

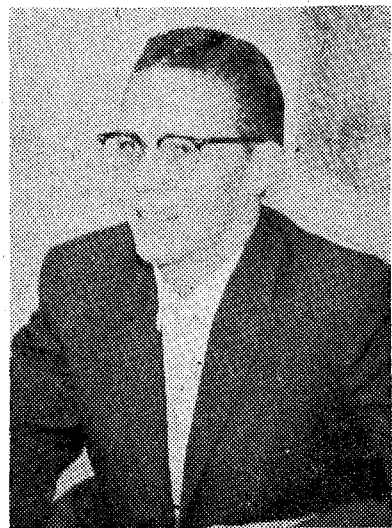
California Tech

Associated Students of the California Institute of Technology

Volume LXI

Pasadena, California, Thursday, May 5, 1960

Number 27



MR. BUD TAYLOR

Bud Taylor Steps In To Rule Houses

Bud Taylor, presently Director of Auxiliary Enterprises at Loyola University in Los Angeles, was recently appointed Manager of the Student Houses. He has replaced Miss Marjorie Cheney, who has been managing the Houses since 1956.

Taylor took over the duties last Tuesday from Miss Cheney, who will remain in an advisory position until June 3.

Taylor's position at Loyola for the past year and a half included management of student feeding and housing and also management of the Bookstore. He was previously associated with the food service department of the Metropolitan Life Insurance Company office in San Francisco for five years.

The new manager of the Student Houses holds offices in numerous professional organizations. He is vice-president of the National Association of College and University Food Service, and vice-president of the California Association of College and University Housing officers.

Winnett, Labs Next To Be Built

With completion of the Chandler Dining Hall assured by next fall, the next big projects in the Caltech development program are the Karman and Firestone laboratories and the Winnett Student Center.

The Chandler Dining Hall is to be completed along with the new Student Houses in the fall. Producing three full meals a day from the kitchen in the new Houses, the dining hall will be served on the scramble system. This resembles a supermarket in operation. Short orders will also be served up until about midnight.

NEW LABS

Karman and Firestone, two additions to the aeronautical engineering department, will be started in August and finished next May. Two floors are to be added to the present Hydro Lab, which was originally planned for this addition, and the whole building will be named after Dr. von Karman. An elevator

Theme 'Moods In Music Promises Fine Time At Glee Club Concert, May 5, 6

Lost Weekend Forges Ahead

Lost Weekend, Caltech's big third term attempt at complete debauchery, will be held May 13, 14, and 15. ASCIT Social Chairman Tim Little has scheduled a full slate of events for the three days, including a casino party, a trip to Disneyland, and the traditional beach party.

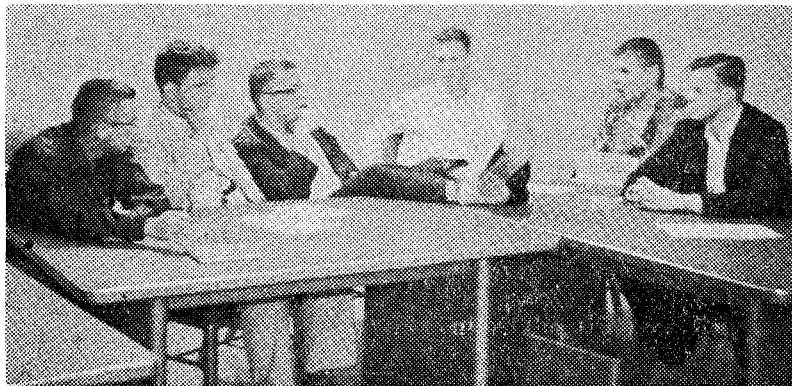
The week end is designed primarily for Techmen who want to import dates from far and distant climes, with visiting girls being housed in scheduled alleys in Blacker and Dabney. Little stresses, however, that anybody can bring a date to any event just as long as any social chairman is told in time (which means NOW).

The schedule of events follows:

Friday, May 13, 3 p.m., girls move in. Room cost is \$1.50 per night. Dinner in the Olive Court around a dance floor. Choice of steak, \$3.75, or fish, will be \$3.50 per couple at 7 p.m. The Gordon Mitchell Divieland band will play continuously from 8-12:30 except during folk singing entertainment. Casino party.

Saturday, May 14: Beach party at Huntington, picnic lunch from about 1-3 p.m. Leave for Disneyland from 4:30-5 p.m. Twenty 50-cent tickets and admission for two people, \$12.50 value, about \$4.00. Show at Golden Nuggett. Dinner arrangements will be made if there is enough interest. Ticket books will be available Thursday, May 12. Maps will be provided for those attending Saturday's events.

