California Institute of Technology Thursday, May 6, 1948

Contest End Nears

For Selection of **ASCIT** King, Queen

With the deadline date only one day away, organizations planning to enter contestants in the May 14 Beauty Contest Assembly for King and Queen of the ASCIT spring formal are urged to turn in their candidates names to Fred Wood, Rally Commissioner, or Bud Mittenthal, First Rep.

Few Entries So far very few names have

Pictures of ASCIT Queen Can-

didates for publication must be turned in to the Tech office in Lower Fleming not later than Monday night, been turned in, although pre-

liminary contests have been held by some of the houses and other student organizations to select their candidates for King and Queen. Professional societies are especially requested to enter their version of a Caltech Queen. Their majesties and attendants will be chosen at next Friday's assembly which promises to set a new attendance record.

New YMCA Officers Installed in Ceremony

Lounge in an impressive ceremony, featuring talks by Dean and Stan Barnes.

Glee Club Sings

The program included the the Caltech Glee Club and talks Museum. by outgoing officers.

The officers installed are: Burt Housman, President; Vern Edwards, Vice-president; Bob Crichton, Secretary; Harry Begg, Treasurer; John Fee, National Representative. Buffet style refreshments were served after the installation ceremony.

IRE Nominations Declared Open Now

The Caltech Student chapter Engineers has been officially recognized by the national organization. According to its new constitution, the chapter, will hold election of officers in Maythe exact date to be announced

Nominations for the two posts (chairman, and secretarytreasurer) are now open and Charles Susskind, the retiring officers.

Campus Calendar

THURSDAY, MAY 6-

Upper Class Luncheon Club at the Training Table, 12:00.

Throop Club Meeting, 12:20 p.m. Y Cabinet Meeting, Y Lounge, 7:15 Dancing Class, Culbertson Hall, 7:30

Glee Club Rehearsal in Throop Club, 8:30 p.m.

FRIDAY, MAY 7-Student Assembly, Dr. Sterling, 11:00 a.m.

Track meet, Caltech vs. Redlands, here. Blacker Decoration Stag.

SATURDAY, MAY 8-Conference Swimming Meet at Oxy, 1:30

Blacker Doc's Formal. Dabney-Ricketts Barn Dance.

Fleming Barn Dance. SUNDAY, MAY 9-

Junior-Senior Garden Party, Dabney Garden, 3:00 p.m. Musicale in Dabney Lounge, 7:30 p.m.

MONDAY, MAY 10— CES Meeting, 201 Bridge, 11:00 a.m. TUESDAY, MAY 11— Band Practice, Culbertson Hall, 7:30

WEDNESDAY, MAY 12-

Frosh Luncheon Club at the Training Table, 12::00. Fencing Class, Dabney House, 7:30 p.m Orchestra Practice, Culbertson, 7:30

THURSDAY, MAY 13—
Upper Class Luncheon Club at the Training Table, 12:00.
Throop Club Meeting, 12:20 p.m.
Y Cabinet Meeting, Y Lounge, 7:15

p.m. Dancing Class, Culbertson Hall, 7:30 Club Rehearsal in Throop Club,

Seniors

Seniors may pick up graduation announcements and invitations in Lower Throop next Tuesday afternoon, May 11, from 1 until 4, or at any other time from Bob Davis in room 13 Fleming. Seniors who failed to order enough of these items may purchase a limited number of extras from Bob at the above times and places.

Caltech Geologist An Inn. Dr. Chester Stock **Elected to NAS**

Dr. Chester Stock, chairman of the division of Geology at the elected a member of the National land Bradfield, Sharon McFad-Academy of Science, it was recently announced.

Active in Exploration

paleontologist, Dr. Stock is well known for his study of North America and for his in-

The Caltech YMCA installed ent planning further exploration Club. its new board of officers last in that country in an attempt to geologic history of Mexico.

Tech Thespians to Toss Twin Threat To Theatergoers

The Wonder of the Age! The Spectacle of the Year! An Epic in Drama! Such terms, among others, are being used to describe the Drama Club Production to be presented Friday, 14 May 1948 at the Elliott Junior High when the curtain rises on Lord

Second Feature

need will be treated for shock by Junior-Senior Garden Party. Doc Haynes, and it is hoped the majority of the audience will be

The star-studded cast will inner-man. California Institute, has been include Gretchen Benton, Garden, Len Herzog, Blacky Stone, Bob Levy, Bud Klarfeld, and Chuck Murphy.

Low Cost

The phenomenal feature of mammalian fossils from Western this all-Tech extravaganza is the cost—\$0.40 per person. Business vestigations of the great fossil Manager Frank Wolf has stated assemblages from the asphalt that the auditorium has finite Sunday morning. deposits in Southern California. | capacity; and that the wise He has directed a great deal ones will buy early. Tickets are of paleontological exploration in on sale in the book store and northern Mexico and is at pres- from members of the Drama

Sunday afternoon in Dabney obtain greater knowledge of the Herzog, along with Property Manager Walt Mudgett have In addition to his post as been rooting out props and cos-Franklin Thomas, Wes Hershey, chairman of the division of Geol- tumes with great difficulty. The ogy at the Institute he is also necessity of using a strange Professor of Paleontology and is auditorium and borrowing props Senior Curator of Earth Sciences has again pointed up the urgent rendition of three numbers by at the Los Angeles County need of a campus auditorium of practical dimensions.

SEIDEN GETS AWARD



J. Calvin Brown, Regional Vice President of ASME presenting \$50 first prize to Bill Seiden for his paper on "Theory of Plastic Strain Propagation."

names of candidates should be submitted to C. A. Rypinski or Seiden Takes Top Honors In Southwestern ASME Meet

Visiting Delegates Welcomed by Lindvall, Poindexter; Group Tours Campus, Hydrodynamic Lab, Mt. Wilson of us, but you can find most of

of the Students' Branch of the Berkeley, Caltech, Southern Cal-shores of the blue Pacific. Pacific Southwestern Group of Ifornia, Nevada, Stanford, and the A.S.M.E. was held at Caltech | Santa Clara were represented by April 23-24. The member Col- 100 men.

Cement, Cast Iron Pipe Movies Shown to ASCE

The student chapter of the ASCE was shown two movies at its meeting last Thursday, one on the manufacture and use of soil cement, and the other on methods of placing cast iron pipe. The practical methods of construction illustrated were a useful supplement to textbook technical knowledge. Program chairman Bud Carrole is to be commended for his efforts in securing these films.

Chuck Forester delivered his prize-winning talk on "The Freeways of Los Angeles" to the Engineers and Architects Association last April 28. The speech was so effective that he was invited to repeat it at some cussed "The Engineering Aspects future meeting of the Los Angeless Chamber of Commerce.

The visiting "Engineers' toured the campus when registration was completed, after which they were welcomed by Professor Fredrick C. Lindvall, and Robert Poindexter, president of the Caltech Chapter.

Papers Presented

From 1 to 3:30 p. m. the conby students competing for the five prizes offered. The papers were judged by three prominent Southern California Engineers. At three thirty the students left on a field trip to the Hydrodynamics Laboratory.

Friday evening, the A.S.M.E. held a banquet at the Anthenguests. The speaker of the eve- for the present standings: ning was Bruce Rule, Project Engineer at Palomar, who disof the 200 Inch Mirror.'

