**Famous Physics Professor Dies**

Dr. Richard M. Sutton, professor of physics at Caltech and a past manager of the Student Day program, died of a heart attack on March 29 at Huntington Memorial Hospital. 

Sutton, known for making the principles of physics understandable through scientific showmanship, received the Oersted Medal in 1963 for "notable contributions to the teaching of physics." He was a past president of the American Association of Physics Teachers, a fellow in the American Physical Society, and a former director of the National Science Teachers Association.

Author and demonstrator

His book, Demonstration Experiments in Physics, published in 1938, is widely used by high school and college physics teachers for laboratory demonstrations. He coauthored College Physics and wrote the recently published Physics of Rocks, intended to bring physics to the attention of students for pre-college students. One of his more well-known experiments, designed in 1947, demonstrates a nuclear reactor. Motorized go-carts placed side by side with two cork stoppers on each cart A cork dropped on one trap trips the reaction when the two corks on that trap fly off to drop on two other traps, and so on. Those who saw him on a Disneyana segment several years ago, may remember this demonstration.

Sutton received his B.S. from Havard College, Pennsylvania, and his doctorate from Caltech in 1929. He spent two years as a teaching and research fellow before then, returning to Havard as a faculty member. From 1944 to 1956, he served as his physics department chairman; he then became a professor of physics at Caltech and teaching chairman, two years before returning to teaching in 1965.

Sutton is survived by his wife, Grace Loeds Sutton, two sons, Donald David, borough leaders, and a brother, James, on the faculty of the American University in Beirut.

**Draft Intensified**

"Students are on the block right now!" With this remark, Mr. C. W. McCormick, Associate Professor of Civil Engineering and member of a nearby draft board, emphasized the urgency of the draft problem facing today's students. Any student who does not maintain his 2-A classification can expect to be drafted, and next year there will be a crackdown on 2-B classifications.

The 2-B classification will be decided upon three criteria: standing in the ROTC program, and the upcoming Selective Service test. Students having to take an extra year due to an unscheduled change in option or school, will probably not be considered for sticking future progress, and will be left out in the cold. McCormick repeatedly stated that the upcoming draft test probably would be a major factor in a student's record (especially a Caltech student) and would often make the difference between a 1-A and a 2-B classification. If he has a good test score even a student in the bottom half of his class can obtain a 2-A. Since the competition is so intense here, these test scores will probably be more important to Caltech students than to any other students in the country. If you are not in the top of your class, take the test, otherwise "your goose is cooked."

Upon being asked about the effect of the past-fall change upon Frosh, McCormick said that the local draft board probably would consider them all in the bottom half of their class.

"Essentially, the burden of proof is placed upon the individual: therefore it is imperative that all students keep their local draft boards informed. Draft boards have a two-step plan for getting information.

(Draft on page 4)

**Teaching and Research**

"Caltech gets, or tries to get, the best students, the most promising teachers, . . . yet we make clear to every teacher that the student is in charge."

Al DuBridge in a special address delivered to a mixed audience of undergraduates, graduate students and faculty in Beckman Auditorium. The talk, on the teaching and research in colleges and universities, was given at 11 a.m. last Wednesday, March 30, as a special treat in place of the matriculation lecture.

DuBridge reminisced two score and eight years into his past when he entered Cornell College in the fall of 1916. At that time Cornell was one of many typical small private universities. "The most spectacular of these institutions only had an enrollment of 900 students."

In my day

Nearly all of these universities were small, men of science were doing their work in the laboratories, and the number of research dollars was small. 

DuBridge continued, "We lacked people who were going to liven up the atmosphere. We lacked people who were going to liven up the atmosphere."

In the 1920's, the government continued, "Al DuBridge, a research scientist, increased the number of faculty and research plan."

In fact it was R. A. Millikan, director of the Rockefeller Foundation, who, in 1926, decided that the policy of Caltech was to be a typical example of American-British relations, he then decided that those troopers would not be available. Just before that, three believed President substituted air cover for British troops (after all, we have no weapons to try to fight with). The provision was dropped, and far more than 100 air craft carriers from Vietnam.

