ASCIT Drive next week; four charities to benefit

The ASCIT Consolidated Charities Drive will be held on the Caltech campus next week from February 13 to 17. This will be the only chance, excepting the YMCA drive, for undergraduates and graduates to contribute to charities. General chairman for the drive will be Howard Berg, ASCIT vice president.

Four student houses will vie in song contest next Monday

The annual Interhouse Sing, in which four student houses will vie for singing honors, will be held next Monday evening at 7:45 p.m. in the Scott Brown Gymnasium. The houses will be judged on their rendition of the contest song, "Oh Rock-o-Myst Moi." In addition, each house will sing a song of its own choice, and all the houses will perform an intercollegiate Alma Mater.

The special song chosen by Dabney House is George Gershwin's "Summertime" from the musical "Porgy and Bess." Blacker has chosen the "Marching Song" from Roy Wilson's "Student Prince." "Cool Water," with words and music by Bob Nolan and arranged by Roy Wilson, has been picked by Fleming House. Ricketts' number is "The Holy City," with words by F. R. Weatherly, music by Stephen Adams and arranged by Roy Hingway.

In each house a director has been chosen to coordinate efforts for the sing. Blacker is led by Bill Dietrich, Dabney by Alan Forsythe, Fleming by Louis MacAnally and Ricketts by Lyman Fretwell.

The contest will be judged by Dr. Frank Cormia, professor of history, Dr. R. T. Adams, professor of music, and Mr. Howard S. Fleury, manager of the Big T as this paper went to press on Wednesday. Dr. Fleury will lecture in the Student Union (to say nothing of all theASCIT elections are held. Those elected will take their office of ASCIT president at this morning's nomination assembly in Culbertson Hall. Rube Moulton was nominated for vice-president, Doug carbon, Mike Throop Club. Russ Pitzer, vice-president, and Throop Club, are nominees for first representative. The office of athletic director must be filled by the Caltech Tech Tuesday. Stan Baker was nominated for Big T editor.

Foster Hewett will lecture in Bridge tonight

Dr. Foster Hewett will give "Cromwell in America" on February 23 at 7:30 p.m. in room 201 Bridge. Dr. Hewett, a research associate in geology at Caltech from 1947 to 1952, is the author of the U.S. Geological Survey and during the war years was in charge of the Survey's strategic minerals section. He has been instrumental in the development of the world's greatest concentration of rare earths at Mountain Pass, California, and is noted for his study of natural resources of the Mojave desert.

"There is a great disparity between village and city life. Many of these families are of an intensely competitive nature. Each family works its own small plot of land and cares for their own oxen and horses and works together, striving to outproduce its fellow families." - Richard D. Robinson

AFROTIC will stay on Caltech campus

The Air Force ROTC unit will be continued at Caltech. The Secretary of the Air Force has decided not to disestablish ROTC units at all schools which desire to keep them, and the Tech board of trustees decided at a meeting Monday night that Caltech wishes to remain in the AFROTIC program.

Four student houses will vie for singing honors, will be held next Monday evening at 7:45 p.m. in the Scott Brown Gymnasium. The houses will be judged on their rendition of the contest song, "Oh Rock-o-Myst Moi." In addition, each house will sing a song of its own choice, and all the houses will perform an intercollegiate Alma Mater.

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Election Rules

Rules for the forthcoming election campaign, drawn up in the last ASCIT Board of Directors’ meeting, generally follow the tradition of several years. The limit for each candidate’s expenses is to be $10. The number of posters will be limited to five for presidential candidates, and reduced to four for the representatives. As in the past, posters will be limited to the area between Throop Hall and Throop Club. Each candidate will speak in the student houses during meals of the week of elections.

Darkroom Club

Now that the student house darkroom has been renovated, a Darkroom Club, recently organized, has been officially recognized as the governing body. The club is open to all undergraduates for the price of a key deposit and, for those not working on ASCIT publications, a $3 annual fee.

Marty Tangora has resigned his position on the editorial board of Farrago due to pressures from other activities. Thus Lyman Petretti and Russ Hunter will manage the magazine this term as co-editors.

