New House Sign-up Begins January 18

The first phase in the colonization of the new Student Houses — the posting of sign-up lists — will begin a week from Monday, (January 18).

A sign-up list for each of the three new Houses, plus “sign-out” lists for the four present Houses, will be posted in Dr. Huttenback’s office until Friday, January 22. The lists are to be signed by everybody intending to move into the new House next fall and the old one.

This is the first step in the colonization procedure outlined by the IHC committee on new Student Houses and officially accepted by the faculty committee on Student Houses late last month.

The faculty committee also accepted the student committee’s non-controversial recommendation that freshmen rotation be eliminated next year.

After the colonization period has expired, a new generation of students will be selected to populate the new House. The selection of students will be made by the present House population. The precise procedure is under discussion by the faculty committee.

If departures of more than 15 percent from the ideal distribution of classes in each House exceed this phase, lots will be drawn to facilitate a more even distribution of freshmen.

This will take place, if necessary, the second week in February and the junior and senior class will not be required to participate in the drawing.

From four to 12 men per class per House will have to move if the House population deviates from “ideal” population. The precise figures will be included on the lists.

Other population decisions made by the committee include:

Freshman will be required to live in the House unless excused by the Dean. (This has been the “official” position for a number of years already.)

Only a 21-meal plan will be available to resident and non-resident House members.

Approximately 20 graduate students will be distributed among the seven Houses next year.

During third term, members of present Houses who plan to move into new Houses shall retain all privileges of their “old” Houses.

Room draws for the new House will be named Harry Chandler Dining Hall. The gift of $400,000 is from the Chandler family, the publishers of the Los Angeles Times, president of the Times-Mirror Company and the publisher of the Los Angeles Times.

Harry Chandler, publisher of the Times, president of the Times-Mirror Company and a pioneer Southern California civic leader, was a trustee of Caltech from 1920 until his death in 1944. Mr. Harry Chandler was a devoted friend of the Institute during his lifetime, and his son, Norman Chandler, is presently a member of the Board of Trustees.

The Harry Chandler Dining Hall will be completed in September 1969 and will be an important and distinguished addition to our campus,” Dr. Dudley said.

The dining hall, which will have a main room with a seating capacity of 220 and four smaller (Continued on page 3)

New House Plans Disclose Big Rooms, New Furniture

Larger rooms and newer furnishings will characterize the three new Student Houses which are being rushed for completion by next September. Miss Marjorie Cheney, Student House Manager, promises that the new present Houses will be relocated and refurnished to a comparable state eventually, but not by next fall.

All rooms in the new Houses will be the same size, 11'4 ft. long and 11'6 ft. wide. Most of these rooms will be used as doubles, but a few (the exact number has not yet been determined) will be singles. Each room will have one window, 6 feet wide and 4 feet high with three vertical sash, a large central pane which is fixed and smaller side panels which open up similar to the present House windows.

Each room will have two electric outlets near the floor at opposite sides of the room, another at the lower right of the mirror on the medicine cabinet, and other special outlets in the upper casing near the ceiling for connection to the TV and FM antennae which will be mounted on the roof. There will also be a telephone outlet in each room.

Fluorescent Lights

Two fluorescent light fixtures will be mounted flush in the ceiling. These lights will have two settings: bright study, and dimmer for ordinary use. There will be no floor lamps or overheads.

Each room will have a wash basin and closet facilities similar to those in the present houses.

The desks, probably with formica tops, will be 4 inches longer and 4 inches wider than the old wooden desk. The desks will have one center drawer and one deep drawer. All beds will be of the sofa type, 80 inches long and without headboards. Each room will have its own chair, of a more modern design than the present ones. A bulletin board will be provided for each room, bookshelves will be designed to be hung from the ceiling. They will have two shelves and a net area of 28 by 42 inches.

The windows will have drapery and they will be of a much better grade of material than the current ones.

Floors will be the same stained concrete as in the old Houses.

Each house will be divided into eight alices, four on each floor. Each alcove will contain three closets. There will be one storeroom in each house, but there will be no kitchenettes.

