

The California Tech

Associated Students of the California Institute of Technology

Volume LXI

Pasadena, California, Thursday, March 10, 1960

Number 21

ASCIT Opens Applications For 9 Posts

Applications are now open for nine offices to be appointed next term by the new ASCIT Board of Directors. Students interested in any of these posts should give their name and position sought in writing to John Golden, Dabney.

Business Manager of the California Tech: applications close April 4, third-term registration day. A committee of Sid Liebovich, ASCIT treasurer (chairman); John Golden, ASCIT business manager; Tom Tisch and John Todoroff, California Tech editors, and Bill Mock and Neil Sheely, out-going Tech business managers, will interview applicants and submit a recommendation to the BOD.

Executive Committee: applications will close April 4. Interviewing committee will be the present ExComm with Bill Bauer, ASCIT president, as chairman. Eleven applications have been received to date. Five men are to be selected.

Head of ASCIT photo division: applications close April 11. Interviewing will be John Golden (chairman) and Bob Williams, the present office holder.

Chairman of the Election Committee: applications close April 11. On the committee are Dick Norman, ASCIT activities chairman (chairman), and Randy Schmus retiring election chairman.

Educational Policies Committee: applications close April 11. Interviewing and recommending will be a committee of Clyde Zaidens, ASCIT vice-president (chairman), Bill Bauer, and the present EPC members. Nine men are to be chosen.

Big T Business Manager: applications close April 11. Interviewing will be John Golden (chairman) and Bob Williams, the present office holder.

(Continued on page 6)

Caltech, Hales Rack In Math

Caltech's team took second place and Al Hales was in the top eight men in the annual William Lowell Putnam Mathematics Competition. The examination for the contest was given November 21.

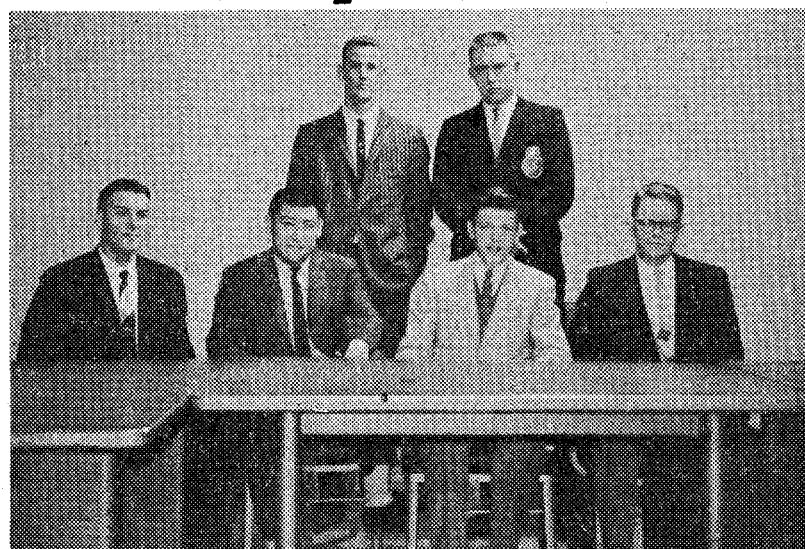
Other Techmen taking the test were Hal Stark, who placed 10th; Don Anderson, tied for 21; Stan Sawyer, tied for 26, and Steve Hechler, 32.

For his efforts (the rankings of the top eight men are not announced), Hales gets \$115—a \$75 prize for placing in the top eight and \$40 for being on the Tech team. In addition, he gets a shot at the \$3,000 Putnam scholarship at Harvard. Stark will get \$75, and Anderson \$40. All five Techmen will also get \$20 worth of math books. The Institute will get \$400 for sponsoring the winning team.

Brooklyn Polytechnic placed first in the contest, and Tech was followed by the University of Toronto, Harvard and Case Institute of Technology. Among schools receiving honorable mention were Yale and M.I.T.

Taking the examination were 633 contestants from 135 colleges and universities.

Houses Elect New Prexies: Dokken, Donnelly, Koh, Lohman, Hogan, Walla



New House presidents are (back row) Joel Donnelly, House C; Rod Dokken, Ricketts; (front row) Bill Hogan, House B; Bob Koh, House A; John Lohman, Dabney; and Gary Walla, Blacker. Fleming's elections are tonight.

Glee Club Leaves Sunday For 12-Concert Tour

The Caltech Glee Club will leave Sunday, March 20, for its second annual spring vacation concert tour. This year, as last, the tour takes them through the Central Valley and over to the San Francisco area. Twelve concerts are scheduled for the trip.

About fifty members will make the trip; they will return to Pasadena on March 28. The Glee Club's repertoire includes twenty-three pieces of both secular and sacred music. This music is mixed to suit the concert occasion.

In Clovis, California, on March 21, the Glee Club will sing for the high school in the morning; that afternoon, they will sing at the Lemoore Kiwanis Club.

On Tuesday, March 22, the Glee Club sings for the Lemoore High School in the morning, then travels to the coast to sing at the Los Altos Community Methodist Church that evening. The next morning, the Frodsham directed group will appear at Serra High School in San Mateo.

Continuing their Bay Area performances, the Glee Club will sing at El Cerrito High School in Richmond, and St. Mary's College, on Thursday, the 24.

Two concerts are scheduled for Friday. The first is at Oakland High School, the second at San Jose's Willow Glen Methodist Church, in the evening.

Also on Friday, the Glee Club hopes to present a concert on KQED, TV, San Francisco's educational and fine arts TV station.

Saturday, the 26, is devoted to the health of individual club members.

One concert is scheduled in Oakland on Sunday, the 27, and the club will return the next day.

Travel will be by chartered bus. In San Francisco proper, the group will stay at the Y.M.C.A. Hotel. When singing nearby, they will be housed and fed by the members of the congregations of the various churches for

which they sing.

EUROPE? MAYBE

Since the Glee Club returned from its highly successful trip to Squaw Valley and the Winter Olympics, there has been some thought to planning another trip for the Glee Club.

Several administration officials have wondered out loud if it might not be possible to plan a trip to Europe and Russia for the Caltech group.

