

California Institute of Technology
Pasadena, California, Friday, March 30, 1951YOU
LUCKY
PEASANTS!

Volume LII

No. 21

Hawaiian Dance In Culbertson

Eight PCC Girls Led by Lani Revuelto To Present Previously Cancelled Assembly

Today at the assembly a group of eight girls from PCC led by Lani Revuelto will present a program of Hawaiian dances.

Lani came to this country about three years ago and is one of the few people who know all the dances to be put on. She has taught dancing to several screen celebrities, one of whom is Margaret O'Brien.

The scheduled program is as follows:

Two solo numbers by Lani Revuelto.

A gourd dance.

Four numbers by the entire group.

This assembly is the same one that was scheduled for last term but was called off because of the illness in the troupe.



Photographer Ed Bryan said smile—and meant it, as he took this picture of the PCC Hawaiian dancers appearing at this morning's assembly.

Institutors Elect New Officers

Last night the Institutors, Caltech's largest service organization, held their elections. Bill Gardner was elected president and Ed Bryan vice-president.

House representatives are Kim Hamberger, Ricketts; Reinaldo Gutierrez, Dabney; Bob Wood, Fleming; Teddy Einwohner, Blacker; Teddy will now be serving his second term in office.

Purpose of Institute

The purpose of the Institutors is to get the hard jobs around the campus done in such a way that there is a fair distribution of work. The working members have finally been given recognition through the honor point system.

Interview Schedule

MARCH, 1951

THURSDAY, 29—BS and up/Ch, CHE, ME, MONSANTO CHEMICAL CO., Santa Clara, California. O. C. Jones. Employment in midwest or east (few possibilities on west coast).

THURSDAY, 29—BETHELHEM PACIFIC COAST STEEL CORP. Interviews for Loop Course. All men who filed applications, and any additional ME or CE.

THURSDAY, FRIDAY, 29 & 30—all degrees/Ae, EE, CE, Ma, ME, Ph. BOEING AIR-PLANE CO., Seattle, Wash. G. L. Hollingsworth, Harlowe Longfeller, T. V. David, and H. J. Runstad.

THURSDAY, FRIDAY, 29 & 30—Group Talk, STANDARD OIL, Overseas, 4:15 p.m., 108 Dabney. CHE, EE, ME, CE, STANDARD OIL, Overseas, O. H. Shellen. Interviews.

FRIDAY, 30—All degrees/Ae, Ph; Adv. degrees/EE, ME, CE, CONAIR, San Diego, Calif. H. Dunholter, M. Dublin, and R. Shick. Aerodynamics, Dynamics, Structures, and Thermodynamics.

FRIDAY, 30—BE & up/Ch; MS & up/Ch. M. W. KELLOGG CO., New York, J. Passino. Interviews.

APRIL, 1951

MONDAY, 2—BS, MS/CHE, ME, LINDE AIR PRODUCTS, Tonawanda, New York. H. Fitzgerald, Dist. Supt., G. W. Patch, Sup't. West Coast Region.

MONDAY, 2—BS & up/EE, ME, Ph, Ma, BILL JACK SCIENTIFIC INSTRUMENT CO., Solana Beach, Calif. Andrew Kay.

TUESDAY, 3—BS & up/EE. THE SPERRY GYROSCOPE CO. NAMTC, Pt. Mugu, California. W. M. Silhavy.

TUESDAY, 3—BS, MS/E. MOTOROLA, INC., Chicago, Illinois. Electronics field, specially in ultra high frequency and communications circuits.

TUESDAY, WEDNESDAY, 3 & 4—Group Talk, PHILCO CORPORATION, 4:00 p.m. BS & up/EE, ME, Ph. PHILCO CORPORATION, H. G. Hagerty.

THURSDAY, 5—(NAMTC possible). GENERAL PETROLEUM, Vernon, Calif. J. G. Chafna of Research Lab. BS, MS/Ch, CHE (Dev. work in pet. processing, including pilot plant; chemical analysis work leading to problems involved in performance of pet. fuels and lubes. Production Lab. T. A. Burton, BS/Ch (physical CHE, Ph (Surface forces, P.V.T. reservoir behavior, drilling muds and fluids).

MONDAY, 9—CHE, ME. RAYONICA, INC. Hoquiam, Wash.

MONDAY, 9—Group Talk, GENERAL MOTORS, 4:15 p.m., 205 Dabney.

TUESDAY, 10—BS & up/EE (Aerodynamics), NORTHROP AIRCRAFT, Downey, California. I. Ashkenas and Carl Friend. Any aerodynamicists even though interviewed by Northrop earlier.

TUESDAY, WEDNESDAY, 10 & 11—BS/EE, BS, MS/EE, CHE, ME; all/Ph. GENERAL MOTORS, Detroit, Michigan. A. S. Voorhees.