Three wash rooms are being built on each floor, each wash room to contain two toilets and four showers.

The new houses are built on a concrete slab, rather than in the courtyard style. This gives each house double glass doors. In a number of cases, two alcoves will be separated by double swinging doors.

National College Food Service

To Supply All Houses, Greasy

The College’s food service plans for the new houses were presented by Dr. C. L. Moler, head of the food service, to the Student Senate at its meeting Tuesday night.

By CLEVE MOLER

Sagas from the colonization specialty in seeking college students, will take over the planning and preparation of meals in the seven Student Houses next fall.

This welcome announcement was made by George Green, Institute Vice-President for Business Affairs, in an interview with the California Titan. Final approval of the change was made Monday by the Board of Trustees.

Room Fees Boosted

An increase of between $50 and $100 a year in Student House room fees was also announced by Green. The present rates of $200 for a small double and $250 for a single will be increased to a uniform $300, applicable to all seven Houses. (A few large singles in the new Houses will be worth $425 a year.)

The food costs will remain at $50 under Saga. This will bring the total House bill to $885 a year.

Green listed rising costs and the switch to normal occupancy as the causes of the increase. He pointed out that it is the first hike in 3 years and he hopes to leave it at the $365 figure for at least another 3 years.

Saga at Redlands

Saga Foods handles the food preparation at a number of colleges around the country, including Redlands locally. Green said that he has investigated many plans for improving house food and found Saga to offer the best possibilities. “But college feeding is the worst job in the world,” he cautions. “Don’t expect this plan to eliminate all complaints.”

Reports from many of the colleges served by Saga indicate that the quality and service are very satisfactory by the students.

Saga will also handle operation of the new Chandler Dining Hall. They will begin with replacement of Mrs. Lyall’s administration of the Greasy next year.

Miss Cheney will continue in her position as manager of the Student Houses. She will as Executive Director of Student affairs, in an interview with the Times, president of the Times-Mirror Company.

Student welfare waters will also be retained, although it will be Saga’s first non-cafeteria operation.

Additional regulations will be made and there will be opportunities for student em- ployment by the new group.

All other Institute personnel involved in the food operation work in the Institute and have the opportunity to go to work for Saga.

Chandler Gives $400,000 For Cafeteria

Caltech has received a grant for a new dining hall, to be named Harry Chandler Dining Hall. The gift of $400,000 is from the Chandler family, the Times-Mirror Company and the Plattinum Foundation.

Harry Chandler, publisher of the Times, president of the Times-Mirror Company and a pioneer Southern California civic leader, was a trustee of Caltech from 1920 until his death in 1944.

Dr. Paul Tillich of Harvard University will speak tonight at 7:30 in Dabney Lounge on the topic “Modern Science and the Problem of Religion.” Dr. Tillich will have dinner in Blacker before moving to Dabney Hall.

Tillich is a University Professor at Harvard and is one of the foremost contemporary Protestant theologians. The title of University Professor at Harvard is reserved for particularly distinguished scholars who are free to pursue their studies without restriction.

Tillich was born in Prussia as the son of a Protestant minister, and has held high teaching positions at the famous universities at Marburg, Gottingen, Berlin, Leipzig, and Frankfurter-Main. His opposition to the Nazi regime forced him to leave the country upon Hitler’s rise to power. He came to America in 1933 to teach at Union Theological Seminary; when he retired

Theologian Paul Tillich Speaks in Dabney Lounge Tonight

From Union in 1944, he accepted an invitation to join the faculty at Harvard Divinity School. He has written a number of books, including Systematic Theology,” “The New Being,” and “The Dynamics of Truth.”

(More on Tillich, Page 2)
Visitors And Money

Second term means two things to the California Tech and to its readers. First of all it's the term for campus visitors. Beginning with Paul Tillich tonight the campus and hence the pages of the Tech will welcome at least one distinguished visitor a week during the next three months. In addition to our regular guests, there will be four men from the American University Field Service (one next week), a Haynes Foundation lecturer, and a couple of the Y's Leaders of America.

All will be interesting to see, listen to and interview, so you'll be hearing a lot about them.

