Pasadena, California, Thursday, January 17, 1957

interested in attending Tech

Although information was sketchy as the **Colifornia Tech** vent to press, it appeared that three Hungarian Olympic athletes, including one gold medal winner, who defected to the West following the recent Games in Melbourne, were making plans to apply to the Institute for admission.

This information was relayed to the Tech by Wes Hershey, executive secretary of the YMCA, who was contacted regarding the three students by the World University Service.

Hershey, in turn, contacted Professors Bohnenblust and Pauling, Dean of the Graduate School and Chairman of the Department of Chemistry respectively, both of whom reliters.

spectively, both of whom reiter-**BOD** names ated the traditional Institute policies on admission, emphasizmen to go to ing the fact that admission is in September only. It was also pointed out that it would be dif-"Model UN" ficult to place the Hungarians, all three chemistry majors, academically, owing to the differ-

Caltech and the University of Budapest, where they were studying previously. Must wait until September

ences in curriculum between

Barring unexpected action on the part of the administration, it appears that the Hungarians will not be allowed to enter Caltech at the present time, but will be advised to apply for September admission through the regular channels, at which time there is a possibility that they may be given special considera-

Several offers

In general, however, the prospects for the students are not at all dim. Several American universities, most notably Princeton, have made offers to accept and make provision for all such students. Two of the students have completed two years and one has completed three, years of study, which would put him roughly at the level of the graduate with a BS. In view of the obvious athletic ability of the three, all of whom hold at least one medal from the Olympics, it is to be hoped that should they persist in their desire to come to the Institute, and they are granted admit-tance, they will retain under-

(Continued on page 6)

Non-residents to ioin houses

Fourteen freshmen and six upperclassmen will be selected this week to fill non-resident memberships in the student These positions were vacated by the former members who dropped out at the end of the last term for various wellknown reasons.

The new members will be chosen out of those who applied on the basis of house preference cards, luck in drawing a low number when applying, and the

preferences of each house.

The applicants expressed house preferences without bene-fit of rotation.

Honor Keys!

The Honor Point Committee of ASCIT- will accept Honor Key and Certificate applications through Friday, January 25. Anyone who believes he meets the requirements in the Little T, should give his application to Rube Moulton, 44 Ricketts.

Hungarian Olympic athletes Faculty, students consult on campus, career, philosophy

Noted economist

Galbraith delivers first of three lectures on "Economic Values"

John Kenneth Galbraith, Professor of Economics at Harvard University, presented the first of his three scheduled lectures last Tuesday evening. The last two lectures of the series on "Economic Values" will bear the titles "The Preoccupation with Production" and "New Values and Social Balance." They will be given on Jan. 17 and 21 in Dabney Lounge at 8:15 p.m.

Professor Galbraith, one of the country's best known economists,

Tech debaters to debut on TV

Caltech debate squad will appear in five or six half-hour debates on the television series The Big Debate on Channel 13, KCOP, beginning February 17. Tech and Occidental will join UCLA, USC, Pepperdine and LA State in a sixteen-week series of round robin debates with a different subject being debated each week. The debates feature cross-questioning, in which the first speaker for each side is questioned by an opponent. The show appears at 8 p.m. every

Tournament notes

At the Western States Tournament held in Stockton at the end of last term, the squad came through with several excellence awards. Attending were debate teams Mike Bleicher and Rube Moulton; Tom Gunckel and Jon Wright; Allan Porush and Ken Scholtz: Tom Morton and John Lango; Mike Thomas. Bleicher and Moulton received an excellence certificate in debate for lasting through the quarter-finals while the other teams won at least half of their debates Mike Thomas received an award for excellence in discussion through five rounds of non-elimination competition. Tom Morton and Ken Scholtz received them in the categories of interpretation and extemporaneous speaking, respectively, for lasting through the semi-final rounds. The tournament was attended by over 500 students from fifty schools throughout the eleven Western States.

Dance planned

ASCIT and the junior class will cooperate to present a dance after the Caltech-Whittler basketball game on Saturday, January 26.

Combo, entertainment

Throop Club will be the site combo will furnish music, and Whittier may provide entertainment, according to tentative plans of the class executive committee. Whittier students will be invited.

This is the first of three aftergame dances, originated to encourage dating at basketball games.

games. The freshman class will sponsor a similar affair after the Redlands game on February 1. The junior class dance will occur. has long been recognized for his far-reaching interpretation of modern war-time economic policy and for his writing on agricultural, industrial, and financial topics. He received his education at the University of Toronto and the University of California, and continued his postdoctoral study at Cambridge University in England. He taught economics at Harvard from 1934 to 1939 and at Princeton, 1939 to 1942.