Interhouse Dance and Football

Last week the ASCIT Board was asked to represent student opinion on the question of scheduling a football game on the day of the Interhouse Dance next year. The Athletic Department is considering breaking tradition by lining up Cal Baptist for a game that Saturday afternoon, the week of mid-term exams, when the dance usually takes place. As many men are needed in decorating that afternoon, the Board objected to a regularly scheduled game with organized ASCIT support. However, the athletic department’s suggestion for a practice game in Tournament Park, with no admission charge and no ticket stub on the student body card was considered satisfactory. Mr. Musselman has indicated that this arrangement could be used.

Budget Problems

As usual a number of requests for ASCIT funds have come up this year after the budget was set. Although a $600 contingency fund is set aside each year to provide for these additions, much of this must be left intact at least through the first two terms in event that an emergency arises to turn the black ink red.

The Board is currently debating whether ASCIT funds should be used to send the next president to the Pacific Student Presidents’ Association in Vancouver this spring. The contingency fund, from which this money would come, has already been reduced by several disbursements above the budget. The debate was granted an additional $100 to help provide funds for the regional tournament at Seattle. The social budget was exceeded in providing for a better-than-usual band for the Christmas Dance, in sponsoring a Homecoming Dance and a Scripps Hop House, totaling $180, the Model United Nations delegation will be granted $50 to $100 above the original budget of $50; and other unexpected costs come to $10. On the other side, increased enrollment resulted in an additional $200 from student body dues, the Little T ad sales netted slightly more than $100 for the ASCIT, and the athletic banquet was run for $50 less than the budget. No further adjustment will arise as the year progresses.

Thus, the problem of sending a delegate to the PSPA convention, a desirable public relations measure, has been considerably complicated. Whether the new president will go to Vancouver will not be decided, therefore, until sufficient funds are definitely assured.

—Tom Bergeman

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BENDIX AVIATION CORPORATION
EXECUTIVE OFFICES
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Would Like to Meet Seniors and Graduates in Engineering, Physics and Mathematics
Campus Brewins

February 9, 1956

To Caltech but quite widespread. Anyone who can explain like.

Waterfront Developments.

nowhere at night!

TECH Page Three

Pendulum everybody

appointments-eonsult your

close,

bequeathed
degree.

short

for five years.

M.S. or Ph.D.

was a custom which would

of friends who

Energy

have been appearing

since

don't know; nothing

saw some of

or

short, written

young damsel.

in work, and miscellaneous infor-

rewins

interview

Engineers, M.S'

package, select your

Thursday, February 9, 1956

March 13 and 14

Morning and Afternoon

Mr. Townsend will interview Graduating Seniors (M.S.

and B.S. degrees) in CIVIL, CHEMICAL, ELECTRICAL

and MECHANICAL Engineering.


Campus Brewins

House has increased tre-

ously.

us because the beer has got-

his probiotics into things.

Last Sunday Bob Norton de-

de of the accepted custom

of throwing one in the showers

on the anniversary of one's

birth was a custom which would

go down the tubes in his case.

From sunup to sundown, just

like Sadie Hawkins Day-he

was nowhere to be seen—no-

where that is unless you hap-

pened to visit the home of a

certain "enticing young thing"

who even backed him a cake. "It

looked good until I sat on it on

the way home".

Nin & Kelly

Old "Hooks" Converse has

dreamy dreamy looks in his

eyes again. No, it isn't midgets,

and it isn't basketball; it's Sin—

that's her name now—who is

spending a few days at home

between finals. When he went

up for his favorite shot on his

Big T picture, we heard "This

one's for sin."

Bones for Bowser

Ed Krebbel and Clint Frasier

have been given the Most Holy

Order of the Bone. Ed, it seems,

spent the evening in Hackett's

dark dining room playing hide

and seek with his date. We don't

know how intimate the situa-

tion became but we hear that

Ed has developed some new

twists for the game.

Just what Clint did we are

not sure. We do know that he

sent a certain senior, who spe-

ted to the drug store to make

a four bit purchase. Was your

purchase in vain, Clint?

Klax Can

Klax. Good, Gordee has done it

again. When last seen he was

wandering around various parts

of the courtyard clad only in a

white hood. (Somebody should

case this boy in.) This time he

had an escort of friends who

tied his hands behind him and

led him around. They also

threatened him with an opera-
tion on his lower abdominal re-

ion. Still got one, Gordee?

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February 13 and 14

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Physicists, Ph.D.

