A SCIT Picks New Wheels On Feb. 21

Nominations for all positions on the ASCIT, the editor of the California Tech, and secretary of the Board of Control will open Monday at a student body meeting in the BOD room, 7:30 p.m.

Nominations will remain open for five days. Elections are Feburary 21.

Candidates for ASCIT president and vice president must be current juniors. Candidates for representative at large must currently be freshmen. All undergraduate students must be in their fifth year of a four-year course, are eligible for the rest of the posts.

According to the ASCIT bylaws, the duties of the officers are as follows:

President: Official representative of ASCIT, preside at student body meetings, run the business of the BOD, member of ExCom and the Athletic Council, ultimately responsible for club finances.

Vice President: Play president in the absence of the latter, chairman of the Board of Control, responsible for continuing the Honor system, member of BOD.

Secretary: Keep and post minutes of ASCIT meetings, third in command, member of BOD.

Treasurer: Keep track of where the money comes from and where it goes, member of BOD.

Business Manager: Report on status of student body publications, in charge of Board room and all ASCIT property, issue publicity about ASCIT to outside world, chairman of Honor Point committee, member of BOD.

Activities Chairman: Organise and present assemblies, keep track of cheerleaders, dance class, bands, glee clubs, and other activities, member of Honor Point committee, member of BOD.

Representative at Large: Run a blood drive and a charities drive, maintain a calendar of events, member of BOD.

The editor of the California Tech and the secretary of the Board of Control do just what their titles imply. They are not members of the BOD.

The California Tech hopes to publish detailed interviews with the ASCIT presidential and vice-presidential candidates in the February 16 issue, in lieu of the

(Continued on Page 3)

Frosh Re-choose Calma, Conant

Jacques Calma and Spicer Conant were elected as the Frosh representatives to the Board of Control in a special run-off election held last Thursday. Calma and Conant will hold their offices until the end of third term, when general class elections will be held.
YMCA Plans Coed Retreat

In its annual attempt at co-education, the Caltech YMCA is sponsoring a retreat with the University of Southern California YMCA.

The retreat, to take place the weekend of February 24-25, will be held at the Firestone Boy Scout Camp in the mountains east of Whittier. About 35 Techmen and 35 SC girls will attend, plus faculty members from both schools.

Subject of the retreat will be a play by Christopher Fry, called "A Sleep of Prisoners." The play will be presented in sections by the YMCA Traveling Players, headed by Al Green, local assistant secretary, and there will be discussion groups after each section is presented.

"Sleep" is a story about soldiers imprisoned during a war. They are kept in the same cell, and the play recounts the dreams one soldier has during a night. Each dream involves only the dreamer and the other soldiers, and each is patterned after some story in that reliable old plotbook, the Bible. This makes for a "searching analysis of modern life," says Green.

Besides "Sleep," the conference will feature fun and games with SC girls. On the agenda, besides discussion groups, are square dancing, hiking, and parlying in general.

Sign-up lists will be posted somewhere in the future in the Y Lounge. Watch the Tech for further details. Also watch Carlo Rovinelli, who is in charge of the conference and who would appreciate help.

CAREERS IN LARGE-SCALE SYSTEM ENGINEERING ...the new technology

The MITRE Corporation offers graduating engineers and scientists special opportunities to broaden their disciplines along new avenues in computer-based, real-time system engineering.

Electro-Optical and development at MITRE unites a wide spectrum of disciplines in the design, analysis and integration of electronic environments. These are composed of complex interacting communication networks, radar systems and high-speed digital computers. Each discipline is a unique function in itself, connected and displayed data essential to high-level decision-making.

MITRE is technical and system engineering consultant for aerospace Command and Control Systems being developed for the United States Air Force; and also for an experimental Air Traffic Control system commissioned by the Federal Aviation Agency. In integrating the contributions of the electronics industry, MITRE, in a literal sense, places staff members at the center of the nation’s electronic capability, affording professional and personal growth.

Employment opportunities exist in:
- Electronic research and development of computers, communications and radars
- Operations Research
- Advanced Systems Analysis
- Feasibility Studies

CAMPUS INTERVIEWS

Thursday, February 16

SEE YOUR PLACEMENT DIRECTOR TODAY to arrange a convenient interview.

ASCIT Nominations Next Week

Do student-faculty relations need to be improved, and, if so, what part can ASCIT play? What changes do you foresee in the ASCIT budget? Why do you feel you are more qualified for the office than your opponent? What do you see as the job of the ASCIT president?