WEDNESDAY, 11—BS, MS, PhD/CE, EE, ME, CHE. BECHTEL CORP., San Francisco. Calif. M. Dernoff. (Offer rather than field jobs, employment will be in San Francisco or Los Angeles).

THURSDAY, 12—NAVAL ORDNANCE TEST STATION. Group meeting with sound film. 4:00 p.m., 119 Arms. For SUMMER employment at five laboratories.

FRIDAY, 13—NOTS. Mr. Dale. Interviews for summer employment at five laboratories.

MONDAY, 16—NOTS. Group meeting with sound film. 4:00 p.m., 119 Arms. For permanent employment in any of five laboratories.

TUESDAY, 17—Interviews for above, Mr. Dale.

WEDNESDAY, 18—EE, ME, Ph, Ma, RCA VICTOR DIVISION, Camden, New Jersey. D. Urey and R. C. Coleman. (Design, development and research).

THE HYDRO LAB. is interested in BS, MS, PhD/ME, EE (particularly in need of MS/ME). Apply at once to Mr. McCraw at Hydro Lab.

Orators Enter Hearst Contest

Caltech undergraduates under 25 years of age have an opportunity to compete for the Hearst Ninth Annual Tournament of Orators being sponsored in this area by the Los Angeles Herald Express.

\$1000 First Prize

Finalists will compete for the national first prize, a \$1000 savings bond, in Los Angeles on May 17. Winners of the Los Angeles City finals will receive a \$200 bond as first prize, \$100 bond second prize, and other prizes of \$25 for each of those competing in the city finals. In

1948 a Tech undergraduate, Irving Sulmeyer, won the west coast finals and competed in the nationals in the East.

Interested?

Students at Tech who are interested in trying out are urged to see Mr. McCrary in Dabney 309 not later than next week.

Six Minute Limit

The subject of the orations will be George Washington. Orations will be limited to six minutes, with one minute grace.

Part Time Jobs

The placement office has requested that all students interested in part-time jobs during the third term register in 120 Throop today or as soon as possible and leave their new schedule, even though they may have been registered in previous terms.

New Officers Installed By Student Houses and Throop

GE Jet Model Seen at Tech

A demonstration model of the General Electric jet engine, the J47, is now on display between the Greasy and the ME building. Much of the metal has been replaced by clear plastic so that its operation can be demonstrated.

In the real engine air enters through the air inlet at the front of the engine and passes into the compressor. Here its pressure is multiplied about five times by the hundreds of blades packing it into smaller and smaller space. Forced into the eight combustion chambers, it is mixed with atomized fuel and burned.

Constant burning increases the energy of the compressed air and forces it through the turbine and out through the tail cone. The turbine, operating like a windmill, supplies the power to spin the compressor. The expanding gases, pushing their way out the rear at about 1200 miles per hour, give the plane a forward thrust much as air forcing its way out of an ordinary balloon causes the balloon to fly through the air.

The J47 is a result of years of research and development by General Electric dating back to the first gas turbines operated in this country by Dr. Sanford A. Moss in 1903. Because of the knowledge gained from these years of work, the Air Force in 1941 presented G.E. with a challenge—building the country's first jet engine. In less than a year a Bell P-59 Airacomet rose into the air powered by two IA jet engines, in the first jet-powered flight in the history of the United States.

Two Sections

Because backgrounds of the students vary over a wide range, the course will be given in two sections, running concurrently: the first being an elementary harmony and ear training course; the other, more advanced in scope.

Kline Instructor

The course will be taught by Mr. William Kline, director of the orchestra and instructor in music at ELAJC.

Tech Students Monitor Mobilgas Economy Run

by Budd LeTourneau

Caltech's Honor System has once more shown its value, although in an unusual way. It was largely the effectiveness of the honor system that prompted Mr. A. C. Pillsbury, M.I.T. graduate and local head of the American Automobile Association Contest Board, to enlist the aid of Dr. Peter Kyropoulos in selecting 50 Caltech students to act as official AAA Observers in the 1951 Mobilgas Economy Run.

These lucky students, ranging from freshmen to grads, had a chance to observe some firsthand automotive engineering and testing not ordinarily found in engineering classwork, and to meet a number of wheels in the automotive industry.

Grades Factor in Selection

Since the run involved missing school for four days just before finals, grades were a factor in Dr. Kyropoulos' selection from the applicants, who had to be approved by Dean Eaton. The only fellows that suffered much in the grading department were the few snakes who insisted on hauling books with them on the trip.

The run was a wonderful opportunity to see the sights of the Southwest. The route meandered through Death Valley, across Hoover Dam, and ended up at Grand Canyon National Park. The first night was spent at Las Vegas, at either the Thunderbird or El Rancho Vegas Hotels. Accommodations here were the epitome of elegance, with steak dinner and floor show provided, all expenses paid. Some of the boys tried out the gambling den, but few had the mathematical skill necessary to outwit the laws of chance.