Thinking Group



Cleve Moler (feet on desk) was picked Monday night as chairman of the eight-man ExComm. This group will consider such general interest areas as teaching methods and goals, and student attitudes. Over Moler's feet you can see Larry Brown, new ExComm secretary. Others pictured are Lance Taylor, Clyde Zaidins, Dave Bowman, and Doug Shakel. Bob Koh and Bill Bauer were absent.

Panel Eyes Democrats

A panel representing important Democratic presidential aspirants will appear in Dabney Lounge Monday at 7:30 as the first of a series of programs designed by the YMCA Public Affairs Commission "to bring the 1960 political hassle to Caltech."

There will be a panel member representing each of the major candidates — Stevenson, Kennedy, Humphrey, and Symington, plus one speaking for all the dark-horse candidates.

Panel members are prominent Democrats or sympathizers from the Associated Colleges area. Included are a Pomona lawyer, a Claremont newspaperman, a Scripps history professor, and two CMC grad students. The panel has given similar presentations several times in recent weeks.

Music, Psych Are Among Fall Courses

With the exception of the addition of four courses and the dropping of one, the Senior Humanities electives will be the same next fall as they have been this year.

The biggest change has come in the courses offered in psychology. PI 6 — the single old psychology offering — has been changed to a series of three courses, not necessarily continuous. Hunter Mead will teach PI 6a, an Introduction to Modern Psychology, with emphasis on the concepts which now appear to be a permanent part of psychology.

The Psychology of Personal Development (PI 6b) and the Psychology of Behavioral Processes (PI 6c) will be follow-up courses. PI 6b will study psychological development from birth to maturity; PI 6c will be the study of emphasize environmental influences.

On the graduate level, Dr. Stern will teach a new course entitled, "Philosophy and Literature." Primary purpose of this course (which will run for three terms, PI 102 abc) will be to study literature as a vehicle of philosophical thought.

A new course, Growth of Industrial Civilization (H 123), will be planned by Drs. Wier, Bonner, and Harrison Brown. This will be an analysis of some of the major factors that have affected the past, and will affect future development for about the next century.

Not solely a senior elective will be the ew five-unit History of Music course. This will study the evolution of musical forms, eying both theoretical and actual structure.

The Glee Club's annual spring concert will be offered to the public this Friday and Saturday evenings at 8:15 in Culbertson Hall.

"Moods in Music" is the theme chosen by the 54-voice singing group, who were recently featured at the 1960 Winter Olympic Games at Squaw Valley. Under the direction of Olaf Frodsham, they will present a concert in three musical parts: religious, romantic and fun. For the religious segment of the program, the Glee Club will be dressed in gray choir robes with purple stole, and for the romantic music they will change to white dinner jackets. For the singing of the fun music, the group will be dressed in their blazers.

Featured soloists will be Paul Weichsel, tenor; Larry Sloss, baritone, and Gary Lorden, pianist. Special features of the program will be the Glee Club's clarinet trio, known as "The Woodsmaen," with Lawrence Kugler, Robert Russell and Oliver Seeley, and some old-fashioned harmony provided by the Glee Club Quartet. The full Glee Club will present "No Man Is an Island," the anthem sung as the Olympic torch died out at the closing of the Olympic Games.

Admission will be \$1.00 for adults and 75 cents for children under 12. Admission is free to Tech students. The tickets may be obtained from the Tech News Bureau, members of the Glee Club, or at the door. Proceeds from the concert will be used to help pay for the Glee Club blazers.

The spring concert will conclude the Glee Club's forty-sixth concert season.

Scientists Plan Sacred Trek To Millikan Shrine

A pilgrimage to the tomb of Dr. Robert A. Millikan, located in the Memorial Court of Honor at Forest Lawn Cemetery (12 miles away) will be held this week end. Ostensible purpose of the traffic-dodging trek is to commemorate the 50th anniversary of the original oil-drop experiment.

Sponsors of the event are the Physics Club, English Department and Junior class — the last two aiming at a miniature reenactment of Chaucer's Canterbury Pilgrimage.

The pilgrimage will start from the steps of Throop Hall at 9:30 Saturday morning, walking toward Forest Lawn. Along the way, people wishing to tell tales in the Chaucerian manner may do so. After ceremonies at the cemetery, students will get rides back. For information, see Steve Luner, Blacker.

Editorial

Air Force Education

A two-day visit to the U. S. Air Force academy pointed up a number of facets of educational philosophy which might well be considered by both student and faculty leaders for application at Caltech in some less extreme forms.