Last Tuesday, the Glee Club was asked if it might not be interested in a possible European Concert Tour.

If there is sufficient student interest, a check will be made to determine the possibility of US State Department sponsorship and help. If this can be obtained, then a look at financing the trip can be taken. For the present, though, nothing definite has been done.

Green Elephant Takes Gas

Last week end was a sad week end for Dabney House.

It all started Friday night as the Men in Green followed the Men in Maroon into Scott Brown Gymnasium for the Seventh Annual Interhouse Sing. An hour later it was over and the Rowdies had won their Seventh Annual Interhouse Sing Trophy.

The score was 180 to 167. The other two Houses scored 166 and 161, but that's kind of unimportant.

Ricketts' venerable sage, Pete Kastan, summed up the evening. "Ricketts should have won. It's been over a year since their last win."

But the men from the Sunny Corner had not seen the last of their difficulties.

Saturday afternoon the Gallant Green headed for Paddock Field and — so they believed — tamer opposition. Some young upstarts from New Student House B had challenged the Darbs to

Balloting for new House officers is over in five of the seven Houses—Dabney, House C, Ricketts, House A, and Blacker. Fleming and House B will vote this evening to wind up House elections.

DABNEY

House elections took place March 2 in Dabney. The newly elected officers are: John Lohman, president; Doug Shakel, vice-president; the team of Carl Hamilton-Frank Ridolphi, social vice-presidents; Marty Schultz, secretary; Julian Prince, treasurer; the team of Charles McBurney-Harold Haskins, athletic managers; Vic Engleman, historian; Bill Francis, librarian; Wendell Mendell, comptroller.

HOUSE C

Last Sunday, March 6, saw the election of House officers for next year's new House C. The list of officers reads as follows: Joel Donnelly, president; Eli Chernow, vice-president; Doug Fenwick, secretary; John Todoroff, treasurer; the team of Ollie Seely-Bill Farrell, social chairmen; the team of Ron Gatterdam-Ed Riggs, athletic managers; Ken Manly, librarian.

RICKETTS

Ricketts House elections were held last Monday evening. New Ricketts House officers are: Rod Dokken, president; Ben Burke, vice-president; Dick Jones, secretary; Gary Turner, treasurer; the team of Lowell Hill-Marty Hoffman-Barry Moritz, social chairmen; the team of Rusty Marr-Doug Stewart, athletic managers.

HOUSE A

New House A elected officers last Monday evening. Officers are: Bob Koh, president; Stan Sajdera, vice-president; Frank Mullin, secretary; Matt Couch, treasurer; the team of Pete Metcalf-Geary Younce, social chairmen; the team of Bob Hearn-Roger Noll, athletic managers; Dave Siegel, librarian.

BLACKER

Blacker House elections started last Thursday, March 3, with the election of Gary Walla, president; Al Pfeffer, secretary, and Dwain Reed, athletic manager. More balloting took place yesterday evening. As we went to press the candidates for the remaining offices were: vice-president — Dave Drummond, Mike Townsend; treasurer — Larry Altman, Joe Bocklage, Herm Rickerman; librarian—Bob Diller, Dick Robertson.

FLEMING

Fleming House elections are set for this evening. The list of candidates reads as follows: president — Gary Ihler; vice-president—Bob Long; secretary — Dave Casseres, Hayden Macurda; treasurer—Mickey Lindner, Jock McLeaish, Arch Thiessen; social chairman — the team of John Soule-John Trenholme-Ted Tarby-Chuck Radoy; athletic manager — the teams of John Russ-Tom Anderson and Bob Gershman-Bob Lin-Bill Rowe; librarian — Bill Burke, Howard Wang.

HOUSE B

Elections for House offices in House B are also set for this evening. Candidates for House offices are: president — Bill Hogan; vice-president—Bruce Abell, Larry Kugler, Dick Thompson; secretary — Gary Chamness; treasurer—Rich Harris, Tom Sallee, Dick Hess; social chairman — the teams of Pete Lippman-Bob Poe and Mike Malley-Ralph Dawson athletic manager — the team of Pete Ford-Dick Brandt-Larry Seely.

Nason Heads Y Officers

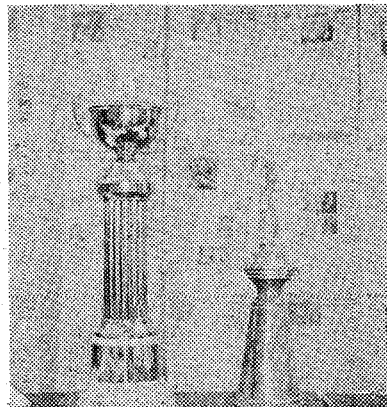
Bob Nason was elected next year's YMCA president in elections held Tuesday evening in Dabney Lounge. He succeeds Dave Cassel.

Other new officers named in the well-attended vote were Barry Gordon, vice president; Eli Chernow, treasurer; Paul Purdom, secretary; Stan Klein, national representative, and Carl Royainen, publicity manager.

The new officers will take office early next term and serve through second term next year. They will have charge of overall planning of YMCA functions.

Other matters considered by the general meeting of YMCA members included next year's Leaders of America program, and the problems posed to the Y by the addition of three new undergraduate and four graduate houses. Suggestions offered included getting Leaders to stay longer, and distributing Y funds to the Houses to operate their own visitation programs.

Y programs on tap for next term include a Leaders visit by Psychologist Carl Rogers, the inventor of the "non-directive" system of psychotherapy, a film series, and various campus visitors.



Symbols of the Elephant's Lost Weekend accumulate in the Rag office.

a round of Discobolus football. An hour later it was all over and House B had won their first Interhouse athletic event. The score was 7 to 0.

Dabney intrepid sage, Doug Shakel, concluded about the week end. "Let's just melt down the trophy and forget about the whole damn thing."

Editorial

The Yellow Age

The scene is a plush, old castle in exotic San Marino. A high wall surrounds the castle and a Russian Czaress with a pair of chained Leopards guards the gates. It is late at night.

Inside, deep in the castle's cellars, a team of captive San Marino High School girls are handling the operation of a modern, high-speed rotary printing press. Another team are busy preparing thousands of bundles of yellow publication for distribution.