ENGINEERING STUDENTS TO DISCUSS INDUSTRY CAREERS

Students majoring in chemical, mechanical, or electrical engineering are now scheduling appointments to obtain information on Food Machinery and Chemical Corporation, a major national manufacturer of diversified machinery and chemicals. Company representatives will visit the campus on February 7. Arrangements for individual interviews may be made through the local college placement office.

PROFESSIONAL POSITIONS of an exceptional calibre for

PHYSICISTS

ELECTRICAL ENGINEERS

MECHANICAL ENGINEERS

Electro-Optical Systems is a research and development organization engaged in furthering advanced technological concepts for military weaponry, space and industrial industry. The company’s distinguished programs, which emphasize the study of fresh ideas and carry them through to development of prototype hardware, have now rewarding opportunities for well-qualified graduates and post-graduates interested in applying themselves with a dynamic, expanding organization. Exceptional openings now exist for men with interest or experience in the following:

E. M. RADIATION PHYSICS

MICROELECTRONICS

SOLID STATE SPECTROSCOPY

ION AND PLASMA RESEARCH

THERMIONIC EMISSION

ENERGY CONVERSION TECHNIQUES

RE-ENTRY PHYSICS

QUANTUM ELECTRONICS

HEAT TRANSFER

ELECTRO-CHEMISTRY

SURFACE CHEMISTRY

ELECTRONIC SYSTEMS

Appointments for interviews on Monday, February 6, can be arranged through the Student Placement Center.

ELECTRO-OPTICAL SYSTEMS, INC.

125 NORTH VINEO AVENUE, PASADENA, CALIF.
**Exodus’ And Athletics Deal Smashing Blows**  By ROGER NOLL and JAMES JOHNSON  ITEM: “Exodus” transferred from paper to screen with little change in quality.  COMMENT: Leon Uris’ book comes across like a deodorant commercial. The movie fares no better. Depicting a commercial. The movie fares no better. Depicting an inferior race as actually blows into fantastic proportion. The movie will be “Night of Ibribian,” an Italian award winner describing life in Rome and the tragedy of the life of a streetwalker there. With it will be “The Adventures of Captain Merton,” a modern art interpretation by John Hubley.  Student Memberships are available on the first night, for $4. Individually, each performance, seats permitting, will be $1.  **A GUIDE FOR THE DATELESS**  With the cost of dating rising higher and higher it is no wonder that so many of us men are turning to disc throwing. Naturally, we would prefer running warm coeds to flipping cold dice, but who’s got that kind of money? Prices being what they are, many men today has a single ticket or eating. Unless the average man happens to be Finster Siglows. Finster came to college with the normal ambition of any average man—be wanted to find the perfect date and make his look. He looked long and carefully, and at last he found her—a tall, job named Kretchma Inskip, with hair like beach grass. He asked her for a date. She accepted. He appeared at her house that night, smiling, eager, and carrying a bouquet of modestly priced flowers. “Now then,” said Kretchma, tossing the shiny seash 5 to a pledge. “Where are we going tonight?” Finster was a man short on cash, but long on ideas. He had prepared an attractive plan for this evening. “How would you like to go out to the Ag campus and see the milking machine?” he asked. “Well,” she replied. “Wait, what would you like to do?” he asked. “Come,” she said, “to a funny little place I know just outside of town.” And away they went.  **Disarm Now For Survival**  BY DAVID FRUTCHARD  It is indescribably rare that any person of such a distinguished body as the San Francisco Chronicle here on campus: rare that he lives up to our expectations. Sir James, another one of our own, is the one who stands out. He is a soggy speaker, one of these rare individuals. The man has brains, the man has brains, the man has...speaking, Mr. Strachey proved himself to be no stronger to the pertinent articles of his argument. —possibly as a result of spending several days at the Rand Corp. Mr. Strachey’s arguments were not new, their logic, like his language, temporary. The thrust of his argument makes them exceedingly penetrat ing. Mr. Strachey accepts Mr. Kahn’s position that a nuclear war at the present time would not wipe us off the earth. But he argues that since one war wouldn’t finish us off, there would certainly be others. This, he says, makes it essential for us. In his paper, “Lose,” in our history if we are going to survive. To put it another way, he proposes that the United States eliminate its weapons which have a major strength because they are more capable of a retaliatory attack (such as vulnerable SAC bom bers) and commented upon these weapons will soon be obsolete anyway, so why not throw them away.  **Pflaum Talks (Continued from page 1)**  returned to Spain frequently. In 1940 he was assigned to investigating mission in Latin America and visited 20 of the republics and began a journey around the hemisphere. In mid-1941 Pflaum became one of the research organizers of a branch of which became the OSS. He joined Col. Donovan’s staff in July 1942 and had loaned to write on loan from his newspaper. After Pearl Harbor was bombed he was transferred to London under General Eisenhower for the United States to the British Ministry of Training and Production Executive. Later he returned to a Washington post in OWT and to his present position with full service from abroad. Since 1933 Pflaum has reported upon current affairs abroad with emphasis on Spanish and Latin American political events.  **Fine Films Again Shown At P.C.C.**  After a very successful fall season, Cinema Limited, Inc. will present a series of fine films this coming term. The shows will take place on Satur­ day evenings at 8:15 p.m. at Sox­ hall, PCC.  The first showing on Febru­ ary 1 will be “The Crane Are Flying,” a Russian film made in 1956. It is a tragic and dramatic story about people in Moscow during World War II, directed by Mikhail Kalatozov and won­ ner of the grand prize at the 1958 Cannes Film Festival. The second feature will be “N.Y., N.Y.,” a kaleidoscopic view of the great city. On March 19, “Mexican Bus Ride,” a Mexican film, will be presented. Another Ca n o n e s winner, this picture is a satire, brutal in parts, but at the same time deeply human. With it will be “The Kiss,” a spoof on love and the “boy meets girl” theme.  A French award winner, en­ titled “A Man Escaped,” tells the dramatic story of the escape of a young lieutenant in the Re­ sistance in 1943, imprisoned in Fort Monthe in Lyons. Presented with this, on April 22, will be “Surprise Boogies,” a series of abstract patterns with a background.  The only Ingmar Bergman picture in the series will be “A Lesson In Love,” to be shown on May 13. This is a comedy, light and romantic. But it loses none of the great insight that Berg­ man possesses. An English car­ toon will be shown, also. On June 10, the last showing of the series will be entitled “No More Kissing Aft er,” the movie, based on old, old, old traditions, is a modern art presentation that only a scientist can enjoy.”  **Pflaum Talks**  (Continued from page 1)
Caltech Astronomers Pinpoint Radio Star