The most interesting of these visitors could easily be Paul Tillich, even though he'll be here only a few hours. Anybody who has ever wondered about the part religion and philosophy plays in his life should find Tillich's talk in Dolben tonight worthwhile.

And second term also brings job recruiters. To the California Tech this means miles of advertising. These ads will be good reminders of coming interviews, since they all carry the interview dates. And they're a good way to get a first look at the company.

Besides, they provide three-quarters of our income.

No More Lice

We were all set to carry out a big editorial campaign this term against Student House food. But, as this week's lead story shows, we've procrastinated ourselves out of a project.

This doesn't mean we are not happy—elated, in fact—about the prospects of having better food next year. We've heard better food next year.

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Caltech Conference Ponders Bomb Tests

Feasibility of non-detectable nuclear tests and the age of the universe were among topics discussed at the western meeting of the American Physical Society, held at Caltech December 28, 29, and 30. Over 800 scientists attended and about 160 papers were presented during the three-day confab.

Non-detectable nuclear tests were discussed in papers presented Tuesday afternoon to a capacity audience in the McKinley Auditorium. According to Ernest A. Martinelli of the RAND Corporation, an independent research group, a kiloton atomic explosion can be made undetectable to a seismic station more than 100 kilometers away by detonating the bomb in a large cavern several thousand feet underground. If the cavern is large enough, it will absorb the blast and not collapse enough to produce a noticeable earthquake. In other papers, Harold Brown of the RAND Corporation, an independent research group, said that different theoretical interpretations of uranium and thorium radioactive decay yield ages for the universe which differ by a factor of two—from 13 to 17 billion years or from 5 to 11 billion years.

Folk Singers Here Monday

A folki-singing group called "The Pearls" will entertain Monday, 7:30 p.m., in Culbertson in place of the first Y film series of the term.

The group consists of Betsy Griffith, five other singers, piano, and drums. The Pearls specialize in gospel singing.

Wierd Sounds Invade Dabney

The Elizabeth Waldo Ensemble will be featured Sunday, 8:15 p.m., in Dabney Lounge with a program of weird music to include: "Ode to Quetzalcoatl," "Meso-American Suite," "Andean Impressions," and "American Southwest."

The group consists of a violin, strings, woodwinds and drums.

Paul Receives Award For Book

Dr. Arnold M. Paul, instructor in history for 1887-1895, has received the Albert J. Beveridge Award for 1960 in recognition of his book, "Conservative Critics and the Rule of Law: Attitudes of Bar and Bench, 1897-1905," which will be published next year by the Cornell University Press.

The Beveridge Award is granted each year by the American Historical Association for the best manuscript on the history of the Western Hemisphere.

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Special new HIGHEST POROSITY cigarette paper

Invisible porous openings blend fresh air with each puff for a safer, fresher, more flavorful smoke

Salem research creates a revolutionary new cigarette paper that breathes new refreshing softness and flavor into the smoke. Now, more than ever, there's Springtime freshness in every puff of a Salem. Smoke refreshed...smoke Salem.

• menthol fresh  • rich tobacco taste  • modern filter, too

NOW MORE THAN EVER Salem refreshes your taste
1959 Through Rose-Colored Ear-drums

BY PIERRE SUNDBORG

A popular occupation for columnists in the time of our year seems to be writing about the glorious events of the year just ended. For a person writing about the hi-fi business, it can be a most rewarding task, because this industry is constantly amazing in its ability to change and confound. If it is rather shaming to me to consider that hi-fi didn’t exist even 12 years ago, and that it now accounts for several millions of dollars of sales annually. A truly prodigious child!

Stereo Discs

I remember that it was less than a year ago that I went to the Los Angeles Audio Show to hear the almost new stereo diacs. My guess is that the cartridge which I bought only a few days prior to the show will be a bargain. We asked for, and got in huge abundance, new stereo reproducing equipment.

Tape Cartridge

Another major development of the year, which we don’t see in this technical atmosphere on campus, was the tape cartridge. Colleagues men don’t mind threading tape through the slots and around the wheels in a tape deck, but housewives do. So, RCA and others got into the production of little “cartridges” which contain tape. The cartridges just plug into the tape deck and play, no mess around. My guess is that the cartridge will be around for several years to come, because of compatibility problems. Back in 1959 we didn’t think stereo diacs would ever work.