The most obvious contrast, being a military school, is that a freshman's life is totally run for him by the school, including when to study (Everyone must be in his room after 8:30), when to sleep, what to wear, when to go home (never), or into town (almost never), how proficient to be at PE, how to arrange one's room, and when to go to church (every week). In succeeding years these requirements are relaxed so that seniors can stay up late in bull sessions, have cars, get away on weekends, fix up rooms more, and need not attend church. The question raised is whether Caltech frosh are indeed mature enough to accept most profitably the complete freedom on this campus. Would it be better to have a number of personal decisions taken care of for them in the first months so that they can concentrate more time on studying science, which, after all, is what they came here to do?

Second, the academy sees as its main purpose the job of motivating the cadets to be gung-ho Air Force leaders and then having a good education available for the student who is eager to get it. How great an attempt is made at Caltech to make science and engineering appear glamorous and exciting, i. e. to above all make us want to be gung-ho scientific and engineering leaders?

Classroom time at the academy is devoted mostly to recitation and solving of problems with the popular Caltech lecture system strongly discouraged as the weakest and most boring form of instruction. Also for a cadet who doesn't understand a day's class lesson for any reason including daydreaming about his girl there is an instructor available for each course in the late afternoon willing to repeat the full hour if necessary. This appears a little more friendly than the Caltech system of random office hours and "Don't bother me until you have a specific question" philosophy. Further, the new instructors are required to prove their ability to instruct a course the term before it is scheduled by outlining it and then actually presenting classes to other experienced instructors for evaluation and improvement. Such a system is designed to save students from the brilliant research scientist who not only hates students but can't communicate with them and gives them instead people actually interested in teaching.

The academy honor system has considerably more respect than the Caltech system, possibly because it can be stated by the cadet quite simply: "We do not lie, cheat, steal, nor tolerate among us anyone who does," in contrast to the nebulous philosophical concepts that make up our system.

Finally, the Air Force tries during the summers to show the cadets what it is going to be like to be an officer, including tours of US and European bases of all the armed forces and including the glamorous jobs of pilot or aides to generals or diplomats down to a few weeks of on the job training in the routine maintenance or supply work. It should be possible at Caltech to be shown more of the work and the lives of our top scientists and the burden for doing so need not rest totally on the student to walk into a lab and say "hi, what are you doing?" and hope he's caught the guy in a good mood.

—jt

Glee Club, Sing On!

The glee club gives its annual spring concert tomorrow and Saturday which will be the only opportunity this year for the Caltech community to hear them. Just a reminder that the club is singing well enough this year to participate in the closing ceremonies of the Winter Olympics and give an eight-day concert tour throughout California should be sufficient motivation to take an evening off from snaking for some good music. The varied program should include selections for all tastes.

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Promise In Effigy

by Lance Taylor
and
Roger Noll

There are several things wrong with the Board of Control. Last week we pointed out the inherent weaknesses in a student-run BOC, weaknesses which are in and of themselves sufficient cause to change the system. This week we would like to discuss the problems generated by the structure of the BOC, and suggest some changes which might improve the situation.

Before this, however, it should be established that the Board has considerable power, and that it does not just make suggestions. In all cases the BOC acts as judge, jury and investigator, deciding the guilt or innocence, the motive, and the punishment of an accused person. These decisions are then passed on to the three undergraduate Deans, sitting as a committee.

The Deans review the methods used by the Board in arriving at its conclusion, but do not carry on any investigation of their own. They do not review the case as to matters of fact or motive, and do not as a rule interview the person involved. In virtually every case the Board's decision are not changed.

It is well to consider the ability of the BOC to wield such power justly.

Aside from the personal weaknesses, there are several reasons why the Board, as now constituted, is unable to act competently. First, the entire system for the election of Board members is a mess. Both in date and position on the ballot, BOC members are the last officers to be elected; some of the best potential Board members are elected to other offices, and many who do run for the Board are frustrated candidates from previous elections who consider a position on the BOC as a second choice, or as a political plum. Few people begin planning before ASCIT elections to run for the Board at the exclusion of all other offices.

This hints at a second weakness in the Board — that a position on the BOC has very little prestige value in many student's eyes. After the entire rigamarole of ASCIT, House, club, and YMCA elections is over, the BOC elections are not given due thought. Too often they are considered, along with the other elections for class offices, as mere popularity contests, which are relatively unimportant.

Worse than this, the Board positions are divided equally among the classes, including two positions given to freshmen two weeks after they get here. Of the nine voting members, four are underclassmen, who cannot be expected to comprehend fully the Honor System and its applications. Certainly no confused, struggling freshman, two weeks into Caltech life, is capable of mature, competent judgment in such matters.

Finally, there are no adults on the Board to lend stability and maturity. Even if Caltech students are able to be consistently good Board members, then certainly interested members of the faculty, most of them Techmen twenty years later, are even more able, due to their added experience.

