Beavers Edge Pomona

First SCC Victory In Five Years

By Bob Koh

A determined Beaver quintet battled back from a five-point deficit to hand Pomona a narrow 52-49 cage setback Saturday night on the Caltech court to annex its first SCIAC triumph in five years.

The overpowered Beavers, after gripping the initial victory of the long campaign, carried Coach Gene Bock off the floor amid the cheers of an enthusiastic and highly partisan home crowd. This win was the first conference victory since the Caltech championship team of 1964 swept to the loop crown.

An all-around team effort, plus the inspired half-hawking of Guards Mel Holland and Dave Flahmoke sparked a 10-point last-ditch rally.

The scoreboard reading 47-42 for Pomona, the host Beavers seared the cords for 10 points while limiting the taller visitors to a pair of free throws.

Leading scorer John Stone and forward Len Maley were inserted in the game at this point amid the cheers and they pumped them a brief respite. Melody promptly netted a shot under the basket to up the score to 47-44, and the victors were off and running.

Flahmoke hit a short driving shot and lanky center Bill McClure converted a charity toss to deadlock the score at 47-47 with about three minutes remaining.

Holland, a defensive standout all evening, swished a one-hand set to shove the Beavers ahead permanently. Stene, who contributed 17 points to the Caltech cause, came back for a long ball and then retired via the foul route with 1:39 left in the game. (Continued on page 9)

Russian Scientists Peruse Tech Campus

Five Russian scientist-educators met face-to-face with crowds of Caltech students last week in an hour-long session that climaxized the Russians' visit to the Tech campus.

The touring group had little to say that was startling or unexpected about Caltech versus Russian education, but they managed to leave behind a larger store of anecdotes than any visitor of recent years.

The Russian delegation, headed by Dr. Fred Lindvall, a chemist, hosted the Russians during their campus stay. He invited Russia last fall with a similar group of American educators in an exchange that was arranged jointly by the State Department and the Scrosimost (State Science Institute). Among the many questions the Russian delegates probed at their hour-long visit was how Caltech and Pomona were directed to a California Tech staff member during the afternoon tour through Aeronautics and Hydro labs. The Tech staff. (Continued on page 10)
THE UNIVERSITY OF CHICAGO
Invites
GRADUATE STUDENTS
in
MATHEMATICS, PHYSICS, AND ENGINEERING
to
On Campus Interviews
FEBRUARY 18

The University’s Institute for Air Weapons Research has challenging positions in the study and analysis of weapons systems. The studies integrate operational, technical, and scientific knowledge to obtain a mathematical model valid for quantitative appraisal of the systems’ effectiveness. The opportunities are an assignment from the Air Research and Development Command, United States Air Force.

The opportunities for professional advancement and formal and informal education are excellent.

SEE THE PLACEMENT SERVICE
FOR YOUR INTERVIEW
A Campus-to-Career Case History

By Joel Amin

David Schuster is a grad student in psychology who doubles as a professor every Wednesday night when he teaches, the weekly music seminar in Dabney Hall Lounge. This week he has lent his musical talents as a guest to 'Amiin and The Arts.'

"Last Thursday night, Josef Krips conducted the Los Angeles Philharmonic in the second and last of his programs with the orchestra this season. The selections were from Suite from Igor Stravinsky's 'Firebird,' Walter A. Love's Viola Concerto and Gustav Mahler's Symphony No. 1 in D Major.

"The playing of the orchestra in the 'Firebird' Suite was typical of the soury state the group has reached these days as a result of too many guest conductors and no permanent conductor to mould the various instruments into a homogeneous ensemble. The entrances were downright ragged, there were many wrong notes and one sensed that the group had little personal involvement in the music at hand. This was not helped by an interpretation in the 'Firebird' that was very stiff, straightforward and uninspiring. The mysterious opening section emerged very unmissably, while the tempo toward the end was so slow as to drag unmercifully. (The strange sounds emerging from the brass didn't help matters any.) This music is decidedly not Mr. Krips' cup of tea.