Upstairs, in the main hall, a group of young students are also hard at work. Occasionally semicoherent mumblings break the intellectual silence, "Bump a nick."

The door to the great hall creaks open. A specter-like figure appears. The students gape in awe at the half-beautiful, half-terrifying sight. The Figure is that of a man. His hobbling, stooped form still carries the spark of a once tall, proud appearance. His eyes are strangely sad and tired. His torn and soiled sweater glows with an ethereal blue iridescence.

The Figure is gasping for breath. He makes his way slowly and painfully across the room as the students stand frozen with horror and reverence. In his hand he grasps a tea-stained ASCIT presidential campaign letter. As he nears the students his gasping grows more pronounced; blood begins to flow from the wound in his back.

Suddenly the Figure stops. A twisted sneer appears on his face. His jaw clamps shut. The Compazine has taken effect. He gasps unsuccessfully for his last breath, then slumps heavily to the floor. The paper from his hand lands at the feet of the students' leader. A sad peace fills the room. In the distance an angelic chorus, led by a raving maniac in a white sweater, begins voice exercises.

The leader quietly stoops and picks up the paper. He ignores the letter; his attention is drawn to a mystic symbol scribbled on the other side.

The symbol is a crude drawing of a smiling ogre and four carefully lettered words, "Beware of the Tisch-Todoroff." And in the corner of the paper, barely legible, but written with a strong, clear hand is a small

—cm

Letter

Cousins' Visit

Editor, The California Tech:

We recently had the honor of hearing Mr. Cousins talk to us about the necessity of stopping the arms race and of establishing some world-wide organization for the control of armaments.

Mr. Cousins put the problem in a clear way. Do we go on with the perfection of weapons upon which we have no adequate control, risking annihilation every day—would it be only by a silly mistake? Do we go on senselessly preparing for a war which we cannot win?

It seems to me, however, that the real problem lies elsewhere. Most of us agree with Mr. Cousins. But do we care enough to do something about this question?

Do we care enough about peace to work for it? Do we care enough about the millions of people killed in the last war to prevent the billions of dead in the next one?

Do we care enough about our culture, about our achievements, about the science of which we are so proud, not to risk them all in a universal cataclysm?

Are we at all concerned about the billions of dollars spent on arms which are not going to profit us, when that money could be put to much better use?

Do we care at all about our personal future or the future of mankind? Do we care about the world we leave for our children?

This is the size of the problem. The fact that only about 10 per cent of the student body came to hear Mr. Cousins and the fact that one Caltech student could say to me in all seriousness: "Why does the Y have to bring those people here? I don't care what they do or what they say!" — these two facts seem to answer "No!" to all my questions.

Where is then the spirit of Humanitarianism which is traditional to universities? Where is the "cream of the crop," this responsible elite which students are supposed to be?

JOSEPH HELLER

Opinion

Carnoy Comments On Caltech's Social Life

BY MARTY CARNOY

This past two weeks the Caltech student body has received just the kind of publicity it needs to promote the general conception of the Caltech undergraduate with respect to women. The Pasadena Independent got hold of the social life article run three weeks ago under a letter to the editor heading. With their usual avidness for negative publicity about Caltech students, they took choice quotes from the original article, making undergraduates seem even more inept than they are. Worse, a few days later, the Pasadena Independent article was run, slightly edited, in the L.A. Times. As the originator of this pseudo-scandal, I feel that a sequel is called for.

With social chairmen campaigning and the sudden desire to do something about our true inability with the outside world social life, the obvious question is: what are we going to do about it? It's not the easiest thing in the world just to go out and become social mainly because the average student cannot even play the social game (and, unfortunately, it is a game) with high school girls.

He is thrown onto the field with professionals without ever having learned the rules. I think that the difference between doing well socially and consistently falling short is simply confidence. And confidence comes with time. (Contrary to student rationalizing, there is plenty of time.)

It's got to be done—if the Houses don't provide available girls, then the men have to go out on their own and find female company. Without practice and without meeting various situations with various types of people, confidence is impossible.

Now that the truth is out, I think that it's a good time to do something about it. A lot of girls have become interested in our problem — they are offering to help the poor Caltech undergraduate get out of the rut (it happens that there are a lot of good-looking, intelligent girls in just about the same rut). Their outlook is one of both curiosity and pity. It becomes a question of establishing relationships with our benefactors by appearing better than they think we are. It may take a little effort.

Last week, in another publication, there appeared an unsigned article, that mentioned something incoherent about females on campus and about undergraduate marriages. There is a current trend toward early marriages, it is true, but it is impossible to generalize about the reason for them. The insecurity of our time is certainly a big reason and so is the insecurity of the individuals themselves. Those who have never tasted wine, suddenly become connoisseurs, they think, and decide that the first girl is the girl. This consideration refers to the majority of early marriages at Caltech and it is an unfortunate consideration.

Today's social world demands more knowledge of people, both men and women, than the graduate of our fair education has. By marrying before he even begins to appreciate the perspective of an untied, irresponsible individual, he cuts off a lot of possible knowledge of reality; his empathy possibilities are irrevocably limited. Life has a lot of aspects, and it's every man's responsibility to himself to be aware of as many of these aspects as his circumstances permit.

The undergrad gives up these opportunities for what? Most never went out with anything but security on their minds; he finds a girl he likes, or rather one that likes him, and he stops looking further because it's so easy to continue in this state. He has a date for every party and he is content. The fact is, although he is learning all about one individual, his knowledge of women and how to be at ease with them, is increased very little. The particular girl friend soon ceases to be a girl but rather a kind of undefined object of affection. Sometimes, the undergraduate marries this first girl; sometimes the second. How many go through 50 or 100 as does the normal collegian?

The Caltech "type" is in love with security; often he never finds love at all. In order to change that "type" picture, all that he has to do is improve his knowledge of local talent; and the experience will eventually lead to a new look.