Magazines and books

During World War II Dr. Galbraith was deputy administra-tor of the Office of Price Administration, then served as director of the Strategic Bombing Survey and later in the State Department. He has been editor of Fortune magazine and has contributed frequently to The Reporter, Harper's and other journals. Dr. Galbraith is the author of such books as American Capitalism, The Concept of Countervailing Power and The Great Crash, a review of the stock market boom and crash of

leave tomorrow afternoon to attend the YMCA-sponsored student-faculty conference, to be held Friday through Sunday at Camp Hess Kramer in the Malibu area.

Conference will give those attending a chance to discuss many questions of importto them as scientists and citizens, particularly questions pertaining to the education of scientists and engineers. Conference is also expected to help provide the students and the teachers with some insight into each other's points of view on those subjects.

Outstanding participants
Among the students attending will be many campus leaders, including a majority of the ASCIT Board of Directors. Many of the attending faculty members have long histories of interest both in the well-being of Tech students and in questions of the type to be discussed. Noteworthy among these Drs. George Mayhew and John Weir; Mr. Wes Hershey; Dr. George Beadle, a past president of the American Association for the Advancement of Science; and Dr. F. H. Bohnenblust, the Dean of Graduate Studies.

Relaxation, recreation

The activities of the weekend conference will consist of periods of relaxation and recreation. The discussions will be organized along novel experimental lines, with the members (Continued on page 3)

Air Force men find new hierarchy as new term brings extensive changes

Many juniors and seniors of the Caltech AFROTC found themselves in new leadership positions at the beginning of this term as an extensive reorganization in the unit effected a complete change in their duty assignments.

Slocum to talk on dam construction

Harvey Slocum will discuss 'Construction of the Bhakra Dam, Punjab, India," at 4 pm this afternoon in 208 Engineering. He is presently Chief of Construction for the dam, the world's largest construction project and symbol of all recent Indian development.

Grand Coulee

Slocum was selected for the job because of his previous experience and reputation gained in similar posts during the construction of Shasta and Grand Coulee Dams. Although he has considerable respect for the engineering problems involved, many of his worst headaches have involved the introduction of American construction methods to India. This, and his close personal friendship with Prime Minister Nehru, will make this talk of interest to anyone with an interest in India.

The major change was Cralg Elliot's move to drill team commander, and his replacement as group commander by Cadet Lieutenant Colonel Thomas Hays. Assisting Hays, as deputy to the commander, will now be Cadet Major Robert Gelber. Jim-Welsh is now a cadet major and performing the duties of group operations and training officer. Cadet Major Wilfred moved one step to his right in the group staff, becoming group executive officer. Squadrons A, B. and the headquarters squad-ron are now under the leadership of Cadet Majors James Giles, Gordon Fullerton and Richard Smisek, respectively.

New policy

A new policy has been adopted this year with respect to the assignment of positions to junfors in the unit. In contrast with previous years, a number-of juniors were placed in staff positions this term. It is hoped that this change will aid the juniors considerably this summer when they attend ROTC

pate in all related committees. Succor!

The ASCIT Board of Directors

Monday night selected candi-

dates for the Model United Na-

tions which meets April 4-10 at

Stanford University. Those representing Caltech are: Brent

Banta, Doug Carmichael, Ike

Haissman, Tony Iorillo, Dick Kirk (head of delegation), Jim

Mebust, Don Meyer, Walt Peter-

son, Reed Saunders, Marty Tan-

gora. Alternates selected were:

Howard Bloomberg, Bill Hecht,

Cubans

Patterned closely after the J. N. in New York, the Model

U. N. will have a General Assem-

bly, Security Council, and vari-

ous committees. Most colleges

and universities in western U.S.

Each school represents one

country in all its U. N. activi-

tiés. As Cubans, the Caltech

delegates will have a vote in the

General Assembly and partici-

sending representatives.

and Mike Talcott.

The position of Farrago business manager is in want of someone(s) to fill it. Anyone intrigued with the possibility of picking up a little cash should show up at the Board of Directors meeting

McKinney essay awards offered

The McKinney English essay contest will offer undergraduates prizes of \$75, \$50, \$25, and \$15 for the most effective 1200 word essay on "Society and the Individual." Entries must be Entries must be submitted to Professor Kent Clark, 303 Dabney Hall, by Monday, April 22, 1957.