Chemical Engineers, M.S.

Ph.D.

Mechanical Engineers, M.S.

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search and Technical Department for chemists, physicists, and chemical and mechanical engineers.

On February 15 and 16, 1956, Dr. R. E. Conary of our Laboratories at Beacon, New York, will visit the office of your Director of Placements to talk to chemists, physi-

cists, and engineers about building their future with TEXACO.

Be sure you see Dr. Conary and learn of the many challenging opportunities for you in this organization.

The World and Tangora

by Horace Tangora

Our campus magazine, Farrago, suffers from one of the strang-

est paradoxes of American college life—111,111 which is not

peculiar to Caltech but quite widespread. Anyone who can explain

to me is welcome to do so.

A year ago we had two maga-

zines here—Pendulum, which was more or less a serious liter-

ary effort, and the purely hu-

mor magazine which bequested

its name to the present mag. (The merger took place last fall.)

Well, while this was the case, the literary magazine was con-

stantly under threat of extinc-

tion—nobody would buy it. On

the other hand, the humor mag-

azine was very much in demand;

nobody would buy it. On

the anniversary of one's

birth, everybody wants to read it; everybody wants to write

serious literature, but nobody wants to read it.

The same short, short,

written by four different guys, ran four

times in the fall Farrago. And

the same poems were run all-

as, have been appearing in

Pendulum for five years.

When is someone going to

write good poetry and good short

stories that show a little-origin-

ality?

And—more urgent—when is

someone going to write some-

thing funny?

Exchange planned by Newman Club

The Newman Club will hold an exchange with the Kappa

Gamma Delta Sorority at Im-

maculata Heart College Febra-

uary 17. All those planning to at-

tend contact Bernie Lopez.

Chiefs of Staff

Hitler, Stalin, and Mao

are coming to Caltech to

join the student body.

They have been given the

Most Holy Order of the Bone.

Someone was sent to the

drug store to make a four bit

purchase. Was your purchase

in vain, Chin.

The Texas Co.

Metro, Metallurgical Plants,

and Constructors

Mr. Townsend will interview Graduating Seniors (M.S.

and B.S. degrees) in CIVIL, CHEMICAL, ELECTRICAL

and MECHANICAL Engineering.

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Metallurgical Plants, Dams, Waterfront Developments.

Boeing has many positions open for graduating and graduate students.

These opportunities are in all branches of Engineering (AE, CE, EE, ME

and related fields). Also needed are Physicists and Mathematicians with

advanced degrees.

Fields of activity include Design, Research and Production. Your choice

of locations: Seattle, Washington or Wichita, Kansas.

Personal interviews will cover the details of openings, the nature of assignments, Company projects currently in work, and miscellaneous infor-

mation about the Company.

Come and learn about the excellent opportunities with an outstanding

Engineering organization—designers and builders of the B-47 and B-52

Multi-Jet Bombers; America's first Jet Transport, the 707; and the Bomarc IM-99 Flutterless Aircraft.

For personal interview appointments—consult your
The Los Angeles Philharmonic Orchestra's concert last Thursday in Philharmonic Auditorium was one of the most satisfying that the orchestra has given under Mr. Wallenstein's direction. Rudolf Serkin, the evening's soloist, contributed enthusiastic performances of his two selections.

The opening work on the program was the first American performance of "Puritani," Four Epitaphs for Orchestra" by the Swiss composer Gottfried von Einem. The work was masterfully executed in the true modern idiom. It was at times punctuated with blasts from the solo timpani and at other times subdivided into delicate pianissimo passages. The orchestra and Mr. Wallenstein deserve a great deal of credit for their endeavor, although it did not make a last impression.

Second on the program was Mozart's C major Piano Concerto, K. 467. The orchestra provided solid support for Mr. Serkin in this number and his seemingly effortless technique conveyed a pleasing performance. The acoustics of the hall tended to mute the brilliance of the strings.