(Continued on Page 2)

Sterling to Speak Tomorrow

For Garden Party At Dabney Sunday

Amid flower banked punch School Auditorium, 2184 N. Lake. bowls and lawn tables shaded by The double-barrelled perform- gay vari-colored umbrellas, the ance will begin at 8:30 p. m. members of the junior and senior classes and their guests Dunsany's thriller A Night At will dance to the mellow strains of Darrel Brewer's orchestra next Sunday afternoon in Dab-During intermission those in ney Garden from 3 until 6 at the

Refreshments

The punch bowls will be pre in condition to view the second sided over by the wives of promsmash hit Divided We Stand, the inent faculty members, with ice product of native imaginations. cream and cake to appeal to the

Dress for the affair will be afternoon dresses for the girls and suits for the men. Speaking of men, an urgent appeal is made for one hundred men to help move and erect the portable dance floor. All volunteers are asked to report to Mitch Cotton in Blacker court at 9:30 next

Ignorant Juniors to Directors Bill Woods and Len Remain Thus, Reports 'Ditch Day" Committee

With the world torn asunder by the titanic struggle between the forces of Communism and Capitalism, the senior class announces its tensely-awaited stand on this cataclysmic question. Its fearless avoidance of this issue is to go to the beach and get blotto.

Carefree Outing.

This excursion is otherwise known as Senior Ditch Day, whereon the entire class skips a day of school for a carefree outing at the beach. Realizing the unlimited capacity of the senior class for beer and effing oh, a barn dance has been arranged for that night at Mountain Oaks. This climax for the day is an unprecedented action Gamma Ray Length tain Oaks. This climax for the designed to provide an entire day of escape after four long years of frustration.

Juniors Accommodating

absolutely forbidden to divulge the date to any undergraduate.

The faculty will be in its natural state of ignorance reper class is cautioned not to inform them, either.

Blue & Sunkissed

Well, Juniors-if you can guess the day you might catch a few The tenth annual convention leges, Arizona, California at us sipping beer on the sunkissed

Throopclubbers Up In Bridge Tourney

Throop forged into the lead in the Interhouse Bridge tournadining room, found Throop takother houses split two-two.

Throop now holds a one match edge on Dabney at the half-way next matches will be held in Dabney dining hall this coming Tues-

House Won Lost Net Pts. Throop Ricketts -3700 Blacker -1790

Upperclassmen Set "A Tide In the Affairs of Men" Set as Subject for Informative Talk

"A Tide In the Affairs of Men" Set as Subject for Informative Talk

Dr. J. E. Wallace Sterling, prominent Caltech history professor recently appointed Director of the Huntington Library, will address the student body tomorrow at 11:00 in Culbertson. His topic will be "A Tide in the Affairs of Man."

Dr. Sterling has taught history and government at the In-

serving as a faculty member of Heppe Receives the National War College, and news analyst for CBS. Conger Prize

For Friday Talk Robert Heppe placed first in the Conger Peace Prize Orations last Friday with John Heath placing second. The contest was judged by Professors Untereiner,

Langston, and McCreery. "World Peace" Heppe Subject

Heppe's speech was on the topic "World Peace" and embodied the principal of a Three way power balance (U.S. U.S.S.R., and a United Europe) to keep the peace until a World Federation could be firmly estabto keep the peace until a World lished. Heath's speech was entitled "St. George or the White Knight?" Heath feels that we are in a critical position and must arm to call the bluff of the opposing power, but at the same time we must show our willingness to sit down and use diplomatic means to settle the world crisis.

Also Ran

Heppe and Heath, both from Blacker House, competed with Leo Breiman, Bernard Rudin, Bernard Shore, and Robert Stone for the fifty dollar first prize and twenty-five dollar second prize.

The contest was held under direction of Dr. Schutz, Caltech debate coach. Irving Sulmeyer, last year's contest winner, was chairman.

DuMond Measures

A Navy bomber and a thin played a vital role in completion bet New Manager of a 10 year old research project According to tradition the at the California Institute—a Junior class provides accommo- project that makes available to Greene to the position of mandations on campus for any senior science a new instrument and ager of student houses, the cafecaught at school after eight technique which may mark the teria and the Athenaeum was ano'clock. Therefore seniors are beginning of a new era in precision nuclear physics.

Measures Gamma-Rays

The new instrument is a Gamma-Ray Spectrometer. garding this matter, and the up- makes possible for the first time change in present personnel is measurements of wave lengths with an error of not more than two parts in ten thousand—a heretofore unattainable accuracy at Washington, D. C. last week. A paper by a Caltech team of physicists, headed by Dr. Jesse W. M. DuMond assisted by Dr. the new instrument.

Completed in March

Caltech scientists that their field which began in 1926 at the project, which began a decade Mission Inn at Riverside, Caliago, was a success were made on fornia, has included nearly every ment last Tuesday, April 27. This March 22. This, incidentally, position from bellman to mansecond meeting, held in Blacker was the same day that Dr. R. A. ager. Millikan, famed Nobel Prize winvention heard papers presented ing three of four contests, Flem ner in physics at the Institute, ing winning but one, while the under whom the work began, celebrated his 80th birthday.

For the past thirteen months the Gamma-Ray Spectrometer point in the competition. The project has had government backing under an Office of Naval Research Contract. It was day. Space does not permit print- a Navy bomber that rushed the ing any of the more interesting tiny strip of radioactive gold aeum for members and their hands played, so we shall settle from the Atomic Energy Commission atomic pile at Oak Ridge, Tennessee, to Burbank, Califor-2 plus 6390 nia, which made the final tests -270 possible. Rapid transportation -630 of the isotope of gold was nec-

(Continued on Page 3)

stitute for ten years as well as

To Analyze Developments

His address will concern the significance of recent world developments and affairs. Dr. Sterling is a highly regarded and interesting lecturer, and is very well versed on the world situa-

Since he assumes his post at the Huntington Library on July 1, this will be one of his last major talks to the student body in an official capacity and will be of general interest. Don't

Set For CES Meet

The next meeting of the Consolidated Engineering Societies will feature a talk on Perpetual Motion Machines by Mr. J. Calvin Brown, a former Caltech student and the Regional Vice-President of the American Society of Mechanical Engineers. Mr. Brown, through his work as a patent attorney in Los Angeles has had considerable contact with schemes for perpetual motion, and he has prepared slides illustrating the various types which he will

This meeting will be held in Room 201 Bridge at 11:00 on Monday, May 10th. Like all CES Meetings it will be open to everyone who wants to attend.

Houses, 'Greasy'

The appointment of Glenn J. nounced this week by the President's office. Mr. Greene assumed his duties this week.

Greene will coordinate the ac-It tivities of all these facilities. No contemplated, it was stated.

A native of Los Angeles, Greene comes to Caltech with extensive experience in hotel and and was revealed to members club management, including 15 of the American Physical Society years on the staff of the Huntington Hotel. Other positions which he has held include that of manager of the Tahoe Tavern, Tahoe City, California, associate Bernard B. Watson and David manager of the Hotel del Coro-Lind, graduate fellow, announced nado. Coronado, California, and manager of the Malibu Club, Princess Louise Inlet, British Co-The final tests which told the lumbia. His experience in this

During the war he was a civilian employee of the War Department, Air Corps, where he served as coordinator of both military and civilian training for one year in all.

Greene is married and resides at 2281 E. Washington Street, Pasadena.

Interview Schedule

TUESDAY, MAY 11-

HUGHES AIRCRAFT COMPANY, Carl Baberger; interested in professional and PhD candidates and AE, ME, pursuing theoretical problems in aerodynamics, su-personics or dynamics.

Editorial Staff

Managing Editor	Dick King
Sports Editor	Earl Hefner
Feature Editor	Mitch Cotton
News Editor	Jim Hummel
News Staff	John Lewis,
William Wright, B	ob Critchton, Bob
Kurland, Bob He noski, Bill Boutell	ppe, Tony Mala-
noski, Bill Boutell	e, Stan Boicourt,
Stan Harrison.	
Rewrite Staff	Bob Haufe, chief

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Len Herzog, Editor

Editorial Staff The Dabney Workers' Party last Saturday night attracted a good many odd-weekend snakes from the pits to celebrate Maystrongly reminiscent of Vodka.

and his minister, Auerbachski, were presented to the couples for their acclaim. A house beauty contest was held, and Miss Barbara Blair was chosen to represent Dabney at the May

Iceplant ...