The judges, a three-man committee, consisting of one representative fro mthe Humanities Division and two from outside the Institute, will consider both the quality of the ideas and the writing. Each entrant is advised to read Aldous Huxley's New World, George Bernard Shaw's Pygmallon, and John P. Marquand's M. M. Pulham, E and to type his essay double-

The contest, which is not open to previous winners of first or second prizes, was established in 1946 by the late Dr. Samuel McKinney in memory of his Sports Staff Photography

California Tech

Editors-In-chief — Tom Dodge and Frank Kofsky Managing Editor — Bob Walsh

News Editor - John Lango

Staff Dave Leeson, Bob Lushene,
Alan Berg, Dick Goodman, Lance Wallace,
Pete Kastan, Dave Resnik, Ted Bate, Steve Emanual, Alan Carlin
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Business Maragar — Ed Park
Entered as Second-Class matter November 22, 1947, at the Post-Office In
Pesedenc, California, under the Act of March 3, 1879 Feature Staff

Pasadena, California, under the Act of March 3, 1879

Advice for job applicants

This is the time of year that companies and prospective graduotes get together and attempt to come to a meeting of the minds. The companies are looking for young blood to bolster their lower ranks and the seniors are looking for opportunities for advancement, higher than average salaries, desirable locations, fringe benefits, training programs and anything else they are offered.

It isn't worthwhile to expand on the comparatively lush posi-tion of present June graduates in this article. I'm sure we are all well aware of the leverage that graduating engineers and scientists, especially, enjoy in bargaining for employment. Conversely, it would be more beneficial at the moment to remind seniors that there is still spirited competition for the more desirable positions. With this fact in mind, it would be helpful to know what interviewers look for when talking with an applicant.

Alfred Johnson, a graduate student in mechanical engineering, under the auspices of the Industrial Relations Section and the Placement Office, conducted a research project recently to determine how interviewers evaluate applicants. Several companies were sent forms which listed eleven qualities that appli-cants might be expected to have. They were asked to rate these factors in three groups: primary, secondary and minor. The following results are based on replies from 149 companies in ten fields who normally interview at Tech.

"In an over-all evaluation, the relative position of the eleven rating factors in decreasing order of importance is:

Personality Faculty Recommendations Interest in the Company Specific Option Grades General Appearance Previous Work Experience Student Activities Personal References

Worked Self Through College Student's Pre-interview Preparation"

True, these are not weighted results and that replies differed even within the same industries. Nevertheless, I think it can be surmised that the above evaluations can serve as a constructive guidepost for the prospective applicant.

Secretary's Report

NEXT MONDAY the board will discuss revisions to the present system of athletic awards. Everyone with a reasoned opinion is invited to attend.

MODEL UNITED NATIONS The board was gratified to see student interest in the Model U.N. About two dozen candidates attended the meeting to state their case as prospective members of the Tech delegation. The board chose a ten-man delegation headed by Dick delegation. The board cho Kirk plus three alternates.

FISCAL YEAR CHANGE Don Nierlich reported that changing the fiscal year of ASCIT to coincide with the term of office of the majority of board members would be, entirely feasible. This would eliminate the problem of auditing the books during the summer without the old treasurer, and the incoming treasurer would have the help of the outgoing one in setting up the new books.

ENGINEERS

join the fight against smog!

WESTERN PRECIPITATION CORPORATION, which operates internationally with headquarters in Los Angeles, is a fifty-year-old pioneer in the dynamic expanding field of air pollution control and recovery of values from waste products. This unique organization offers the young engineer the following account of the product of th lowing exceptional opportunities

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PLUS excellent beginning salary, regular increases during training, and generous fringe benefits.

Interviews with June engineering graduates will be at the Caltech Placement Office, Friday, January 25th, 9 A.M. to 4 P.M.

THE WORLD AND TANGORA

by Marty Tangora

As the long hibernation of sec ond term sets in, many Techmen find themselves sleeping through one important event after an-other. On the hypothesis that the remedy may lie partly in a more adequate advance notice of coming events, I have prepared the following Tangora's Com-Guide to Caltech Games, Discussions, and Socials. If one of these is pinned to the door of every DELETED, perhaps this unfortunate oversleeping can be somewhat reduced.

January 18—Last day for add-

ing courses. Occasion for mad last-minute rush at Registrar's Occasion for mad

January 23—Finals begin at Occidental College. Open season on tigers

February 6 (approx.) slips mailed out. These are sup-posed to be posted on your door in the houses.