Viola Concerto Well Played

"The novelty of the evening was the Piston Viola Concerto, played beautifully by the Philharmonic's first violist, Sanford Schonbuch. This work has recently won the Pulitzer Prize for the outstanding orchestral composition heard in New York in 1958. There is certainly nothing objectionably interesting or inspiring in it to warrant rushing to hear another performance of the score. The second movement is very lyrical and the impact can be written for it. (As a foil to the solo violin its texture is quite well, but where the spotlight it just does not make the grade.) Piston has done a workmanlike job, but the most of the music is the New England and the orchestra does not leave a lasting impression or carry a desire for a re-hearing.

"The Mahler First requires a huge orchestra which, on the whole, did a very fine and occasional orchestral job of playing a very difficult and involved score. While it is a youthful symphony, the orchestral technique here is never faulty and he managed to supply an imaginative framework. The more an even more imaginative orchestration.

"The contrast in the first movement between the quiet, mysterious opening, with its strange cuckoo calls and fanfares, and the heroic theme which climax the movement was not as well wrought as has been on other occasions. (Likewise, the tender trio did not have sufficient wistfulness to contrast with the rough, boisterous scherzo.)

"Funeral March Subtle

"The satirical Funeral March on 'Frere Jacques' was done very subtly, especially in the use of percussion. The tender middle section was particularly beautiful. But the glory of the work is the exuberant, triumphal finale and here the evening really came alive. Krips leavened up the orchestra got into the mood and we had a performance of a first order. The climaxes were huge and overwhelming, as they must be, but they were all scaled down in relation to the final inexorable climax. Here, all the forces gave everything they had and the triumphal ending was answered by an ovation on the part of the responsive audience.

"This is the type of music making we should expect from our orchestra all the time and which we seldom hear these dark days. Let us hope Van Heinim will be back to reshape the orchestra before it gets away from us. The burden of too many guest conductors with too many idiosyncratic styles.

Hams Handle Radiograms

Guaranteeing at least 75 per cent "speedy-delivery" service, the CalTech Radio Club has started a new, free message-handling program. Any student or faculty member can slip his message copy under the club's door in T2, and several times a week members will dispatch them to be relayed by ham throughout the world.

In addition to the 75 per cent hurry-up promises, the club also pledges eventual delivery on at least 50 per cent of all messages submitted.

Mobilgas Seeks More Observer

"Twenty observers for the Mobilgas Economy Run are urgently needed and should apply to the Industrial Relations office, Room 113, Throop, before next Friday.

"The final run will begin April 5 and continue until April 9, in the Registrar's office.

"Announcements

PRE-REGISTRATION

Pre-registration for the second term will begin on Monday, February 23, in the Registrar's office.

SEX PICTURES

Pictures of the IRE-AIEEE for the Big T will be taken Friday, February 5, at 12:30 p.m. in the courtyard between Fleming and Ricketts.

"Radio Club

Big T pictures of the Radio Club will be taken Friday, February 13, at 4 p.m. in the Fleming-Nicklel courtyard.

NEWMAN CLUB

Father Divine, a Catholic priest, will address the Newman Club tonight at 7:30 in 305 Dabney.

"I wanted a job I could grow with, and I've got it"

H. James Cornelliux graduated from Swarthmore College in 1954 with a B.S. in Electrical Engineering. He's been "growing" ever since with the Bell Telephone Company of Pennsylvania.

"After an initial 44-week inter-departmental training course, Jim was made Facility Engineer in charge of the fast-growing Norristown-Pottstown area. In that capacity, he engineered over half a million dollars' worth of carrier systems and cable facilities between major switching centers.

"Today, he is one of 50 young engineers from the Bell Telephone Companies chosen to attend a special Operating Engineers Training Program at Bell Laboratories. This 19-month course of study with full pay—deals with advanced techniques and new concepts in electronics which signal a new era in telephony. It involves both classroom theory and practical laboratory applications.

"When Jim and his colleagues return to their companies, they'll review major engineering projects. This will assure the best use of equipment for current engineering, as well as for expected new developments in communications.

"I wanted a job I could grow with," says Jim, "and I've got it. I can't think of a better place than the telephone company for an engineering graduate to find a promising future."
Fineman's Shilling Scandals

(Continued from page 2)

(very beautiful but mostly rot­
ing for lack of money and par­ishioners), some of the Cam­bridge colleges, and a good deal of each other.