**Fickle Sakamukas**

"Professors have a peculiar display of brilliance on the part of the US and UK teams, the other groups were primarily undergraduate groups as well as those as others such as administration of Mayor Young, the announcement of George Faludi in 1951 that he would not marry Lynn Johnson because she was bow-legged, and the gift of Supervisor Dorn of a 58 Dodge, forced the Colombo in 1956 to end the game.

The players left the action a bit strenous, and much less aggressive.

**Tanzania Torn Internally**

"Salaam, Dr. Lauritsen from the Rockefeller Foundation.

"The Caltech Infrared Observatory is directed by Dan Gordon of the astronomy department chair."

"The play will also be a good time for some of Caltech's second annual political-military officers."

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**The Critical Ear**

by Sophie

The pulling together of the Modern Jazz Quartet erupts each evening save Mondays at their usual 6:15 p.m. at 2615 South Lake Avenue, through April 10. With an appealing color scheme of green and blue, and jazz, the quartet is one of the best groups today, undoubtedly with a future of its own to hear.

The nightlife, decorated as a man might look from the side, has an age minimum of 18 and a $2.50 cover charge in addition to a drink minimum. The jazz, however, especially this evening, is at its finest. Perhaps we as well as categories for box and shift melodies and harmonies, each characterizing their own, all taken with a soul.

The drums carry the percussion equally well as a percussion counterpart to the drums and as a harmonic counterpart to the piano. As a whole, the quartet produces an attractive sound, melody, and a captivating mood.

The music of the MQQ seems to be partly inspired externompa­nions. Inclusions, and partly the result of their desire to provide a pleasing presentation. There is no reason why the MQQ should not play any of the compositions exhib-

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**Other Campuses**

by Parker

From the description we find evidence of a windy season. The LST Swiftfoot reports a kite-flying contest, cleverly disguised as a "Pilates-Kiting Festival," which was held on April Fool's Day.

Rules of the contest: Kites for kiters costing less than 25 cents and more than 25 cents, as well as categories for box kits. The judging was to be based on altitude, behavior in the wind, and length of time. Perhaps we as well as categories for box kits.

The judging was to be held in Beckman Auditorium. Delbruck's criteria for the MQQ included training the pupils as a physicist and later turned to bacteriology genetics, where he was highly successful in beginning the extensive work on phage now being done. Delbruck's training was clearly demonstrated in this talk, in which he applied a seemingly abstruse physical hypothesis to a biological system.

Delbruck pointed out that although the great work done in biology within the last twenty years has come to the consideration of biology at the molecular level, the experimental analysis alone is not sufficient to explain the properties of membranes such as mitochondria, the rods of the retina, the inner ear, and nerve fibers. Applying the mod­

**California Tech**

Editors: John Middleditch and Mike Moehl, Assistant to the student editor; Bob Firestone, Features; John McCord, Managing; Jon Jeffrey, Copy; Peter Ballim, Sports.

Stuart: Jerry Austin, Steve Blower, Bill Boyd, Dan Fell, Rick Stay­

Delbruck (the world's most perfect computer) and a very funny version of the Mitchell Tract's "Typical American Boy," dedicated to all 18-26 year-old 1.4-male in the audience.

The festival offers a couple of guys who remember me of two­thirds of a Kingston Trio. They do some K.T. type material in a quite reasonable manner, but their best number was a very funny version of the Mitchell Tract's "Typical American Boy," dedicated to all 18-26 year-old 1.4-male in the audience.

Following the music are the Uncalled-for-Three, a solid com­

dy group. They're in L.A. to file a portion of a Kraft TV spectacle scheduled for June 14. They keep the place rocking throughout their entire act—ranging from some pretty good pons to a Bob Dylan imitation to a take­off on the Johnny Carson show. So we're looking forward to hearing what you have learned. What radioactive sup­pots are for.