February 7 — ASCIT nominations assembly. Attendance at this assembly consists of all those who are nominating or be ing nominated, plus Mrs. Hale, plus one or two janitors who happened to be sweeping out Culbertson at the time. Bring your joke book.

February 8-Last day to drop courses. Opportunity to have revenge on the dirty rats who gave you blue slips.

February 13-Basketball with Occidental, in our own gym. Oxy attendance: about a hundred. Caltech attendance: about fifty. mostly candidates for ASCIT and house offices.

February 15—Newman Club Winter Carnival. Special deal this year: confessionals on the dance floor. That way you can do the good deed after you've already done penance for it.

February 18-Interhouse Sing.

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February 18 to 20-- ASCIT campaigns. Occasion for damn idiots to try to make their speeches heard over your meal-time conversations.

February 20 ASCIT Seminar in Government. Students interested in politics discuss pros-pects for coming year in informal atmosphere.

February 21—ASCIT Elections. February 22—Defeated candidates xeplain that they really wanted house offices in the first ASCIT offices by mistake.

Also Feb. 22—ICC Dance in a barn in Ontario. Best opportu-

nity for Techmen to wear slide rules on their belts and discuss relativity with their dates in the presence of students from other

schools. March 1—ASCIT Formal at the Beverly-Hilton. Annual display of linty double-breasted blue suits.

Feb. 28 to Mar. 5-Visit of Op penheimer to campus, Big chance to try and impress a famous person with how astute

March 11—Fine holes.
March 16—College Boards for those willing to try all over April 4 to 10-Pale Alto party.

June 7-Purge of undesirable undergraduate elements.

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INTERVIEWS ON JANUARY 23, 1957



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DOUBLED AND DEDOUBLED

Gary Breitbard and Kay Sugahara

North 8 7 6 H Q 7 3 D J 4 3

0 10 8 6 5

T 10 6 5 Q J 7 5

South A K Q 10 9 H A K 8 2 D AK C A 3

Contract: 7 No Trump, declarer South Opening lead: 4 of clubs

With a 27 point hand and a little encouragement from North, South decided to try for the big game, a contract which ostensibly depends upon the losing heart split. However, one of the appealing aspects of bridge is the fact that there are so many possibilities available to the persevering and resourceful player. The possibility employed by the declarer in today's hand is one of the grandest and rarest of all, the Vienna Coup.

South takes the opening club lead in his hand with the ace. He runs off five tricks in spades, exhausting the suit, and then proceeds to attack hearts. After two heart leads the hands look like:

North н D J 4 3 C K 9 Wagt West J 10 Q 10 8 075 South H A 8

n AK C 3

Now South leads the Ace of Hearts and West is forced to slough a little club to keep his Queen of Diamonds protected. This renders the 10 of Clubs useless as a stopper. Now the Jack of Diamonds is no longer a threat and may be discarded if necessary.

Next South leads the Ace and King of Diamonds, this time applying a squeeze to East. East must retain his good heart and therefore is forced to slough his two little clubs on the diamonds. The result of this series of plays is to leave both West and East with only one club apiece, setting up the 9 of clubs on the board.

To understand this type of play is far easier than to recognize it in a game. The principle involved is that at least one defensive player (in this case both) is forced to protect more than one suit. If the declarer is clever, he can arrange to hold on to his potential winners while the defender squirms. In our hand, West had to hold diamonds, East had to hold hearts, so neither could protect clubs.

The particular squeeze illustrated in this hand is called a The distinguished feature of this play is the unblocking of suits by the declarer. In other words, he plays off the top cards of the squeezing suits, thereby setting up tricks for the defenders which they will never be able to cash. Examples of this type are plentiful, but don't expect to play one next time you sit

"Accidentally Yours" is more of a mistake than an accident

The Pasadena Playhouse is currently sponsoring Accident ally Yours, a light, transparent comedy. Represented as a humorous show, the play concerns a history professor who wins a prize for writing Did I Sin?, a book he really didn't write.

Given this pyrite nugget the cast goes wild with hectic confusion to create a general feeling of frustration.

Surprisingly enough, there is a side plot that deals with two people falling in love. A blonde keeps running in and out in a filmy Arabian costume, but even this doesn't do much to alleviate the plot.

Charles Ruggles does his best to bring humor out of the character of the absent minded professor. At times, in spite of the weak situation and poor character, he does manage to make the play humorous. In general, he does a fine job with what he has to work with.