Though we had roomed to­
ginning of our frosh year, we had

drifted apart over the years, and
talked a long time about Flem­
giner for two weeks at the be­

ing, as if we were strangers

talking a long time about Flem­
tgether for two weeks at the

being, as if we were strangers

meeting for the first time but

having many friends in common.

Actually we are very similar peo­

ple but had solved the problem

of how to be happy though in­
telligent at Caltech in somewhat
different ways; I was relieved to

find that we could, Fleming gone,

communicate again.

He is at London on a two year

Marshall scholarship, but is tired

of ME and wants to go back to

CIT and get a PhD in physics;

he is taking mostly physics

courses now but finds Imperial

College inadequate.

Fiddler went off to St. Albans

to spend Christmas week with

an English family, and I have

been here in London, seeing

friends, filling out application

forms, and whatnot. I went up

to Cambridge again December 24

with Bill Bartley (Harvard '56)

a Fulbright Philosophy student

at London School of Economics

whom I met on the ship on the

way over, to hear the carol serv­
dice in Kings College Chapel. I

have been to a couple of London

U. students' parties by invitation

of Gary Stein, from New York,

who is at Edinburgh for the year

and whom I met at a song­

fest to which he came with an­
other American St. Andrews stu­
dent who was also visiting Lon­
don.

The first, an enormous brawl

that spread over a whole floor of

a half-plastered building in the

vast reaches of outer London,

was populated mainly with devo­
tees of Trotskyism, pacifism,

liquor, sex, and various combina­
tions of these. The second

mostly students from the B. W.

L. was more sedate, though the

hostess was disappointed when I

left at 2300 to catch the tube

home when the party was going
to go on all night. This is one

nuisance of the London under­
ground—it shuts down about

midnight. I understand they run

goods trains through it in the

wee hours of the morning.

I am not yet sure what I am
going to do with the last week

of vacation; I would like to get

up to Scotland for the New Year

which is a drunken orgy there:

whereas it is not even a real holi­
day in England. Stein is going
to be in StAs; maybe I can per­
suade Fiddler to go up, despite

the expense. Fiddler wants to

have enough money to take a car

home with him so he has not

been doing much traveling.

I shall probably be at Harvard

next year; am applying also to

MIT.

COMING TO CALTECH
WEEK OF FEB. 16
YOUR NEW DIMENSION IN MOTORING

This is the ideal car for campus life and off the campus, too. Costs little
to buy, little to run. Only 14½ feet long, parks where others can’t. Seats six
in comfort. Minimum overhang and virtually no “dead” weight provides
exceptional handling qualities. Choice of engines: (both require only low-cost
regular gas) “6” or “8”. With 4-barrel carburetor and dual exhaust option,
the V-8 Lark really moves. Models available are 2-door, 4-door, hardtop,
station wagon. Many options, too, including reclining seats... perfect for vaca­
tion trips. See this honey of a car on your campus. Watch for The Lark.

Men go for girls who go for Camels. This cigarette outs­
sells every other — every

filter, every king-size, every

regular — and has for 10

straight years. The Camel

blend of costly tobacco has

never been equalled for rich

flavor and easygoing mild­
ness. The best tobacco

makes the best smoke.

Have a real cigarette —

have a CAMEL

"Excuse me, honey.
The lady wants a Camel."

R. J. Reynolds Tob. Co., Winston-Salem, N.C.
Band Prepares For Winter Concert

by Cartney

A small group of musicians banded under the goal posts at the east end of the Rose Bowl. The pretty twirler from Whit- tier, Diane Florence, blew her whistle and led the dozen march- ers and her twirling three-year- old sister onto the green gridiron single file. They zigzagged back and forth, almost in chaos, and somehow managed to form an "O" for Oxy and a "C" for Cal- tech. Then all the lights went off and Diane Florence twisted her flaming batons.

That was all that the student body saw of the Caltech Band in 1953, officially. Ricketts and Blacker men could hear the band once a week practicing on the Athenæum lawn during football season, and many of them would join them for a little jam. But that was six years ago, when there was no organization, and no director.

Deichman Takes Lead

In the fall of 1956, John Deich- man, formerly orchestra director, took over the reigns of the New Caltech Band. Even though there was no marching in the Rose Bowl, the band played at all the home games of the foot- ball team and some basketball games as well. The first ASCIT support went to the purchase of new sweaters and drum heads, and that warm Spring of '57, the Great Band gave the First An-
nual Spring Concert. "It was," in the words of Al Forsythe, band manager for four years, "typical- ly mediocre." But the band was going places.

