Dean Acheson Visits Campus Last Term

Former Secretary of State, Dean Acheson, visited Caltech on March 7 and 8, during which time he was to discuss the situation with President Coolidge and also several other students and staff members. He was also to attend several classes and to meet with various groups of students.

Acheson's visit to Caltech was the result of a trip he made to Europe last year, during which time he was to discuss the situation with President Coolidge and also several other students and staff members. He was also to attend several classes and to meet with various groups of students.

During his visit, Acheson met with a class on foreign policy, and with several groups of students and faculty members. He held a faculty seminar on arms control, and gave a dinner address before the California Institute of Technology.

Coffin discusses Racial Problems

Last Tuesday night in Winnett Center, the Caltech YMCA presented an address entitled "Reflections on the Race Problem." The speaker was William Sloan Coffin, Jr. Besides serving as an assistant professor of English at Yale University, Coffin was one of the twelve ministers arrested last summer in Minnesota while serving as "freedom riders" in the South. He described his experience as a Corps instructor for a Corps group destined for Puerto Rico.

Coffin began his lecture by defining the problem that he felt could be indirectly approached from the ethical viewpoint. Such an attempt must fail when the question of human dignity arises. When approached from the viewpoint of human dignity, the problem becomes a blasphemy against God.

Roots of Prejudice

In searching for the roots of racial prejudice, Coffin stated that there exists at least three major schools of thought. The first maintains that the source of prejudice lies in the structure of society itself, while the second contends that prejudice lies in the inherent nature of man. The roots of prejudice Coffin found to lie in the human behavior of people, which he found to lie in the structure of society itself, while the second contends that prejudice lies in the inherent nature of man.

In his address, Coffin outlined the problems that he felt were most important for the American people to face. He stated that the problem of prejudice was most important for the American people to face. He stated that the problem of prejudice was most important for the American people to face. He stated that the problem of prejudice was most important for the American people to face.

Negro Problems To Be Heard

"America's Emerging Youth," a discussion series dealing in the problems of the American Negro and the education of the Negro, continues with the discussion topic, "How Prejudice Works," on Monday night at 7:30 p.m.

An article containing excerpts from the Anti-Defamation League pamphlet, "The Bigot In Our Midst," is available from the Caltech Y office for advance reading. The discussion series is still open to anyone who wants to participate.

The Avalon Project, service projects in which Caltech students contribute to the education of intelligent but "inadequately" Negro children at the Avalon Community Center in one of the Negro communities, is open to participants. New Caltech students who wish to contribute will be given their first day of work at 9 a.m.

To attend these Dinner Forums, the Caltech Y office will be held at 7:30 p.m. on Thursday, March 10.

Casting for this year's ASCIT Play Try-Outs will begin this Sunday from 2 to 5 p.m. in Dabney Lounge. Casting will also be held at 7:30 Monday night in Dabney Lounge. All those interested in acting or technical should come.

NOTICES

I.E.E.E. TO ORGANIZE CLUB

Any student who is interested in becoming an officer in the Caltech student I.E.E.E. should contact Dr. Langmuir, the club's faculty sponsor, for more details.

MUCH

For those who are interested, with the number of ads in this week's issue, it is still open to anyone who wants to participate.

APPONITE OFFICES

Applications for ASCIT appointments will be held open and will remain open until at least until next Monday night. The offices with insufficient nominees at the time of writing include Student's Day chairman, Pacific Relations Committee, Y.L.C., and the "H" room in Dabney. Submit applications to the "H" room in Dabney.

Casting for this week's ASCIT play, Shaw's "Harlequinade," will begin this Sunday from 2 to 5 p.m. in Dabney Lounge. Casting will also be held at 7:30 Monday night in Dabney Lounge. All those interested in acting or technical should come.

FOUR TALKS ON CONCERT PLANS

Planning a possible concert and discussing the proposal of a trip to Catalina for last weekend were the major topics of interest at last Monday's BOD meeting. In other action, the Board agreed to pay for the first three coffee hours, announced applications for appointive offices, and heard reports of several committees. The Board approved the New Lost City Ramblers concert yesterday.

