

Tau Beta Pi Offers Award to Outstanding Freshmen of Year

Murphy Elected New President; Free Tutoring Service Available

At a meeting last Thursday, the members of Tau Beta Pi, engineering honor fraternity, decided to extend recognition to an outstanding member of the freshman class who will be selected on the basis of scholarship and activities. Their choice will be announced in next week's Tech, and he will receive an award on Trophy Day.

It was decided to base judgment of candidates on both scholarship and campus activity, in much the same manner as candidates are selected for actual membership in Tau Beta Pi. The presentation of the award has already been given considerable investigation, and the choice of its recipient will undoubtedly be a difficult matter.

By recognizing an outstanding freshman in this manner, Tau Beta Pi expects to establish an added incentive early in the careers of Techmen, and it is felt that a necessary and worthy tradition is being initiated for the school.

Tutoring Service Offered

Last term Tau Beta Pi organized a tutoring service which is available to all undergraduates free of charge. Approximately 25 members are on the tutoring staff. For men desiring this service, they are asked to get in touch with Wes Hershey in the Y office in lower Dabney.

Tau Beta Pi Officers Elected

At the same meeting, officers were elected for the next 12 months. They are: Charles Murphy, president; Tom Stix, vice-president; John Rasmussen, corresponding secretary; Warren Christopherson, recording secretary; William Dixon, treasurer; and Don Wilkinson, cataloger.

Murphy was elected chapter representative to the national Tau Beta Pi convention to be held in New York City next October, and Bob Winchester was elected alternate representative.

Dr. Frederick C. Lindvall was nominated to the Faculty advisory committee, the other members being Dr. Samuel S. MacKeown, (chairman) Dr. Linus Pauling, and Dr. Royal W. Sorensen. Dr. Donald C. Clark was the retiring chairman.

Campus Calendar

Thursday, May 1—
Upper Class Luncheon at the Training Table, 12:00.
Throop Club Meeting, 12:00.
Dancing Class in Culbertson Hall, 7:30 p.m.

Friday, May 2—
Faculty Assembly in Culbertson Hall, 11:00 a.m.
Golf Match, Caltech at Redlands, 1:30 p.m.
Swimming Meet, Caltech at Pomona, 4:30 p.m.
Fleming Exchange with UCLA, there.

Saturday, May 3—
Tennis match, Pomona at Caltech, 1:30 p.m.
Baseball game, Caltech at Redlands, 2:15 p.m.
Blacker Hayride and Barn Dance.
Fleming-Ricketts Spring Dance.
Throop Club Bowling Party.

Monday, May 5—
Band Rehearsal in Culbertson Hall, 7:30 p.m.
Glee Club in Dabney Hall, 8:30 p.m.

Tuesday, May 6—
Baseball game, Pepperdine at Caltech, 4:15 p.m.
Caltech Ski Club Meeting, 155 Arms at 7:30 p.m. for the election of officers and the planning of the fall program.
Varsity Club Meeting in 208 Dabney at 7:30 p.m.
Christian Science Organization, 206 Dabney, 7:30 p.m.

Wednesday, May 7—
Frosh Luncheon Club at the Training Table, 12:00.
Tennis Match, Occidental at Caltech.
Swimming Meet, Caltech at Occidental.
ASME Meeting in 206 ME at 4:00 p.m.
Topic: Air Conditioning.
Orchestra Practice in Culbertson Hall, 7:30 p.m.

Thursday, May 8—
Upper Class Luncheon at the Training Table, 12:00 p.m.
Throop Club Meeting, 12:00.
Dancing Class at Culbertson Hall, 7:30 p.m.

Majorette Leads Symphonic Seven

Accomplished Eleanor Puts Pep in Pep Band

The Caltech Pep Band will soon radiate pep in immeasurable quantities under the leadership of Miss Eleanor Mae Hansen, their new majorette.

Miss Hansen's vivacious personality and infectious laughter will come as a breath of spring to enliven the recently formed pep-band of assembly fame. She is ideally suited to the position both in experience and training, having served as majorette throughout her high school career in Cheney, Wash. Later, she attended Eastern Washington College of Education and graduated from a conservatory of music.

Miss Hansen is musical to the nth degree. Besides piano, for which she has won several national awards, she also plays bass viol and clarinet. In addition, she is a skilled equestrienne, a swimmer of life-guard caliber, and an excellent dancer and tennis player. Techmen may be interested in knowing that she is 20 years old, and that she will reside in Pasadena.

The Pep Band, which is currently operating under the name, "Symphonic Seven," until it obtains another through the "Date with Doris" Contest, has recently been formed to rouse student enthusiasm and to play for assemblies. It is managed by Jack Ottestad, and the personnel consist of: Dave Warren, leader; Bruce Hedrick, Bob Hockaday, Cook, Al Hook, Wayne Herzig and Dick Alexander.

The group will soon begin work on a number of new selections, and it can be expected that

(Continued on Page 4)

Faculty Gets Salary Boost On New Plan

A new faculty salary plan based on 12 instead of nine months' appointments and providing for substantial salary increases will be put into effect July 1 by the Institute Board of Trustees, Dr. ee A. DuBridge announced today.