The major accomplishment of the evening was the orchestra's powerful exposition of Richard Strauss' "Death and Transfiguration." This very complex work was played brilliantly by the orchestra. They were coordinated and precise from the soft opening passages in the woodwinds to the thunderous climaxes in the brass. First trombone player, Robert Marsteller, and his solid tone lent the lower brasses in a forceful display the rich qualities of their instruments. Mr. Serkin closed the program with a performance of Strauss' "Burlesque" for Piano and Orchestra. It was evident why this work is so seldom heard. Mr. Serkin threw himself boldly into this number and displayed an elegant nature which was not a little reminiscent of a soaring TV star. Such a demonstration did not increase my respect for Mr. Serkin. This week within STEINBERG, conductor of the Pittsburgh Symphony Orchestra, is guest conductor of the Philharmonic. See audience for the program.

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**MATCHLESS—that's the word for Lucky Strike! Want better taste in a cigarette? Light up a Lucky! Luckies taste better because they're made of fine tobacco that's the word for that Droodle, too; it's titled: Very short candle as seen by Lucky smoker about to light up. Teach a flame to a Lucky yourself. You'll call it the most glorious cigarette you ever smoked!**

**WHAT'S THIS?**

For solution see paragraph below.

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Carrie Kaufmann
Boston U.

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Cut yourself in on the Lucky Droodle gold mine. We pay $5.00 for every drop you sell—for a whole raft we don't need! Send your Droodles with descriptive titles, incude your name, address, and phone number and address of the dealer in your college town who buys our cigarettes several times a week. Address Lucky Droodle, Box 61A, Mount Vernon, N. Y.

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**Prado**

Last Saturday this writer and two of his associates had the pleasure of paying Peres Prado and his orchestra at the Pasa- dena Civic Auditorium. Mr. Prado's orchestra featured the typical mambo combination of four trumpets, one trombone, four saxes and a rhythm section consisting of bass, drums, and a congo drummer. At times Mr. Prado joined the rhythm section to interject both vocally and instrumentally.

The closing number was an unknown composition featuring a simple unison sax melody with a vocally harmony that was complete by a trombone fill-in. The bone man provided some fine soloing in his part, to say the least, with a gutty tone, which was quite a refreshing change from the sub- mune melodies of the LA Philharmonic. Unfortunately, as many brass man will tell you, the customary playing of loud pedal tones is valued by many because of their potential to the thunderous climaxes in the brass.

The climax was reached in the orchestra's conception of the French bal with "Cherry Pink and Apple Blossom White." Prado's fourth trumpet man played with the aggressiveness that has made Prado's recording of this number a best-seller.

The evening's performance was marred only by the rude Pasadena audience's insistence in ejaculating "uuh" at seemingly appropriate opportunities.

**CFT Band**

Earlier in the evening this re- viewer caught the performance of the Caltech Band at the Red- lands basketball game. The re- lentless playing of Bruce Blackie on bass drum forced the band to conform to an unflagging meter. During the half-time ac- tivities Larry Gehrke was heard to dubious advantage on the bass horn. The mellow tones of the Harpophone of which the only existing specimen west of the Mississippi is the coveted possession of our own Jon Har- ford) were heard in frequent solos throughout the game.

All the numbers were played in a festive manner under the direction of the bands' associate conductor Bob (Hot Lips) John-
Sanitary Engineering does important service at Tech

by J. E. McKee

One phase of engineering which assumes great importance today, but which is not very well known, is the field of Sanitary Engineering. At Caltech the Sanitary Engineering section is a "one man department." It is a section of the Civil Engineering department, and consists of just one faculty member, Dr. J. E. McKee. Dr. McKee is a graduate of Carnegie Tech with a Doctor's degree from Harvard. During the war he served as a Lieutenant Colonel in the Engineers Corps, after which he held a partnership in a Boston consulting firm until he came to Caltech in 1949.

The field of Sanitary Engineering covers a wide range of subjects. Some of the principal problems a sanitary engineer deals with are: water supply and treatment, sewerage and storm drainage, sewer treatment, refuse and garbage disposal, and water pollution. Also included in the field are the engineering control of insects and vermin, and the problem of air pollution.

Although Sanitary Engineering is traditionally classed under Civil Engineering, it is closely related to many other fields. "Sanitary Engineering draws heavily on most of the sciences," emphasized Dr. McKee. Chemistry and biology are particularly important in the field, because it deals a great deal with the chemical aspects of pollution and with problems concerning bacterial pollution. As an example of the diversity of the sciences employed, a current research project on the detection of sewage has involved research on the chemistry of halogens, ultraviolet radiation, and the effects of heat. All experiments are done in the section's lab in the west end of T2.