There are several things we can do to remedy these weaknesses. The BOC should consist

of nine members, which should include a psychologist and a specially appointed faculty member whose primary responsibility is the maintenance and operation of the Honor System. Also, two more faculty members should be appointed by the special faculty member with approval of the ASCIT Vice-President and the Deans.

Student membership should be limited to the ASCIT President and Vice-President, plus two representatives elected with the ASCIT officers. A non-voting BOC Secretary should also be elected at the same time.

Letters

Editors' note: Henceforth, unsigned letters will not be accepted for publication. However, names will not be published upon request. Letters should be kept to a reasonable size (200-300 words).

Trust Placed
In Student BOC

Editor, California Tech:

Taylor and Noll maintain that Techmen lack the maturity to understand and to judge each other. I cannot agree. Perhaps as Techmen, limited in experience beyond our own little world, we are less competent than some to pass judgment on outside people. But no one is as close to our motivations and our problems as one of our own number; no one else can so completely understand the complex processes, which make up a Tech student.

Perhaps others would rather have their guilt and their motives decided in a 10-minute interview with the Dean, or even in an analysis by Taylor and Noll and their psychologist. As for me, should my honor ever be called into question, I will submit my fate to the decision of my respected fellow students on the BOC.

Criticisms of
BOC Justified

Editor, California Tech:

The article by Taylor and Noll in the last issue of The California Tech is the first real criticism of the Honor System, or more exactly the BOC, that I have seen in a number of years at this institution. I think that it is high time somebody brought about some interest in the mechanism of BOC enforcement of the Honor System.

When viewed in comparison to systems of enforcement outside of Caltech, the BOC represents a rather remarkable system of justice. Indeed, it looks suspiciously like police state enforcement on the surface, except that we at Tech know that it is not. Or do we? It is, in the first place, secret.

The Board, we are told, tries to determine the guilt of a person before he is brought before the Board. The accused, for instance, never gets to face his accuser.

Then to return to this wonderful process of justice, we find the accused facing a Board, which, presumably, has already formed some conclusions as to his guilt, but in order to be open-minded about it all is now willing to listen to his side of the story. I would submit, gen-

Such a system would cure most of the problems presented, while still maintaining student representation and student control. The immaturity of the student members would be tempered by the presence of the faculty members. BOC members would be given the prestige of ASCIT officers, and could be chosen from the entire student body.

The only problem remaining unsolved is that the elections would still be popularity contests. We hope the basic good sense of the Caltech student body will remedy this.

Action Hits
Reimer Letter

Editor, California Tech:

Last week you published a very colorful and very vivid letter by a gentleman named Jake Reimer, attacking ACTION and various persons on campus.

Mr. Reimer stated that he was not going to save the world this year, but wait until next year. We must admit that we are very impressed by this and consider it a most worthy idea, maybe the most appealing solution to our problems. If Mr. Reimer could convince Messrs. Eisenhower, Krushchev and the other world leaders to follow him in this direction and to put all their problems aside for a year, then all would be solved (at least for a year) and we could join Mr. Reimer in his enjoyable, time-wasting activities. We wholeheartedly urge Mr. Reimer not to abandon so noble a program, but to try to promote its application in world issues. Were he not to succeed, however, we sincerely hope that next there will be a world left for Mr. Reimer's zealous efforts of salvation. We naturally also hope dearly that there will be a Mr. Reimer.

The most noteworthy epithet Mr. Reimer attached to us was, I think, that of "self-appointed Enlightened Leaders." We sympathize here with his just anger, since we think it deplorable that, in a democracy such as ours, individuals should take it upon themselves to start things without being duly elected to do so.

Another name Mr. Reimer pinned on us was that of "know-alls." Here we must say we were a little surprised. We thought all along that we wanted to be active in order to learn more, because we thought that we did not "know it all." It seems that we were mistaken. Mr. Reimer says so and I am sure he knows better.

Joseph Heller

lemen, that you are taking more responsibility on yourselves than any jury would be asked to assume, and you are saying that you are more capable of open-minded appraisal of the facts than any jury.


I think that the most valid criticism of the BOC, and this is also mentioned by Noll and Taylor, is the question of the

(Continued on page 3)

BRIGHT LIGHTS ..

COFFEE ...

... AND SHOES



by griffen

The first Presidential candidate to visit Caltech this year spoke Tuesday night in Dabney Lounge. Farrell Dobbs, presidential nominee of the Socialist Workers party, has just returned from Cuba, and he gave his impressions to a small, select group of red-eyed students.

The platform of Dobbs' party includes several interesting features: 1) break with the Democratic Party into a separate party of the union; 2) in government, the party has adopted a program of nationalized industry in which the workers would control the means of production and the profit motive would essentially be eliminated.

According to Dobbs, this will reduce prices rather than raise wages. He feels that nationalization is the only way to avoid the danger of unemployment due to increased automation.