As the following fall rolled around with more football and a winning squad, the band won with it. Twenty-four pieces strode onto the field at halftime during that immortal Oxy game and a winter concert followed in Culbertson, and then, to high- light the fine year, the Second Annual Spring Concert was held between Ricketts and Fleming. And this time it was not "typi-
cally mediocre."

Band Grows

The band has grown to thirty-
two pieces this year, and played at away as well as home games. An Oxy roster was overheard to say at a recent contest, "Oxy,
does guys play priddly good even doe depy are all phydeactis and chemists and all like dat." More success bashed on. Disneyland asked the band to play one after-
noon in the center of their "town"—1900 like.

Very fortunately for Techmen, they do not have to travel to Anaheim to hear this great group perform. On February 25 in Culbertson during Assembly pe-
riod the band will give a con-
cert, exclusively for Caltech stu-
dents and their friends, and ad-
mission is free. It has been ru-
nered that a Key of G glocken-
spell player is still needed to play the band's rare instrument. Numbers played will include: "March to the Gallows," "76 Trombones," "Night on Bald Mountain," "Variations on a Folk Song," "On the Square," and many other of your favorites.

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See how Pall Mall's famous length of fine tobacco travels and gentles the smoke—makes it mild—but does not filter out that satisfying flavor!

You can light either end

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1. To get Pall Mall's famous length of finest tobaccos money can buy.

2. Length travels and gentles the smoke naturally...

3. Under, around and through Pall Mall's fine tobaccos!
The Mastersounds

World Pacific Records, Pacific Jazz Series PJM 401, featuring: Moak Montgomery, Pender electric bass; Buddy Montgomery, vibes; Richie Crabtree, piano; Benny Barth, drums.

This is a nice album. You could play it for your mother. It is pleasant, and at times enjoyable for its own sake. Unfortunately, it is not good jazz.

The group is quite closely patterned after the M.J.Q. The overall tone is delicate, precise, and deliberate. Emotion is curtailed into a sort of sanity, mundanity contrived. As does the M.J.Q., the Mastersounds devote a good deal of attention to their head choruses, obviously choosing their numbers for their applicability to the arrangements.

The heads are always individual entities. They are laboriously contrived, and though complex and intriguing, have little connection with the remainder of the track. Devices are used for their own intrinsic value—as devices. Everything must be intricate. Fugues, countermelodies, and the like are absolutely essential. The song structure is masked by the arrangements, the basic value of the harmonic changes losing preference to the cute qualities of the added frills. Although the importance of the song itself seems to have been lost, the heads are still good in their own light.

I cannot conceive of anything excusing the presence of the electric bass. It is far too similar to a mandolin saw. At its best, it sounds like the low strings on a guitar. The sound is admittedly not unpleasant, but the fullness, the richness of the bass is lost. So is the drive. Perhaps I am a reactionary, but I doubt if this monstrosity will take its place with the invention of Adolph Sax.

Vivid Beat

The vibist is good. His entrance is well-conceived, emotion laden, and powerful. The group cannot support him, however, for his drive, his impetus, and the solo becomes just that. Perhaps with some other group.

I don't know if the flat piano, the mushy bass, or the mechanical drums are most responsible for the lack of any semblance of swing. It seems to be a cooperation effort.

As I said before, though, the album is a pleasant one. The heads are interesting, and the solos won't bother anybody. The tunes are well picked and highly developed—only one developed except in the solos.
The Mt. Baldy cabin ASCIT is thinking of buying is nestled among the pines and fog an hour's drive from Tech.

The Tech Takes A Visit To The Mt. Baldy Cabin

Two weeks ago the California Tech reported that the Board of Directors is considering a proposal to purchase a $7800 cabin on Mt. Baldy. ASCIT presently has a $4100 surplus which would supply the down-payment.

The cabin is about a mile below the ski lift and lodge area on Baldy. It takes a little over two hours for the 80-mile round trip. From the outside the cabin looks just like a mountain cabin should: It's on a fairly steep hillside and is surrounded by pine trees and boulders.