Maxine Semon plays a different sort of combination maid. butler and cook for all the

gles heads the cast, which includes Peggy Stewart and Britt

Lomond among others.

Pauline Williams Snapp wrote the play, and the Playhouse production was directed by Harvey Marlowe.

All in all-more of a mistake than an accident.

in many other areas.

600 St. Paul Ave., L. A. 17

laughs it's worth. Vera Vague with Charles Rug-

Crew Crashes Crowd, Creates Crisis

With typical skill, the Fleming Asexual chairman managed to invite something over half the Pomona student body to an exchange. Hearing that every warm body in the house was overwhelmed with women, the virile Rowdles arrived in force. It was fun, but when every other girl began her convers tion with, "Do you know Bill Davis?" . .

Schmick Subtlety Scores

At the Ricketts exchange the night after, R. Schmuck figured to return the compliment. With characteristic Southern sauvity the Old Scamp entered, bowed down low to a fair damsel, and said, "Mam, would you like to lance with me?"

Trumpeting Troll Tries Triumph

Shouting Ed Pork owns a riumph. Hollering Howard Triumph.

Campus Brewins Rumsey desired to purchase it. "Let, me take you for a ride around the block, Howie," tele-pathed Shouting Ed. Away they went

> "What's a four-wheel drift like in this beast, Ed?" tele-"What's a pathed Hollering Howard.

Shouting Ed is directed to appear in Pasadena Municipal Court on or before February 17, 1957

(Beak's note: Shouting Ed managed to pull down his second ticket in four days by getting caught making a Uturn late Monday night. Two more, and Shouting Ed can trade the Triumph to the City of Pasadena and only owe them \$50. Nice pit, tough dolly, etc., Ed.)

Pretty Pained, Pop Pays "Oh, I can't stand pain," said

Kelley's date, blushing prettily.
"Sure you can, lover," said the
Pope, and proceeded to grind
out a cigarette butt on her dainty

palm. Her first swing decked McNads VI, and as he was taking a nine-count, her dainty size nines blessed the papal posterior. His Impotence fled when she grabbed the bookend

Conover Communique Confuses

The Beak transmits this com munique verbatim: "Conover beat Bass, Baer in Blkr. Hmsex. Contest. Don't print H. Alley bit." Degenerates Deposit Dummies

The dread lady Bountiful Mob struck Fleming late one night and left three real genuine stuffed dummies, effigies of random phlegms. The FRI knows who (I'd lay on skivvies) and why (certain acts of banditry) but one question remains unanswered-who gives a damn?

Dabney Doings Depressing

"Hey, you know that crazy frosh? He ate a whole bowl full of sugar at Bob's the other night_What a crazy guy!"

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and Anita Ekberg "ZARAK"

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22, 23, 24 PhD/Ch, ChE, ME, Ph, Bi E. I. duPont.

Tues. 22-BS, MS/ME; Jrs.,

Srs./ME; for Summer work
Brown Citrus Machinery Cor-

poration, Whittier, California. Tues. 22—BS, MS, PhD/EE,

ME, Ph; Jrs./EE, ME, Ph for

Summer work Electrodata Div-

Tues. 22-BS, MS/CE, ME

Wed. 23-BS/EE, Ph, ME; Jrs.

/EE, Ph. ME Electronic Control

Systems, Inc., Los Angeles (Sub-

sidiary of General Dynamics, affiliate of Stromberg-Carlson)

Wed. 23—BS/CE, EE, ME; Jrs./CE, EE, ME for Summer

work Southern California Edi-

son Co. MS, PhD/Ch,

(Continued on page 6)

Pittsburgh-Des Moines Steel Co.,

Pittsburgh, Des Moines and

Santa Clara.

ision of Burroughs, Pasadena.

Interview Schedule

Thurs., Fri., 17, 18—BS, MS, PhD/EE, Ph, ME Consolidated Electrodynamics.

Fri. 18-BS, MS/EE, ME, Ph Airborne Instruments Laboratory, Inc.-Mineola, New York.

Fri. 18-BS, MS/Ch, ChE, ME General Chemical Division-Allied Chemical & Dye Corporation.

Fri. 18—BS/EE, ME Gilfillan Brothers, Inc.

Fri. 18-BS, MS/EE, Ph Inter-State Electronics—Anaheim.

Mon. 21-BS, MS, PhD/ME, EE, Ae, Ma, Ph Air Force Flight Test Center-Edwards Air Force

on. 21—BS, MS/Ch, ChE, CE, ME, Ph Linde Air Mon.