The California Tech

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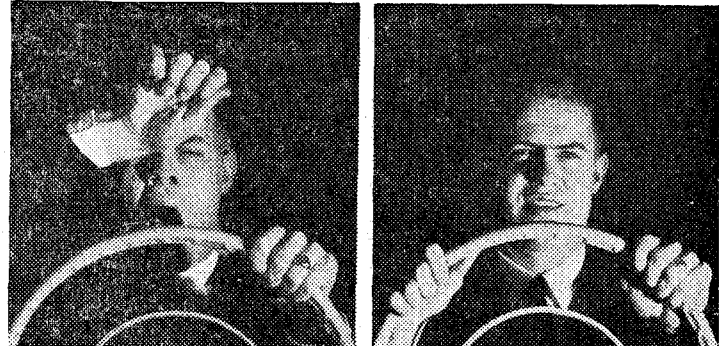
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...AND SHOES

by griffen



Dear Griffen:

I am a sophomore in college and I want to become an existentialist so that I can meet some girls with interesting opinions. The gang at the church feels that I am going too far, but all that the girls at the church socials can think of is one thing and they don't like to enter into discussions of contemporary affairs.

Emotionally Insecure

Dear Insecure:

Your problem is a common one. Many boys and girls today are in the same predicament; the conflict between the church social and realism is hard to reconcile. And I know what you mean about those girls. All the time, all the time. But let me point out that there is no substitute for parental guidance, and if that fails to give you an ambiguous answer, try Dick Clark.



Insecure and Inept



Dear Griffen:

I am a senior at Caltech and not so long ago a very influential columnist on campus wrote a series of articles using an adaptation of my name for the protagonist. People soon began to call me by this name and I became quite angry, so I started a series of my own in a rival publication using a very funny play on the columnist's name for my protagonist. Unfortunately, this name didn't seem to stick at all while everybody on the campus still labels me a dirty foreigner.

Inept

Dear Inept:

Perhaps you fit his description of you so perfectly that the natural association that your friends make is difficult to overcome. Being an unbiased observer, I would suggest running away to some corner of the world where nobody knows you and try to build a new life there. Try House C.



Miss Horter

Dear Griffen:

The interesting article (enclosed) in the Los Angeles Times, containing some of your comments concerning the social situation at Caltech, brought to mind a similar situation at my college — Whittier. There is a difference, however, for it is

the girls who are almost dateless, rather than the fellows. I must add that this lack, for the most part, is not due to the absence of personality, looks or intelligence, as far as the female population is concerned, but a lack of eligible males. This small male ratio is bad enough, but when those who are present seem disinterested or arrogant because of their position it seems downright abominable. So I give you this comfort: you Caltech men are not alone in the social vacuum. I am certainly not in the habit of doing things like this, but after reading that article, I just couldn't resist the urge to let you know that the Whittier College women have similar problems. By the way, what is your "concept of a ripping time?"

Sincerely yours,
Terry Horter

Dear Terry:

Thank you for your charming letter. It is too bad that the Caltech commoner will probably not drive the demi-hour to take advantage of your subtle invitation. On the other hand, I personally would be glad to demonstrate my concept of a ripping time to any demonstrative Whittier girl. It's quite undescribable in words.

Lost Weekend Set
For May 13, 14, 15

ASCIT has set the date of this year's Lost Weekend as May

13, 14, and 15, it was announced Monday night by new social chairman Tim Little.

Interview Sked

Thurs., 10 — Lawrence Radia-

tion Lab, General Atomic, US Science Corp., Emerson Electric.

Fri., 11 — Kimberly-Clark, Combustion Engineering, Texaco, Wyerhaeuser, Goodyear.

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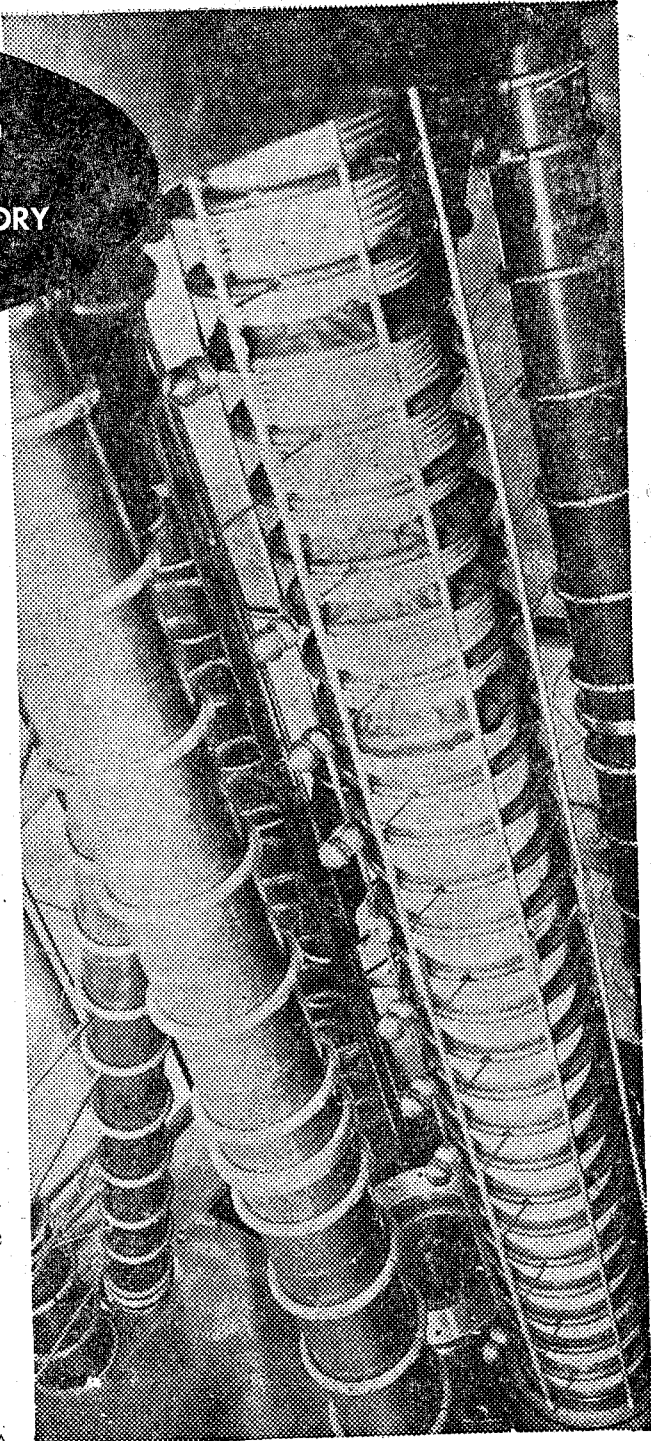
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The California Tech

SPORTS

Tankmen Win 4th Straight Conference Relays Title

Tennis Squad Whips CHM, Drops Match To Occidental

Caltech's tough tennis team wakkled past Claremont last week end, whitewashing the visiting Stags, 9-0. The Beavers won all matches easily, with the exception of number two players, Dave Butterfield, who was extended to three sets to win his second singles match.