Mountain Climbing

A full day was spent at the Grand Canyon, some of the

Tautz, Shreve, Schlenger, Dessler, Kitching, Elected House Presidents

At the end of last term the four houses and Throop club elected their officers, to serve this term and the first two terms next year.

Blacker's president-elect is Don Tautz; Stan Groner is vice-president. Social chairman is Earl Jacobs; Frank Dryden and Augusto Soux are secretary and treasurer respectively.

Shreve Heads Dabney

Wednesday night Dabney installed its officers, who are: Ron Shreve, president; Tom Stockbrand, secretary; Dick Dickinson, treasurer; Frank Ludwig, VP and social chairman; and Leon Michaelsen and Bert Snider, athletic managers.

Fleming elected Ed Schlenger prexy and Al Haber veep. Norm Gray is secretary and Mell Cassidy is treasurer. Co-Social Chairmen are Bob Lynam and Don Handen. John Forgy and John Kidder are athletic managers and the librarian is Jim Collins.

Dessler Ricketts Prexy

Alex Dessler is the new president of Ricketts, since Wednesday night. John Noble was elected vice-president, but he has since left school and a new vice-president has not yet been elected to replace him. Bill Gardner is secretary; Don Tierney, treasurer; Walt Eager, social chairman, and Ernie Weber was elected athletic manager. The officers were given a rather violent informal initiation on the night of their election.

New Throop Officers

Gil Kitching was elected president by Throop club. Gil is also ASCIT's First Rep and ex-Social Chairman of Throop. Veep is Dick Fuller, while John Lloyd and Fred Garrison are respectively Secretary and Treasurer. John Porter is athletic manager; Bill Edmondson is treasurer.

Exchange Tonight Set by Blacker

The Blacker social program gets off to a start tonight with an exchange. Girls from Hale Hall of the Pasadena Playhouse and Orr Hall at Oxy will be the guests. Saturday there will be an open house.

According to newly elected Social Chairman Earl Jacobs, plans are now being made for a party-dance a week from this Saturday. The theme will be "Aloha Night" and the decorations will depict life in Hawaii.

An attempt is being made to encourage all attending females to wear grass skirts.

Throop Reveals Social Program

Throop club has planned an extensive social program for the third term. Under the new social chairman, Bill Edmondson, the off-campus club will have a bowling party, an exchange dance, two beach parties, a formal dance, a barn dance, and a stag.

The first event on this program will be held this Saturday at the Pasadena Bowling Courts, where Throopers will have a bowling party at 8:30. There will be dancing afterwards in the Throop lounge.

Campus Calendar

FRIDAY, MARCH 30
1:30 Golf, Whittier Varsity at Tech
3:00 Tennis, Pomona Varsity at Tech
Frosh at Pomona

3:30 Track, Muir Varsity at Tech
Track, Citrus J. C. Frosh at Tech

4:00 Swimming, Frosh and Varsity at Pomona

SATURDAY, MARCH 31
1:30 Tennis, Varsity at Santa Barbara
Frosh at PCC

2:15 Baseball, Oxy Varsity and Frosh at Tech

9:00 Art Class

3:30 Film Classics, Culbertson

MONDAY, APRIL 1
7:30 Film Classics, Culbertson

TUESDAY, APRIL 2
4:15 Baseball, La Verne Varsity at Tech
4:30 Swimming, Muir Varsity at Tech

WEDNESDAY, APRIL 4
3:30 Tennis, Loyola Varsity at Tech
7:30 Geology Club

Movies Are Better Than Ever?

If you are dissatisfied with the present run of Hollywood movies, and most of us are, the Caltech film classics assemblies are a pleasant relief from the typical western and Bette Davis soap stuff.

Started Two Years Ago

The film classics were started at Caltech two years ago by the Museum of Modern Art with only 16-mm. films and were an immediate sell-out for both the Sunday and Monday night series. Now much more leeway is possible in the presentations, with installation of new 35-mm. projectors in Culbertson hall. However, the attendance has fallen off since last year, and these assemblies have been running at a deficit.

Five Films for the Price of One

The film classics assemblies can be presented to us at the remarkably cheap rate of 90 cents for five assemblies only because distributors let us have the films cheaply as they are being used for educational purposes. And those who have been attending these assemblies with their enlightening discussions before the film have profited greatly in Hollywood History-land. But others have realized that these evening assemblies are a fine idea for relaxation, and an extra ticket is an excellent way to be assured of a date every other week.

Outstanding Schedule

So take an evening off every other week—it won't ruin your chances for a 4.3, and the schedule looks particularly good this term, with such hits as the Marx Brothers' "Room Service" and "The Well Digger's Daughter," a purportedly red-hot French film.

For the first time, tickets are being sold by students in the Houses, and they can also be bought from Mrs. Pond in 119 Throop. The first show starts at 7:30 Sunday night.