20,000 Tiny Tapes

The other big development in the tape field during the year was the popularization of quarter-track tape, which was designed to meet the competition of records on the stereo field. Quarter-track tape plays stereo in both directions (you can light either end), giving twice as much music per dollar of tape cost. While it still costs more than records, it’s at least back in the same ballpark.

1960 saw a few critics asking why stereo records should cost $1.00 more than monophonic. They cost no more to press, package or advertise. All records—or tapes—start out the same way, so that isn’t a factor. Anyway, I trust that 1960 will be the year in which stereo record prices drop.

During the year a lot of emphasis was put on high-compliance, or acoustic suspension, loudspeakers. This was probably due to the fact that it takes two speaker systems for stereo, and a lot of people began scream-
New ‘Greasy’
(Continued from page 1)
rooms each seating 30 diners, respectively. The Caltech friends, in fact, will call it the "Greenhouse." Mendel contributed much to Caltech’s growth. He was one of the persons instrumental in bringing to Caltech from the University of Chicago Nobel Laureate Robert A. Millikan to serve as president of the Institute’s executive council. He also helped organize the Caltech Association, an organization which has intently supported the Institute, financially and otherwise.

The Harry Chandler Dining Hall is the latest project to be financed in Caltech’s $18,500,000 development program. Two more undergraduate houses, now nearing completion, remain unfinished.

...WITH AC’s

New R & D laboratory in Los Angeles

Because of GM’s large defense contribution toward technological superiority, AC accepts a challenge. AC Research is on a quest for significant scientific concepts. Based on past accomplishments—such as Observe, the current challenge for Titan—AC will solve problems. You may qualify for our specially selected staff if you have related experience plus a B.S, M.S or Ph.D in EE, Math or Physics.

ADVANCED GUIDANCE SYSTEMS DESIGN—Analysis and synthesis of advanced guidance systems for aircraft, ballistc missiles and space vehicles. Analysis and simulation of space navigation, space kinematics and trajectories. ELECTROMECHANICAL SYSTEM DESIGN AND APPLICATION—Analysis and design of ultra-precision electromechanical and electro-optical systems. Specific experience in the design and testing of guidance systems sensors such as gyros, accelerometers, and star trackers is desired. TRANSPORT DESIGN AND APPLICATION—Analysis and design of translated analog and digital circuits and systems for application in inertial guidance systems. Excellent opportunities exist for engineers experienced in the design and application of digital systems to apply their knowledge to the design of advanced guidance systems. SYSTEMS ENGINEERS—Analysis and mechanization of advanced guidance systems for satellite stabilization, space guidance, and ballisitic missiles applications. Experience in the analysis and design of control and systems, and familiarity with analog and digital computer techniques is desired. ELECTROMECHANICAL TECHNICIANS—Previous experience in design, application and testing of ultra-precision electromechanical and electro-optical components such as gyro, accelerometers, and star trackers. Experimental lab work offers an opportunity to use individual initiative and past experience. ELECTRONICS TECHNICIANS—Design, fabrication, and evaluation of inertial guidance components and systems. Experience in transistor electronics and the use of experimental laboratory test equipment is desired.

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JANUARY 12, 1960

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Ravenholt To Discuss China

Albert Ravenholt, American University Professor of Philosophy and expert on Southeast Asia, will be on campus next Monday, Thursday and Wednesday for a series of speeches and informal discussions on Communism and Nationalist China.

Ravenholt has studied and written about Asia since 1940 and has spent a total of seven years in the area. He served throughout World War II as a correspondent in China, Burma, India, Indonesia, and the Philippines, and afterwards spent two years observing first-hand the Communist movement in China. Since 1948 Ravenholt has written for the Chicago Daily News, Foreign Service, through which his articles have been syndicated to numerous daily newspapers in the United States and Canada. He has also written for Foreign Affairs, and The Report magazine.