The new plan will provide a month's vacation annually, and for granting of leaves of absence with or without pay, depending on the type of work to be done by faculty members during such periods of leave.

Vacation will be encouraged whether faculty members remain at Caltech during the summer months or go elsewhere on leave.

'47-'48 OFFICERS NAMED

Newly-elected IRE officers, omitted last week, for next year are: chairman, Bob Kruger; and secretary-treasurer, Chan Rypinski.

Orators To Seek Conger Prize At Friday Assembly

Six speeches in competition for the Conger Peace Prize will be presented at the faculty assembly Friday, May 2, at 11:00 in Culbertson. The subject is "World and Industrial Peace," and the speeches will be approximately eight minutes in length. The first prize is \$50 and second prize \$25.

Sponsored by Humanities

The contest has been sponsored by the Humanities Department under the direction of Dr. John A. Schutz. The six speakers to be heard Friday have been chosen from a number of contestants; the selections were based on the merits of their manuscripts previously submitted to Dr. Schutz.

Student Shop In Operation

Caltech undergraduates now have a place on campus where they can do individual shop work at their own leisure. Under the leadership of Ed Roskowski the north end of the wooden building just north of the "Greasy" has been remodeled and power machines installed. Several shipments of tools have been received from the War Surplus and more are expected.

Several restrictions have been placed on members in order that all may receive the greatest use of the shop. These include safety rules and limitations of the use of certain tools to only those who are qualified by experience. An initial fee of \$3 is charged for the upkeep of the shop.

Those interested can see Ted Felbeck in Room 7, Blacker House.

Throop Bowling Party This Saturday Night

"Are you an Off-Campus man? Do you like to bowl? If so, Throop Club has just the deal for you." So said Babe Benton, off-campus prexy, early this week in announcing a Bowling Party for Saturday night. As before, the club has engaged the entire second deck of the Pasadena Bowling Courts, across the street from the Academy Theater. Members, with or without dates, may bowl from 7-9 p.m. for the small charge of fifty cents, with the club footing most of the bill. Afterwards, the lounge will be open for dancing.

Dinner-Theater Party

Last week the club held a most successful dinner-theater party. Approximately 30 couples attended the dinner and the Greek play, and they later were joined by many more at the club's record dance in the lounge.

Debate Awards Announced Eight Men Receive Honor

Dr. John A. Schutz, coach of Caltech debaters, announces that the following men are recipients of debating awards: Irving Sulmeyer, John Heath, Darwin Freebairn, Tom Vrebalovich, Joe Green, Bernard Shore, Eugene Zwick and Robert Stribbins.

Class Officers Elected In Sparse Balloting Tuesday

An exceptionally small fraction of the Caltech student body went to the polls last Thursday and Tuesday to elect next year's class officers.

In the race for President of the senior class, Bud Mittenthal defeated Bill Boutelle in the runoffs. A runoff was also required for the office of Vice-President in which Bob Winchester nosed out Chuck Moody. Senior secretary will be Bob Davis; treasurer, Bill Seiden, while Sage Burrows and Dale Vrabec will represent the class on the Board of Control.

ASME Convention Set; Wednesday Meeting

The annual convention of ASME Student Branches in western engineering schools will be held at the University of California in Berkeley on May 2nd and 3rd. The program will include an inspection of the famous cyclotron on the California campus, technical papers presented by students in a competition and banquet. Delegates from this campus will include Prof. Hollander, E. Beder, J. Werner, P. Conrath, W. Haas and R. Poindexter.

Air Conditioning

On Wednesday, May 7th, at 4:00 in 206 ME, the ASME will present Mr. W. L. Holliday, who will speak on modern aspects of air conditioning, and will also discuss the heat pump. Mr. Holliday is an engineer with the Drayer-Hansen Company, manufacturers of air conditioning equipment. Everyone interested in this field of engineering is urged to attend.

Placement Opportunities: Standard, Bethlehem

A representative from Standard Oil Company (N.J.) will be on our campus to interview engineers for employment in Venezuela. These candidates must be unmarried. Work will be in the field on exploration activities, drilling operations, pipeline construction and maintenance, and producing operations. If the employee is located in a permanent field camp, living conditions will be comfortable with provision made for recreation. On exploration parties and pipeline construction, the living conditions and facilities will be rough, but they are adequate. The responsibilities carried by men in foreign employment are in general higher than those carried by men of corresponding length of domestic service. The work provides unlimited opportunities for advancement for men who are rugged, able and temperamentally suited to employment in a tropical country. The date for the interviews is Tuesday, May 13.

The Bethlehem Pacific Coast Steel Corporation will have a representative on our Campus Wednesday morning, May 7, to discuss their Loop Course Training Program to a few select graduates who will receive their degrees in June, 1947. The basic training program is for a period of from four to five weeks.

If you are interested in further details, come to the Placement Office, Room 120 Throop Hall.

Placement Schedule

May 5—Sylvania Electric Company, Mechanical and Electrical Engineers, and Chemists—Open.
May 9—Inf. Telephone and Telegraph Corporation—Mechanical and Electrical Engineers—Restricted.
May 13—Standard Oil Company (N. J.), Engineers for Foreign Service—Open.