HOW THE OTHER HALF LIVES

Editorial note: One of the most outstanding daily columnists in the United States in the present era is Sydney J. Harris, of the Chicago Daily News. Unfortunately, Harris' column is not syndicated to any newspaper in the Los Angeles area, so this week the TECH is running an exchange two of Harris' recent articles. The first excerpt is typical of Harris' debunking articles, and the second concerns the lighter vein in the world of music, which is one of Harris' favorite subjects, since he is also the DAILY NEWS drama critic.

Now Wrong People Sing in Taverns

Although not a drinking man, by nature or conditioning, there are times when I like to stroll into a tavern for a quiet drink with a friend. The catch in that sentence is the word "quiet."

A tavern used to be something of a male sanctuary. You could sit and sip and speculate on the universe, or speculate on nothing at all. You could chat with a friend, and be heard without raising your voice. You could even, if I may use that almost forgotten word, have a little privacy.

One evening last week, a friend and I walked for four blocks along a street heavily punctuated with taverns, from dingy holes in the wall to glittering palaces of pleasure. We ducked of heads into each door, and just as promptly pulled them out again.

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California Tech

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eventually how he aids the robot to reproduce his dead human companion.

Other Efforts

Old-time S-F Writer Al de Pina is working hard on a science fiction film to feature sunpower. Ray Bradbury may have his

"Martian Chronicles" filmed . . .

and, on the brighter side, is the news that Chesley Bonestell is

technical adviser to the George

Pal production of Edwin Balmer and Philip Wylie's novel, "When Worlds Collide."

Main change here is that equal numbers of

men and women crew the spaceship that abandons a doomed

earth. The book had about three women to every man.

THE SPACE BEAVER

by Al Lewis

As far as the present science fiction boom is concerned, Hollywood has produced one very good picture ("Destination Moon") and one very bad one ("Rocketship X-M"). Unfortunately it appears that this latter is to be the prototype of films to come. The first of these is "The Thing" (from Another World), of which Charlie Steese was lucky, or unlucky, enough to catch a preview.

The Thing

This picture can best be described as a remake of "Frankenstein," even to the lifting of some of the choice dramatic scenes from that show, including the final chase over the ice. Only in this case instead of being made, the monster is found in a flying saucer frozen in at the North (!) Pole. It is thawed out and proceeds to run amok.

Where the original tale, "Who Goes There," relied on the monster's ability to metamorphose into and masquerade as human beings for its dramatic intensity, "The Thing" relies on a stock group of characters including an eccentric scientist, a wisecracking newspaperman, a beautiful stenographer, and a handsome playboy.

The movie's scientific naivete is obvious, especially in that throughout the story the characters, as indicated by their Geiger counters, survive enough radioactivity to kill a regiment. Nevertheless there are certain redeeming features, and the worst crime remains that instead of being a B+ science fiction story, "The Thing" (from another world) is just another C— horror show.

—C. S.

The Day the Earth Stood Still

Another very excellent science fiction story which Hollywood seems well on its way to ruining is Harry Bates' "Farewell to the Master." This is being filmed by 20th Century, who have retitled it "The Day the Earth Stood Still" and to quote the **L. A. Times**: "This is about the visitor from another planet who threatens the earth with destruction. The film will have sociological aspects."

The **Times** goes on to add that the picture will star Sam Jaffe, who plays a "humanitarian scientist" and "Billy Gray, 12 years, also in the film."

The original was a sensitively written story of a robot who visits earth with a human companion that is killed by an fanatical earthling. Earthmen, through fear of retribution from space, enshrine the body of the man and place the robot and the spaceship in a museum. Then one day a sharp-eyed reporter compares two photographs which unmistakably reveal that the robot has moved during the night. The story revolves around the reporter's efforts to discover the robot's motives and

Campus Interviews on Cigarette Tests**Number 15...THE LONG-WATTLED UMBRELLA BIRD**

"They must think
I don't have enough sense
to get out of the rain!"

I t made L. W. madder than a wet hen when they

asked him to judge cigarette mildness by taking one puff, one huff, one whiff or

one sniff. Our common sense friend enjoys a good smoke too much ever to

settle on *any* brand in such a snap-judgment way! For him and for millions

like him, there's only one convincing way to test cigarette mildness.

It's the Sensible Test . . . the 30-Day Camel Mildness Test,

which simply asks you to try Camels as your steady smoke

—on a pack after pack, day after day basis. No snap judgments

needed! After you've enjoyed Camels—and only Camels—

for 30 days in your "T-Zone" (T for Throat, T for Taste),

we believe you will know why . . .



**More People Smoke Camels
than any other cigarette!**

trios, piano soloists, or adenoidal singers—sometimes all three, in continual pandemonium.

Double Purpose

I recognize that all this crash and glitter serves a double purpose: to delude the customers into thinking they are having a good time, and to make them oblivious of the copious quantities of liquor floating down their tracheae. And I am sure both purposes succeed admirably.