Dobbs' talk on Cuba was divided into three parts. First, he described conditions under the Batista regime; secondly, what he felt was new in the Revolutionary outlook; and finally, the innovations under Castro. Cuba, according to Dobbs, is going through a set of social reforms within a capitalistic framework.

The Cuban people, from what he saw and heard, are overwhelmingly behind Castro, but they fear intervention from the outside and so are arming heavily. There is great resentment against the U.S. for refusing to supply arms to the Revolution, when our government maintained Batista's regime through arms sales.

The results of the Revolution have been many. Castro has crushed the military forces under Batista and in their place has erected a small standing army of regulars, plus a militia composed of workers, peasants, and students. Dobbs claimed that there is now political freedom in Cuba as well as freedom of the press — two of Havana's largest papers are anti-Castro and express their sentiments daily.

A large agricultural reform has taken place. The properties that belonged to Batista followers have been confiscated as stolen property and been given to the peasants; where one owner had an excessive amount of land, this excess was also divided.

Cooperatives have been started in an effort to diversify Cuba's previously one-crop economy. The reform is not designed to cut production of sugar, but to produce more of other crops, maintaining the sugar output.

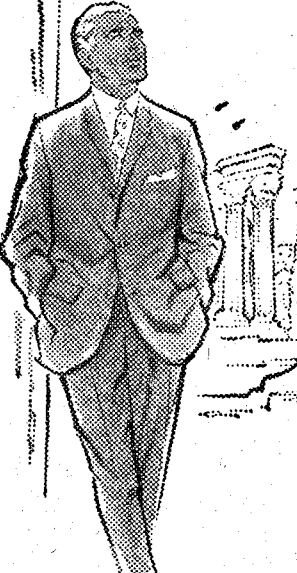
In industry, the government intervenes in the sense that it demands a voice in planning individual outputs to enable co-

operation of a planned effort to expand production. The regime wants to nationalize utilities and has already cut power rates and rents in half as well as lowering the prices on many staples.

Employment has been reduced from 1,000,000 in a work-force of 3,000,000, to 700,000. Education has taken a great leap forward. Ten thousand new schools have been built, 200 in Havana alone, and many new textbooks have been published. Health services are beginning a vast improvement.

Dobbs stressed that the reason that our press is so anti-Castro is that American propertied interests have not been able to tolerate intervention in their holdings. He feels that this has given us an inaccurate picture of important events south of the border. He concluded: "Cubans invite all Americans who can to come down and see."

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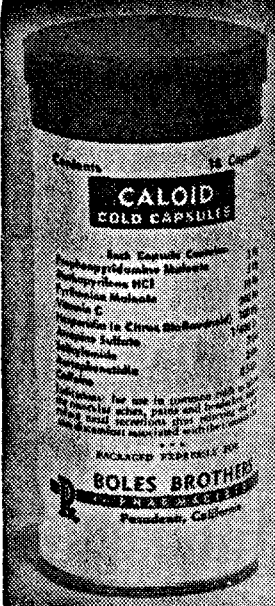
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BOC Critic

(Continued from page 2)

qualifications of an undergraduate for dealing with what is a position of very great responsibility. I would point out to Bauer and Zaidens that I am not questioning a Techman's "emotional maturity" in relation to other similar groups, but the maturity of any undergraduate.

Justice, in any part of life, is a delicately balanced thing at best, and judges are not generally older and wiser heads for no good reason. I cannot believe that college undergraduates, even Tech undergraduates, have the experience and wisdom necessary to deal with people

under these conditions. I do not question the "intellectual maturity" of Techman that Bauer and Zaidens defend.