"Clouds" Success Is Thunderous

Attendance records were broken last Friday night at Culbertson as an all-time high of 454 people squeezed into its narrow confines to witness the premiere of "The Clouds," written by Aristophanes, with the aid of a few Techmen.

Bruce Worcester was a natural in the role of Strepsades, a codger, and played the part to perfection. His bewilderment in the Thoughtery evoked howls of laughter, as did the scene in which he was forced by logic to acknowledge that his son, excellently portrayed by Mitch Cotton, had the right to beat him.

However, the misagynistic arguments of Old Tech, in the person of Dave Caldwell, would have been considerably weakened had New Tech (mobile "any" faced Tom Stix) known that the lovely queen with the upswept hair-do, sitting in the front row, was Caldwell's date for the night.

Confusion Reigns

Conditions back-stage opening night were even more hectic than those out front. For example, the gadget for measuring the charge on the electron—the one with the siren, flashing lights, electrical Jacob's ladder, waving flag, and phonograph blaring "Stars and Stripes Forever"—was completed 15 minutes before curtain time.

Saturday night was a sell-out also, with a surprisingly good response from the older audience.

The Caltech players plan to present a performance at Oxy and perhaps at Scripps. Whittier representatives deemed it unsuitable.

Musical Baedeker

Last Sunday afternoon Caltech's No. 1 jazz musician, Rex Stewart, assembled his band in Culbertson Hall to make a few recordings. After some preliminary difficulties, the small outfit carved a space out of the debris of the Greek play, set up the complex recording instruments, the band stands, the spots, and other accessories, and with the prevalent blue smoke and general nervous tension, Culbertson Hall had all the aspects of a recording studio.

Be-bop Sound

Rex's band, consisting of seven pieces and a vocalist, is on a somewhat modified be-bop kick. This is especially apparent in some of the solos on the faster numbers; however, Rex has in his books some smooth, danceable pops which most certainly do not sound like Carmen Cavallero, as Rex worriedly suggested.

Tunes Recorded

Stewart is, of course, handicapped by lack of sufficient rehearsal time. In spite of that, his combo turned out some surprisingly acceptable music which sounded fine on records. The records would have been even better were it not for the poor acoustics of Culbertson, which sounds more like Echo Park

than a recording studio.

A total of five tunes was recorded—"Battle Axe," an old Jimmy Lunceford stand-by; "Sonny Dei," an original by Rex himself; "Through the Night"; "Don't Worry About Me," and "I'll Remember April." The last two tunes featured vocals by Lois Burwell, who sang for Techmen last fall at the Pajamarino. The records may be heard in Rex's room upon request.

Concerts at the Civic

Elmer Wilson, Pasadena music entrepreneur, is busy lining up a series of fine concert presentations at the Pasadena Civic Auditorium for the fall season. This year local music lovers heard four concerts by the Los Angeles Philharmonic Orchestra and a fine line-up of famous singers and soloists. Future events promise to be just as inviting; musicians scheduled to appear already include such names as Vladimir Horowitz; Tagliavini, famous operatic singer; Jennie Tourel, brilliant soprano, and William Primrose, viola virtuoso.

Season tickets may be applied for at present through the Civic Auditorium box office.

THE SQUARES' CIRCLE

Dear Len,

I am writing this letter to the CALIFORNIA TECH on behalf of the Senior Class and the Court of Traditions. As you and your readers might remember, the Court held a trial last term for violation of a sacred tradition: The Senior Bench.

The trial was held and many thought that it was in poor faith. The fact remains, nevertheless, that the Senior Bench is as much a part of this school as the Honor System. A few of the students even went so far as to steal and dissemble the bench. It is a useless task of trying to locate it, especially when given misleading directions.

It is with this, then, that I am pleading to those who took and hid the bench. I am asking them to return it and to place it under the Senior Oak, its rightful resting place. It might be well for them to remember that the particular bench which was taken was donated to the Institute in remembrance of an ex-Tech student. In my opinion it is in poor faith to mishandle such property.

Sincerely and hopefully,

FRANK J. WOLF.

The Front Burner

—Lewis L. Grimm

The Four Guardsmen, the "Lady Killers of the Gay Nineties," headline the Saturday Night Vaudeville at the Civic Auditorium this week-end.

"The Three Kitchenettes," a female trio that star on the tram-polene, will keep your interest at a high pitch with their feats in the air.

Also entertaining will be Betsy Gay, the singing comedienne who appears daily on KFVB; Hal and Norma, a musical comedy dancing novelty, and many others. For a good seat, come early, or you may get left out.

EPIHEMERAE

And this is what happens! Back to a four-page, "streamlined" Tech—no cuts, few features, and all the news packed into a minimum of space.

Maybe that's the way most of you like the paper—but from the comments we editors have been getting, it wouldn't seem so.

Eight?

Now believe it or not, this isn't going to be another plea for more men to come down and help us get the news. Even though nearly everybody is overworked, the staff has been turning in enough stuff lately to fill an eight-page paper, what with cuts and all—and it's all good stuff.