The inside of the cabin is also typical. There are four rooms, plus a loft and a bath. The knotty pine paneled living room has a fine stone fireplace and a thick rug. The two bedrooms are nothing fancy, but are clean and moderately roomy. The kitchen has an electric stove and water heater to complete the setup.

All in all, it's a pretty nice place.

Charles Gallagher, this year's third AUPS representative, enters the second half of his campus stay tomorrow when he will speak to the YMCA Undergraduate Lunch Forum on the problems of Arab North Africa. The meeting will be at noon at the Training Table, and will feature an informal question-and-answer session.

On his second college circuit for AUPS, Gallagher concentrates his attention this year primarily on the problems raised by Arab Nationalism. Dating back to 1875, Arab Nationalism envisions a state where the individual is society is the topic that will be discussed at this year's Scripps-Caltech Student-Faculty conference. The annual conference, which is sponsored at Tech by the YMCA, will be held from February 27 to March 1.

Thirty-five Scripps women will attend the meeting, along with 35 Tech men and about 30 faculty members from both schools, according to Mike Peters, Caltech chairman.

The conference will again be held at the Firestone Boy Scout Camp, 15 miles southwest of Pomona.

Senior members making keynote speeches include Dr. John Weir, Dr. Paul Saltman, Professor of Biology of UCLA and a Caltech alumnus; Dr. Arthur Campbell, Dean of students at Harvey Mudd, and Dr. Edgar Beckhard, Chaplain of the Associated Colleges. Several other Tech faculty members will also attend.

In addition to the talks and discussions, there will be plenty of time for recreation and social activity. Peters emphasized.

The Tech half of the sign-up will be on a first-come-first-served basis and will begin at noon next Thursday in the Y office. Total cost for the three-day conference is $10.50.

Y Play Set Next Sunday

A play by T. S. Elliot, "Murder in the Cathedral," will be presented by the Caltech YMCA next Sunday, February 15, at 8 p.m. at the home of Beach Langston, 420 South Parkwood, Pasadena. Admission and refreshments will be free.

The play, starring Ken Dittrich, concerns the life of St. Thomas a' Beckett, with comparisons to the life of Christ. Written in verse, the play is highlighted by a woman's chorus.

Appearing also in the production will be Bob Blandford, Gary Hachtel, Tom Morton, Mike Peters, Ken Scholz and Jim Ullman.

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As I See It
by Russ Pitzer

Spring Sports Take Spotlight

MIT is pretty proud of its swimming team this year, according to a recent edition of "THK (MIT) Tech." Some of their better marks posted in swimming Tuffs are as follows: 400-yard medley relay, 43.6.6 for a new school record; 100-yard freestyle, 53.56; 200-yard freestyle, 2:28.9; and for the 400-yard freestyle, 5:28.1.

Some approximate Caltech varsity times corresponding to these are: 13.5, 50.0, 2:30, and 5:20, respectively. In the other events Caltech times are much better, so that in a meet, the Caltech varsity could win all but one or two events. The Caltech frosh could probably beat the MIT varsity, also. Too bad MIT is so far away ...

The first baseball game will be against Cal Poly next Wednesday on the Caltech field. Fred Newman, who has elected to sit out this season, will be missed at shortstop, but Skip Stenbit and Karl Poole, up from last year's frosh, should bolster the squad. Whitthirt seems to be the favorite to take the conference.

Fleh Footballers Rout Throop Club

Thursday afternoon Fleming's Kiiskemen rolled over Throop Club in a Discobolus football game, 26-0.

Fleming received the opening kick and the first play — an Engelberg to Laderman pass — traveled the distance for six. An Engelberg to Shans pass converted and the win was never in great danger thereafter.

Throop's main offensive weapon — the power run — worked fairly well, but timely interceptions staved off any serious penetrations.

Flemish Cagers Squeeze By Pomona

Little Beavers Head for .500 Season Record

Playing their best game of the year, Caltech's frosh can stage a tense come-from-behind rally in the winning moments of the game to take a close 46-45 victory from the Pomona frosh Saturday night on the Beaver hardwood.

This win completed a two-game sweep by the two Beaver court squads and reversed an earlier double-overtime Pomona frosh win. With this victory, the frosh upped their seasonal slate to a respectable 8-6.