Products.

Mon., Tues., 21, 22—BS, MS, PhD/EE, Ma, Ph Mit-Lincoln Laboratory.

Mon., Tues., Wed., Thurs., 21,

CONFERENCE

(Continued from page 1)

divided into six groups of ten or so each, discussion proceeding spontaneously in each group. A panel of "observers" consisting of Dr. Weir, Fritz Trapnell, Marty Tangoara and Walt Peterson have been chosen to present a summary of the proceedings on Sunday morning.

Questions typical of the type to be discussed might be "What is the position of the scientist in our modern society?" or "Is the Caltech curriculum best suited to the needs of the students?'

The members of the camp will find plenty of opportunities for recreation. Dr. Robert Sharp will lead a hike along the coast Saturday afternoon.

Students and teachers will begin the trip home after lunch on Sunday, bringing with them the results, conclusions, and impressions from the conference.

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agement Devel., Insurance, Pension Programs,

Industry and Professional Leadership

The Sports Corner

Usually the remarks in the column are addressed to the entire student body and any other interested readers. This week, how ever, I am writing for that relatively small group of students who

watched the Caltech-Oxy game last weekend.

Friday's game showed that hard work does pay off, slowly but surely. The Caltech team played much better basketball in the second half than it had in any previous game this season. The team still has a long way to go to achieve real respectability as a basket-ball squad. But I feel certain that before the season is over all the work on the part of the Calfech hoopsters will have resulted

Outmanned Beavers find thirtieth loss at Occidenta

season last Friday night by painlessly submerging a hustling but outmanned Caltech team, 67-43, in the tiny Occidental gym. The loss, which was Caltech's conference opener, extended the losers' streak to thirty consecutive losses over three seasons.

After an even start Oxy broke through for several baskets in a row and the score mounted to 27-9 before the Tech players recovered and held the lead back to 33-17 at the half. In the first minutes of the second half the Beavers scored a flurry of points which brought them to within eight points of the Tigers and awoke some life in the Caltech rooting section, but the Oxy team staved off the rally and was never again threatened.

Ted Tiffany, Oxy's explosive scoring leader, was obviously not in top form, but still led both teams in scoring with 13 points, considerably below his season average of 25 points per

DON'T

MISS

THIS

guard who has not been a regu-lar starter for Occidental, was next in scoring with 12 points and played a fine all-around

High man for the Beavers was again sophomore center Larry Kraus, with ten counters. One of the bright spots of the generally unhappy evening was Ray Magdaleno's hustling floor play. Sonny Nelson, the big question mark in Beaver hopes, saw little action and was clearly hampered by his injured knee.

The Caltech frosh also dropped their contest with the Occidental yearlings by a final score of

ON CAMPUS

FRIDAY JAN.

18th

Tech plays UR; Nazarene next

Coach Carl Shy's varsity hoopsters face a pair of tough opponents in the next week, as the Beavers travel to Redlands for a conference game Saturday host Pasadena Nazarene Tuesday afternoon.

Redlands, defending co-champs in the SCC, has a 20 record in conference play. The Bulldogs main scoring thrust is J. R. Perkins, a second-team all-conference selection last season, while center Dan Stevenson is a defensive and rebounding ace. Sam Gardner, hustling guard, is the Bulldogs chief playmaker.

The Beavers' opponents for Tuesday's game rate as one of the top small college teams on the Pacific Coast. Pasadena College has won nine of eleven games to date this season, three of the wins coming in the Redlands tournament.

Pasadena's three scoring leaders are Jim Bond, Eric Pyle, and Milt Wallace. Bond, who combines outstanding agility and quickness with an accurate shooting eye, is without doubt one of the best players in college basketball today.



Thursday, January 17, 1957

HOWARD BLOOMBERG, senior forward shown Chapman, will see action for Caltech against Redlands Saturday a the Beavers attempt to snap their losing streak. (Photo by Randall

A Campus-to-Career Case History



Frank R. Hoffman, B.S. in Liberal Arts, Hampden-Sydney College, '53

PERSONAL INTERVIEWS GRADUATES & UNDERGRADS

E.E., M.E., PHYSICISTS for Positions as

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Meet an Assistant Manager-Hampden-Sydney, '53

Frank Hoffman is Assistant Manager of the telephone office at Newport News, Va. Frank's office has about 25,000 ac counts, and handles \$360,000 worth of business a month.