BOD Talks On Concert Plans

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Two Students Selected For MIT Meetings

Two Caltech students, Don O'Hara and Henry Abarbanel, have been selected as delegates to a four-day MIT Intercollegiate Conference, April 3-6. The conference is being attended by college undergraduates from all over the nation for the purpose of exchange ideas on free speech and other topics. The students will be joined by several other students from Dartmouth College, who will also attend the conference.

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(Continued on page 2)
Letters

Piano Smashers

Dear Student Body:

We are aware of the wonderful reputation of C.I.T. and the reputation of the Tech has given its community. Any endeavor of this nature, however, requires the support of the public.

Any endeavor of this nature, however, requires the support of the public.

Don Green
C. Simpson

Editorial Policy

For the information of its readers, the Tech presents the following summary of its editorial policy:
The first signature following an editorial is that of the author of that editorial. The signature following, if any, indicates approval by the other editor. If editors sign the editorial, that editorial represents the opinion of the California Tech.

In general, column writers have complete freedom as to the content of their columns. No columns will be eliminated from any issue of the paper solely because of the opinions represented in that column. Column writers represent their own opinions only and not necessarily the opinions of the California Tech staff.

The California Tech welcomes all letters, whether or not they agree with editorial opinion. Letters are edited (or left out) solely on the bases of space, decency, and the desire to present letter opinions in proportion to the amount of mail received. As with columns, the opinions stated in letters are not necessarily those of the California Tech.

Joyce Campbell, Wendell Brooks, Willie Mac Harris, Jeece Council, Sally J. Timmel

Editor's note: Editorials are written and signed by members of the Staff.

As an editorialist, you must be aware of the nature of the organization with which you are associated. You must participate in its work, and you must be knowledgeable about its activities. You must be able to express your own opinions clearly and effectively. You must be willing to work hard to produce good copies of the Tech.

This is the first installment of a regular feature that will be published every Monday in the Tech. The purpose of this column is to provide information to the student body concerning topics of current and vital interest to ASCIT.

It is not a forum for personal diatribes. The opinions expressed in the Tech are those of the Tech, and members of the student body are encouraged to submit any essays of their own for discussion by the student body.

This is the last installment of the series on the student body. It is the hope of the Tech that these articles will be used to describe the student body as it is today and to encourage students to participate in the activities of the Tech.

The Tech is the official publication of the Student Body. It is a forum for the expression of the opinions of the student body. It is not an organ of the administration. It is not an organ of the faculty. It is an organ of the student body.

We are concerned about the future of the Tech and the future of the student body. We are concerned about the future of the student body. We are concerned about the future of the student body.

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FANTASIA

At a recent screening of Fantasia, directed by Stokowski and the Philadelphia Orchestra, I found myself impressed by the sheer audacity of Disney's experiment. Fantasia is a daring attempt to fuse music and art, set to the music of Beethoven's Pastoral Symphony. It is a pity that it has never achieved the same critical and commercial success as its more successful counterparts. Fantasia was ahead of its time when it was made, and in my opinion still is.

It is interesting to see just what success Disney has had with the various kinds of music in the film. Most daring, and unfortunately least successful, is his completely non-representational accomplishment to the themes of Goethe and Faust. Here one feels that there is no possibility of coordination between the musical and the visual; each has its own independence. If Lionel Feininger could have been persuaded to draw the several thousand necessary frames it might have been a different matter. With 'mood' music, such as Rite of Spring he is more successful.

- the only thing, I suppose, that will be remembered by stokowski and the Philadelphia Orchestra: Bach's Zoratti and Fugue in D Minor and Beethoven's Pastoral Symphony are included, as well as several familiar light pieces. To those the Disney artists have set a pictorial "accompaniment," with the hope of creating an experience both visual and aural, in keeping with the various kinds of music.