Pomona held a close lead through the early part of the final half and had a 44-40 advantage with about three minutes remaining on the clock. Dean Gerber, dependable guard, put up an all-court press, which turned the tide. Gerber flied a pass and whipped it downcourt to John Arndt, who dumped in an easy bucket. Roger Monito and Jim Armbrister tallied 11 points, sank the final two foul throws for the win.

With 29 seconds remaining on the clock and the score 44-45, Pomona had possession of the ball when the scoreboard failed. This caused some confusion about the time remaining and the Pomona five didn't get off a final shot.

Pomona led in the first half but the little Beavers sunk two fast baskets to make the intermission score 21-22. Noll took over scoring duties and handled reboulding when Gerry Clough, usually top scorer, suffered a slump.

The Pomona man-to-man defense was firing so the visitors switched into an all-court press. Caltech took advantage with several quick baskets but then faltered. Pomona guards Ken Morimoto and Jim Armbrister repeatedly stole the ball and the Beavers couldn't move up-court. The winners utilized a tight defense and consistent boardwork in fending off the Pomona five, which used a strong bench to good advantage.

Frosh Netmen Snap Win

A promising frosh tennis squad showed great potential in handily defeating Pasadena Nazarene College's frosh Monday afternoon, 7-1. Dick Hess, Art Johnston, Whittier 13 7

CALTECH 14

Gary Tibbetts and Senior Don Owings are both top prospects.

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Frosh Netmen Snap Win

A promising frosh tennis squad showed great potential in handily defeating Pasadena Nazarene College's frosh Monday afternoon, 7-1. Dick Hess, Art Johnston, and Dave Welsh all won their singles matches, while Mc Garry and Welsh, along with Bar glow and Welch, teamed up to win their respective doubles matches.

Bob Hearn and Cedric Jones were tied in their doubles match when darkness forced a cessation of the meet. Saturday the frosh journey to Claremont to play Webb School in what promises to be a much tougher test than the first one.
**Sports**

**Bowling**

Whitetter's Poets, rampaging class of the SCIAC basketball conference, make their only appearance of the season on the Tech floor Saturday night, by tallying a 136-68 triumph over M-Pro. Sophomore guard Bill Ripka, who was named for all tournament when the Beavers captured third place in the 200-yard breast stroke with a respectable 237.5. Although this was the only place made by Technicians, several other good times were posted. Sophomore Gary Titthits also made the 410 in 5:02.5 to chop five seconds off his former standard. Keith Lewis, who had his eye turned in encouraging times for the game, a season individual Tech high.

In the AAT races Sunday, several varsity men got their first taste of competition this season. The meet was held on a 12-a-side basis with everyone competing in heats. Don Owings of the Beavers captured third place in the 200-yard breast stroke with a respectable 237.5. Although this was the only place made by Technicians, several other good times were posted. Sophomore Gary Titthits also made the 410 in 5:02.5 to chop five seconds off his former standard. Keith Lewis, who had his eye turned in encouraging times for the game, a season individual Tech high.

Sophomore guard Bill Ripka began to hit in the style that made him the fresh conference star last year in the second half, rifling in five buckets to keep Tech in the game.

However, Cal Western's fast and hard-driving forwards Takahashi and Greenwood riddled the Beaver defense with short hooks and lay-ins to keep the game even with two minutes to play. Then Stene lost his shooting eye un­til Greenwood hit a beautiful left hand and two perfect free throws to reach the final count.

Takahashi had 21 points for the game, Greenwood 19, and center Hammond 16.

**Engineers**

**Raytheon**

**Interviews**

**On-campus**

**February 27, 1959**

Right now, though, see your placement officer. Get squared away on a specific time for your interview. And get your copies of the brochures that also help to fill you in on the RCA picture. If you're tied up when RCA's representative is here, send a resume to:

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Experienced engineers and interested management guide your progress. You may receive assignments in design and development of radar, airborne electronics, computers, missile electronics, telecommunications, radio and other equipment fields, as well as in Electron Tubes, Semiconductors and Components. MS, PhD Candidates are eligible for direct assignments in the above mentioned fields. There's a lot more that's extremely interesting about an RCA engineering career. You should have these facts to make a wise decision about your future. Get them in person very soon when an RCA engineering management representative arrives on campus.