Why Not?

Then why don't we run it, you ask. There's only one reason. Extra pages cost money. More and bigger cuts cost money. Practically everything costs money, and the only way we can pay for the extra pages is through getting more ads. It takes a little better than a third of a page of ads to pay for each page.

Solution

So here's what we need: A few men who like to feel the jingle of extra change in their pockets. Positions on the business staff aren't like those in the writing category—they pay, and pay

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well. For instance: a four-inch ad, on contract for only one term, puts ten dollars in the pocket of the salesman. And that ain't hay!

Man to See

Business Manager Bill Bradley is the man to see if you're interested in pocketing some of this spare change. He lives in Ricketts.

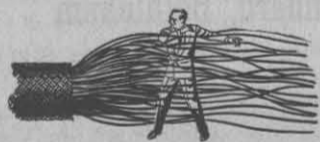
Just a Word

And here's something that everyone can co-operate in. When you go to a shop that's advertised in the Tech, just casually mention that you saw their ad, so we can keep ourselves before the advertising public.

J. Phillip Honored

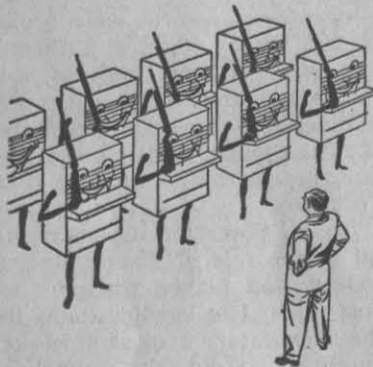
After the way Phil's bright Honor System Day thought snowballed into Tuesday's goings-on, he positively refuses to take his vacation. Keeps mumbling something about being an "indispensable man." One thing is certain, as soon as we get rid of his other ad-absence self, the Tech will be a better paper. —LEN.

News-worthy Notes for Engineers



What's wrong with which wire?

Formerly, when switchboard cables failed to pass inspection, it was often difficult to determine which conductor was causing the trouble and what the exact nature of the trouble was. Not any more. Now, Western Electric engineers have developed a new test set that checks switchboard cables for the continuity of each wire... that checks the dielectric strength between each wire and every other wire and the ground shield. It automatically tests a cable of up to 320 conductors for continuity and insulation resistance in a total testing time of 35 seconds! If a defect is present, the faulty conductor and the type of defect is indicated visually.



Rigid Inspection is the rule

Bell Telephone equipment, being precision apparatus, must stand inspection during each stage of its manufacture. Materials being used in manufacture... parts in process... partial assemblies... equipment after it is assembled and wired... all must be checked and rechecked to insure high quality of performance.

The design and maintenance of test equipment for such a wide variety of products calls for men with technical training and inventive resourcefulness.

This equipment must be fast and accurate in operation, and although it may be complex in design and construction, it must be simple to operate by the average worker. And, to facilitate mass production, test equipment of many different types is also required.

Here are just a few interesting examples of the many test sets Western Electric engineers have developed to meet these needs.



Looking at voices

A new method for testing the volume efficiency of telephone receivers has been introduced since the end of the war. Now, the output of a 0-3000 cycle per second, slow sweep band frequency oscillator is applied to the receiver and its output depicted upon a long persistence screen of an oscilloscope. Thus, an inspector can see the complete frequency response curve of the receiver under test and quickly classify defective receivers according to the nature of the defect.



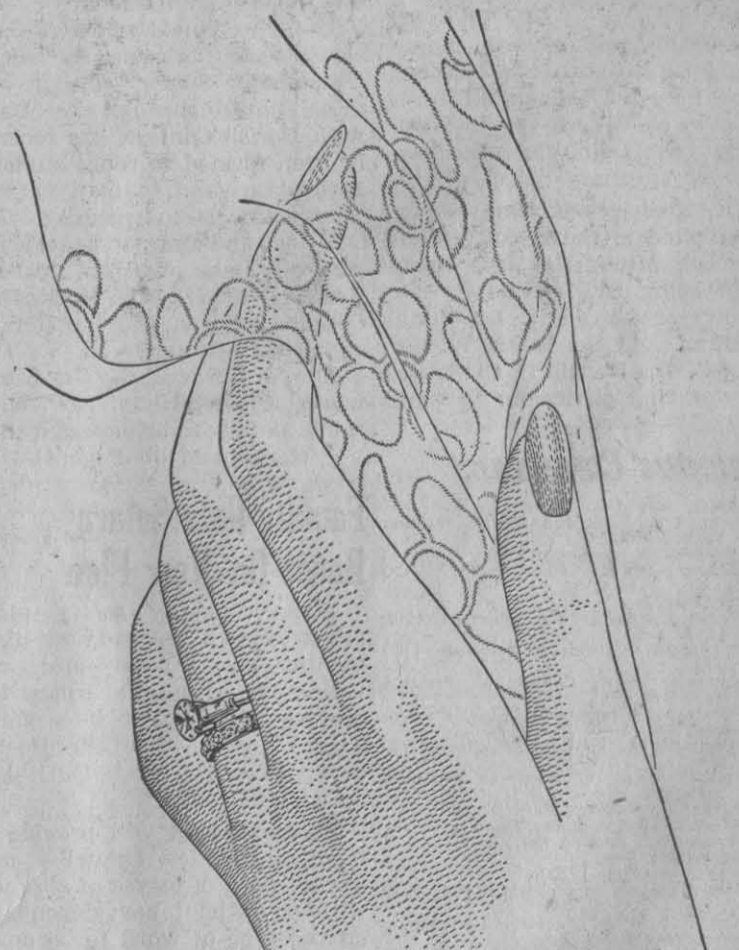
Find the pinhole!