The Sanitary Engineering section has the responsibility for checking the purity of the water in the Caltech swimming pool. Each week a bacteriological check is made on the water by Duncan MacDuffie, a senior chemist who works for the section. These tests show a very high purity for the pool water," stated Dr. McKee. "Our water is better than the Public Health Service requires for drinking water." Dr. McKee attributed this purity to the extraordinary cleanliness of Caltech students.

The Sanitary Engineering section offers just one course at the undergraduate level, Introduction to Sanitary Engineering, which all Civil Engineers take. There are at present four students doing graduate work in this section.

Most civil engineers don't consider going into sanitary engineering until they start investigating jobs, said Dr. McKee. They then find that sanitary engineering offers better salaries, and this attracts them into the field. About forty percent of the civil engineers graduating recently from Caltech have gone into sanitary engineering work.

Dr. McKee emphasized the opportunities in sanitary engineering. In Los Angeles in the last two years 140 million dollars has been voted for flood control and storm drainage and water supplies. "This creates many well paying jobs for sanitary engineers," said Dr. McKee.

Sanitary Engineering assumes great importance today, although it has been traditionally classed under Civil Engineering, it deals with a wide range of subjects including water supply and treatment, sewerage and storm drainage, sewer treatment, refuse and garbage disposal, and water pollution. Sanitary Engineering is closely related to many other fields, such as chemistry and biology. Dr. J. E. McKee, a faculty member at Caltech, emphasized the importance of sanitary engineering and the opportunities it offers. The section offers just one course at the undergraduate level, Introduction to Sanitary Engineering, which all Civil Engineers take. There are four students doing graduate work in this section.

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Interview Schedule

Thurs. 9—BS/ACh, ME, EE, Ph, MS/Ph, ChE, PhD/ChE

California—Southern Chemical Corporation.

Thurs. 9, Fri. 10—BS, MS, PhD/EE, ME, Ph, Ch, Ma Bell Laboratories.

Thurs. 9, Fri. 10—BS/ME, EE, Pacific Telephone & Telegraph.

Thurs. 9, Fri. 9—BS, MS, PhD/EE, ME, EE, Ph, Ma Sandia Corporation. Summer job possibilities for Jrs., Srs., and Grad students/Me, EE, Ph, Grad Students/Ma.

Thurs. 9, Fri. 10—BS, MS/AcE, EE, ME Hughes Tool Company, Aircraft Division. Opportunity for work to practice virtually every specialty within the aircraft industry—Research, Design, Development.

Mon. 13—BS, ME/ME, Sogb, Jt/ME for Summer. Portos Pumps, Los Angeles, Calif.

Mon. 13—BS, MS/Ph, EE, MS, University of California Engineering Center.

Mon. 13—BS/ACh, CE, EE, MS United States Gypsum Co., Pister City, Calif.

Mon. 13—BS, MS, EE, ME, ACh, Bechtel Corporation.

Mon. 13—Tues. 14—BS/ME, CE, EE, MS/Ph, Googhe, BS, MS, PhD/ChE Tide Water Associated Oil Company. Sogb, Jr./Jr.

ME, Gr, Jt/AC, CE, Ch, for Summer employment primarily at Avon Refinery.

Tues. 14—BS, MS, BS/ChE, ME, Carbide & Carbon Chemicals Company.

Tues. 14—BS, MS, PhD/AA, MS, PhD, EE, CE, MS, PhD/MA, Ph, Convair-San Diego.

Wed. 15—BS, MS, PhD/ChE, CE, Ph/PP, MS, ME, The Texas Company—Beacon Laboratory Division.

Wed. 15—BS/BS, RS, ChE, AMERICAN PETROCHEMICAL CORPORATION.

Wed. 15, Thurs. 16, Fr. 17—BS, MS, PhD/EE, ME, Hewlett-Packard Company, Palo Alto, Calif.

Wed. 15, Thurs. 16—BS, MS, PhD/MA, EE, CE, MS, PhD/MA, Ph, Lockheed Aircraft Corporation—California Division.

Wed. 15, Thurs. 16—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, Titanium Metals Corporation of America, Henson, Calif.

Thurs. 16, Fri. 17—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, Titanium Metals Corporation of America, Henson, Calif.