He joined the telephone company in 1953, only three years ago.

"My wife worked there first," says Frank, "while I was still in college. What she told me, along with what I learned from friends in the business, pretty well sold me on the telephone company as a place to find a career. And the interview clinched it. The job opportunities were too good to refuse.

"I began in the Commercial Department, which takes care of business contacts with customers. The training was continuous and excellent. One of the most rewarding jobs I had was working on revenue studies involving estimates of population and telephone growth. This experience is really useful in my present position as Assistant Manager.

"I supervise the personnel who handle customer contacts. And I assist in the handling of our public relations work in the community. In the Manager's absence, I take over.

"It's a great job, full of opportunities and satisfaction. I like working with people, and I like to see my work contributing to the betterment of the community and the company. Choosing a career in the telephone business was the best move I've ever mad

Frank Hoffman chose a career with The Chesapeake & Potomac Telephone Company of Virginia. Interesting career opportunities exist in other Bell Telephone Companies, Bell Telephone Laboratories, Western Electric and Sandia Corporation. Your placement officer has more information about them.



Sagehens hand Beavers second conference loss

Caltech's varsity basketball team absorbed its thirty-first consecutive loss Tuesday, dropping a 61-34 decision to the Pomona-Claremont Sagehens on the victors' court. The loss was Caltech's Claremont Sagenens on the victors court. The loss was calculated second in two SCC starts this season. Inaccuracy from the free throw line in the first half cost the Beavers any chance they had to stay in the ball game. Caltech hit only one of ten

free throw attempts in the first half, and their total score for this period was a meager 13 points. While the Sagehens did not exactly burn up the nets in the first half, their total of 28 points was enough to put them out of reach of the Beaver hoop sters.

Beavers hit cold streak

Pomona-Claremont got off to a good start, scoring ten points before center Larry Kraus scored Caltech's first basket. Caltech pulled to within four points of the Sagehens, trailing 15-11 with eight minutes left in the first half. Then the Beavers ran into one of their frequent cold streaks, scoring only two more points in the period.

Close third quarter

The third quarter was evenly played, with both teams match ing Caltech's first half total of 13 points. The Beavers found the range on free throws in the second half, and Jim Welsh's drive-in tactics drew repeated fouls from the Sagehens. Kraus helped Caltech by controlling more of the rebounds than previously in the game.

Kraus leads scorers

Kraus took scoring honors for the contest with eleven points. Ron Zumbrun, Sagehen scoring

ace, was held to ten points by the Beavers defensive work, but was still high point man in the well-balanced Pomona-Claremont attack. Dick Partch and Mike Gray scored eight each for the Welsh Sagehens. was second high for Caltech with six points.

BOX SCORE

Caltech

	ig	ft	pf	tp
Bloomberg, f	0	-0	0	0
Converse, f	0	0	1	0
Van Kirk, f	2	0	0	4
Kraus, c	4	3	0	11
Rauch, c	0	1	0	1
Welsh, g		4	4	6
Bass, g	0	0	. 0	0
Nelson, f	2	0	3	4
Newman, f	2	0	1	4
Patapoff, g	1	0	3	2
Magdaleno, g	0	2	3	2
Workman, g		0	Ò	0
	_			_
Totals1	2-	10	15	34

Player	fg	ft	pf	tp
Gray, f	1	6	4	8
Stutzman, f	1	3	0	5
Partch, f	2	4	3	8
Smithwick, f	2	2	3	6
Nichols, f	1	3	1	5
Mooney, f	0	0	0	0
Toomay, c	2	0	0	4
Tetley, c	-3	-0-	2	-6-
Meyer, g	4	1	1	9
Robinson, g	0	0	0	0
Zumbrun, g	5	0	3	10
Jones, g	0	0	0	0
7.	_		_	

.21 19 17 61

Halftime score, Pomona-Claremont 28, Caltech 13.

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WHAT IS A MAN WHO WON'T USE ANYTHING BUT A MATCH AT UGHT-UP TIME? (SEE PARAGRAPH AT RIGHT)



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Satellite essay contest offers \$5,000 first prize money

may win as much as \$5,000 by entering the Vanguard Satellite Contest, which requires 1500 to 2500 words on some problem concerning the design, manufacture, or use of orbited satellites.

The contest, which closes March 1, will also give prizes of \$2,500, \$1,000, and seven honorable mentions of \$500 each. Both technical and non-technical pre-

Sophs to frolic at Waterman Sunday

sophomore class will frolie in the snow at Mount Waterman Sunday. A caravan of dates and stags will form at the beginning of the Los Angeles Crest Highway at 9:30 a.m.