Dick Hess and Carl Morris, Caltech's other top singles players, waltzed through their matches, 6-1, 6-3 and 6-3- 6-1, respectively.

Ced Jones, Steve Hechler and Bob Hearn also won handily,

Guy Named Newman Is All-SCIAC

Fabulous Fred Newman was named to the SCIAC All-Conference basketball squad last week at a meeting of the league coaches. Newman was the league's leading scorer, averaging better than 21 point a game, and led the Caltech varsity to its highest conference finish in five years. It is the third year for Newman on the honor squad.

The captains for this and next year's teams were elected recently by the players. Fred Newman and Len Maley were picked as co-captains for the 1960 team, and Bill Ripka was named captain for the 1961 aggregation.

Other players chosen for the All-Conference team were Jack Schroeder, Redlands' sensational sophomore; Mike Murphy, who scored 41 point against Caltech in the second Oxy game; Herm Mason, Whittier's tall and talented center, and Carroll Hooks, steady Whittier forward.

Golf Team Nabs Top-Notch Coach

With their final match of the term tomorrow, the Caltech golf team currently sports a 0-2 record in exhibition play. Los Angeles State JV whipped the Beavers 7-17 in the season opener and Pasadena Nazarene defeated the Techmen last week on the Brookside course.

Ken Larson is now top man on the nine-man squad with Joel Cointment, Al Funata, Wes Shanks, Jim Sorenson and Gary Ihler making up the rest of the top six men.

Warren Simmons, first-year physics grad student and the new coach, was a three-year letterman at Syracuse, an All-American last season, eastern champ and NCAA quarter finalist. He toured the Par-70 Brookside course in 64 last week.

Sorenson is captain of this year's squad with last year's top two men, Jerry Siegel and John Bard, unavailable for duty.

BY PETE RONY

Sparked by the season's best performances by almost every Caltech participant, the frosh and varsity swim teams were victorious in the Conference Relays held at Claremont last Saturday. Coach Webb Emery's varsity teams have now won the Conference Relays for four straight years. This is the second year in a row that the frosh have occupied the top spot.

While succeeding to place first in only the distance medley and backstroke relays, the varsity's depth proved decisive as it took second places in the breast-butterfly and freestyle relays., a third place in the medley relay, and seven points in the diving competition.

Doug Dunham, Roger Bland, Gary Tuner, and Russ Russel

due to darkness. When the postponement was made, the Beavers had won the first set quite handily.

teamed up to defeat a strong Claremont-Harvey Mudd backstroke relay team in the excellent time of 1:57.8, while Tom Tisch, Russ Russel, Gary Mitchell, and Gary Tibbetts managed to defeat a surprisingly strong Redlands distance medley team by two seconds.

Pomona edged out the breast-butterfly relay team of Marshall Buck, Bill Hogan, Gary Mitchell and Bill Howard by four-tenths of a second in one of the most exciting races of the day.

Bill McLennan scored a personal high, taking third place in the diving competition, while Bob Thompson took fourth. They will insure Tech a strong showing in the diving event in future duel meets this seasason.

In the freshman competition, Caltech edged out Occidental, 58 to 52. Larry Daubek put on a fine closing sprint to make up a deficit of five seconds and carry

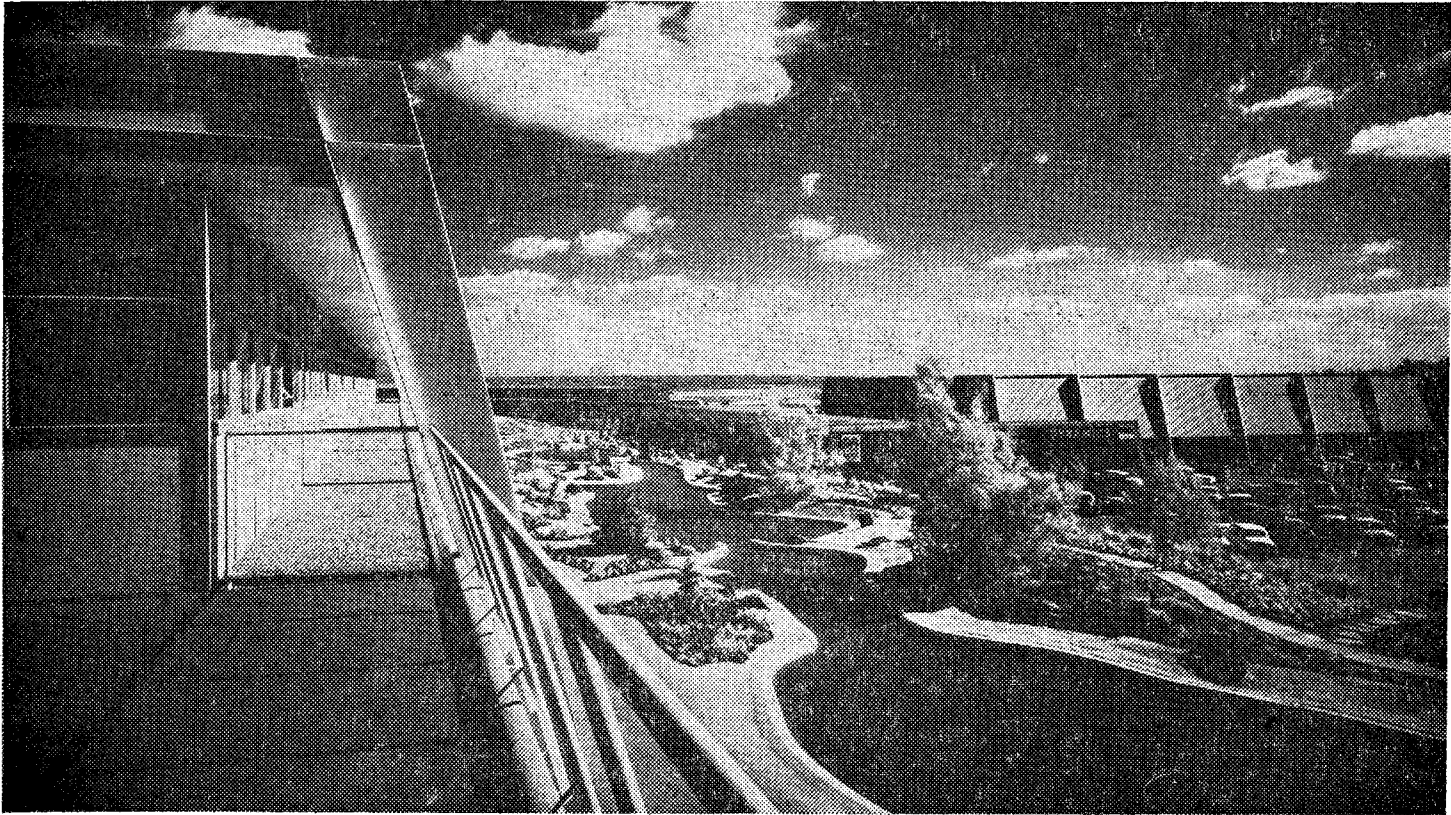
the freshman medley relay to a victory over Occidental. Backing up this performance were a first place in the backstroke relay, second places in the freestyle and breast-butterfly relays, and a third place in the distance medley. There was no diving competition.