What is probably the first true radio star ever found has been located by the Caltech Radio Observatory and confirmed by the Palomar Hale optical telescope at Palomar Mountain.

The stellar object is the most "odd-ball" star yet to be analyzed by spectroscopy. Its spectrum disclosed the existence of conditions that astronomers haven't yet fathomed. One possible interpretation is that the object is a remnant of a star that exploded a long time ago, or it may be a star in a hitherto unknown stage of evolution.

The object, known only as 3C-48, is believed to be a true star and perhaps not very far away. Other identified "radio stars" that produce natural radiation in the radio wavelengths of the spectrum are luminous gas clouds, entire galaxies of stars, galaxies in collision, or the shells of violently exploding stars. Our own sun is a radio source; but 3C-48's signal is probably more than 10,000,000 times stronger than the sun's signal.

If the star is surrounded by high-energy electrons traveling in a magnetic field at near the velocity of light, the resulting synchrotron radiation would produce both its light and its radio signal. The star's emission in the ultraviolet wavelengths is unusually high for its yellowish color, another indication of synchrotron radiation.

Thomas A. Matthews, senior research fellow in radio astronomy, obtained a very precise location for 3C-48. The position agreed with the most precise determination done at England's Cambridge radio observatory, but reduced the uncertainty of the position by a factor of six.

England's Jodrell Bank radio observatory had determined the diameter of the radio source to be less than four seconds of arc. A strong radio signal coming from such a small area produces what radio astronomers call an intense surface brightness. Matthews explained that this usually indicates peculiarity in the optically identified radio sources. For this reason he sought help from optical astronomers to obtain a photograph of 3C-48.

Dr. Allan R. Sandage, staff member of the Mt. Wilson and Palomar Observatories, directed the 200-inch Hale telescope at the location fixed by the Caltech Radio Observatory and obtained a photograph of a star that is accompanied by a faint, luminous cloud. The exposure required 90 minutes. Other photographs showed that the image of 3C-48 was that of a star.