They are succeeding so admirably, in fact, that we are producing a nation of gulpers rather than sippers (a sure sign of barbarism), and a nation wholly incapable of entertaining itself through conversation or camaraderie of any kind.

Ten men used to sit around a tavern table, lift their glasses, and sing the old songs. Now they all sit dumbly listening to one professional sing the new songs. The quality of the singing may be better (which is dubious), but the spirit of the singing is altogether different. This is why we need new songs every few weeks.

The Puritans object to taverns as places where people become bad. But the real objection is that they are places where people become dull. They do not make their patrons immoral, but something worse: They make them inhuman. And they make the only excuse for a tavern—which is good fellowship—quite impossible.

Stokowski's Rebuke To Audience

As a sequel to yesterday's philippic, we WERE late for the concert the other night, and, as we were standing in the lobby, I thought of the time Leopold Stokowski taught Philadelphia

(Continued on Page 4)

This is typical of thousands of letters telling how HADACOL relieves the real and basic cause of deficiency distresses. For HADACOL provides more than the minimum daily requirement of Vitamins B₁, B₂, Niacin and Iron, plus helpful quantities of Phosphorus and Calcium. It builds up the hemoglobin content of the blood (when Iron is needed) to send these precious Vitamins and Minerals surging to every part of the

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Senator Dudley J. Le Blanc

the laboring man.

You can place your confidence in a man who has by his past

activities demonstrated to you

that he is your friend.

If you are suffering from defi-

cencies of Vitamins B₁, B₂, Niacin and Iron, don't hesitate, don't delay,

buy HADACOL today.

Redlands Cindermen Beat Tech; Triangular Today

Muir and El Camino JC track teams visit Tournament Park this afternoon for a practice triangular meet. The first event will be run off at 3:30.

Hit by flu and the approach of finals, the Caltech track team went down to defeat on the Redlands track last March 10, 77 to 54. It was a good meet, however, held under ideal weather conditions except for a slight wind.

Tech Sweeps Hurdles

Outstanding was Caltech's domination of the hurdles and Redlands' domination of the All four events were sweeps. The highs saw Irwin win in 16.1, followed by Kliegel and Waid, while Waid took the lows, followed by Irwin and Kliegel. In the sprints Walt Mason of Redlands took the hundred in 10.2, while Beltrame of Redlands copped the 220 in 22.3.

Caltech suffered in the 440 because of the illness of Al Johnston, who should have had a (Continued on Page 4)

Buttin' In

—by Butler

With the weatherman doing a bang-up job of supplying the Southland with summer-like days, the spring sports program has gotten under way with a rush. Ed Preisler's baseballers could not resist the diamond game over the holidays and hung around to play a few contests. While losing a close one to L.A. State, the lads did knock off Pomona in a 10-inning battle.

Majors

But not only Tech had games, the major league clubs have finally discovered that California has very enthusiastic baseball fans. For those who did not wander out to one of the local parks, they missed a great opportunity to witness some fairly high-class ball. But of all the teams performing, the Chicago White Sox proved to be the most surprising. The reorganized Sox brought out plenty of young talent; enough talent to even shut out the champion Yankees. Maybe the Windy City will have a club that will finish in the first division this year.

Thinclads

Turning from baseball to track we need only to see Bert LaBrucherie's long face for an indication of the hopes for the coming season. The thought of Oxy is enough to make any track coach tremble. Of course, everyone by now is familiar with the Bengal powerhouse; even against SC, Jordan's thinclads looked terrific.

Probably the SC coach now sleeps better with Oxy out of the way. The Tigers appeared to have had the team which might (Continued on Page 4)

Varsity and Frosh Athletic Award

At the March 8th Board of Directors meeting the following men were voted to receive basketball awards:

Varsity Basketball Letters

Thorne J. Butler
Norman E. Gray
Leon C. Michaelson
Dave F. Stevens
John D. Gee
Alfred W. Sereno
Harry Patapoff
Donald K. Tautz
Edward A. Stern

Senior Service Award: Dean C. Daily.

Manager Award: Mell D. Cassidy.

Frosh Basketball Numerals

(Continued on Page 4)

Beaver Sports

Netmen Meet Swimmers to Pomona Fri. Meet Pomona

The new term will bring in many conference matches and introduce the team to numerous schools for practice matches. Packed into the first week is a match with L.A. State on Monday, Pomona on Friday and Santa Barbara on Saturday. The conference match with Pomona will be played at 3:00 p.m. Friday.

Loss to Whittier

Caltech's Beavers ended their tennis schedule last term with a close match against Whittier, terminating with a score of 5-4. Members of Tech's team are earnestly preparing to turn the tide next time they meet Whittier. Indications which say this promise may well be fulfilled are as follows:

Singles—

Charles Phillips (W) def. Jack Martin (C), 6-4, 5-7, 6-2.

Palmer Smith (C) def. Dave Deshler (W), 7-5, 6-3.