WIN THREE-WAY MEET

Last Thursday, the varsity team defeated somewhat undermanned squads from Los Angeles State and Cal Poly in a triangular meet.

First places were scored by both relay teams, Russ Russel and Gary Turner. The time of 3:50.3 posted by the winning freestyle relay team marks it as a serious threat to win the conference championship at the end of the season.

On the basis of these performances, both the frosh and varsity squads must be considered as top contenders to retain their conference crowns.



Environment for Exploration

The John Jay Hopkins Laboratory for Pure and Applied Science at General Dynamics' General Atomic Division in San Diego, California, is a modern center of research and development, where new ideas and techniques are vigorously pursued. Here, strong engineering and development activities are matched with broad basic theoretical and experimental research to create an ideal environment for productive efforts in the nuclear field.

Here, advanced work is underway on the High Temperature Gas-cooled Reactor (HTGR), which promises to be a major short cut to the nation's goal of economic nuclear power. The prototype HTGR plant will be constructed by 1963 for Philadelphia Electric Company and High Temperature Reactor Development Associates, Inc.

Here, engineers and scientists work in a creative atmosphere on other advanced programs, including the MGCR gas-cooled reactor and closed-cycle gas turbine system for merchant ship propulsion . . . TRIGA reactors for training, research, and isotope production, which are now being installed on five continents . . . small nuclear power systems . . . test reactors . . . nuclear power for space vehicles . . . thermoelectricity . . . controlled thermonuclear reactions.

Rapid expansion of these programs has led to increased engineering activity and created openings for men, preferably at the graduate level, who seek a high degree of individual responsibility coupled with unusual opportunities to demonstrate their initiative and ability.

Nuclear Engineers, Metallurgists, Ceramists, Mathematicians - Programmers, and Experimental and Theoretical Physicists are invited to consider opportunities now existing in varied program areas. Please contact the placement office to arrange an appointment with the General Atomic representative who will be at your campus on

MARCH 10

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Interhouse

Dabney Leads Volleyball Race, Wins Big Discobolus Game

Baseballers Blow Lead, Lose 13-12

Blowing a huge 12-5 lead in the last two innings, the Caltech baseball squad lost an error-studded 13-12 decision to Westmont at Santa Barbara Saturday. This exhibition loss pushed the Beaver season record to 0-4 and closed play until spring vacation.

The losers outthit Westmont 15-8, including a pair of home runs, but were hurt by the 18 walks issued by Beaver pitchers. Skip Stenbit, junior first baseman, provided the bright spot in the still-potent Beaver offense with an eighth-inning grand-slam home run deep into left field.

John Walsh also clubbed a homer in the eighth, driving in two runs.

With the score reading 5-3 for Westmont going into the eighth inning, Caltech sent 13 men to the plate and collected nine runs, for the largest output in one inning all season.

Then the Westmont team, previous winners over the Beavers, shoved across four runs in the eighth and ninth innings to take the narrow win.

Dave Blakemore, newly elected captain, was a surprise starter on the mound and creditably pitch three innings, allowing only one run. Steve Heineman finished the fourth frame and Buzz Merrill came into the game in the fifth inning. Bill Palke relieved Merrill in the sixth inning and finished the game.

Merrill, continuing his lusty batting streak, clipped four hits in five trips. Stenbit, Herm Hartung and soph Joe Bocklage collected two hits apiece.

Sailors Grab Second Place

The sailing team came through with a second place in a regatta held last Sunday. This was a very important victory in that the Beaver's moved into serious contention for second place in the Southern Series.

Orange Coast won the meet easily with 34 points. Caltech, with 28 points, beat their old rivals Oxy and Santa Barbara, who had 20 and 24 points, respectively.

Tom Bowman was third in each of the four races in which he participated. Lowell Clark got a first, two seconds, and a third.

The standings in the Southern Series are the same as they were, but the point totals have changed. Orange Coast maintained its commanding lead on first place with its victory; it now has 24 points. Santa Barbara, Oxy and Caltech are fighting it out for second place with 19, 18 and 17 points, respectively.

A week from this Sunday, Clark and Bowman will compete in a Southern Series elimination meet to determine entries in the regattas for selecting of the Olympic team. The meet, which should be very exciting, will be held at the Newport Yacht Club.