Spectrograms showed a combination of emission and absorption spectral lines unlike that of any other star. The star or its gaseous envelope contains ionized calcium, ionized and neutral helium and possibly oxygen ionized many times. Many of the spectral features cannot be understood at present. An outstanding peculiarity is that the spectrum shows no hydrogen, normally the elemental fuel of stars and almost always seen in stellar spectra.
Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.

For Third Win in Row

Cagers Dump Riverside
For Third Win In Row

California Tech's varsity basketballers rolled to three straight wins during the past week, building up momentum for a rematch with Pomona on Saturday. The Beavers scored impressive wins over La Verne and Riverside, and in spite of a bad showing over Upland.

The Beavers avenged a loss to Riverside, whipping UCIR on the Caltech court, 75-46. The Beavers jumped off to an early lead, gradually increased it to more than ten points, and then slowed to that margin for more than half the game. With the score at 44-31 at halftime, the Beavers coasted to an eventual victory margin.
Marceau Bares Emotions, Life With Exciting Pantomimes

By Tom Tisch

Have you ever seen a hand talk, or a heel sound the breaking of a balloon? These are but a host of other exciting experiences that you could have been privy to had you been fortunate enough to see Marcel Marceau, the world's most famous pantomimist perform at the Huntington Hartford Opera.

Marceau's art — and it is art, sheer and undiluted — is strangely appealing. He indicates that its appeal comes from its simplicity and universality. The impression that he conveys to the audience is unique — laughter and tears occur simultaneously — and not classified with the shades of meaning that often cause the misinterpretation of spoken words.

Whether masquerading as the balloon vendor at the country fair, the side-show weight-lifter, a street-musician, or an elderly man sitting in a garden, Marceau's portrayal is both effortless and exciting. His pantomimes are drawn from the whole of human experience, reflecting the whole of human feeling, and cause the audience to actively participate emotionally in the mini-drama taking place on stage.

Marceau's entire background has been drawn from the art of mime. He himself says, "As a little boy, I sat entranced in a movie house as I watched those shining images (silent films) unfold before me. It was then that I determined to become a mime. To be capable of expressing a wealth of emotion in one look, one gesture, to be able to interpret the slightest nuance of the soul — was not that a prodigious ambition." And well he has done.

There are three sides to Marceau — at least three that are easily distinguished.

First, Marceau can be playful, teasing the audience with silent pictures and wordless gestures. Typical of this is his balloon blowing scene — a common experience — but wonderfully "told." Inflating a balloon with curved, outstretched arms, he proceeds to blow it up. Marceau is the epitome of concentration. A huge breath — the balloon grows — and breaks! No, not yet. Marceau peers slyly around the edge of the imaginary balloon.

Another breath, a bigger balloon — you can feel it about to break — but just at the "breaking point" Marceau stops, peeks again slyly at the audience with an "I fooled you" glance. Did the balloon break? — you bet it did, with a thump on the floor of Marceau's foot, and a relieved twitch on the part of the audience.

The serious side of Marceau is most effectively shown in his short interpretation of "Youth, Old Age, and Death," where, with silent sound and colorless paints, he shows at once the vivacity of youth, the accompanying calm of maturity, the serenity of old age, and the peace of death.

In his last number — The Mask Maker — Marceau is extremely style conscious, working overly hard to show the full range of his art, and yet overlaying this with a strange note of depth and seriousness.

In trying on the large variety of "masks," Marceau causes his face to take on the wide range of emotions — from extreme evil to the silly clown's grin — instantly, so there is no trace of the transition.

At the end, Marceau's face is "stuck" in a silly grin, but behind which he demonstrates the full range and depth of human feeling — from folly and foolishness to fervent supplication or help in getting the mask off. Who needs facial expression. Marceau doesn't and implies that other people don't, either.

The Marceau interpretation of life is vibrant and realistic. His presentation the same. You are left exhilarated, as many of your emotions are brought to the surface — for a while you've attained the same level of sensitivity as a master of emotion.

Winter Athlete? Get Measured

The representative from the Whiting Awards Co. will be in Dalney House on Tuesday, February 7, at 7:30 pm to measure all prospective second-term letterman for awards. All basketball players, as well as those who lettered last term in football, water polo, soccer, or cross-country and haven't yet been measured for their awards, please be there promptly for measurements.

Exodus

(Continued from page 3) will play the role of dynamic Dean Strong, while Strong's secretary and constant companion will be played by Laraine Day. Brilliant young scientist Ricardo Gomez will be played by Sal Mineo, and Boris Karloff will play George Green. Student President Bill Bauer will be portrayed by the late James Dean.