That George Shor has no love for the iceplant that adorns part of the Caltech campus should by now be rather obvious. That he is not alone in taking a dim view of the gruesome stuff is equally obvious. If a poll, "grass vs. iceplant," were to be taken on campus, there would be hesitancy on the part of this observer in predicting a 99.44 percent pure pro-grass verdict.

Such is the strength of feeling on campus. But what is the chance that the iceplant will, in fact, be condemned to a merely historical role by the onrush of a new and grassy era?

To speak very frankly, if you name an epsilon as small as you chose, the chance of grass will be significantly smaller. And, in spite of Mr. Shor's scathing accusation, the burden does not rest with one Wesley Hertenstein, an alleged ogre who heads the Building and Grounds department. Nor does it lie with the Administration Officers of the Institute, specifically one Mr. William Stott, the comptroller, sometimes pictured as an even more formidable ogre than Hertenstein, who holds the purse strings of the Institute in his iron-like miser's clutch.

The answer is not hard to find. The decision in this matter, as in all similar matters, is the responsibility of the Bulding and Grounds Committee, an august body of lush trustees which, unsurprisingly enough to anyone who things about it, actually has the best interest of the Institute at heart.

We can quite easily analyze the committee's decision in this issue by glancing at the very facts which were presented to the

The Institute is now in the red and anticipates a \$400,000 deficit this year.

The maintenance cost of iceplant in the quadrangle in front of Throop hall is negligible.

The cost of the "iceplant out-iceplant in" operation, now nearing completion, is \$1000. No new iceplant has to be purchased. To maintain grass in the same area would, according to B&G estimate, cost \$1000 more than iceplant per year.

To put grass in initially in this area—to prepare the soil and install a sprinkler system—would cost \$5000.

Thus to plant grass this year instead of iceplant, without even taking into account upkeep, would run the Institute \$4000 farther into the hole. This \$4000 represents the income on \$100,000 of its

After looking carefully at these figures, the B&G Committee decided on iceplant. Since the Institute will probably continue to look up at the break-even point for some time, the committee will probably continue to decide against grass.

Possibly the above figures sound like chicken feed to you when compared to a \$7,500,000 a year business like Caltech. Possibly you think that the cost-difference represents a sound investment in goodwill and increased efficiency and happiness on campus. You may be even a little dubious about the efficiency rating of a department that requires a \$1,000 outlay merely to pull that darn stuff up and stick it back in the ground again. But to assume that the efficiency of this department is going to increase merely because grass is planted in palce of iceplant is certainly not justified.

That is the story on iceplant. If someone could be found who would donate the \$5000 to get grass in, the Committee might make a favorable decision. It's not beyond the realm of possibility. But barring the appearance of any such public-spirited soul, the future can be nothing but an icy one.



THE SQUARES' CIRCLE

that the best way or indeed the more earnest when there are vent war needs special scrutiny. history.

False Premise

had been well prepared," so the in that arms race now. big nation in the world that mean to the world. these preparations are defensive

There is an opinion, held by and are not aimed at her. Secthe great majority of people, ond, an arms race becomes much day with rye bread and punch only way we can have peace is only two parties to it. When by being well prepared for war, there are a number of nations or as we say, "any eventuality". engaging in an arms race it is At twelve, "Uncle Joe" Mangin Since the well-being of every bad enough. But when there are civilized person, and perhaps only two left, when we make the civilization itself, is dependent equation between defensive and on our solving this problem of offensive weapons so that each war, it behooves us to be very looks on the other's "defensive" careful in accepting a program preparations with fear, and which claims to be able to pre- when we consider the terrible vent war, especially if by war- destructiveness of these weaplike means. The idea that being ons, there exists a situation unwell prepared for war will pre- paralleled in all of human

Event Unlikely

It seems likely that under such In general it is based on some condition an arms race could end reference to history. "We would only in the eventual destruction have been better off then if we of both parties. We are engaged

argument goes, "therefore we With these things in mind, will be better off now—if we will many of us have urged Mr. only learn from history." Un- Truman to enter into direct nefortunately, the middle premise, gotiations with Mr. Stalin to that conditions are different now establish a mutual disarmament from what they were even ten program. (Were there more seyears ago; this should be taken curity against atomic war, there into account. In the first place, would be a good deal more sanity we must realize that offensive in the world.) If there is some weapons are becoming identified sense of false pride which makes with defensive weapons. Thus Mr. Truman declare that he will when a nation prepares for de- meet Mr. Stalin nowhere except fense, it prepares for an effective in the White House, let him offense, and it will be very swallow this in realization of difficult to persuade the second what an atomic arms race can

Jim Harder

• THE FRONT BURNER

udith Kandel, had its world prelast night.

The action takes place in a present-day "little red schoolhouse" of the country, on a day when teacher is away. It pictures the greed, violence, prejudice, and other emotional currents which run rampant in young America as well as old.

"This Young World," a play by Arthur Lubin is co-producer with Marcella Cisney directing. miere at the Pasadena Playhouse Darryl Hickman, Parker Eggleston, Dale Belding, Anne Kimbrell, Janet Burston, and Doreen McCann are included in the cast with design by Mordecai Gore-

> George Bernard Shaw's comedy, "The Millionaires" closed a creditably presented run last Sunday, May 2.

Musical Baedeker term examinations, Tech music may be governed by the neces-

lovers turned out in full force sity of presenting an entirely to hear Artur Rubinstein in his different program in nearby Los only Pasadena appearance last Angeles, since the audiences

Big Event

ised to be an important musical invariably presented with a event in a comparatively lean much more interesting musical season; Pasadenans were there- fare than their Pasadena brethfore somewhat disappointed to ren. hear a program consisting entirely of the more conventional items in Mr. Rubinstein's repertoire. His excellent playing and flashy technique helped make up Stars." The orchestra engaged for the deficiencies in program- for the three-month cycle will be ing, however; and Artur Rubinstein appears to be one of the which will consist entirely of foremost pianists of our time.

Last Concert

The Pasadena Civic Auditorium will close its present season on May 19, 1948 with a concert by the Philadelphia Orchestra, conducted by Eugene Ormandy.

Conventional Selections The choice of much-played musical selections may be thought of as a doubtful tribute to the town's conservative tastes;

SEIDEN TAKES HONORS (Continued from Page 1)

Saturday Breakfast

Professor A. Hollander, the honorary chairman of the convention, held a breakfast Saturday morning at which future plans and methods of improving the student branches of the A.S.M.E. were discussed. From 10 to 12 there was another technical session at which the remaining four contestants presented their papers. William Seiden, representing Caltech, presented his paper, "The Theory of Plastic Strain Propagation." The paper dealt with the theory

CAMPUS BARBER SHOP In Coffee Shop Building (OLD DORM)

Look to your future!

overlap to some extent. Nevertheless, it is to be noted that The solo piano recital prom- Los Angeles concertgoers are

Hollywood Bowl

The Hollywood Bowl Association announces another season of "Symphonies Under the the Hollywood Bowl Symphony, L. A. Philharmonic players.

Conductors

Eugene Ormandy will conduct certs; guest conductors will be all Tuesday and Thursday conengaged for the Saturday-night "popular" concerts. Season tickets for as low as \$12 (general admission) may be obtained by sending a check to the Hollywood Bowl Association, 2301 N. Highland, Hollywood. The season will begin on July 13 and will last until September 4, 1948.

behind the impact research being done here at Caltech.

Seiden Wins

The award Dinner was held at Blacker House where J. Calvin Brown, national vice-president of the A.S.M.E., presented the awards. The first prize of \$50 was won by William Seiden. The second went to California at Berkeley, the third to Southern California, while Santa Clara was awarded fourth and fifth.

The convention was completed with a field trip to Mount Wilson.

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Blacker Exchanges, **Views Dramatics**

Blacker's last Exchange Dance of this term was held here Friday night with P.C.C. and other groups. Saturday night 25 couples enjoyed a fine showing of Shaw's "The Millionairess" at the Playhouse, returning to Blacker Lounge for dancing and refreshments.