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by Woodhead

The Scotti Tennis Tournament for the Caltech Undergraduates championship is scheduled to start April 14. The tennis squad is automatically entered but highly-skilled others may enter by contacting Coach Lamb before April 12.

Jeff Prentiss has been elected captain of the varsity squad and Greg Evans as captain of the frosh. The squad is gradually returning to a regular practice schedule. The varsity plays Cal Poly at Pomona Thursday and both squads take on Oxy on Friday.

The Scotti team lost to Cal Baptist College, looking to revive their spirits after en-countering such a superior Rob-lands force. Unquestionably the opposition this time could not be considered potent. Yet in a very poor show of stick work, the Beavers won in a squeak, 6-5. Only six hits were batted by the home nine, several of the erratic variety due to a Santa Claus scorer.

A team of similar bosta-lar character is due in Saturday at 3 p.m. for a doubleheader, and the prospects for the team finally living up to its potential seem imminent; they're certainly long overdue.

by Fischman

I was only about one day latelast week in talking about the now known Dodger-Depleysale-Koufax dispute. So the salary issue is now resolved.

The Beavers are back. Instead of salary demands, base- ball is back, and the ball team is back, and the baseball players will begin making their demands.

In fact, the new added strength of the Koufax and Fischman, Wright took one-two, and Pomona was led by one point 15-12.

At the conclusion of the div- ing Tech trailed by three points, and by the time Wright won the back stroke in 2:18.4, the margin had become six points. Maple of Pomona then won the 500 free to put them ahead 44-35.

The second relay race were the 200 breaststroke and the free relay. The breasts of the three best swimmers left for the relay, so Tech's victory in that event was assured.

When Henry Dewitt turned in his best time of the year to win the back stroke, he was the first-ever wrestler in his first league meet, did third, the winning margin of one point was made.

The relay team then took to the pool, with the men's team completing the full exam of win- ning the move.

Tommy's career is over, and in the meantime, the team was handed to Cal Poly, Pomona, to do battle in a non-league meet.

**Cricket Starts**

"Doe" Hunterback's heroes lost a heart-breaker of a game, 63-85, to the Corinthians Cricket Club on Sunday.

The game started promisingly when the very first batman for the Corinthians falled without a run. But immediately, the opposition scored only three runs for three years or, per- curately, the last batters, capit- allizing on the second-string bowlers, managed to score a few more runs, but their total of 63 still showed well for the bowlers.

The first few Caltech batters, however, did rather poorly. Jim Cutts, a descendant recruit to the team, contributed the greatest work by taking 21 points. Mike O'Sullivan almost made the hero of the day in trying to pull out the victory. The team was behind, and O'Sullivan was last batter who could get the runs. He managed to bring the total of nine, but the others could not support him.

The Saturday doubleheader at Redlands carried another point on the Beavers' record. The Beavers put a solid performance on the ground, but still losing 10 and 13-2. Helberg choked his way through the first two innings, yielding six earned runs. The string of mopeds that followed proved the Bears were simply outclassed. The only Caltech offense worth men- tioning came in the ninth when Dam Hammons, Alonso Martin and Les Pettig put together a pair of singles and a double, respectively.

In the Saturday doubleheader at Redlands the Beavers lost on a pitiful performance, but still losing 10 and 13-2. Helberg choked his way through the hot dusty abbreviated first game. Stump Chappyck worked up his two timings of the sec- ond game, Pettig finishing the performance. The only response to the effi-

We'll be on campus soon to talk about a new breed of engineering you can't get a degree in...

**Baseball Team Clobbered**

The first scheduled conference games last week hit the base- ball team hard, that the first term, finding the team with a shortage of manpower, and still look- ing around firing a loaded gun, the team was awarded the meet.

The first nine Caltech batters, without scoring a run. In fact, the team was assured. The relay team then took to the pool, with the men's team completing the third inning, making 3 points behind the home nine, several of the erratic variety due to a Santa Claus scorer.