Mr. Robert Hackett, Manager 

College Relations, Dept. CR-11 

Radio Corporation of America 

Camden, New Jersey
Eight Seminary Students

Monday, Feb. 16

Eight west coast seminary students in residence at the University of Southern California's Y-sponsored campus visit Monday, doubting with volunteer students from each house. They will spend most of their time in informal bull sessions with students in the houses and the Y lounge.

They will all be guests at faculty dinners Tuesday and Wednesday nights. Sign-up lists for students interested in the dinners will be posted in the Y lounge. The Seminarians will also meet with the Upper-class Lunch Forum on Wednesday and the Grad Sack Lunch Forum on Thursday.

Jack Stegman of Pacific Lutheran University and Mike Meyer of Hebrew Union College will stay at Ricketts; Harvey Fields of Hebrew Union College and Jim Caribough of San Francisco Theological Seminary will stay at Dabney, and Noel Phelan of the Southern California Baptist Seminary School of Theology and Alan Green of the Pacific School of Religion will stay at Blacker. General chairman for the visit is Dave Cassel, and the funds will be sent to D. A. from a grant from the Danforth Foundation.

Russians Leave Impressions, Anecdotes

(Continued from page 1)

The Garrett Corporation is one of the most diverse research, development and manufacturing organizations in the aircraft, missile and technological fields.

From AiResearch laboratories have come pioneering developments in aircraft and missile components and systems. Today 90% of the free world's aircraft use AiResearch equipment.

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**TYPICAL PROJECT ACTIVITIES**

- Electronic air data computers, pressure ratio transducer instruments, electronic systems and motors and generators.
- Preliminary design from analytical and theoretical considerations for high-level technical work in aerodynamics, stress analysis, thermodynamics, heat transfer, cryogenics, pneumatics, nuclear power and mathematics.
- Auxiliary power units and control systems for various types of missiles.
- Air and vapor cycle refrigeration turbines, hydraulic and mechanically driven pressurization compressors.
- Jet engine and rotating machinery design and analysis including combustion, thermodynamics, gas dynamics, thermodynamics and aerodynamics.
- Gas turbine auxiliary pneumatic and electric power units.

**ORIENTATION PROGRAM**

In addition to direct assignments, an eight-month orientation program is available to aid you in job selection. You participate in Garrett project and laboratory activities and meet with the Russian educators during their after-dinner visit to the student houses.

"We hesitate to compare the quality of American and Russian scientific education," the guests answered as soon as they were seated and had time to hear the first question from their hosts, "but our engineering students attend classes 30 hours a week, compared to your 18, our summer vacation is only two months, compared to your three, and our curriculum spans five-and-one-half years."

"Do the Russian students do much dating with young women?" asked one Techman.

"Well, in the first place, 40 percent of our students are women," came the reply, which was greeted by laughter and applause. "Our students are not Monks!"

**EPC Suggests P.E. Chores**

EPC has formulated a new plan to meet the PE need. First, all freshmen would be required to take one full year of calisthenics and exercises, under the direction of Coach Nettle of a qualified upperclassman. During the next three years, preferably six, of the same course given freshmen or a series of special classes for instruction in special sports, such as the present Karate class. Of course, the present tradition of granting credit for interhouse and intercollegiate athletics will continue, as well as exemption from PE for those students taking AFROTC.

The purpose of the poll was to provide help to the faculty EPC in deciding the future PE program. Those in favor were concerned with student opinion on the matter before they formulated any specific policy. At present Dr. R. H. Siebersky, chairman of the EPC, favors reducing the PE requirement to only two years.

**Interview Schedule**

Friday 13—Hoffman Laboratories, Inc. (n.s.), Continental Can Co., Argonne National Laboratory.


Tuesday 17—General Electric Co., Allied Chemical & Dye Corp., Rand Corp., ACF Industries, Consolidated Electronique Corp., Transducer Division (n.s.).

Wednesday 18—Institute for Air Weapons Research, Richfield Oil Corp., The Bell System.

Thursday 19—Conva-lort—Fort Worth (n.s.), The Bell System.

Friday 20—Conva-lort—Fort Worth (n.s.), Bendix Computer Division (n.s.), U.S. Naval Ordinance Test Station, General Telephone Co. (n.s.), Marcor Sharp & Dohme.

(n.s.) means no summer work.