Roger Baier (C) def. Raymond Chapman (W), 6-1, 6-3.

Stan Davis (W) def. Burke Welch (C), 6-2, 6-4.

Clarence Brown (W) def. Jim LaFleur (C), 6-1, 7-5.

Gene Wyne (W) def. Tom Emery (C), 8-6, 6-3.

Doubles—

Martin-Smith (C) def. Phillips-Deshler (W), 3-6, 7-5, 6-4.

Davis-Brown (W) def. Baier-Welch (C), 2-6, 6-4, 6-1.

LaFleur-Emery (C) def. Chapman-Wyne (W), 6-4, 4-6, 6-3.

More Firsts

Von Herzen and Libbey placed one-two in the 100 free to put the Engineers in the win column again. Weil and Connor won their respective back and breast

If all goes well, the Sagehens will be a water-soaked, crest-fallen group this evening after the Engineer swim team gets done with them. Conference competition opens for the Tech tankers this afternoon in the Pomona pool.

Mustangs Trounced

Just before finals on March 9, the swim team took on the Muir Mustangs, and were victorious 47-28. The Beavers won six of the nine events, besides taking five of seven seconds. The teams meet again next Tuesday at PCC.

The meet started off favorably for our team when Weil, Connor, and Houser won the 300 yd. medley relay. Immediately Muir started picking up points, however, with a first and third in the 220 free. Kroesche won the event in 2:33.8, a very good early season mark.

Libbey then showed how it is possible for a good man to switch sports and still do a good job. Only a week after basketball season closed, he went in and won the 50 free. Then while the swimmers rested, Caltech's new diving find, Bob Stanaway, unearthed in the Interhouse meet, took a second in his event.

Redlands Downed

The frosh thinclads eked out a 61-57 victory over Redlands frosh March 10. Grabbing eight first places in the 14 events, plus a variety of seconds and thirds, turned the trick. One of the top point getters for the Beavers was Campbell, with a first in the high jump, second in the broad jump, a tie for second in the low hurdles and a third in the high hurdles for 11 big points.

Double Winners

Coming through with double wins for the cause were Kirkpatrick in the discus toss and 440, and Munn, in the 100 and furlong dashes. Munn looks as though he's going to be a hard man to beat in those dashes. Munn and Kirk also teamed up with Lloyd and Ogden to win the 880 relay.

Vodopia turned in a winning time in the mile and got second in the 880. Lloyd was second in the 220 and first in the 100, and Ogden snagged a second in the 440. To finish out the scoring for Tech, Eyleth took first and Kaiser second in the shot put, Kaiser got third in the discus toss and Hodges took third in the javelin.

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Pepperdine, Cal Poly Score Wins; Oxy Baseballers Due Saturday

Hits Come Often

The hitting power of the team made up for the scoring by Pomona. Pomona was ahead of us only in the second inning, when they scored one run. Tech scored three runs in the third and were ahead until they were tied in the ninth. Then in the 10th inning Tech got four runs to put the game on ice. The Tech team was showing power in every inning, as there were 19 men left on base. The team also showed need of more practice. They made six errors.

Stolen Bases

Caltech scored three runs in the third inning with the help of the Pomona pitcher and some heads-up base running. Gray walked, Karasawa hit, and Wise loaded the bases with a fielder's choice; Snider forced Gray at home, Stallkamp walked, Koons walked and Snider stole home. In the fifth Stallkamp hit, Koons drove him in with a triple and Neverman scored Koon with a hit.

Game on Ice

In the eighth Tech scored one run on a hit by Karasawa and an error by Pomona. In the 10th the Tech team sewed up the game with a four-run rally. Karasawa hit, Wise walked, Snider forced Karasawa at third and Stallkamp hit, scoring Wise. Koons forced Stallkamp at second and Neverman got a double, (Continued on Page 4)

Dabney Sweeps IH Swim Meet

The Dabney house swim team won a resounding victory in the Interhouse swim meet with 58 points to more than double runner-up Blacker's 24 points. Fleming with 22, Throop with 19, and Ricketts with 17 brought up the second division in that order.

Dabney took first in every event except the relay, where they placed second to Blacker. Outstanding effort for the day was Norm Ellett's record-breaking 50.1s. in the breaststroke. The old record of 50.7s. was held by L. Brundred of Dabney, set in 1942. The Dabney scoring spree was led by H. Perdigao, who took two firsts and was a mmeber of the second-place Dab-

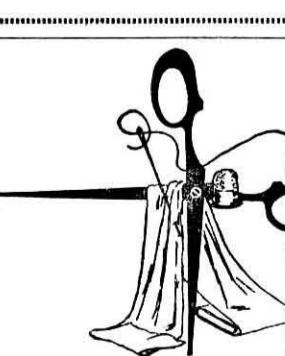
(Continued on Page 4)



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OTHER HALF LIVES

(Continued from Page 2)
concertgoers a severe but badly needed lesson.