In the manufacture of coils for relays, ringers, etc., Western Electric uses tremendous amounts of enameled wire. The quality of this insulating enamel must be of the highest. So Western Electric developed a "pinhole" test set which reliably detects the most minute imperfections in the enamel coating as soon as it comes from the baking oven. This instrument helps greatly in maintaining quality standards and in establishing satisfactory sources of supply.



Is it cracked on the inside?

In wartime especially, a large volume of non-ferrous rod stock was used. Testing it for internal flaws became imperative, yet no manufacturer of such stock had devised any method. Western Electric engineers came through with a device to do the job. One that not only located objectionable cracks and determined their thickness but also served as a precise thickness gauge for such materials as aluminum condenser foil... detecting differences of a fraction of a millionth of an inch in foil nominally two hundred millionths of an inch thick.



The beauty of tradition — her grandmother's veil — and wedding rings, just like her mother's, from Brock & Co.

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Manufacturing telephone and radio apparatus for the Bell System is Western Electric's primary job. It calls for engineers of many kinds — electrical, mechanical, industrial, chemical, metallurgical — who devise and improve machines and processes for large scale production of highest quality communications equipment.

Western Electric

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Torrid Tech Teams take Three Tilts

Compton Ducked 41-34; Houser Breaks Record

Cuts Two Seconds Off 440; Pomona Meet Friday Away

Yes, they finally broke through. The Caltech swimming team came in for a win, and what a meet! Compton JC took many for the first places, but our boys piled up the second and thirds. Palmer came in for a first in the 200-yard breaststroke and McKenna in the diving with some very nice dives. Brad Houser, that versatile man from Ricketts, set a new Frosh Swimming Record. He is one of the two frosh who holds a football letter. His time for the 440-yard free style was 6:01.2. The old holder of this title was Bob Merrick, the present swimming coach, whose time was about 2 seconds slower. This was the first record to have been broken this season. Nice going, Brad!

Pomona Friday

The next meet of the season is with Pomona and it will be there. It promises to be a very good meet. They beat us last time by a nose, but this time... well, who knows? The time of the meet is Friday at 4:30.

Here are the results of the Compton JC meet at the PJC pool last week:

Medley Relay—Caltech (Montgomery, Palmer, Eschner), 3:39.0; 220 yd. free style—Edmunds (C), Houser (T), Dixon (T), 2:40.6; 50 yd. free style—Inlow (C), McNary (C), Murphy (T), 25.2; Diving—McKenna (T), Scull (T), Pomeroy (C); 100 yd. free style—Inlow (C), Murphy (T), Mitchell (T), 1:01.5; 150 yd. ack stroke—Edmunds (C), Montgomery (T), Hanson (C), 1:58.8; 200 yd. breast stroke—Palmer (T), Boicourt (T), Carter (C), 2:55.8; 440 yd. free style—Houser (T), Dixon (T), Biggs (C), 6:01.2; 400 yd. Relay—Compton (Inlow, Edmunds, McNary, Sebelus), 4:14.6. The final score, Caltech 41, Compton JC 34.

CONFERENCE STANDINGS

	W	L	GBL
Whittier	3	0	
Occidental	3	1	1/2
Redlands	3	2	1 1/2
Caltech	1	3	2 1/2
Pomona	0	4	3 1/2

Wynn Mace Tennis Shop

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SYcamore 6-5804

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CALTECH BARBERS

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SPRING SPORTS ARE HERE

SEE US FOR BASEBALL, TRACK, TENNIS

and GOLF SUPPLIES

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27 South El Molino

SY. 6-4161

Gophers Gnaw Poets; Meet Redlands Away Tomorrow; Expecting

Last Friday afternoon at Santa Anita the Beaver golf team won its third match of the season by defeating Whittier, 14 1/2 to 3 1/2. Benton, Bennett, Moore and Douglas all defeated their respective opponents by large scores. Otto Strobel, Whittier's ace golfer, defeated Harrington, 1 up, in a very close match, while Big Ed Revay came from behind to tie his opponent.

Redlands Tomorrow

Tomorrow afternoon the squad travels to Redlands in the second to last conference match of the season. As Tech's first four men are now shooting in the 70's, the Bulldogs are expected to furnish little opposition.

Scoring System

Details of the method of scoring golf matches will be given in next week's Tech.

GOLF RESULTS 14 1/2 TO 3 1/2

Strobel and Harrington (T) 1 up.
Revay tied Spurr.
Douglas def. Litten 6 and 5.
Moore def. Marten 6 and 4.
Benton def. Marten 5 and 3.
Bennett def. Hurt 5 and 3.