We will reply on request.

-ASCI T Minutes

(Continued from page 1)

minimize ASCIT's possible losses.

If neither of these two offers are accepted, a separate group would like to present a two hour show of "Third City Review" in Culbertson, recording the show for Electra records, a subsidiary of RCA. If the Review will agree to record in Culbertson their offer of $450 for the performance will be accepted. Admission for students and their dates to these affairs will be between $1 and $1.50, and others will pay between $1.50 and $2.00.

Coffee Hours will continue to be held on Thursdays during third term, it is hoped by the ASCIT Board of Directors that the placement of this hour can be made flexible and conform with the work of the week so that all who wish to discuss among members of the Caltech community, will be able to attend.

The switch in days was made to enable many of those faculty and students who could not attend the Wednesday sessions to come to the Thursday Coffee Hours. Although the Coffee Hours will continue to be held on Thursdays during third term, it is hoped by the ASCIT Board of Directors that the placement of this hour can be made flexible and conform with the work of the week so that all who wish to discuss among members of the Caltech community, will be able to attend.

Coffee Hour Today

Today will mark the first in a series of Thursday faculty-student Coffee Hours in the Winnett Center Lounge from 3 to 4 p.m. The Coffee Hours, which had previously been held on Wednesdays, have engendered a great deal of comment on the part of faculty and students alike. ASCIT-sponsored Coffee Hours provide a pleasant and congenial atmosphere for discussion among members of the Caltech community.

By Steve Schwarz

Missed A.F.R.O.T.C.?

These letters stand for Air Force Officer Training School— a three-month course— for those who realize they want to become Air Force officers, but don’t have enough school time left to enroll in AFROTC.

We prefer our officers to start their training directly upon graduation. But right now we’re accepting applications for another fine way to become an Air Force officer—OTS. We can’t guarantee that this program will still be open a year or so from now.

As an Air Force officer, you’ll be a leader on the Aerospace Team in Calterson. By the time you get a flying headstart on the technology of the future. The U.S. Air Force has become the world’s most advanced research and development programs — and you can be part of it.

If you’re within 210 days of graduation, get more information on OTS from the Professor of Air Science.

U.S. Air Force

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Baseball Team Wins Games From Cal Lutheran, Upland

In the third game of the season the Tech baseball team broke a two-year losing streak, beating Cal Lutheran 8-4. John Diebel and Murray Sherman shared the pitching and were backed up by the hitting of Bill Weber, Dave Barker and Gary Dahlman.

The team then stretched their streak to two straight by waxing Upland College 12-7 last Thursday, despite the absence of several starters. Bill Ricks started on the mound and gave up only two runs in four innings, both on errors in the first inning. Joe Bocklage, a double and a triple, Dave Hewitt, and Dahlman were big at the plate.

Last Tuesday's game with Whittier resulted in a 6-2 loss. Team members feel that the outlook is excellent that the team will win quite a few this year, including some league games. The starting line-up—Carlson Johnson behind the plate, Bocklage at first, Dahlman at second, Weber at third, Marty Hartman at short, Barker in left, Les Tomley in center, and Hewitt in right—in stronger than last year at every position, and hitting is better than it has been.

The mound corp (Ricks) has been greatly strengthened by the addition of sophomores Diebel and Sherman. This Saturday CIHW plays in a double-header at 1:00, so come on down and watch a winning team.

Track Team To Enter Relays

The varsity track team meets the other SCIAC schools at Claremont this Saturday in the annual Claremont relays, Techmen varsity and frosh will compete.

The events in the meet will consist of the normal field events and some of the regular running events, such as the 100 yard dash. There will be in addition to these a number of relays. These include the varsity distance medley, the varsity and frosh 440 relay, and the varsity and frosh mile relay.

The tracksters' last meet was held on Tuesday of the last week last term. The meet, held against Biola, was won by Tech with the unbalanced score of 122-18.