Next weekend promises to be followed by the "Doc's" Formal mings. from 9:00 to 1:00 Saturday eve-Eddie Miller's Band, well re-Formal.

Throop Club Schedules

Next Saturday afternoon will see eager Throopmen and their best gals rushing up to the hills nic. A truck will leave the Club about 2:15 Saturday afternoon to take the first group to Santa Anita Canyon, and will return for the working men and athletes about 5:45.

Picnic Supper

A picnic supper will be furnished by the Club and will cona big one for the House, with sist of hot dogs, potato salad, a Decoration Stag Friday night beer, cokes, and all the trim-

After the dinner, kids will be ning. Music will be provided by taken home and the adults will return to the Club for dancing membered for its smooth melo- until all hours of the night. Anydies and intermission "dixieland" one who wants more info will of last term's Blacker-Fleming find the whole story in the Club lounge, along with a signup list.

Your Political Views

About this time of year the major American sport seems to be the Political Opinion Poll.

The Tech has been asked by Varsity Magazine to cooperate in a nation-wide survey of Presidential preference among College

We would like our student-readers to mark on the following list their first, second, third, fourth, and fifth choices as men they would vote for, assuming in each succeeding choice that any candidate named in a preceding choice is not on the ballot.

Use numbers to signify your ranking: 1 for first, 2 for second, etc. Then please tear out this ballot and deposit it either 1) in the "T" box in any of the houses or 2) in the Tech

"Letters to the Editor" box in lower Throop. Please answer additional questions as indicated so that figures may be analyzed more readily:

Anti Iceplant?—

7.000 P. 1000	
Thomas	s Dewey
Dwight	Eisenhower
Douglas	s MacArthur
Joseph	
	Stassen
Other	1 + SECHLIFOS (DELIAS)

Check these questions: Are you a veteran?

House Membership:

Party Registration:

Pro Iceplant?-

Yes-- No-B- D- F- R- T- None-D- R- Ind.-

Robert A. Taft

- Arthur Vandenberg

Harry Truman

Henry Wallace

Earl Warren

Hay Ride, Picnic Lunch

(Continued from Page 1) essary because it has a "halflife" of only 2.7 days, and it was rushed by automobile from Burbank to Caltech for immediate for the Club's Hay Ride and Pic- use. It had a source strength of one curie.

DUMOND MEASURES RAY

Made at Caltech The new spectrometer, which something like an isosceles triangle with auxiliary attachments, it requires most of the floor space of a 15x18 foot laboratory room. It weighs approximately one this communal debauch with ton, half of which is accounted what passes for his true love, for by lead shielding. Although begun ten years ago, all work on that she and her roommate had the instrument stopped for near-been discussing the idea of ly five years during the war period while Dr. DuMond and turned around and drove back his associates turned to war Work was resumed in work.

The central and most vital element of the spectrometer is a rectangular piece of monocrystalline quartz 1 millimeter thick and 7x8 centimeters in size. This was first cut from a large natural quartz crystal. It was then ground and polished to a high degree of optical flatness and parallelism on both its large

Lattice Planes Focus

Atomic lattice planes in this crystal plate are the "agents" which diffract and focus either X-rays or gamma-rays. They do this in a selective manner so that different wave lengths of on a portion of the circumference of a circle which, if complete, would be six feet in diamof the radiation, the crystal important, to establish a preciplate had to be bent to a slight, but very accurate curve—a curve able—between the scales of swinging from limb to limb. that would have a radius of wave-length in the X-ray and about six feet.

home situated high atop a hill in arrived—. Hollywood. People could fling beer cans way way down at the sounds heard all evening were approximately nine feet long given by the initiates was on an mostly due to "Das Muhl's" atand seven feet at its widest point, abysmally low plane. This was tempted assault on Ottestad's was not only designed but particularly true in the case of date. machined and built in Caltech Don Royce. It was interesting to shops and laboratories. Looking note which women laughed and which shuddered. You learn a lot that way.

Alexander wins the award for the week . He started out for when she gigglingly mentioned switching dates. Alexander and made the exchange, much to the chagrin of the fiance of the other girl. Alex recommends it highly, however.

Lover Glover has apparently been giving his sidekick, Bill Woods, very good lessons, for the

Bending of the crystal was accomplished by clamping the plate permanently in a sort of ning. It was a quiet sedate af the hushed night. cylindrically curved, hardened, stainless steel vise. The vise on the dance floor. For an en- at a given signal the two leaders jaws have holes in them so that gaged man, Dave Baron doesn't will raise their arms in battle both X-rays and gamma-rays few millionths of an inch was lot, but you can bet your bottom on in the annual Rickets-Dabney necessary in profiling the convex vise jaws.

The instrument was purposely X-ray and Gamma-ray regions of gamma-ray regions.

BREWINS

The Beaver Initiation Party | new Beaver prexy seems to have was a rather novel affair. After swept a certain Scripp's editor going to the beach for a com- off her pins. Fittingly enough, bined beer bust and stout bout, the campus wheels met with a those who were able to find it regreat wind at Point Doom, andpaired semi-sober to Herzog's just as the perennial Mittenthal beach at twilight, the Ricketts

At Herzog's "hovel" the shrill

We are happy to report that Tom Stix, undaunted by failing to point at Oxy, is now robbing the Hollywood cradle. We trust that he will feel more at ease with the younger set now that his cast is removed.

The most disgusting member of the group, as per usual, was Windy Marshall who behaved in a fashion most distasteful to the others.

Blacker's Theater Party was most notable for the fact that there were so many more people Athletics Planned locked in warm embraces on and about the dance floor than there were attending the dramatic portion of the evening. The floor was getting a double workout fair, that is, the part that was do too badly. He spent most of as each tries savagely to best his may be studied. Precision of a the evening out in the parking foe, and the Crew Race will be dollar he wasn't showing that Barn Dance at Mountain Oaks. girl how his motor ran.

And then there are people like planned to permit work in both | Don Rolph who always take everything so literally. When he light focus at different locations the spectrum for two reasons. told his girl that they were go-The first reason was for conve-ing to the Padua Hills, she natnient testing of the quality of urally assumed he meant the the focus with easily obtainable Padua Hills Theater. Not Rolph eter. In order to get this focus X-rays and the second, and most | —he meant the hills as she found out much to her dismay. We sion link-heretofore unobtain- hear it is an excellent place for

Forester & Company

We are pleased to announce that the producers of a product that we highly indorse to all our readers, namely Forester, Ricketts & Co., have expanded their vulcanizing business to include rental of shotguns and cartridges.

from another of our producers, looked like the filmy bits of fluff J. Williamson & Co., have an- worn by the elephants in "Fannounced the continued successful launching of their "Mighty Scripp's prudes take notice. Mite," the successor to the Wac Corporal. They announce that the most colorful costumes presrapid progress is being made in ent. He looked like he had just a longer range missile and that come in from the rice fields of the target for same lies to the southeast instead of northeast. Good luck men!!

bringing the most conscientious else she wore or did she? girl to the Dabney Worker's The fruit punch was ostenta What it was and how it was to time.

Crud Alley Livens Gay Peasant Soire

Competing with a balmy evening and the attractions of the Rowdies' Peasant Dance got off to a late but memorable start last Saturday eve with the arstands three feet in height and is street below. The entertainment partly due to the peacocks, but rival of the Crud Alley contin-

Looking altogether like sunburned peasants of the fields the group arrived at a previously quiet dance with faces that glowed from more than sun-

The queen for Ricketts was not chosen at the dance as had been planned, but honors for the most representative peons went to RA, Rube Metler, and to a peasant named Thorpe. Thorpe's costume added little to his peon appearance.

For Ricketts, Dabney

Next Saturday eve at a chosen rendezvous on the mount, twenty with the PCC exchange having trained men will tensely wait, been held there the previous eve- their faces sober and serious in

A few words will be said, and

Acme Trophy Ready

Prize for the winner will be the splendid interhouse Crew Race trophy made especially by Acme Brewing Company for the Tech athletes, to replace the old one which was nudged off the piano onto a concrete floor at last term's Blacker-Dabney fracas.