Rowdies Beat Oxy

A new low in Tech sporting exhibitions was marked last Friday at Oxy with the defeat of Orr Hall's volleyball team by the dashing athletes of Ricketts. The game was delayed at the outset while the girls had the fundamentals of the game explained to them. After this briefing, the Rowdies proceeded to overcome the handicap of the usual Oxy rules—"If we do it, it's all right"—and followed Captain Dale Meier to triumph. This smashing upset was greeted by both spectators with wild indifference.

Insult to Injury

Adding insult to injury, the victors politely but firmly refused to tarry on the Tiger campus and enjoy the fruits of victory—in this case a dinner with the charming hostesses.

Weekend Sports

FRIDAY:

Golf. 1:30, Redlands, away.
Swimming. 4:00, Pomona, away.

SATURDAY:

Tennis. 1:30, Pomona, here.
Baseball. 2:15, Redlands, away.

PASADENA BOWLING COURTS

970 East Colorado
Rendezvous of Caltech Bowlers
Open 11 a. m. to 1 a. m. SY 3-1341
Special Student Rate before 6 P. M. except Saturday, Sunday, and Holidays
20c Per Line

Sign Up Now For Novice Tournament

Pomona Meet Here Saturday; Scott Tourney Under Way

Room 14 in Throop is humming with activity this week as plans are being wrked out for the tennis tournament which is open to anyone who can hold a racquet in one hand and a ball in the other. This is the annual Novice Tournament, originated last year and open to all undergrads of Tech who have not won tennis letters. Members of Coach Lamb's tennis classes need not even bother to sign up, for they have automatically been entered in the tourney.

Anyone and everyone else who is interested need only turn in his name at the athletic office to become a participant.

Scott Tournament

The Frederick S. Scott Tournament which was open to all undergrad students is moving right along this week. Watch Chargin' Charley Vadhapanich as he moves along. He's a favorite to repeat his 1946 victory.

Sagehens Saturday

Pomona's Sagehens, rated second strongest in the league, meet the Bevos this Saturday in Tournament Park.

'48 Wins Dabney Relays

The Dabney annual intra-house, inter-class track meet got off to an auspicious start Tuesday, April 22, as the Juniors eked out a hard-fought victory with 29 points. Favored in the pre-meet wagering, the Sophs came in second with 25 points while the Freshmen were close on their heels with 23. The Seniors, minus Ken Shauer and handicapped by the early loss of "Fighting John" Bauer, trotted behind with 15 grim little points. Individual honors for the day went to Frosh Martin Walt, who amazed everyone by taking first place in the shot-putt, high jump, and hurdles, as well as running on the winning four-man 440-yard relay team.

Other firsts went to Soph Wayne Herzig in the broad jump and Junior Joe Green in the 50-yard sprint.

The meet was initiated by Dabney's Resident Associate, Chuck Auerbach, who provided a beautiful addition to Dabney's mantle, the Sali M. Auerbach Perpetual Trophy, named in honor of Chuck's late father. Chuck also awarded medallions to each of the winners.

Officiating were Dr. Sterling and Col. Goldsworthy, who wielded authoritative stop watches.

Final results:

50-yard dash—Joe Green (Junior) 5:8 seconds.
110-yard low hurdles—Martin Walt (Freshman) 14.3 seconds.
High jump—Wayne Herzig (Sophomore) 10' 23/4".
16-lb. shot put—Martin Walt (Freshman) 35' 10".
Mile relay—Sophomores (King, Kono, Houghton, Kariotis).
880-yard relay—Juniors (Moody, Spellman, Wolf, Green).
440-yard relay—Freshman (Picciotto, Corbato, Warren, Walt).
880-yard medley relay—Sophomores (Ottestad, Kono, Hickey, Kariotis).

Ice Skating

Daily 2:30 to 5, 7:30 to 10:30
Sat. & Sun. Morn. 10 to 12:30
Skates for Rent
Instructions

Pasadena Winter Gardens

171 S. Arroyo Parkway

Ballteam Beats Pomona, LaVerne

Finally turning to superstition to solve an age-old problem, Coach Musselman's Eager Beavers came through with a brilliant 12-2 victory last Saturday at the expense of Pomona's hapless Sagehens. By the Headman's direction, there was a great knocking on wood all through the game, which was played at Claremont.

Head knockers for the day were Dick Patterson, with a home run and two singles; Chuck Norman, who poled a triple and three singles; and Johnny Mason: double and two singles.

"The Arm" Hedrick

In all, the Beavers collected 15 base blows for a team average of .358. During all this excitement, the dependable workhorse, Lang Hedrick, faced only 29 Pomona men, and let them down with two hits.

Pomona Opens Scoring

Pomona opened the scoring in the second inning on a long triple, and a squeeze bunt. The Hens added another in the third on a Beaver error, a stolen base, and an umpire. After that, it was all Tech.