Future track meets will be held at home against LaVerne on Saturday, April 21 against UC Riverside on Saturday, April 20; and away, against Whittier, on Saturday, April 27. The conference preliminaries will be at Oxy on Wednesday, May 1, while the Conference finals will be at Oxy on Friday, May 3.

MIT Meetings (Continued from page 1)

Two sessions in each of the three areas; the first is a plenary session of addresses by specialists in that field followed by a panel debate by MIT faculty members, and the second is a more informal discussion session among delegates, speakers and faculty. Caltech's delegates were selected from those who expressed interest by a faculty committee headed by the Dean of Students. In addition to the planned discussion session, the delegates will also have the opportunity to visit Boston landmarks and attend a banquet and dance at MIT.

Assignment: Build the “grease gun” into our cars

We went to the mountain to make 1963 Ford-built cars go 30,000 to 100,000 miles between major chassis lubrications

Quite a task faced Ford Motor Company engineers when they set out to eliminate the traditional trip to the grease rack every 1,000 miles.

Like Mohammed, they went to the mountain—Bartlett Mountain on the Continental Divide in Colorado. More molybdenite is mined there than in the rest of the world combined. And from molybdenite ore comes the amazing “moly” grease that helps extend the chassis lubrication intervals for Ford-built cars. This grease sticks tenaciously to metal, stands up under extreme pressures and resists moisture, pounding and squeezing. It is slicker than slides on ice.

New, improved seals were developed. Bushings, bearings and washers of many materials were investigated. Slippery synthetics, like nylon and teflon, were used a number of new ways.

The search for means to extend chassis lubrication also led to New Orleans—where experimental suspension ball joints tested in taxicabs in regular service went two years without relubrication.

It took time. And ingenuity. But the effort paid off when Ford-built cars were the first to build in chassis lubrication good for 30,000 miles or two years—whatever came first.

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**The Critical Ear**

by rickerman

FM Tuners are one of the most useful additions to any high fidelity system. Indeed, it is often a good idea to invest in a good tuner before laying out the money for turntables, tone arms, preamplifiers, amplifiers, speakers, and the host of affiliated paraphernalia. A pair of headphones do very well for quite a lot of listening and they also block out distractions very nicely.

I will have a report on high fidelity headphones this next week or so, but for now let’s look at kits. FM tuner kits can be built by anyone with a little common sense and ability. With this definition in mind, I shall assume that the average Technician will be able to construct any kit package on the market. Furthermore, to buy prewired kits is a mistake. If you doubt this statement, take a look at the local “little hole-in-the-wall” distributor for the Manufacturers included.

Back to Kits

There are six major kit manufacturers in the field. They are (in order of increasing price)

- Heath Company
- Martin
- Stereo
- Audible
- Denon
- Pioneer

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**THE BELL TELEPHONE COMPANIES SALUTE: NORMAN AZEVEDO**

Norman Azevedo (B.S.C.E., 1960) started with Pacific Telephone as a building designer and coordinator in San Francisco. On this job, Norm was responsible for building projects from original design to final field inspection.

As a staff assistant in the Traffic Department, his next job, Norm made an emergency lighting study that further enhanced his reputation.

Norm was recently assigned work on division of revenues between Pacific Telephone and Independent Telephone Companies. An important step up.

Norm Azevedo and other young engineers like him in Bell Telephone Companies throughout the country help bring the finest communications service in the world to the homes and businesses of a growing America.