Thurs. 16—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, Titanium Metals Corporation of America, Henson, Calif.

Thurs. 16—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, Titanium Metals Corporation of America, Henson, Calif.

Thurs. 16—BS, MS, PhD/ChE, Ch, Rio/ME, EE, CE, McAlester Corporation.

Thurs. 16—BS, MS, Ph, EE, Ph, McAlester Corporation—Missile Systems Div.

Thurs. 16—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, McAlester Corporation—Missile Systems Div.

Thurs. 16—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, McAlester Corporation—Missile Systems Div.

Thurs. 16, Fri. 17—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, McAlester Corporation—Missile Systems Div.

Thurs. 16, Fri. 17—BS, MS, PhD/ChE, Ch, RB/ME, EE, CE, McAlester Corporation—Missile Systems Div.

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Convair Engineers will interview on your campus

FEBRUARY 14

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Occidental wins Caltech Regatta

Occidental handed the two-day Los Angeles Yacht Club Invitational Regatta last weekend.

Oxy's 63 points easily took first place over Santa Barbara, UCLA, Caltech, and Pomona, who followed in that order. Twelve races were held on Saturday and Sunday. One point was awarded to each starting team and one to each finisheer. In addition, each team scored a point for each easy defeat. Occidental had previously won the Pacific Coast Championships.

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New home to a San Diego's

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Convair schedule for graduate students

The Sports Corner

by Dick Van Kirk

There's an old story which tells of a basketball player who was so superstitious that he wouldn't change his socks if team he was playing against had played in the same gym the night before. I heartily agree with you that this is a silly routine that does nothing for your game. In fact I heartily agree with you that this is a silly routine that does nothing for your game.

One person, however, who doesn't believe in superstition, is Sonny Nelson. In fact Sonny says that it's not right to predict the future. In fact Sonny says that it's not right to predict the future.

For those of you that didn't read the fine print in Sunday's newspaper, Convair is looking for new, long-range aircraft and missile programs.

You will find the Convair Engineering Department a genuine engineering department—imaginative, energetic, explorative.
**Nazarenes drop Beavers in second half point spree**

by Dick Van Kirk

Pasadena College (Nazarene) took advantage of an extremely cold Caltech basketball team to overcome an early lead, 21-19, and pull away to the finish to win the game, 53-42, Tuesday afternoon at the Scott Brown gymnasium. The game also cost the Beavers the services of forward Sonny Nelson for the rest of the season, as a first half tumble re-injured his weak right knee, forcing him to leave the game.

Coach Carl Shy’s Beavers started the game as if they meant to make a runaway of the contest, building a 21-5 first quarter lead, mostly on the strength of Phil Conley’s 14 points in the first, recent part of the game. In the first half the Techmen held the Beavers off the floor at one time far, as far, 52-1, in Varsity fouls. Conley’s lead.

First patented CHEMICAL second student body athletic-expected the first practical, scored the Redlands sank to hold it, their point margin. Placed for a starting berth.

Offense, the Beavers against the Bulldogs piled up 21 lead, however, as he is a two & is letterman in football and half the Techmen the lead. Beavers.

While the Bulldogs and winning the first period. At one stage in the game as if they meant to make a runaway of the contest, building a 21-5 first quarter lead, mostly on the strength of Phil Conley’s 14 points in the first, recent part of the game. In the first half the Techmen held the Beavers off the floor at one time far, as far, 52-1, in Varsity fouls. Conley’s lead.

The Beavers left the floor at halftime enjoying a 30-1 lead.

The second half was an entirely disappointing one for the Beavers, as the Nazarenes steadily cut down the Caltech lead, while holding the Beavers to only 12 points, on three field goals and six free throws, in the half. Crusader center Jim Bond put Paz Naz ahead for the first time with two minutes left in the game, and the Crusaders pulled away steadily to the end of the game.

Conley was the game’s high scorer with 25 points, while Bond scored 14 for PC (X).

**Redlands drops Tech hoosters**

Coach Carl Shy’s varsity hoosters took on early lead Saturday against the Redlands Bulldogs but failed to hold it dropping a 21-52 deficit in the opening game of the second round of conference play.

The win boosted the Bulldogs championship hopes, giving them a 4-1 record, while the Beavers sunk lower in the conference cellar, posting an 0-5 slate.