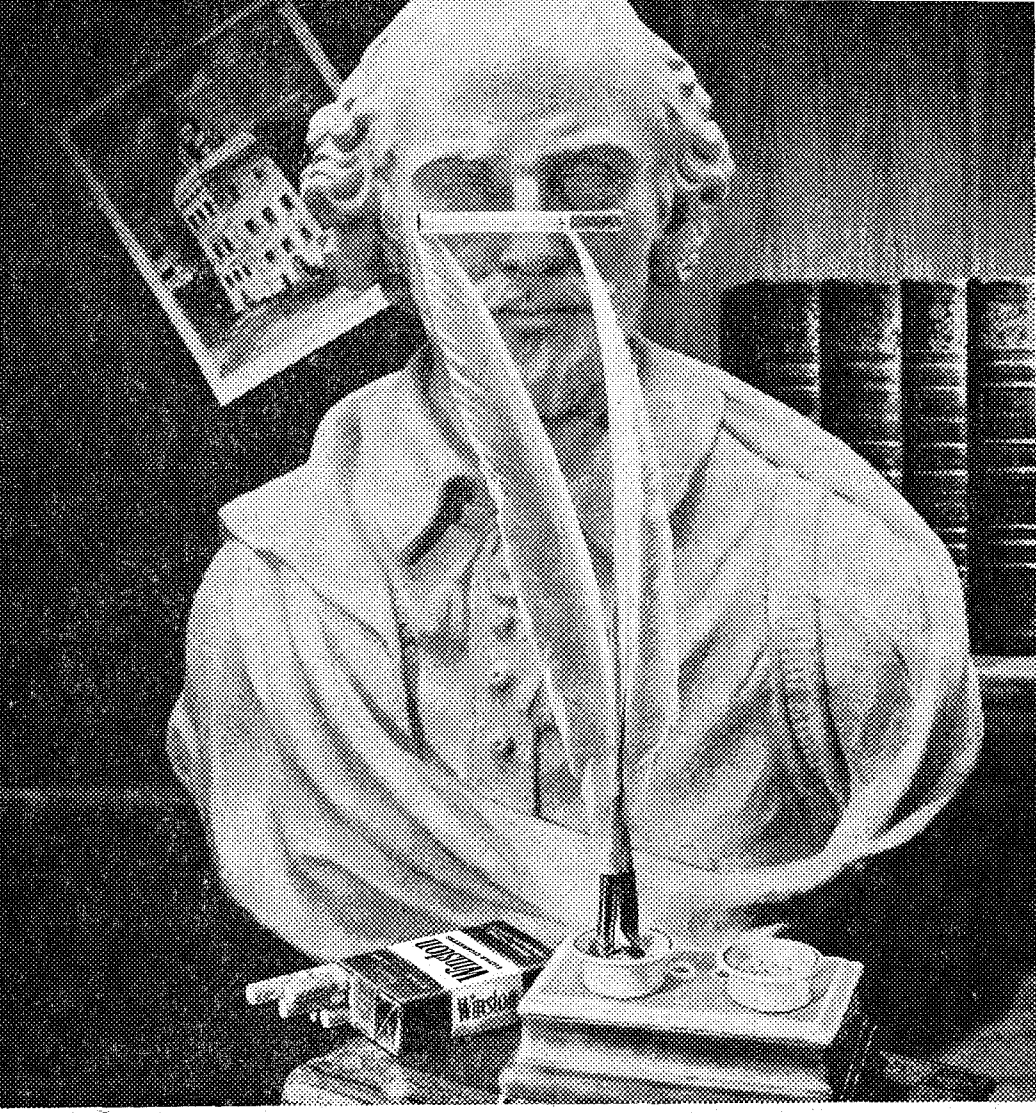
The remaining defense of the BOC is that it is the best workable system possible. After all, the defenders tell me, the Deans are "out of it" and, therefore, not really qualified to run the system, so who else would you have run the system but the students themselves. I honestly do not know what the best solution would be, and perhaps a mixture of faculty and students would be an answer.

My final criticism of the BOC is the secrecy of the proceedings. The wild accusations I made in the first part of this letter are made possible by the secrecy.

Bauer and Zaidens admit that the "poor communication" between the BOC and the student body is due to the cloak of secrecy. The only justification for secrecy that I can see is to allow the "rehabilitation" of an offender who would mend his ways but could not face people after being proved guilty in front of them. Those found innocent should have no complaints about publicity, nor should those guilty of such offense as to make their expulsion necessary have any complaints.

I believe in the Honor System and its benefits as much as any man here at Tech. I do not wish to see it torn down in any way, but I sincerely believe that it could be much better than it is at present.

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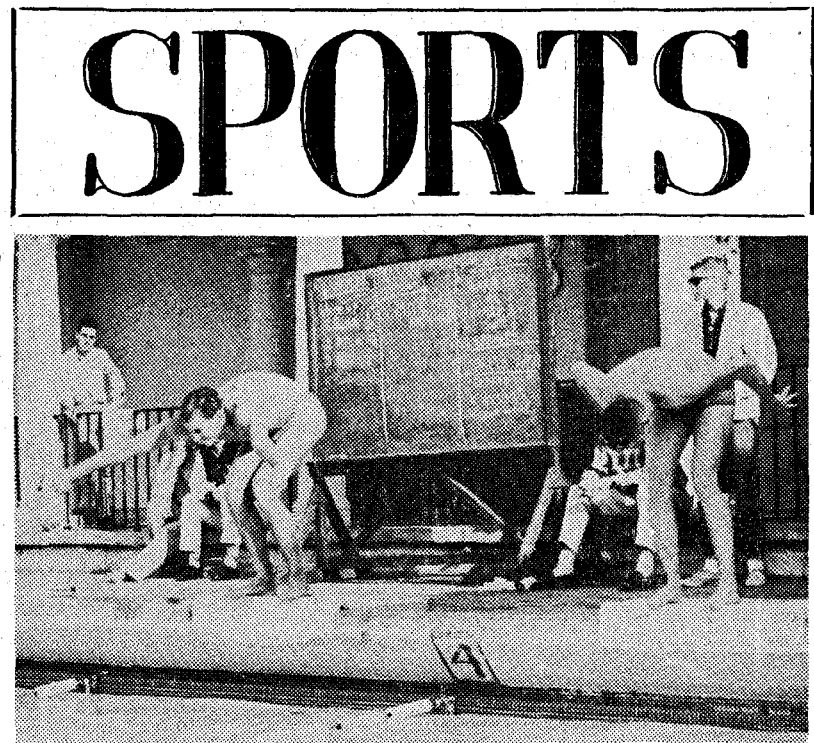
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Marshall Buck and Gary Mitchell on their marks at the Oxy meet.