Other A.U.P.H. men to visit Caltech this term will be Richard Prutch from Bolivia, Lawrence Olson from Japan, and Edwin Monger from Africa.

Grad Student Dies In LA Mountains

A biochemical grad student, Konrad Hubele, was found dead in his car on Angeles Crest Highway last week. He is thought to have frozen to death, having apparently been unconscious from an overdose of an experimental remedy for multiple sclerosis which he was known to have been administering to himself.

Hubele was a native of Germany. He did his undergraduate work in chemistry at UCLA, received a master’s degree from Caltech, and was working for a Ph.D. under Dr. Carl Niemann, professor of organic chemistry. Hubele had been granted a one-year leave of absence last October because of his multiple sclerosis.

Stanley Discusses Communication

Edward Stanley, director of public information for the National Broadcasting Company, spoke on the subject "Modern Man— the Creature of Modern Communications" Tuesday night in Dabney Lounge.

Fifth Column

BY BRAD EPHRON

Overheard in Statistics Class: ... and that the methods of statistics will offer incalculable aid. Mr. Mendel offered his experimental results to fit a perceived theoretical model. ... scene: an Augustinian monastery in Southern Germany. It is midnight as a lonely figure works slowly through the rows of pea-plants.

MENDEL: (singing softly to self) ... oh, weed out the bad ones, water the good ones, and don’t mess with mister in between ... da dam de dum ... into the mutant bag with you and you and you ... voice: evening, Brother Mendel.

MENDEL: (aside) Jiggit’s the bishop.

BISHOP: Still purtinger with those damn peas, brother? It’s long past sandtime.

MENDEL: Monks may work from sun to sun, but Abbot’s work is never done.

BISHOP: Has, has, has—pretty rich. Wait’ll I tell the boys at Convention? Irony, Mendel, irony. You’re way past due on the convenient monthly pension.

MENDEL: Wait! I tell you my theory is correct! What does the public know about statistics? A couple lousy beans too tall, some seeds that wouldn’t shoot quite enough, and right away they start talking. You know what they say, Mr. Bishop? I’ll tell you what they say ... "psssst — have you heard? Mendel’s slipping— his theory don’t work like it used to. That’s why Lammarch isn’t so dumb after all . . ."

BISHOP: So you felt justified in pulling a fix?

MENDEL: Not a fix—just a little added dramatic interest.

BISHOP: That’s a pretty rich tither.

MENDEL: What?—Oh, weed out the bad ones, water the good ones, and don’t mess with mister in between. da dum, de dum ... into the mutant bag with you and you and you ...
The California Tech

SPORTS

Cagers Face Important Games

The Caltech basketball team renews this season's campaign this week with three important games scheduled during the next five days.

This afternoon the Beavers journey eastward to tangle with La Verne in a game scheduled to begin at 4:15 p.m. La Verne's record on the season is 28-1, with one of the victories over SCIAC member Claremont-Harvey Mudd, and the other over weak Uplands, nearly completely on one forward and the center for their strength, both offensive and defensive. If Caltech can contain these two players, the Beavers should overcome La Verne's home court advantage and walk away with the win.

Saturday night the local varsity meets Claremont-Harvey Mudd in the season's first conference test. The CMU Stags have lost to most everyone this year, including Riverside and Cal Western, and would not be as tough as La Verne. According to sources at Pomona, however, the stag team is really "up" for Caltech, and the Beavers be caught napping, Claremont might surprise them.

The first conference game to be played at home is scheduled for next Tuesday night at 8 p.m. again Redlands University, the Bulldogs, though not as tough a last year, are still a strong team and should give the Beavers plenty of trouble. One of their forwards, Schneider, is averaging close to 35 points per game, and the rest of the team is solid and dangerous.

The Beavers are in good shape for all three games, as nearly all the injuries that plagued the Beavers, probably costing them the Riverside game, are healed.

Confidence And Victories — Two New Friends

There has been a change in Caltech sports this year. Not an obvious, earthshaking change, but still one of great importance. It all started last spring when the swimming team won both the varsity and freshman conference titles quite handily. Since then, for all sports, while there is an actual optimism about the outcome of sports events.