Quite a few years ago, when he was conducting the Philadelphia Symphony Orchestra, he became increasingly annoyed at the rudeness of the audiences throughout the season. So, at the last concert of the year, Stokowski decided to pay them back in kind.

Those who arrived at the hall early were surprised to see that none of the customary arrangements had been made. Most of the ushers were missing, the stage was dark and bare, and some of the audience began to wonder if they had come on the right night.

Ten minutes after the scheduled time to begin, a janitor strolled across the stage and tossed the music stands around, loudly and casually. A few musicians seated themselves on the stage and began to play the first few bars of the opening piece.

The rest of the orchestra clumped in by twos and threes, and joined the performance, with much coughing, shuffling of feet, and rattling of instruments. It was a good half-hour before the entire orchestra was playing together.

Went Home

The concert continued in the conventional manner, until the concluding number. Then, the musicians reversed the process, and put away their instruments by twos and threes, banging their way off the stage while the others played, until Stokowski was left alone with the irate audience. Needless to say, he took no bows that night.

Despite a panning at these high-handed tactics, his dramatic object-lesson paid off. At the first concert of the new season, there were no vacant seats, everyone was prompt in arriving, silent during the performance, and stayed until the final note had been played.

There seems to be no other effective way to deal with bad-mannered audiences, and I wouldn't have blamed the ushers if they hadn't let us in at all last night. Or, at least, fined us for disturbing the peace.

VARSITY AND FROSH

(Continued from Page 3)
Fred C. Anson
Richard C. Smith
Charles R. Plambeck
Curtis C. Johnson
Lee A. Henderson
Hugh P. Taylor
Robert W. Lynam
Bruce J. Watkins

Manager Award: Cornelius V. Sundt.

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BEAVERS WHIP

(Continued from Page 3)
scoring Snider and Koons, to make it a sure thing.

	AB	R	H	PO	E	RBI
Karasawa, 3b	6	2	3	1	0	0
Wise, cf	5	2	0	1	0	0
Snider, rf	4	2	0	4	1	0
Stallkamp, ss	4	1	2	3	0	3
Koons, 1b	5	2	2	10	0	3
Neverman, rf	6	1	2	2	1	0
Johnson, R, 2b	4	0	0	2	1	1
Pfeiffer, c	6	0	1	7	1	0
Gray, p	3	0	0	0	1	0
Winslow, p	1	0	0	1	0	0

Score by innings

Caltech—

Runs .003 .020 .010 4 10

Hits .001 .030 .110 1 10

Pomona—

Runs .011 .001 .021 0 6

Hits .011 .030 1 9

Cal Poly Wins

The baseballers looked both good and bad in the practice game with Cal Poly. Cal Poly won, 6 to 5. Tech made 10 errors, Cal Poly three. In the first three innings, while Stallkamp was pitching, Tech let them score five runs on five hits. Some of these were earned but the Tech team looked very ragged in places.

In the fourth inning and in the fifth inning when Gray came in to do the hurling, the Tech team started to look like a ball team. We still were making a few errors but they were not in critical spots. Also Gray was doing an excellent job of pitching. He gave up only one hit in the seven innings he pitched.

Tech Scores

Tech scored four runs in the second inning on two hits. Pfeiffer drove in one run by his hit and Karasawa drove in two runs with his. The opposing pitcher was helping us by putting the men on base by walking or by hitting the batters.

Errors Lose Game

Thursday, March 22, the Caltech baseball team lost to Pepperdine, 16-8. The Caltech team helped out the Pepperdine team by making eight errors. The Tech team got eight runs on nine hits. Stallkamp was the big man at the plate. He got one safety and one home run with two men on base.

Caltech—
Runs .301 .000 .310 8
Hits .101 .001 .321 9

Pepperdine—
Runs .214 .011 .70x 16
Hits .201 .020 .51x 11

REDLANDS CINDERMEN

(Continued from Page 3)

sure second.

Improved

Outstanding improvement was shown by two men. Ray Heacock bettered his best in the discus by seven feet to win easily, while Johnny Noble threw the javelin 174 ft. 7 1/2 in., his best by about seven feet also. He was second behind Redland's Waid, who figures to take an easy first in the conference. Results:

High hurdles—First, Irwin (C); second, Kliegel (C); third, Waid (C), 16.1.

Mile—First, Creary (R); second, Mason (C); third, Dickinson (C), 4:38.2.

440—First, Wagner (R); second, Tanner (R); third, Teague (C), 52.8.

Shot—First, Fletcher (R); second, Heacock (C); third, Woody (C), 42 ft. 5 1/8 in.

High jump—First, Thorson (R); second, Canky (R); third, Waid (C), 6 ft.

100—First, Mason (R); second, Ladwig (R); third, Roulette (C), 10.2.

880—First, Westerhoff (R); second, Aagaard (C); third, Parnes (C), 2:03.5.