Entertainment

Dave Warren's jazz combo will be featured from time to time throughout the evening, with records furnishing the music for the rest of the time. During half-time intermission, the flamer and beauty contests, the crew race, and the other usual sporting events will be

We have also received word be used is still a mystery, but it Truly a sporting lady,

Eric Johanssen and date had China, while she looked much better-her skirt was well above the legal limit and for two good Credit Peter Knoepfler with reasons, nobody remembers what

Party. Amply endowed with all tiously labelled "vodka" to keep the requisite physical assets in spirit with the affair, but judg-(plus a little more) she nevertheling by the number of Fleming less was wearing a skirt that men who came over to sample scraped the floor. To compen- it, the sign must have been more sate for this social blunder, she truth than fiction. Comrade retired for a few minutes, reap- Auerbach could not be reached pearing in a shorter version. to make a statement before press

DU PONT Wigest For Students of Science and

Research Program Produces Technique for Tapering Molten Nylon Bristles

Difficult mechanical problems solved by Du Pont chemists and engineers to make nylon paintbrushes practicable

Size Shoe?——

Nylon bristles used in toothbrushes and hairbrushes are uniform in diameter—that is, they are "level." But paintbrushes made from such bristles did not paint well. Studies of the best natural bristles showed that they were tapered, so a research program to produce tapered nylon bristles was started.

Some difficult mechanical problems were encountered. Level brush bristles were being made by extruding molten nylon through spinneret openings designed to produce filaments of perfectly uniform diameter. A new technique had to be found to make tapered ones. Since it was not practical to taper the filament after cooling and drawing, a precise taper had to be put in just as the nylon emerged molten from the spinneret. And it had to survive the drawing operation, in which nylon is stretched to several times its original length!

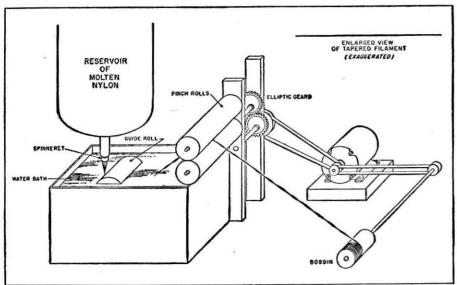
Techniques originated in laboratory

The original idea for solving this problem came from Du Pont chemists, who worked out the techniques in the laboratory, in the somewhat crude form represented in the accompanying diagram. It being largely a mechanical problem, chemical and mechanical engineers were called in to cooperate soon after the studies got under way. After further laboratory development, the engineers put the operation on a production basis.

The final result was a highly efficient process for tapering nylon bristles. As the molten filament emerges from the spinneret, pinch-rolls driven by a series of gears pull it slowly, then quickly. The size of the filament varies with the speed of pulling-thick diameters resulting at slow speeds and thin diameters at fast. Next the nylon goes to the drawing operation, where it is stretched by rollers to give it strength and resiliency.

Engineers designed special machines

Following spinning and drawing, in which many filaments are handled simultaneously, the nylon is "set." Then it goes to a special machine, designed by Du Pont engineers, which "feels out" the crests and troughs and cuts the bristle at these points. This type of design was necessary because of the unavoidable small variations in the length of individual bristles. Sorting the bris-



Diagrammatic representation of the first laboratory apparatus used to establish the principle of making nylon from molten plastic. (From an early patent.)



Present state of development of the "spin-draw" from the crude apparatus shown in the diagram below.

tles and sandpapering their ends completes the process

Many techniques contributed to the development of the optimum properties of nylon in tapered bristles. At the laboratory stage, x-ray studies were made to learn the effect of various degrees of crystalization on bristle drawing and setting. Numerous devices were designed to test the bristles-for example, a machine that simulates the abrasive effect on a brush swept back and forth over a surface. Even after manufacture was established, high-speed stroboscopic photography and other stroboscopic studies were employed to improve coordination in the various operations and make a more uniform product.

The development of these bristles furnishes another striking example of the great variety of problems, often intricate, that may arise out of the discovery of a new substance like nylon.

Questions College Men ask about working with Du Pont

What are the opportunities in development work?

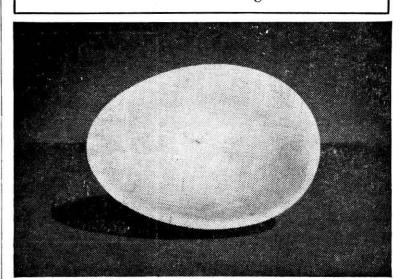
The conception of an idea in a research laboratory is merely the starting point at Du Pont. Men with training in mechanical, electrical, metallurgical, and chemical engineering are required to demonstrate the practicality of the laboratory findings, including small-scale operation of the new process. Even after the full-scale plant is operating, development work is continued to improve efficiency. Write for booklet, "The Du Pont Company and the College Graduate," 2518-A Nemours Building, Wilmington 98, Delaware.



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Wildroot Company, Inc., Buffalo 11, N. Y.

Bull Pups First In Frosh Track Conference Meet

took and kept a commanding lead after the first few events, to win the Southern California College Frosh meet, held last Friday at Tournament Park.

In a close fight for the last three places, Caltech's junior spikemen came in fourth, 1 1-3 points behind third-place Pomona, and ahead of Whittier by a narrow 1-3 point.

Miller Wins in Field Events

for Tech was Art Miller, who Blacker heaved the discus 116 ft. 8 in. for a first in that event. Miller also got a third in the shot-put for sport remain on the I.H. calen-Tech's only other place in the dar. The basketball scoring will field events.

Techmen Place in Distances

In one of the most exciting finishes of the meet, Walt Edwards of Tech nosed out Mann of Oxy for second place in the half. Redlands took first place in the though the Darbs might take a two mile as well, which Creacey won by 150 yards.

Bob Cobb took second in the two-mile, and third in the mile. Cobb was handicapped by a sideache developed during the fourth lap of the mile, and lack of time to warm up for that first event. Dick Smyth also placed for Tech in the two-mile in a close finish.

New Records Set

Redlands runners also broke the tape in the sprints. Mason of Dabney defeated Ricketts 2-1, Redlands won the 100 in the fast time of 10 s. and set a new conference record of 21.8 s. in the basketball game with Blacker 31-

Another conference record was shattered, though not by the Tuesday. Bullpups, when Oxy's Jack Strom trekked over the 220 yd. low hurdles in the fast time of

. Summary:

Mile—Tanner (R), Creasy (R), Cobb (C), Treasy (P), Hill (O), Steese (C). 4:53.3.

100-Yard Dash——Mason (R), Ruprecht (D), Taylor (R), Nerling (P), tie between Carpenter (O) and Kelogg (O). :10.

Carpenter (O) and Kelogg (O). :10.

220-Yard Dash—Mason (R), Ruprecht (O), Nerling (P), tie between Taylor (R) and Carpenter (O), :21.8*.

440—Cotrel (O), Fairbrother (O), Edwards (C), Schurr (R), Begg (C). :52.8.

880—Tanner (R), Edwards (C), Mann (O), Bowerman (C), Jackson (P). 2:06.1.

Low Hurdles—Storm (O), Nowels (W), Mason (R), McClung (O), Shand (P). :24.3.

High Hurdles—Nowels (W), Strom (O).

High Hurdles—Nowels (W), Strom (O), McClung (O), Shand (P), Berg (C).:15.5.

Shot Put—Swift (P), 41 ft.; Hubbard (R), 39 ft. 9½ in.; Miller (C), 38 ft. 8 in.; Lawson (O), 37 ft. 10 3/4 in.; Durkee (P), 37 ft. 7 in.

in.; Lawson (O), 37 ft. 10 3/4 in.; Durkee (P), 37 ft. 7 in.