With the exception of the football team, every Caltech squad this year has expected to do well; and, surprisingly enough, every Caltech team except the football team has done well.

The water polo team, which suffered tremendously from the graduation of All-Conference goalie Don Wiburg, actually played above their ability to finish third in the conference. No Techmen over their second game with Tech a bit too lightly, went down to defeat to the J.V.'s.

Basketball Team Displays Same Spirit

This term we have still another team with spirit. The Caltech basketball team-engineers, and expects success, to win at least two-thirds of its games this year and finish no worse than third in the conference. And the funny thing is, they just might do it. If the Beavers can get off to a good start this first week after vacation, it might provide them with the impetus to do very well.

Saturday night the Beavers start their league campaign at Claremont. This league game could well be the most important game for the team all year. A victory probably will mean that the Beavers will win between 10 and 15 games this year; a loss might well lead to another season such as last year's, when the Beavers ended up with two wins in 18 games.

Looking deep... into the nature of things

At the General Motors Research Laboratories, physicists employ radioactive isotopes and other ultra-modern techniques and tools in their search for new scientific knowledge and an understanding of the many laws of nature that continue to perplex mankind.

Although a lot depends on a man's ability, enthusiasm and growth potential, there's every chance for advancement in many fields for General Motors scientists and engineers. There's virtually no limit to opportunity at GM. Fields of work are as varied as radioactive isotope research, astronautics, automobiles, aircraft engines and inertial guidance systems — to mention, but a few.

If you wish to pursue postgraduate studies, GM offers financial aid. And since each GM division is autonomous yet related, you can grow in two directions — up through your own division, or to the side to other divisions.

For an exciting, rewarding career, see your Placement Officer or write to General Motors. Salaried Personnel Placement; Personnel Staff, Detroit 2, Michigan.

General Motors

GM positions now available in these fields for men holding Bachelor's, Master's and Doctor's degrees: Mechanical, Electrical, Industrial, Metallurgical, Chemical, Aeronautical and Ceramic Engineering, Mathematics, Industrial Design, Physics, Chemistry, Engineering Mechanics, Business Administration and Related Fields.

Job Opportunities! A General Motors representative will be on campus

January 11, 12

Contact your college placement office to arrange an interview.

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Friday, January 7, 1961

"The Man Who Saw God"

Is Steve Allen's favorite joke. He read it in the Realist, a unique magazine of freethought criticism and satire. Serious articles on inter-faith marriage; the psychology of myth; anticontraceptive laws; the semantics of God; a poem that caused a campus controversy; Satirical excerpts of political language; H-bomb tests; the FBI, the CIA, the AFA, the AMA. Columns on church-state conflicts; censorship trends. The 3 issues described cost $1. They're yours free with a subscription. Rates: $8 for 10 issues; $15 for 25 issues.

Looking deep... into the nature of things

At the General Motors Research Laboratories, physicists employ radioactive isotopes and other ultra-modern techniques and tools in their search for new scientific knowledge and an understanding of the many laws of nature that continue to perplex mankind.

Although a lot depends on a man's ability, enthusiasm and growth potential, there's every chance for advancement in many fields for General Motors scientists and engineers. There's virtually no limit to opportunity at GM. Fields of work are as varied as radioactive isotope research, astronautics, automobiles, aircraft engines and inertial guidance systems — to mention, but a few.

If you wish to pursue postgraduate studies, GM offers financial aid. And since each GM division is autonomous yet related, you can grow in two directions — up through your own division, or to the side to other divisions.

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GENERAL MOTORS

GM positions now available in these fields for men holding Bachelor's, Master's and Doctor's degrees: Mechanical, Electrical, Industrial, Metallurgical, Chemical, Aeronautical and Ceramic Engineering, Mathematics, Industrial Design, Physics, Chemistry, Engineering Mechanics, Business Administration and Related Fields.

Job Opportunities! A General Motors representative will be on campus

January 11, 12

Contact your college placement office to arrange an interview.

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**Solid, Experienced Seniors Make Blacker Tennis Pick**

Dahney, defending Interhouse champion, holds a slim margin over second-place Fleming in the current Interhouse standings, revised to include first-term results.