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Hear Lecture By Moderate CDC Leader

Are you a Sam Yorty supporter? Do you see that St. Cassidy has been running for the California Democratic Council? If you can answer yes to either of these queries, then you missed a grand opportunity to expand your political horizons at the SWICT-BUSC lecture March 29. The guest speaker was Joseph Wyatt, former President of the State Personnel Board and present head of the California State Personnel Board.

Easy Chops

Wyatt first explained his philosophy of concern with the methods utilized in improvements as well as with the problem of which changes should be made. He is just as interested in the "how" to problems as well as the great thoughts many pseudo-politicians might put forth from their easy chairs. Preference for modern teachers is a discriminating view on the part of the speaker. "We will use methods of the past to deal with problems of the future."

After his prepared speech Wyatt answered a few somewhat leading questions. When asked if he felt that the Watts riots were mainly due to negligence by Mayor Yorty, he replied that although Yorty cannot be held totally responsible, he should admit to partial negligence. Wyatt added that Mayor Yorty is quick to point out failure in a job which was partially his own responsibility.

Pat to blame

Later that evening the speaker was questioned on St. Cassidy's ouster as president of the CDC. Wyatt answered that Cassidy was on his way out months before the official publicity. Although Cassidy's major problems arose in trying to run a student-owned operation, it was the more volatile problem of political opinion which received so much publicity.

Sunny Skies . . . Native Girls . . .

(Continued from page 1)

A-1 card is practically a guarantee of being drafted. Once you've A-1 then the rest of the process is almost automatic. Whenever you are reclassified you have 10 days to exercise your right of appeal. If a person wants to make an appeal it has to be made in writing with the board where he is registered. Generally a personal appearance is the best policy, but this would mean an out-of-state student would probably have to fly home.

Don't miss your period

Once this 10 day period is past there is only one slim chance that a student may have his classification changed. A local draft board will receive any new information at any time. A person may send in any information which he feels might cause his local board to reconsider. All such incoming information is reviewed by the board and placed in one of three categories. First, if the board feels it is pertinent the board will reconsider the person involved and send him a new card. If they feel the information is complete and utter nonsense it will be marked "Reviewed - No Changes" and placed in his file but will have no effect. If the draft board feels that there is some substance to the new material but not enough to justify reclassification, it will be filed as "Reviewed - Reopened", but the person will be sent a new card with the same classification which reestablishes his right to appeal for 30 days.

Don't go AWOL

If you are leaving the country be sure to tell your draft board, for two reasons: (1) You need a permit to leave the country, without one you can probably get out but you may have a hard time getting back in; and (2) if you are out of the country when you are reclassified you have 30 days to appeal, instead of 10, provided your draft board knows of your status.

Poorer students are already being drafted and real full-time students will be drafted this summer. The only people who cannot be reclassified are those classified 4-F.

Coffeehouse Soon

by Bone

John Eyler, head of the student committee on the proposed YMCA coffee house, said Tuesday that there would probably be some results this term in the form of an experimental setup. The committee will meet next Tuesday with the administration to discuss the possibility of renting a room at Roma Gardens for one term; the results of such an experiment would presumably guide the Institute in any further outlay of money.

The reason for the delay, naturally, can be traced to B & G. Called in as consulting experts on the renovation of an Institute-owned house, their estimate was so high — $10,000 — as to prohibit the establishment of a coffee house until the power that be could ascertain student attendance. The Y cannot back it alone, as their largest asset is a car worth perhaps $2,000 in raffle tickets.

The committee hopes to be able to reduce costs of renovation to a certain extent by consultation with city fire and health inspectors regarding quality of equipment and facilities in the two houses under consideration: one on Holliston Ave. just north of the grad houses, and the other, Proctor House (that's right), on San Paquita across from Church. Either one of these would of course be much easier to reach than Roma Gardens.

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P.S. The baby hummingbirds, born at our El Segundo, California, refinery, were as pretty as their mother.