High Jump—Hammond (P), and Conley (R), tie at 5 ft. 9 3/4 in.; Nowels (W), Beckner (W), Hastings (O), and Rheinschild (O), tie at 5 ft. 8 in.; Richards (O), 5 ft. 6 in.; Glahn (P), Kamel (C), and Johnson (C), tie at 5 ft. 4 in.

Broad Jump—Beckner, (W), 19 ft. 8 3/4 in.; Kellogg (O), 19 ft. 5 3/4 in.; Conley (R), and Nowels (W), tie at 19 ft. 5 in.; Siciliano (W), 19 ft. 3 3/4 in.

Pole Vault—Conley (R), 11 ft. 6 in.; Roweland (R), and Holt (W), tie at 10 ft. 6 in.; Follosco (O), 9 ft. 6 in.

Discus—Miller (C) 116 ft. 8 in.; Durkee (P), 111 ft. 8 in.; Swift (P), 108 ft. 8 in.; Finney (P), 105 ft. 9 in.; Ward (R), 105 ft. ½ in.

Javelin—Lawson (O), 159 ft. 1 in.; Ward (W), 153 ft. 5 in.; Hubbard (R), 151 ft. 3 in.; Finney (P), 146 ft. 5 in.; Rheinchild (O), 136 ft. 10 in.

2-Mile—Creacey (R), Cobb (C), Treacy (R) Swythe (C) Ward (P), 10:57 9

2-Mile—Creacey (R), Cobb (C), Treacy (P), Smythe (C), Ward (P), 10:57.9.

Mile Relay—Occidental (Contrel, Fairbrother, Mann, Ruprecht); Redlands (Schurr, Smithpeter, Ward, Tanner); Caltech (Edwards, Cobb, Bowerman, Sampson), 3:37.1.

Final Score—Redlands 56 5-6, Occidental 43 1-6, Pomona 22 1-3, Caltech 21, Whitter 20 2-3. *New conference record.



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OPEN EVENINGS

Interhouse Trophy Race Redlands' Frosh track team Nears Finale

With the scholastic year nearing its end, the Interhouse Trophy race between Fleming and Dabney is reaching an exciting climax. Fleming currently leads Dabney by a narrow nine point lead in I.H. competition.

Interhouse Trophy Race House Points Fleming 112 Dabney 103 Ricketts 72 The only blue-ribbon winner Throop

Tennis, Basketball Left Only tennis and the casaba be 25, 20, 15, 10, and 5 for last place, while tennis scoring will be 15, 12, 9, 6, and 3. The Big Red is assured of the Trophy for another 12 months if they annex first place in the hoop fight, even second in basketball and a first in tennis. In this eventuality the final score would be Fleming at least 140 points, and Dabney 138 digits. Should Dabney take firsts in both the basketball and tennis competition and Fleming runnerup spots in each sport, the Big Red would still hold on to the trophy, by virtue of a 144 to 143 Fleming, Dabney Win

In tennis matches last week, and Fleming shut out Blacker 3-0. Dabney won their opening

20, and the Big Red took a 38-21 verdict from Throop's cagers,

Sports Calendar

FRIDAY, MAY 7-Baseball: 3:30 p. m. Frosh at

Pomona. Track: 3:00 p. m. Varsity and Frosh vs. Redlands at T. P. Golf 1:30 p. m. Pomona at Montebello.

ATURDAY, MAY 8—

Tennis: 1:30 p. m. Varsity at

at T. P. Swimming: 1:30 p. m. Varsity and Frosh Conference Meet at Oxy.

Baseball: 2:15 p. m. Varsity

at Pomona. TUESDAY, MAY 11— Baseball: 4:20 p. m. Varsity

vs. Glendale JC at T. P. WEDNESDAY, MAY 12-

Swimming: 4:00 p. m. Varsity and Frosh at LACC.

Tennis: 3:00 p. m. Varsity vs. Pomona at T. P.; Frosh at Pomona.

Beaver Sports

CONFERENCE SWIM MEET SATURDAY; OXY FAVORED

pool. Oxy will be the favorite of the conference teams have with Caltech, Pomona, and Red- met the Poet paddlers.

The conference swimming | lands following in that order. mee will be held next Saturday Whittier's relative standing is at 1:00 o'clock at the Occidental indeterminate inasmuch as none

Strong Squad

Oxy's team has been especially strong all season long, having defeated UCLA by a narrow margin and the other conference squads quite decisively. The home crew ranks a strong second in virtue of having defeated both Pomona and Redlands by large scores.

Lose to UCLA

Last Thursday the Beavers met defeat at UCLA where the Bruins scored 47 to the Beaver's 28 points. Despite the strong lead of the Bruins, the Tech mermen gave some stiff competition up to the last event. Techmen Dixon and Shoen upset the Bruins' calculations by nabbing both 1st and 2nd in the next to last event, the 440 yard free style. The Beavers' relay team of Harris, Murphy, Mitchell, and Eschner followed the rally by defeating the UCLAn relay squad in the last event.

Dope Sheet

In forecasting Saturday's conference prospects, the Tech squad's best hope is for 2nd place, with Oxy at 1st. The Tigers' strength can best be seen by looking at each event.

Take Firsts Having fast men in breast,

ter, all of C.I.T., also came back, and free style, they stand (Continued on Page 6)

THREE TOP TECH TRACK TEAMSTERS



The three outstanding Beaver athletes shown above are Hal Tyson, Martin Walt, and Dwight Schroeder. The trio gathered four firsts in the all-conference track meet, Saturday. Tyson took the shotput and discus events, Walt tied with Berokoff of Oxy for first in the pole vault, and Schroeder broke the Tech low hurdle record by winningthat event in 24.3 seconds.

Throop Takes I.H. Trophy; Individual Awards Given

The Interhouse Bowling League wound up the '47-'48 season Monday with an individual sweepstakes event and the awarding of trophies. Glen Riechenbach, new manager of the Pasadena Bowling Courts, represented Col. and Mrs. E. C. Goldsworthy in presenting the Interhouse Trophy to Gene Whittier; Frosh vs. Whittier Mooring, president of Throop

Individual Awards

Courts were awarded for out top seeded Homer Richards as standing play in sweepstakes. No. 1 singles player. Bill Shivar These were won by Andy Check lost to Richards though the outof Ricketts and Bob Benton of come was doubtful for a while Throop. Andy fired a tremen- when Shivar took the lead in dous 195-184-216—595 series, plus the early play. 42 pins handicap for 637 and an easy high series victory. Bob Benton took high game with 201 Alexander sailed through the plus 16 pins handicap for 217 Redlands netman 6-1, 6-0 for the and a narrow win over Howard best score of the day. Charlie Cohan of Blacker at 216.

Beavers Best Bulldogs, Hens In Net Contests

Those who watched the Varsity tennis team in action last week saw our boys ace out both Occidental and Redlands in two thrilling matches to put Caltech right up on top of the Southern California Conference.