The party will be over when everyone is tired and ready to come back. The people going are to bring their own lunches, and hot chocolate will be available, as will skiing and tobogganing. Toboggans will be rented, but the individual must bring his own skis. If there is no snow, sophomores will be notified by Friday.

HUNGARIANS

(Continued from page 1 Thus far, the students have been touring the United States under the joint auspices of the World University Service and the magazine Sports Illustrated. Owing to the initial response of American students at the time of the mass uprisings and subsequent migration from Hungary, WUS has commented that student-initiated action to raise funds for the students in this country would be unnecessary at present.

INTERVIEWS
ChE, Ph; BS, MS/ME, EE; Jrs/
Ch, ACh, Ph, ME, EE for Summer Minnesota Mining & Manufacturing Company, St. Paul or Southern California.

Wed., Thurs., 23, 24—BS, MS, PhD/ChE, ME, Ch; BS, MS/EE, CE; PhD/Ph Standard Oil Company of California & California Research.

Wed., Thurs., Fri., 23, 24, 25—BS, MS, PhD/Ae, CE, EE, ME, (Continued from page 3)

Ma, Ph; Jr./Ae, CE, EE, ME, Ma, Ph Douglas Aircraft Company, Inc. Recruiting for all Douglas Divisions.

Thurs. 24-BS/ME, EE, ACh, CE Ingersoll-Rand Company.

Thurs, Fri., 24, 25—BS, MS, PhD/EE, ME, Ph, Ma International Business Machines.

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ceptable. The Martin Company of Baltimore, the sponsors of the contest, will not furnish source material. Winners will be announced on July 1, the first day of the International Geophysical Year.

Additional information and entry blanks may be obtained from Dean Bohnenblust or Dean Eaton,

Freshmen conduct class nominations

Nominations for freshman class officers were held today in Culbertson. As qualifications undetermined and the nominations themselves open, surprises might occur. All this week campaigning will continue with elections taking place next Thursday by ballot. The new officers will serve the remainder of the school year, at which time elections will be held for sophomore officers.

Barns, nurses on . social programs

The popularity of barns and nurses with the men of Tech is attested to by the two barn dances and three exchange dances with nurses homes scheduled this weekend by the five student houses.

Friday night, Blacker, Fleming and Ricketts each plan to have exchange dances with nurses from Huntington and L. A. County Hospitals.

Saturday, Fleming and Throop will cooperate to hold a barn dance at Sunland Park. Ricketts and Dabney will also hold a barn dance, at Mountain Oaks in La Canada.

Farrago is out!

Farrago, Tech's humor magazine, is out after many trials and tribulations. The magazine makes its belated appearance featuring an excellent story by Tony Demetriades called "Suc-cess Story" and a humorous cess Story" and a humorous apologia by editor John Velman for bringing out the magazine a month late.

SENIORS AND GRADUATE STUDENTS IN ENGINEERING, PHYSICS AND MATHEMATICS

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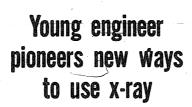
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A new x-ray inspection system which intensifies an x-ray image more than 10,000 times in brightness and transmits it to a conventional TV screen has been developed recently by General Electric. When perfected, it may enable medical specialists to perform "long-distance" diagnosis on patients in remote areas.

One of the principal men who developed x-ray television - called TVX for short - is Dr. John E. Jacobs, Manager of the Advanced Development Laboratory of General Electric's X-Ray Department in Milwaukee, Wisconsin.

Jacobs' Work Is Important, Responsible

As an electronics specialist, Dr. Jacobs' work in the past has been devoted to the study of photoconductors-substances whose properties change under the influence of radiation - and the use of x-ray in industrial inspection. This in turn led to his development of the x-raysensitive camera tube used in TVX. -

His present administrative duties with the Advanced Development Lab allow him more time for teaching others what he has learned. He now teaches the second-year graduate course at Northwestern in vacuum-tube networks, and has recently been named McKay Visiting Professor for 1957 by the University of California at Berkeley, where he will give a two-week series of lectures on photoconduction.

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Since his youth, when he was a licensed radio "ham," John Jacobs has been devoted to the study of electricity and electronics. Like each of our 27,000 college graduates, he is being given the chance to grow and realize his full potential. For General Electric has long believed this: when fresh young minds are given the freedom to develop, everybody benefits the individual, the Company, and the country.

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