Sports

Tankmen Crush Oxy, Undefeated In League

BY PETE RONY

The Caltech frosh and varsity swim teams finished successful dual meet seasons last Friday as they won their respective conference dual-meet crowns by defeating Occidental. The varsity took an easy 59 to 36 victory over Oxy while the frosh won by the somewhat misleading score of 46 to 44.

Caltech's Gary Tibbetts won the 440-yard freestyle and took a close second to Oxy's Bert Kanner in the 220. Kanner broke Gary's two-week-old 220 conference record of 2:15.1 by one-tenth of a second.

Russ Russel recorded a season's best time of 24.7 in winning the 50-yard freestyle. The rest of Caltech's lopsided score came as a result of the consistent performances of Gary Turner, Bob Thompson, Marshall Buck, and Bill Hogan.

FROSH FLASHES

Al Huber and Bruce Chesebro led the frosh to a convincing victory over their toughest league opponent.

With the realization that the outcome of the meet would probably depened upon his effort, Al upset his favored opponent and improved upon his personal best effort in the 200-yard breaststroke by more than four seconds.

Jim Shaw added valuable points to CIT's total as he took a surprising second to his teammate, Pat Manning, with the time of 2:42.8 in the 200-yard backstroke.

Bruce Chesebro became the fourth fastest sprinter in school history as he tied the frosh school record of 24.5 in the 50-yard freestyle. This is only .2 of a second behind the varsity reco rdof 24.3 set last year by Keith Brown.

Mickey Newton completed Caltech's sweep of the sprint freestyle races as he took second in both the 50 and 100-yard events with times of 25.8 and 59.1, respectively. Other point-getters for the frosh were Larry Daubek, who had seconds in the 220 and 440-yard freestyle, Pat Manning, with firsts in the individual medley and backstroke events, and Dave Ollis, who won the 200-yard butterfly.

The frosh 400-yard freestyle relay team outdistanced their opponents by a full lap as they finished in a season's best time of 3:56.5. Unfortunately, they were disqualified and Oxy was awarded the points for just finishing the race.

ishing the race.

CALTECH TEAM TO BEAT

For the second year in a row, the conference swimming championship should be the highlight of Caltech's intercollegiate competition. The preliminaries were held at Caltech yesterday, while the varsity diving finals and the swimming finals will be held today and tomorrow at 4:00.

Once again, both the frosh and varsity teams can be considered as favorites to win their respective conference crowns. From their performances in dual meet competition, the frosh and varsity even have an excellent chance of surpassing the winning margins set in last year's finals.

TIBBETTS PACES TEAM

Garry Tibbetts, defending conference champion in both the 220 and 440-yard freestyle events, will attempt to repeat this performance. Marshall Buck and Bill Hogan will be Caltech's chief hopes in the 200-yard breaststrok.

Russ Russell will be the major Caltech hope in both the 50 and 100-yard freestyle events.

Gary Turner is a threat to place high in both the individual medley and the backstroke events, while Bob Thompson, Pete Rony, and Bill Weihofin should place in the diving competition.

On the basis of their time of 4:16.1 against the University of Arizona, the medley relay team of Turner, Buck, Howard, and Roney must be considered as favorites. However, C-HM will deploy much of its strength in this event in an effort to win it.

The freestyle relay team of Rony, Mitchell, Russell, and Tibbetts must improve their season's best of 3:48.5 by at least five seconds if they want to beat Oxy, which has a best of 3:45. If such a winning team is achieved by CIT, it will be a new school record.

FROSH MUCH IMPROVED

The frosh prospects for placing first in the conference have been improved with the appearance of two divers, Jim Kummer and Jim Johnson. These men are capable of placing first and second in the conference meet.