Only Blacker House stands between Dabney and the Interhouse volleyball championship. The Darbs, currently on top of the chase with three straight victories, are a full game ahead of Ricketts and Blacker, both of whom sport 2-1 records.

Yesterday Dabney added the third victory to its slate, whipping Fleming. Tuesday, Blacker whipped Throop to keep alive hopes for a tie for first. Monday Ricketts also kept their hopes alive by beating Fleming.

Present standings show Dabney, Blacker and Ricketts in the top three spots, in that order, with Fleming in fourth spot with a 1-3 record, and Throop last with a 0-3 record.

This afternoon Ricketts closes out its season by playing Throop, and tomorrow Dabney meets Blacker.

Discobolus

Dabney just about cinched this year's Discobolus chase Tuesday by running away from Fleming in football, 26-7. After spotting the Flems a touchdown on the second play of the game on a field-length pass, the Dabney boys poured it on. Larry Brown and John Bard looked exceptionally sharp on defense, and Brown's passing on offense left little to be desired.

In an unofficial (according to sports editor Noll) Discobolus game, new House B manhandled (according to reporter Moler) Dabney, 7-0.

Thinclads Do Well In AAU; Face 4-Way Meet Tomorrow

Caltech's track team showed marked improvement in the AAU district meet last Saturday as it continued preparation for the league season next term. The frosh looked especially good.

In the college varsity division, Caltech's distance medley team got a fourth place; the Beavers also managed a fifth in the half-mile relay. This was in competition with the teams of all Southern California colleges, including state colleges.

Lannes Purnell won third place in the javelin with a 189-foot effort.

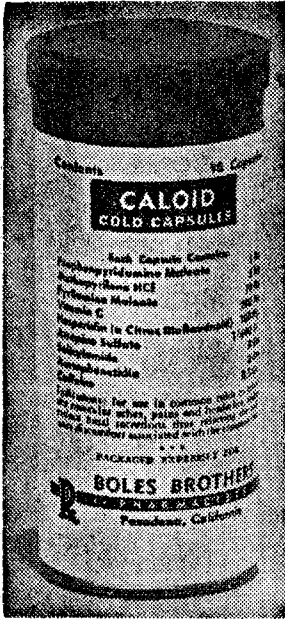
The frosh, on the other hand, competed in the open freshman division, and had to compete against the local universities as well as the colleges. Neverthe-

less, they won a fourth place in the 880 relay and a third place in the mile relay. Among the teams which Caltech defeated in the mile relay — the most important intercollegiate relay event — was UCLA.

DAVIS TO APPEAR

Tomorrow, the Beavers host Riverside, Pasadena Nazarene, and San Fernando State at 2:00 p.m. The four-way meet will be held at Tournament Park. The boys in the know pick the Beavers to win easily. Of interest to track fans will be the possible appearance of Dave Davis, one of the nation's best shot putters. He will compete for San Fernando State if he is eligible.

FROSH
Thanks to 16 unearned runs, the frosh baseball team dropped a game to Pasadena Nazarene Tuesday, 16-9. Marty Hoffman had a 4-2 victory in sight until the ninth inning when the visiting Crusaders exploded for 14 runs. Barry Moritz hit the Beavers' first home run of the season.



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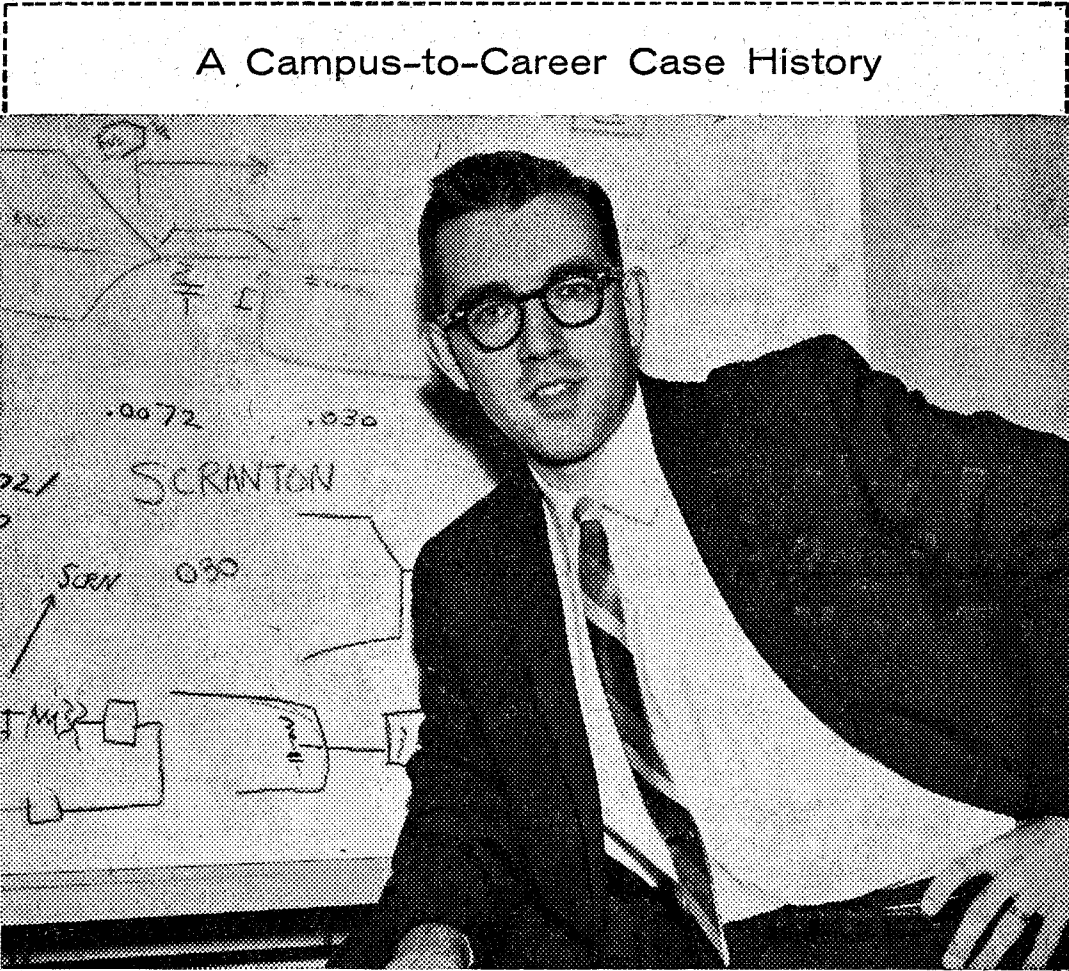
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"I found I could be an engineer —and a businessman, too"

William M. Stiffler majored in mechanical engineering at Penn State University —but he also liked economics. "I wanted to apply engineering and economics in business," he says, "and have some administrative responsibilities."