Caltech began the game at a rapid pace, scoring 36 points before Redlands sunk its first basket, displaying a dominating offensive in the opening game of the second round of conference play.

In the second quarter, however, the Techmen ran into one of their patented cold streaks, and scored only four points, while the Bulldogs piled up 21 points for a 40-29 halftime lead.

The second half was a thrilling one as far as scoring, with the Beavers trying furiously to catch up. At one point Tech led within seven points of Redlands, but repeated fouls helped the Bulldogs to restore their 13-point margin.

While Carreker and Sonny Nelson led the Tech scorers, with 16 and 14 points respectively, while Jim Welsh contributed eight points and a fine floor game. J. R. Perkins paced Redlands with 18 points, followed by Al Endeman with 10.

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AUFs rep Robinson tells about current problems in Turkey

(Reduced from page 3)

Robinson said that among the traditions of the people are yielding to new materialistic ideas that the increasing mechanization of agriculture is giving the Turks a new faith in the future, with new problems. Village youths must have some military training. When these youths return to their villages with new fundamental mechanical concepts and tell the villagers, sometimes loudly and boisterously, how this or that job may be done more efficiently, they frequently arouse resentment.

Sharp disagreement often results, sometimes causing young men to break off from their clan and family. But though there is some adverse reaction to it, mechanization and materialism are in Turkey to stay. Nine years ago there were two train tractors in Turkey; now there are 4,000.

"The villagers are becoming more and more independent. Friction between the village and the national government is increasing," said Mr. Robinson. Unfortunately, he concluded, no obvious solution appears to be in sight.

Humanities class offered to sophs

A third term course in human relations will be open to the first 40 sophomore engineers to sign up. Only sophomore engineers can take the course. Those interested must sign up in Dr. Wolfe's office before pre-registration.

The course, HY, is an introduction to the principles of human relations with the emphasis on the development of groups. Psychological and emotional factors influencing group behavior, group leadership and group cooperation will also be explored.

Dr. Charles Ferguson and Dr. Evely Hooker, both of UCLA, will teach the course.

Weekend social program features Valentine Dances

All the houses are getting into the act on this week's social schedule. Forthcoming activities include three Valentine Dances, an informal party, and a weekend in the mountains. In addition, there will be an open house at Fleming after the Whittier game on Friday.

The three Valentine Dances will be held Saturday in Dalney, Ricketts, and Fleming lounges from nine to one. Swedlow of Ricketts has engaged the "Stardusts," promising an elegant affair. Tony Torillo will play for Dalney.

The Blacker lounge this Saturday is to be the scene of an informal party in the "Doc" Eagleson manne, featuring dancing, "games," and refreshments. Throop has an exchange with SC on Thursday and will round out the weekend, "a la snowdrift," with three days at Snow Valley. The men and their dates will stay at the Caltech Ski Hut, properly chaperoned by Coach Huttenback.

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Seniors in Engineering Mathematics Physics

The California Division of Lockheed Aircraft Corporation announces its New Master's Degree Work-Study Program

The program enables you to attain a Master's Degree while gaining important practical experience on the engineering staff of Lockheed Aircraft Corporation.

The program in outline:
You carry at least six units per semester at the University of California at Los Angeles, University of Southern California or other approved universities.
You work three days per week on Lockheed engineering or scientific assignments.
You are paid 3/5 of a full-time salary during the school year. (Salary and work on a full-time basis during school summer vacations.)
Eligible are U.S. citizens who are graduating with a B.S. degree in Aeronautical Engineering, Mechanical Engineering, Electrical Engineering (Communications or Power), Mathematics or Physics and members of the Armed Services who possess appropriate degrees who are being discharged.
Tuition, fees and books for a maximum total of 36 units of full-time study are paid by Lockheed.
Travel and moving allowances are provided those residing outside the Southern California area.

Additional information may be obtained from your Placement Officer or Dean of the Engineering School or by writing E. W. Des Lauriers, Employment Manager and Chairman of the Master's Degree Work-Study Program.

Lockheed California Division staff members will visit this campus soon and will be happy to discuss your role in the program with you. Your Placement Officer can arrange an interview.

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Lockheed Aircraft Corporation
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_FAILED!!
She: Do you always think of me when you're away, darling? He: Yes, sweet, I always bare you in mind.

EGAD!!