Bruce Chesebro and Mickey Newton will lead Caltech's strong aggregation in the sprint events. Collectively, they should garner at least one first, two seconds, and a third. Bruce will attempt to break the frosh school record of 24.5 in the 50-yard freestyle.

Trackmen Drop Meet, SCIAC Finals Coming

A powerful Redlands track team wore down the Beaver thinclads, 98½-32½, in a dual meet held Saturday at Tournament Park. With star sprinter Jim Klett out of action due to illness, Caltech was little match for the strong Bulldogs.

Geary Younce showed great improvement as he came through with two seconds. He trimmed two-tenth's of a second off his best time in the 220 low hurdles to get a 24.7 clocking; and he did 19 feet 6 inches in the broad jump. John Weaver showed signs of regaining his old form in the pole vault with a 12-foot

6-inch mark. Unfortunately, Dick Tuft had a bad day and won only the half, Bob Ward of Redlands won the mile in 4:22.7. The Caltech frosh were also swept away in the holocaust, 94-32. Lack of depth proved the undoing of the little Beavers.

Pat Barly provided some excitement as he swept to a new frosh mile record of 4:40.3. Will Saam won the 100, and got a second in the 220. Jan Dash won the broad jump in 20 feet 11 inches, and was just edged out in the 440. The frosh also showed strength in the weight events as Bill Francis got a first in the shot and second in the discus.

Tomorrow night, the Beavers enter the league finals, which will be held at Oxy. Occidental, as usual, is heavily favored to win. Caltech will be lucky to avoid a last-place finish, but could beat Claremont if enough runners come through.

Caltech Loses Two Golf Matches To Oxy, Riverside

In two separate matches last week, the University of California (Riverside) and Occidental golf teams ran roughshod over a weak Caltech team by scores of 52-2 and 44-10, respectively.

The Monday match with UCR was played on the Victoria Country Club course in Riverside. The course was fast and in good condition for this time of year, but due to a strong, intermittent wind it played harder than its par 72 rating would suggest.

Match medalist was Dan Fredrickson, number one man for UCR; he had a 77. Wes Shanks was low for Caltech with an 87.

The Friday match with Oxy was played at Brookside Park. There was a wind that day, too, but it didn't seem to bother either Dick Kertson or Tony Case, Oxy's two top men; they both had 73s.

Dick got his score the hard way — by shooting a four-under-par 32 on the second nine. Tony, last year's conference champion, capitalized on consistency; he had nines of 37 and 36.

Tomorrow Caltech travels to Pomona to meet the top team in the league.

Larry Daubek's conscientious practicing for two terms will bring dividends when he competes in the 220 and the 440-yard freestyle events. Although he will be going against top competition, he should place high in both events.

Pat Manning, Jim Shaw, and Jay Russo should all take points in the backstroke. An improving Al Huber will be the man to beat in the 200-yard breaststroke, while Dave Ollis and Steve Mastin should also place in their respective events, the 200-yard butterfly and the 220-yard freestyle.

The frosh 400-yard freestyle relay team should not be hard pressed to win, while the 400-yard medley relay team will have their toughest race of the season as they attempt to avenge their dual meet loss to Oxy.

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Holland Leads Beavers In Losing Cause

Still suffering from lack of consistent pitching, the Beaver horsehiders dropped two out of three games last week. The only win of the week came Thursday when the sturdy men of Tech outslugged Pasadena by the football-like score of 16-12. Tech scored five quick runs in the top of the first inning to establish a lead which Pasadena could never overcome.

However, Tech hurler Steve Heineman suffered wildness and Pasadena pushed across four runs in the first and three in the second. The one bright spot in the Beaver pitching was a five-inning stint by Don Nisewanger, who gave up but one hit.

The bases-on-balls, a thorn in the side of the pitchers all year, was a large factor in the first game of a double-header with Oxy, which the Techmen lost, 15-5. Twelve Occidental batters were walked in the course of a game which saw three runs scored on wild pitches and many scored on Oxy hits. Tech dropped the second game, 8-0. The Beavers could collect only four hits, although they produced 13 in the first game.

Mel Holland swung the big bat in the Tech line-up as he went four for four. He had a triple, two doubles, and a single. The usually effective one-two punch of the Beavers, John Walsh and Fred Newman, was stopped cold by the Oxy pitching and defense. Dave Blakemore, pitched the first game; and Bazz Merrill hurled the second game.

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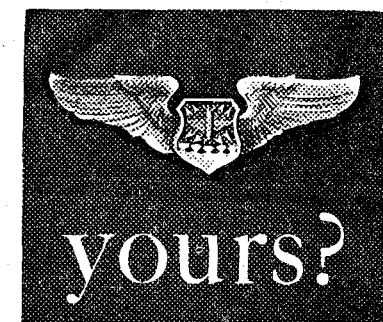
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