Runs and Runs

The Beavers combined singles by Mason, Norman and Patterson with a base on balls and a Hen error to produce three runs in the third innign. Four more came across in the mighty sixth. Morrison was on on an error, Bruce Hedrick walked, and Smith got a single to score Morrison. Patterson then came up and parked a ball out in The Wash for a home run. Schafer, the Pomona pitcher, then retired to think it all over, and was succeeded by Kirby. The change

Ricketts Wins Discobolus From Blacker In Basketball

Amid the raucous cries of assorted rooters, the Ricketts Rowdies defeated the Blackermen in a basketball game, 32 to 25, a week ago Tuesday. As a result of this victory. The Discobolus traveled northward and has recently been reposing in the company of the Ricketts lounge lizards.

Opposing an aggregate of a varsity man and several JV men, the Blacker squad showed surprising strength; and led at the half, 14-13, and in a few moments of the second half held an 18-13 lead. But the Ricketts team, led by Ted Bowen, slowly came into form, and aided by liberal substituting, built up a 32-25 victory.

failed to stop the flood, however.

Game Notes

The Pomona affair marked the fifth consecutive game which Patterson has opened with a safe hit. Norman and Morrison made 12 assists without an error. Once again the squad was forced to notice the advantages of coeducation . . . and The Wash, where balls are always in play. Next Saturday the squad will go to Redlands.

La Verne Defeated

There might have been just a slight note of sweet revenge early last week as the Beaver stickmen disposed of La Verne, 8-2, making up for a previous defeat out in the orange country. Coach Musselman's men pounded out seven hits in an abbreviated five-inning game. "Big Mac" MacGinitie went all the way for the locals, and received good support, both at the plate and in the field.

CALTECH		AB	R	H	O	A	E
Patterson, cf	4	2	3	0	0	0	2
Butler, 2b	4	0	1	1	0	0	0
Petrulas, c	5	1	1	8	0	0	0
Hedrick, p	6	1	1	0	2	7	0
Norman, ss	6	2	4	2	0	0	0
Mason, 1b	5	1	3	12	0	0	0
Morrison, 3b	3	3	1	2	5	0	0
B. Hedrick, lf	5	1	0	1	0	0	0
Smith, rf	3	1	1	0	0	0	0
Total	42	12	15	27	14	2	

POMONA		AB	R	H	O	A	E
Newton, R., 2b	4	0	1	1	1	1	0
Mertz, 3b	4	0	0	1	1	0	0
Damion, 1b	3	0	0	11	0	0	0
Newton, M., lf	2	1	1	3	0	0	0
Brown, ss, cf	2	0	0	0	5	3	0
Kirby, p, rf	3	0	0	0	0	0	0
Baughman, c	3	0	0	10	1	0	0
Alberian, cf	2	1	0	0	1	0	0
Swanson, ss	1	0	0	0	1	0	0
Schafer, p	1	0	0	0	2	1	0
Schidinger, rf	2	0	0	0	0	0	0
Total	27	2	2	27	10	5	

SCORE BY INNINGS

	AB	R	H	O	A	E
Caltech	0	0	3	0	4	2
Hits	1	0	3	1	3	1
Pomona	0	1	0	0	0	0
Hits	0	1	0	0	0	0

Innings pitched by—Kirby 4, Schafer 5, Hedrick 9; Credit victory to—Hedrick; Charge defeat to—Schafer; Hits off—Schafer 8, Kirby 7, Hedrick 2; Runs scored off—Schafer 7, Kirby 5, Hedrick 2; Struck out by—Hedrick 6, Schafer 2, Kirby 7; Bases on balls off—Hedrick 1, Schafer 3, Kirby 5; Hit by pitched balls—Kirby (Smith); Wild pitches—Kirby; Stolen bases—Alberian 1, Morrison 1, B. Hedrick 1, Smith 1; Home runs—Patterson; Three base hits—M. Newton, R. Newton, Norman; Two base hits—Mason; Sacrifice hits—Brown 1, Patterson 1, Butler 1; Runs batted in—Brown 1, Patterson 4, Butler 1, Norman 1, Mason 1, Morrison 1, B. Hedrick, Smith 2; Double plays—Morrison-Norman, Norman-Mason, Baughman-Mertz; Left on bases—Tech 14, Pomona 0; Balk—Kirby. Team-hitting—Caltech .358, Pomona .074.

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Campus Brewin's

From Rio de Janeiro comes a refreshing note in this world of strife, of atom bombs and shady interhouse politics. A news item reports that deep in the Amazonian jungle the Uaicás tribesmen have embarked on a bold plan to give their declining birth rate a shot in the arm. In a series of bloody battles they have stolen into the camps of their rivals, the Paquidarís, to engage in the wholesale abduction of the most eligible young virgins. The California Tech's correspondent, writing from a frontline foxhole, claims that many of the warriors were so stunned by the sight of large numbers of pretty girls, clad only in the usual necklaces and decorative paint, that they almost failed to carry out their primary objective.

Papal Bull

Nevertheless, the boys are obviously no fools. In fact, we here at Tech could profit immensely by showing a similar degree of ingenuity. Information I have received from the various popes indicates the rate of procreation among undergraduates is at a disturbingly low figure. Hence, rather than squander our energies in internecine warfare, with the appalling loss of life and limb that has been observed of late, would it not be far better to unite our efforts in remedying this most vexing problem. If anyone still needs to be convinced I need only ask him to contemplate the sight of a bevy of the best that Scripps has to offer, corralled in one of the student house courts, and clad only in their civilized necklaces and decorative paint.