Double Win

The strength and particularly the depth of our Varsity Squad overpowered Redlands Univer-Two trophies donated by the sity 6 to 3 though they boasted

Rest Win

In the No. 2 spot, however, Ed Vadhanapanich, Larry Nobles,

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Phil Lamson, and Jack Poindex-

(Continued on Page 6)

FIRST TIME POPULAR PRICES

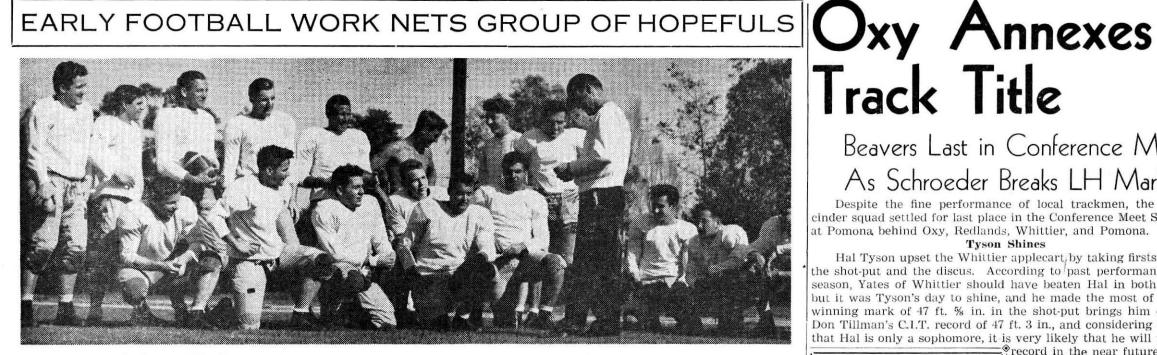


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Companion Action Feature JAMES OLIVER CURWOOD'S "WHERE THE NORTH BEGINS"



More people are smoking CAMELS than ever before!



spring football enthusiasts. The Beaver pigskin coach is conduct- are Bill Coons, Dallas Peck, Forest Allinder, Taylor Joyner, Roland ing a five week spring training period in preparation for next fall's Berner, Byron Karzas, Odell Carson, Neal Pings, and Carl Hildefootball season. Pictured standing from left to right are George Suman, Bain Dayman, Bill Muchlberger, Craig Marks, Dick Schus-

Coach Mason Anderson talks it over with seventeen of his ter, Don Hibbard, Don Schmid, and Bill Rumer. Shown kneeling

Tech Tenpin Topplers Throttle Preislermen Troy Twice in Two Tournies Tilt to Tigers Trounced By Oxy Batters The Beaver Frosh base fit still has fans scratchin heads as to how they counted by Trounced By Oxy Batters The Beaver Frosh base fit still has fans scratchin heads as to how they counted by Trounced By Oxy Batters

Tech bowlers downed U.S.C.◆ again this Sunday at the Trojan Beaver Golfers Win Bowl in Los Angeles, thus sweeping both ends of this home-and- Over Bulldogs; Poor home match. The strikes didn't come so easily over there as Scores Mark Play both teams finished with lower scores than last week. Totals: Caltech, 2956; U.S.C., 2865.

Heggland Leads

Heggland, whose 194-179-198-571 Andy Check, 474; Bob Lynn, 466; and Woody Bratnober, 518.

High Man

Trojan standout this week was Dick Nielson, whose final game of 240 was high for the match. A match with U.C.L.A. is being arranged at present, but no definite time or place has yet Benton and Barrie, playing numbeen set.

Last Friday, the golf team toured to Redlands for their last away-from-home match of the season. Team Captain and Head Sparking the Engineers to Scout Ed Revay finally found the victory was lead-off man Ray golf course, with the help of 2 service station attendants and a series was high of the afternoon. homing pigeon. The team was The remainder of the Tech seriously handicapped by the absquad finished as follows: Bill sence of Harry Moore, the reg-Root, 454; Roger Anderson, 473; ular number one man, but they were still able to hack their way through the mesquite thickets to during the following inning. an 11 to 7 win over the Redlands

Poor Showing

All in all, the golf played was very mediocre. Revay's medal of 77 was low for the day. (Continued on Page 6)

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The Varsity horsehiders lost another conference game at Tournament Park Monday afternoon to the Occidental Tigers, winding up on the short end of an 11 to 6 score.

Spaulding Starts

Five unearned runs in the fourth inning, after two outs, cost the Beavers the ball game. Art Spaulding started on the mound for Tech, yielding nine runs and seven hits, and Glenn Chaffee finished the last three innings, for his third assignment in six days.

Tech Leads

The Engineers led 4 to 2 in the third stanza but the roof fell in Spaulding almost got out of the inning unscathed when he caught runner off second base but Frosh Netmen a runner off second base, but Don Baker's throw to second hit Don Baker's throw to second hit the runner and the parade across the plate began.

Squash Tigers the plate began.

Sagehens host the Beavers, and the two teams should stage a hot fight for possession of the conference cellar. In a previous meeting the Hens took a close five to four decision from the En-

S.C.I.C. Baseball Standings

		Lost	
Whittier	6	1	.857
Redlands	3	1	.750
Occidental	2	3	.400
Pomona	2	3	.400
Caltech	0	5	.000
		_	

Slave: "There is a girl outside without food and clothing." Sultan: "Feed her and bring her in."

Beaver Babes Trounced By

heads as to how they could blow and fourths. a 7-5 lead by giving up 14 runs in the last four innings. The Beaverbabes did just that Saturday as they lost to Oxy's Freshmen squad 19-7.

Frosh Lead, 7-5

lead, the Tech Frosh put across Pat Welch. 5 counters, thanks to good solid blows, and wildness on the part of Oxy chucker, Sturdevant. The to an Oxy error, and a walk to Bates. Louis Stallkamp then pounded out a long triple to bring in three runs. Before the (Continued on Page 6)

Next Saturday the Pomona In 6-2 Victory

The Beaverbabe racketeers finally came through on Monday, by decisively defeating their ri-

Oxy match was a decided im-

Clean Sweep

Against the Tigers, the Beavers won all the singles except for (Continued on Page 6)

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Beavers Last in Conference Meet As Schroeder Breaks LH Mark

Despite the fine performance of local trackmen, the Beaver cinder squad settled for last place in the Conference Meet Saturday at Pomona behind Oxy, Redlands, Whittier, and Pomona.

Tyson Shines

Hal Tyson upset the Whittier applecart, by taking firsts in both the shot-put and the discus. According to past performances this season, Yates of Whittier should have beaten Hal in both events, but it was Tyson's day to shine, and he made the most of it. His winning mark of 47 ft. % in. in the shot-put brings him close to Don Tillman's C.I.T. record of 47 ft. 3 in., and considering the fact that Hal is only a sophomore, it is very likely that he will top that record in the near future.

Talkin' It Over

Probably the most pleased man on campus this week was the poor man's Dean Cromwelll, Doc Hanes. His track lads brought home more blue ribbons than any other team at the Conference The Beaver Frosh baseball out- Meet. The only thing we really fit still has fans scratching their needed was a few seconds, thirds,

Record Broken

Dwight Schroeder, Caltech's own Al Lawrence, blasted the existing school record in the lows in a fine 24.3 seconds. Running well ahead over the first After Oxy brought in 4 runs in seven hurdles he staved off a top half of the fifth to take a 5-2 fast close by Pomona's iron man,

Double Win

in the pole vault at 13' 1" but in his usual good form and tied spree was started by Moss get- Hal "The Form" Tyson breezed for first in his event, by clearing ting a single, Sereno on first due in the only double winner of the the high bar at 13 ft. 1 in. Elroy day copping the discus and the Chinn took a third in the broad shot. With all of his puts used jump with a leap of 22 ft. Doug stepped up to the plate and and with the two other top men Brown took a fourth in the 880; in the league yet to throw their and to complete the Caltech scorfinal sphere, Ty went into a ing the relay team came in in Yogi routine, warmed up his double whammy and sweated out five hard minutes. But it must have been the burning essence that did it, for both our pals the Bengals could ment Park. By virtue of the barely get the pellet out of the

Disappointment

There was only one disappointment for our award winners. For the last two years the points. by decisively defeating their rivals from Eagle Rock. Even though the second doubles was cancelled because of lack of time, the final score stood 6-2.

Change of Heart

Everyone seemed to have forgotten his troubles which have been so bothersome for the last three matches. After a dismal showing at Redlands, where the Engineers took a 8-1 waxing, the

ence crown by dumping the Engineers took a 8-1 waxing, the Tigers 5-4 and the Bulldogs 6-3.

Hickory Handlers

After trouncing LaVerne last weekend Peerless Preislers Per-

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Record Broken

As brilliant as Tyson's perwith The Goon | formance was, the most outstanding upset that the Tech tracksters pulled all day was Dwight Schroeders who, tabbed to take a fourth in the low barrier event ran a brilliant race in the time of 24.3 seconds to erase the old Caltech record of 24.4 seconds set in 1929 by Perry. This brings the total of broken records to three for this year.