**TELEPHONE MAN-OF-THE-MONTH**

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Critical Ear  
(Continued from page 5)  
multiplex), EICO (HF-5R8K, ST-9KX multiplex), Dynaco (FM-1, Kardon (Citation LX with and without multiplex and the award and Fisher FM-l & FM-3 multiplex), Scott (LT-10, LT-110 multiplex), and Lafayette, Allied Radio, and Radio Shack have their own small-order brands but I have had no recent contact with them.  
The battle between the low priced (say) Heathkit, EICO, and Kardon units is as old as the two companies, EICO, however, developed a unit and has not altered it for quite a while. It is a nice looking, clean cut set with a tuning unit not found on the others. The Heathkit, on the other hand, has a rather limited, barely acceptable tuning which may or may not be a drawback. Heathkit, on the other hand, has a rather overdone (I hesitate to say gaudy) cabinet and the flywheel. Both sets perform about the same - weak signals miss up very easily, bandwidth is fairly good but I would think twice about multiplex with these lowest priced sets, distortion is quite low, strong signal separation (KCMU-KDIO-KNOB region) is poor, and any pre-alignment is done only with a straight edge. My own preference here favors the EICO - barely.  
The Heathkit AJ-12 unit is no more than the above unit (AJ-11) with a multiplex adaptor. EICO produced a more expensive adaptor resulting in a more expensive multiplex tuner. The end result is limited, however, by the tuners themselves. The adaptors, by the way, are not too bad.  
Dynaco fills the gap between the "elite" units and the low cost sets with its very sharp FM-1 tuner. This kit has some very fine features such as no dial cords (Scott style "plane- tary") dial, a good tuning indicator, very fine sound with low distortion and excellent station separation capability. Alignment is not a problem even though the tuning indicator can be used for minor adjustments. The multiplex adaptor (FM-3) fits inside the FM-1 and automatically gives you second channel output when you tune into a multiplexing station. On general FM you get two identical outputs from the two channels. The adaptor is very good and a very good FM-3 I recommend the FM-1/FM-3 combination.  
(Continued next week)  

Audience  
(Continued from page 5)  
the listener's imagination has to animate. At any rate, Disney seems to supply pictures for Dukas' music that are much better than any that my imagination ever came up with. After seeing Fantasia I defy anyone to hear the music and not think of Mickey Mouse thrusting away at those internal brooms.  

Schwarz's Spels  
In passing, I think it is interesting to consider the possible new directions suggested by this experimental film. Here is one, which I offer to the many producers in my readership free of charge. In view of Disney's success with filling the imagination gap in story-type music, why not take some of the more interesting descriptive selections - ones that we've always wanted to picture and never quite could - and portray them using ac-

tors that are live, but act in pantomime so as not to mess up the music. You could have various kinds of pieces for various emotional moods for paths we could watch The Death of Aesop for humor Mozart's Musical Joke for horror perhaps Kurt Weill's song To a Drowned Maiden; you can go on and fill in a list from your own favorites. Or you can see whether Fantasia doesn't suggest some other new approaches for movie-making to you — probably it will.  

Coming Attractions  
Here's another daring experiment for you, this time over at PCC. The Geckes group of that venerable institution is doing a modern dance adaptation of Arthur Miller's The Crucible, at 8:30 p.m., April 3 and 4. Offhand it sounds kind of far-out, but if it doesn't appeal to your artistic longings the girls' costumes may at least appeal to your nether side.  

Junior Year in New York  
An unusual one-year college program  
Write for brochure N-2  
Senior Year Program - State Teachers College  
New York University  
New York 3, N.Y.  

How do we thank such a man as this?  
The railroad hat is deceptive. Bill Schupbach is a lifetime Standard Oiler, retired. His grandfather, father and uncle were Standard Oilers before him.  
Before retiring, Bill was a refinery foreman. His company retirement plan gives him security, and he enjoys the work of railroad service, but his big enthusiasm is still Standard Oil Company.  
Bill keeps close to us, and we to him. He is invited to our picnics and parties, receives our publications, and is still one of the "Boys" at the refinery. He knows that he belongs.  
It isn't the spoken thanks that do it; but your lasting interest in a man, your counting him as a person and not a statistic, these are the things that liven his spirit.  
We have thousands of such fine men and women on our retirement payroll. If you know some of them, you that they, too, are ardent Standard Oilers.  

Planning ahead to serve you better  
STANDARD OIL COMPANY OF CALIFORNIA