Fare Thee Well

Two of the big men of Dabney can be heard dropping tears into their beers. Ken Shauer just bid farewell to Joanne while Bill Muehlberger's Marion left Dabney after bidding fond good-bye to several of the boys up at Scipio's Inn. How can you stand it, Bill?

Jeanne Johnson or her car, or both, are just a jinx to Dave Caldwell. On two successive occasions, as he climbed into her coupe, a fifth of evening's good cheer slipped from his grasp and shattered dishearteningly to the pavement.

Family Apartment

Confusion reigned in Alley 5 in Dabney last week when Bill Convis left his offspring of tender years in Dave Warren's room. Roommate Cooke knew nothing of the arraignments and was somewhat startled by the whole business, especially when the tot started squawking. The alley is now running a school in child care and nursing.

Heave Ho!

Never let it be said a Techman won't work for his beer. Bill Palmer, J. C. Bear, Mitch Cotton and Bob Krueger are still panting after lugging a 15-gallon keg of beer down and up a 100-foot cliff to Blacker's beach party last Sunday.

Lang Hedrick's resounding two-hit victory over Pomona was celebrated Saturday night at the Skip where Lang, Bruce, Hugh Carter and Dave Warren hosted the "Girl With the Million-Dollar Legs," Emily Russell. One round, of course, was on the House, even after the barflies had been regaled with "Foggy Dew."

Fleming Frosh Max Mathews had his O.A.O. down from Stanford for the week-end.—Why is Bob Smoot working in Denver this summer?

Two Hundred At Alumni Seminars

The annual alumni seminars were held on Saturday, April 26, and a new policy was adopted whereby only one seminar was held at a time for the entire group.

Among the seminars was a discussion by Dr. McCann, who described the ENIAC calculator, based on the binary number system. He also discussed the analog calculator, which can solve mechanical problems through the analogous electrical circuit.

Tour of Campus

After the seminars, the alumni toured the campus and labs. Among the 200 alumni was Diantor M. Haynes, '96, a graduate of old Throop Polytechnic.

After dinner, which was served to alumni and their wives at the Shakespeare Club, Dr. John Schutz presented an interesting discussion on current politics. Later many of the alumni attended the Greek Play.

Chess Club Challenged; Meet Pasadenans Friday

The Pasadena Chess Club has challenged Caltech to a match to be held tomorrow night at 7:30 at the Pasadena Chess Club, Central Park (north side of Del Mar, between Fair Oaks and Raymond).

There are sufficient Pasadena players to guarantee a game for every Caltech player who turns out.

Regardless of your strength as a player, you are welcome to attend the match and take a board for the Caltech team.

CHRISTIAN SCIENCE LITERATURE

Authorized books and periodicals concerning Christian Science are now available for the use of all who are interested in Room 6, Dabney.

MAJORETTE LEADS

(Continued from Page 1)

these artists, under the influence of Miss Hansen, will soon proceed to fame, and perhaps even fortune.

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WEBSTER'S Unabridged Dictionary, 1942 edition, India paper. Like new. \$10.00. Drop note in "C" box to the Calif. Tech if interested.

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Talkin' It Over

With Stan and Paul

Sitting around the cribbage table after skunging Clay and Monty, talk got around to intercollegiate athletics at Tech and how they affect the student-body. You know, there's been a lot of talk on campus lately about the relative places of intercollegiate and interhouse encounters; and there have been as many opinions as there are guys.

Rough as a Cob!

Of all the colleges in the Conference, Tech is at the biggest disadvantage. We have inadequate facilities; we offer no inducements to bring the athletes here; the entrance exams cut out a lot of men; and most important of all, the work is hard enough to keep the athletes at their desks instead of on the playing field.

However, with all of these strikes against us, Tech has won more than its share of Conference titles, and has repeatedly upset the dope bucket by spilling highly-touted teams. This has been accomplished by a lot of hard work and effort on the part of the men on the squads, the coaches, and the attitude of the student-body. We are very fortunate here in that a large percentage of the undergrads

live in the Student Houses and are thus able to spend more time in their sport, and ALSO we have a wonderful training ground for inexperienced men in our interhouse athletics.

Many Big Discoveries

One should never underestimate the good that this program accomplishes. Many men like Ken Shauer, men who previous to Tech never competed in intercollegiate athletics, became outstanding men in their sports all because they were pushed into them.

The house rivalry that is a direct result of this system has built in intercollegiate sports as well as school spirit that would have never developed.

The question that now arises: Where do we draw the line between the benefits of intercollegiate and interhouse athletics? Let us, for example, take the case of a key man on this year's track squad who missed a day's practice by playing in a Discobolus volleyball game. Not only was it important that he should work out that day, but his legs were strained. Therefore, it was not only the day of practice that he missed but the three days needed to get back in shape.

Oh Jay had to snake his math, so we put away the pegs and pasteboards to continue the discussion tomorrow.

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