Bill got his B.S. degree in June, 1956, and went to work with the Bell Telephone Company of Pennsylvania at Harrisburg. During his first two years, he gained on-the-job experience in all departments of the company. Since June, 1958, he's been working on transmission engineering projects.

Today, Bill is getting the blend of engineering and practical business-engineering he wanted. "The economic aspects of each project are just as important as the

technical aspects," he says. "The greatest challenge lies in finding the best solution to each problem in terms of costs, present and future needs, and new technological developments."

"Another thing I like is that I get full job-responsibility. For example, I recently completed plans for carrier systems between Scranton and four other communities which will bring Direct Distance Dialing to customers there. The transmission phase of the project involved almost a half-million dollars—and it was 'my baby' from terminal to terminal."

"Telephone engineering has everything you could ask for—training, interesting and varied work, responsibility, and real management opportunities."

Bill Stiffler and many college men like him have found interesting careers with the Bell Telephone Companies. There may be a real opportunity for you, too. Be sure to talk with the Bell interviewer when he visits your campus—and read the Bell Telephone booklet on file in your Placement Office.



BELL TELEPHONE COMPANIES

Jet Lab Sec. Wins Lead In ASCIT Play

The Catech Drama Club has finished casting for this year's ASCIT play. Twenty-four girls and 19 Techmen auditioned for parts in "Dark of the Moon," to be presented April 20 through April 23. The unusually large female turnout was an unexpected blessing; to accommodate this supply of talent and pulchritude, Mike Talcott, the director, has written in extra parts for three bewitching Witch Gals.

The leading female role of Barbara Allen was given to Tami Kirk, a secretary at JPL. Playing opposite her will be Art Robinson, a promising Dabney freshman. Art will portray a Witch Boy who is transformed into a human. This transformation is effected by the Conjur Man, played by House B's Steve Langey, and the Conjur Woman, played by Karen Beach, the star of last year's ASCIT play. Stu Goff, as Preacher Haggler, and Ken Marcroft, as Marvin Hudgens, also take important roles.

The Witch Gals are: Becky Salcido, Bradna Watson, Janet Bartoli; Rae McCardie, and Dagmar Linde. Other girls to be seen are: Sue Bassett, Sandra Kollersz, Hildy Fuss, Nancy Rose, Kathy Morris, Sue Hereford, Marny Ennis, Dottie Vingoe and Mimi Wright. Other men in the cast are: Bill Kern, Jon Francis, Hap Gier, Bil Hogan, Bob Goldstein, Larry Sloss, Tony Grande, Richard Harris, and the winner of the Contest role.

Most of the disappointed auditioners (even the girls) have taken jobs in the technical branch of the production. There are still openings in set construction, stage crew, and properties committee; if interested, see Bob Poe. Those interested in publicity or ticket sales should contact Pete Lippman.

Those still wishing to take an acting role should question Art McGarr about the Contest role.

Four Techmen Win \$1500 Fellowships

Four Techmen have won \$1500 graduate fellowships in a nationwide competition, it was announced today. The Woodrow Wilson National Fellowship Foundation has made awards to Eric Adelberger (Physics), Donald Anderson (Mathematics), Gerald Jantscher (Economics), and Gary Zimmerman (Chemistry). The fellowships are part of a group of 1259 to seniors interested in careers as college teachers.

Honorable mentions were won by Donald Lawler (Chemistry) and Howard Weisberg (Physics); these men have been recommended for fellowships to 1000 graduate schools.

Understanding Unit Applies Soph Phys To Flying Saucers, Metaphysics, Life

William A. Foos and daughter (also named Foos—poor thing) will present a demonstration of telepathy Saturday night at the Pasadena Science of Mind Church, 1164 North Lake. Things Health Magic" and "Introduction to Mechanics, Heat, Electricity and Optics of Flying Saucers."

His speech will be sponsored by the Pasadena Unit of Understanding, 313 East Orange Grove. The Unit is interested in flying saucers, life on other planets and metaphysics.

will start hopping at 8 p.m. and admission will be free.

Miss Foos will give a demonstration of telepathic power taught her by her father. Mr. Foos says doctors can't understand the process.

For Flying Saucer specialists, Michael V. Barton will speak tonight at 8 in the Odd Fellows

Hall, 175 North Los Robles. He is the well-known author (under the name of Michael X) of the popular textbooks "Venusian

Science Quarterly Asks For Stories

"Particle," a Quarterly published at the University of California, Berkeley, is interested in soliciting student contributions from Bob Nason, Blacker, who is campus representative.

The magazine is a quarterly published "by and for science students," and all of the articles in it are by high school and college scientists.

Applications

(Continued from page 1)

plications close April 18. Interviewing will be by Liebovich, Golden (chairman), and Jim Blackman, present business manager (for business manager) and Joel Tenenbaum, present editor (for editor).

Head Yell Leader: applications close April 25. Committee is Norman (chairman), Bob Juola, ASCIT athletic manager, and Carl Rovainen, this year's yell leader.

Student's Day Chairman: applications close April 25. Committee is Norman (chairman), and Harold Stark, this year's chairman.

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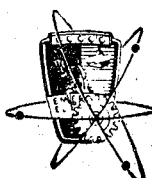
Our Electronics and Avionics Division, formed in 1940, is the world's leading developer and producer of active defense systems for strategic bombers . . . the B-52H and B-58. We are involved in radar development, parametric amplifiers, electronic scanning and complete radar fire control systems, servo devices, analog and digital computers, supersonic airframe structures, automatic test equipment for airborne electronic systems, missiles, rockets, launchers and mortar locators.

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