Other Digit Men

Other point getters for the Tech team included Bob Funk who nabbed a fourth in the 220 yard dash in a close race. Funk, who has been sidelined all season with a pulled muscle ran much better than expected to obtain his place.

Martin Walt, Tech's new rec-Martin Wall was held to a tie ord holder in the pole-vault, was fourth place.

Last Meet

Friday afternoon Varsity and Frosh cindermen meet Redlands, in the season's finale, at Tourna-Bulldogs' showing in the conference meet, Tech is due for a shellacking. However, a little support from Beaver fans may aid Tech trackmen in garnering

(Continued on Page 6)

ambulating Pellet Pounders pranced proudly into the park to have at it with our little neighbors in Eagle Rock Monday. It looked like a shoo-in after the fourth inning for the Beavers with everyone playing brilliant ball, but the fatal fifth spelled doom for the battling batsmen of the Institute. Most Merry-go-Rounds have painted horses going round and round; the one in Tournament Park had

(Continued on Page 6)

Orange and Black Tigers. By

next year Bam's arm should be

in better shape which might

prove to be the key to a better

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CHAPMAN AND LAVERNE LOSE TO BEVONINE

11-5 win at La Verne Saturday. for second place. Glenn Chaffee pitched near shutout ball in the Chapman game,

Beavers Hit La Verne

The Beaver bats really boomed at La Verne, as everyone in the | Montgomery and Hall, will show lineup collected at least one base strength with 2nd and 3rd, but knock for a grand total of four- Occidental again stands best teen hits. Chaffee, Bruce Hed-chance of 1st with Wadsworth. rick, and Chuck Norman each pitched three innings. Chaffee did not allow a hit or run during his stint on the mound.

R. H. E. La Verne ... 0 0 2 0 1 0 0 2 6—11 14 5 La Verne ... 0 0 0 0 0 2 0 0 3—5 8 1 Odom and Masters: Chaffee, Hedrick, Norman and Petrulas.

BEAVER GOLFERS

(Continued from Page 5)

bers 2 and 6 respectively for the Beaver team, were the only ones able to take all of the three points at stake in each individual match.

Meet Pomona

This Friday will see the Beaver team on their home course, Montebello, battling it out with the conference-leading Pomona group. A victory for the Tech team in this match would possibly put them in first place in the conference, by virtue of total points won in the matches played to date.

SCORING
Revay (C) halved Smith (R); Benton (C) def. Johnston (R), 2 & 1; Rieger (R) def. Sims (C), 1 up; Moffat (C) def. Peterson (R), 2 & 1; Flora (R) def. Burrows (C), 2 up; Barrie (C) def. Henning (R), 3 & 2.

BEAVER BABES

(Continued from Page 5) Tigercubs could gain control, two more men scored in the in-

Oxy Scores in Eighth

The Beaverbabe downfall came in the fantastic eighth, in which Oxy scored 9 runs on 7 hits and 6 Caltech errors. Catcher Walt

home this season. In a previous meeting the Sagechicks rapped the Beaverbabes 15-3, and are favorites to repeat a win.

...0 0 0 0 4 3 1 9 1 Sturdevant and Wheaton; Daily, Stall-kamp, Pfeiffer and Pfeiffer, Bates.

Classified Ads

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FOR RENT 10x20 guest cottage and bath at Laguna Beach. Sleeps 2 comfortably or possibly 4 students. Prefer to rent all summer at \$20 for two per week. If interested contact Bradley of the Tech.

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FOR SALE—Thordarson one output tube amplifier, 2/3 net \$22 and one K & E LLD Decitrig slide rule. Leave note in "H" box in Throop for Herndon.

LOST—Ring of keys about two weeks ago. Walter Mudgett, Fleming 76, Sy. 2-9562.

SWIM MEET

(Continued from Page 4)

to take 1st place in the Medlev Relay with Tech pushing a close Coach Ed Preisler's Varsity second. In the 220 yard free baseball team ran up a two game style Oxy's Scoles will take first winning streak last week with a without trouble while Dixon 6-2 verdict over Chapman Tues- and Curray of Caltech fight with day at Tournament Park, and an Oxy's number two man, Evans,

Free Style

while his mates were pounding see Oxy's men, Crosby and Wolfe, out 10 hits. Tom Petrulas, Milt at 1st and 2nd with Caltech at Strauss and Chaffee each got two third. Tech will definitely take a back seat in diving while Oxy will sweep the field.

In the 150 yard back Techmen,

Breast, 440 Free

The 200 yard breast stroke can go either to Butterfly Bill Palmer or to Oxy's Brubaker. Bill Palmer has dropped the event to the Tigermen twice already, but his time has since dropped below either of those races.

The next to last event, the 440 yard free style, will see Oxy, Oxy, and Tech at 1st, 2nd, and 3rd, with Redlands and Pomona tailing.

The 400 yard free style relay will go to Oxy, Tech, Pomona, and Redlands in that order. Dark Horse

Whittier is still the dark horse,

BEAVERS BEST

(Continued from Page 4) through with rousing victories for the conclusion of the singles

Singles Decisive

Caltech had won the contest without the help of a solitary doubles match which is something of a record in itself. To give us an additional margin of victory, Larry Nobles and J. C. Bear captured their doubles match with little trouble.

Last Matches

Three conference matches remain to be played before the netmen can relax, but the deciding match will be that with Pomona on Wednesday, May 12, on Tournament Park courts.

OXY ANNEXES

(Continued from Page 5) 120 High Hurdles—Lawrence (O), Schle el (O), Beaudrand (W), Wallner (R)

6 Caltech errors. Catcher Walt Pfeiffer came in the ninth to take over pitching chores from Stallkamp, and gave a fine performance in his debut as Frosh moundsman.

Sturdevant again struck out 15 Beaver batters, and held the Engineers to 5 hits. Oxy batters pounded out 20 hits off of Daily, Stallkamp, and Pfeiffer.

Meet Pomona Friday

Tomorrow the Tech Freshmen squad travels to Pomona in their first and only game away from home this season. In a previous

120 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

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123 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

124 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

125 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

126 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

127 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

128 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

129 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

129 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

129 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Wallner (R).

129 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Robinson (P), and Brown (C), Tologham (P), Bins (O), 185 ft. 7½ in.

120 High Hurdles—Lawrence (O), Schlegel (O), Beaudrand (W), Robinson (P), and Brown (C), Yafes (W), Levin (O), Fair (O),

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TALKIN' IT OVER

(Continued from Page 5)

took plenty of the load off the shape. coaches' backs. Andy was say-The 100 yard free style should ing the other day the Bill Jarmie was as good as two assistant coaches and he wished that more men would sign to give him a hand out there.

three-way race.

Good Work

Speaking for the rest of the Which brings me around to men on the cage five, I can say one. Both Dean Blanchard and sets and Crosswhite required putting in a plug for the little that Englar and Smoot were in- Don Schmid continued their wintalked about managers who put fallible in seeing that the men ning ways, making their indiin twice as much work and get had every piece of equipment vidual records at 4 wins and one the doubles Martin and Blanhalf as much credit as the guys needed plus putting in plenty of loss. Jack Martin won his first chard had their own way all the that compete. This past year extra hours providing milk, soap, match of the season, when he time. we have a group of men that keeping the %15\$@! Armory in settled down in the second set

More Needed

This term's squads are ably cared for, but mostly by Freshmen or Juniors. It was originally intended that the senior manager be a Senior. But lately only however, and can upset any of Sophomores and Juniors have these predictions. The Poets been applying for the job. If any could be a blessing in disguise of you are interested in serving by robbing the Tigers of their in the capacity of manager, the point in free style while Tech two Queens of the Athletic Decame through with the other partment, not to mention the events, thus making it a close coaches, will welcome you with open arms.

FROSH NETMEN

(Continued from Page 5)

and won easily. Thorne Butler took his match after going three three sets to win his match. In



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