220—First, Beltramo (R); second, Ludwig (R); third, Roulette (R), 22.3.

Pole vault—Tie for first, Canky (R); Poelz (R); Rowland (R), 11 ft.

Two-mile—First, Mason (C); second, Pilkington (C); third, Creary (R), 10:17.8.

Javelin—First, Ward (R); second, Noble (C); third, Sweany (R), 183 ft. 7 in.

Low hurdles—First, Waid (C); second, Irwin (C); third, Kliegel (C), 25.7.

Broad jump—First, Mason (R); second, Waid (C); third, Sweany (R), 20 ft. 11 in.

Discus—First, Heacock (C); second, Woody (C); third, Ward (R), 124 ft. 8 1/2 in.

Relay—First, Redlands (Wagner, Leubert, Stevens, Beltramo); second, Caltech (Lafourrette, Parnes, Aagaard, Teague), 3:36.8.

Close One

Saturday, March 24, the team played L.A. State and lost 15-14. Again the team made eight errors. Neverman got three hits, one of which was a home run with the bases loaded. The team batted an even .300 for the game.

Monday, March 26, the Tech baseball team beat East L.A.J.C., 5-2, in their best practice game of the season. They made only two errors. They were not hitting in the spots where it counted, as they left 19 men on bases.

Caltech—
Runs .001 .120 .010 5
Hits .221 .221 .211 14

L. A. J. C.—
Runs .000 .001 .010 2
Hits .1000 .101 .110 5

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BUTTIN' IN

(Continued from Page 3)

have blemished the perfect Trojan record. Of course, it is also a well-known fact that Caltech was the last school to defeat the Trojans in a dual meet, back in '45.

Tennis

Moving into the realm of tennis, we see Coach Lamb shaking his head in dismay. It seems that Ed Elyar (rumored GPA of 3.0 plus) decided to return to the hills of Montana. So now Johnny is frantically trying to find a few singles and doubles players to give his team more strength. But even if he succeeds, potent Redlands has the title in the bag.

Garman's Fish

The swimming team under the tutelage of Don Garman have hopes of gaining the championship. Tech, which has finished second behind Oxy year after year, may finally reverse the trend this spring. It will be nip and tuck and fingers will certainly be crossed in this department.

Links?

The golf scene is somewhat cloudy. Everyone sees the golfers lugging their bags off to the links every afternoon, but it is a deep secret about how many lads are shooting par golf.

Beach—Ah!

While the above-mentioned sports have a fairly large appeal, the majority of Tech men will be practicing their athletic talents on the Southern California beaches during the term.

NETMEN MEET

(Continued from Page 3)

Two industrious Beavers have been inherited by the team to make up for the loss of Ed Elyar, who has left school. Both additions, Dick Ireland and

DABNEY SWEEPS

(Continued from Page 3)

ney free-style relay team.

Medley relay—time 1:05.1; Dabney (Noll, J. Ellett, N. Bryan, G.)

50-yard Free—time 1:07.4; Perdigao, H. (D.).

Diving—Stanaway, R. (D.).

100-yard Free—time 1:07.4; Perdigao, H. (D.).

Backstroke—time 53.3; Bryan, G. (D.).

Breaststroke—time 50.1; Ellett, N. (D.).

4-Man Relay—time 1:15.7; Blacker (Team, R., Goetten, J., Butler, T., Cathcart, D.).

New Interhouse Record—old time 50.7, held by L. Brundred (D) '42.

INTERHOUSE TROPHY PONTS

	Score	House	Trophy
Dabney	58	5	15
Blacker	24	2	12
Fleming	22	3	9
Throop	19	4	6
Ricketts	17	5	3

SWIM MEET

(Continued from Page 3)

stroke events, piling up more points. Then Kroesche came back to tally Muir's last win in tre 440. The meet ended with the 400 yd. free style relay which was won easily by the Caltech team of Wyman, Houser, Libby and von Herzen.

Well, I cannot condemn anyone for falling victim to the lure of the beach. In fact, general opinion seems to have it that everyone is tossing books aside for 10 weeks of "beach ratting."

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Thorne Butler, came to us through the courtesy of basketball's termination.

L.A. State Also

Monday's practice match with L.A. State proved to be good practice and also gave an indication of how good a vacation the men had. With two defaults on their part, L.A. State beat Caltech, 6-3.

Singles—

Sam Migliazzo (L) def. Jack Martin (C), 6-3, 6-3.

Palmer Smith (C) def. Roy Wakefield (L), default.

Adolf Martinez (L) def. Roger Baier (C), 6-4, 6-4.

Gene Greenfield (L) def. Dick Ireland (C), 6-1, 6-1.

Buddy Weber (L) def. Mary Hyman (C), 6-3, 6-4.

Jim Flanagan (L) def. Thorne Butler (C), 6-2, 6-2.

Doubles—

Martin-Smith (C