After a rocky start, the Darbs pulled a mild surprise in coping with the swimming meet to move out in front with 60 points. Fleming, winners of Interhouse cross-country, tied for second in solid, experienced Seniors out the field in the swimming champion, holds a slim margin Blacker and Ricketts rounded Fleming, winners of Interhouse meet with fourth and fifth places.

Admission price, according to the Thursday, January 14, 1960, results.

**Froshballers Win Two Straight**

The Caltech freshman basketball squad grabbed two quick wins in their opening games at the end of last term. After whipping the Riverside junior varsity, 68-53, the little Beavers hosted the L.A. Pacific varsity, beating them more easily than the score indicates, 58-48. The frosh demonstrated fine depth and a well-balanced attack. Coach Ed Preissler has found himself in the happy position of having at least 10 men who have the ability to play well. This allows the Beavers to have rather liberal substitution, for the first time in many years.

Several players have looked good in the first two games. Center Mike Perleman has averaged close to 20 points a game, and forwards Pete Fischer and Tom Bopp have demonstrated good scoring skill with excellent rebounding. Perleman has also

**Cage Games To Be Free**

There will be no charge for any of the home Caltech basketball games this season. It was announced by Athletic Director H. Z. Munselman. All spectators, including non-Caltech people, will be admitted free.

League games away from home will be free for Tech students if they present a stub attached to their student body cards at the gate. The stubs are only needed at games away from home.

Non-league contests played away from home will have some admission price, according to the desires of the home school. Most schools charge students 50 cents.

**Basketball**

(Continued From Page 6)

All-Conference guard Fred Newman has recovered from his broken rib and is batting accurately again.

Starting guard Larry Brown, who suffered from a twisted ankle earlier in the season, is now in top shape.

Letterman Dave Blinkenmore is still suffering from his sprained ankle, but it is improving with every practice.

Guard John Arndt, who had to sit out the Riverside game with flu, is now all right.

All in all, the Beavers are ready for their foes, and plan to win at least two of the three games coming up. With luck, they could win all three, and spend the first week of the conference season perched atop the standings.

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IBM invites candidates for Bachelor's or Master's Degrees to discuss opportunities in Product Development and Research on January 14 and 15 and Applied Science and Marketing on January 21 and 22............ positions throughout the United States.

Laboratories and manufacturing facilities are located in Endicott, Kingston, Owego, Poughkeepsie, Yorktown, N. Y.; Burlington, Vt.; San Jose, Calif.; Lexington, Ky.; and Rochester, Minn. Corporate headquarters is located in New York, with 192 branch offices in cities throughout the United States. The IBM representative will be glad to discuss with you the type of career of particular interest to you. IBM offers:

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- Opportunities for a wide range of academic backgrounds and talents.

Contact your College Placement Officer to arrange an appointment for a personal interview with the IBM representative.

If you cannot attend the interview, call or write:

Mr. T. E. Buckley, Branch Manager
IBM Corporation, Dept. 868
P. O. Box 1430
Glendale 3, California
CI 6-1651

**Sailors Fifth At Newport; Matthews Western President**

Light wind proved Caltech's undoing as the Beaver sailors dropped to sixth in the Pacific Coast Intercollegiate Yachting Championships on December 19 and 20. In addition to Caltech, the University of California, the University of California at Santa Barbara, Stanford, Orange Coast College, Occidental, and Pomona-Claremont participated in the meet held at the Newport Harbor Yacht Club.

Led by skipper Tom Bowman and Lowell Clark, the Beavers were close to the leaders on Saturday, and were only .8 points away from the board.

The freshmen have several competent guards, all of whom can handle the ball and set up plays more than adequately. Tom Anderson has been a standout in his floor play.

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INTERVIEWS AT CALTECH
Tuesday and Wednesday January 12 and 13
For undergraduate and graduate students majoring in:
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plus graduate students majoring in
PHYSICS AND MATHEMATICS
CONSULT YOUR PLACEMENT OFFICE FOR FURTHER DETAILS

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