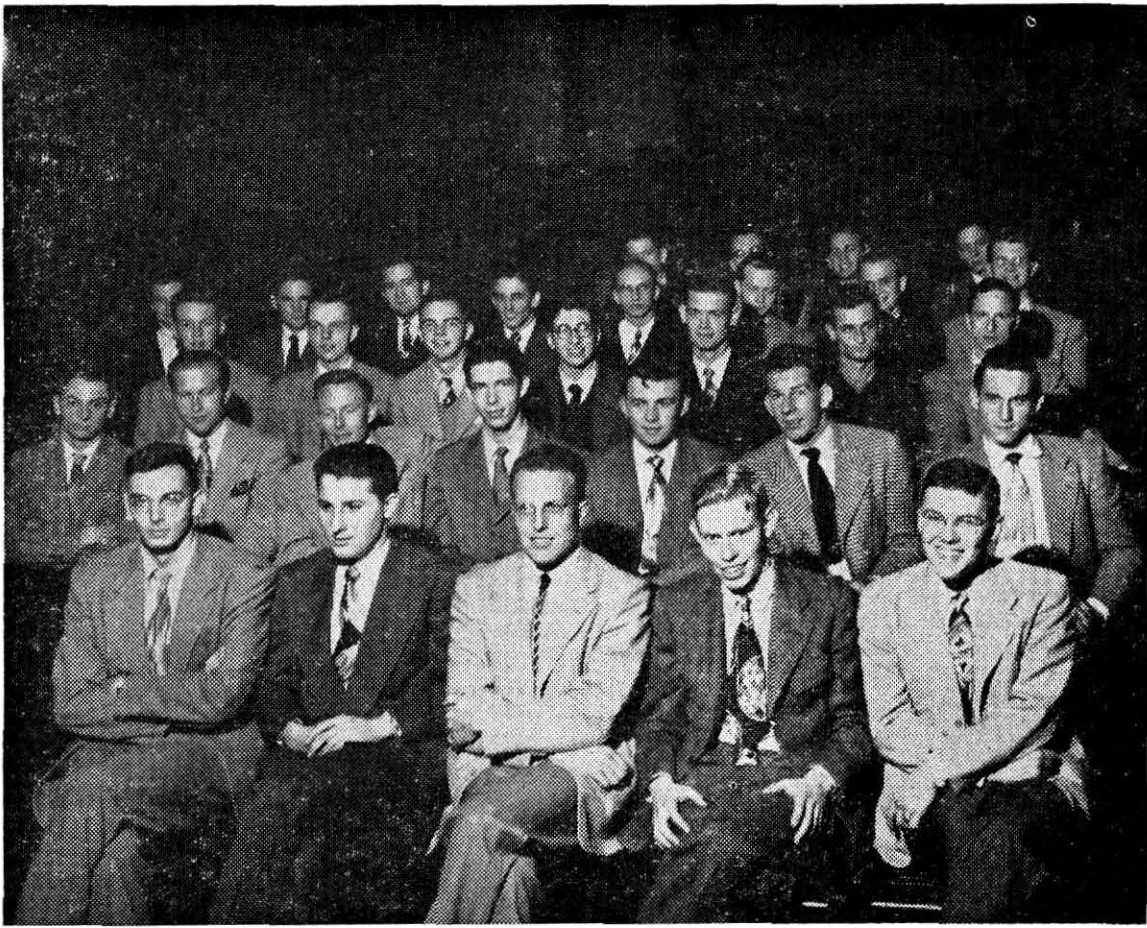


CANDIDATES FOR ASCIT OFFICES



Candidates for ASCIT offices. From left to right: first row, Jesse Weil, Ulrich Merten, John Fee, Don Stewart, Bob Stanaway; second row, Pete Mason, Ray Greutert, Olly Gardner, Charlie Steese, Chuck Walker, Dave Hanna, Alan Marshall; third row, Sam Middlebrook, John Boppert, Barney Engholm, Bob Kurland, Leon Michaelson, Chuck Miller, Stan Groner; fourth row, Rich Smyth, Dallas Peck, Neal Pings, Pat Fazio, Alan Haber, Frank Ludwig, Bob Davis, Al Pitton; fifth row, Doug Inglis, Norm Gray, Bill Wright, Carl Hildebrand.

Y Finance Drive Ends With \$2500 Goal in Sight

With the official completion of the 1950 Caltech YMCA financial drive, returns show more than 900 contributions totaling over \$2300. As 400 cards are still to be turned in, the Y is confident of meeting its goal of \$2500.

Drive Chairman Joe Cain states that top credit for the success of the campaign should go to the 140 undergraduate and graduate solicitors who braved mud and rain to collect an average of \$2.50 per head.

Dabney Tops

Although final reports are not yet in, it looks like the student houses came through with a total of \$840, with Dabney, Ricketts, Fleming and Blacker finishing in that order. The faculty gave \$800, graduates \$300, off-campus undergraduates \$300, and Institute personnel \$100.

This money will make up one-fourth of the total current budget. It will go almost directly into the services and activities of the Y that benefits an estimated 85% of the student body.

They Also Serve

Assisting Joe Cain in the drive were Vern Edwards, in charge of publicity; Carel Otte, graduates; Dwight Schroeder, faculty; Peter Knoepfler, Bruce Hedrick, Jack McEwing, Bill Cox and Leo Baggerly in the student houses; Dick Buck, Jim Gerhart, Bob Cobb, Dick Jones and Larry Starr for off-campus undergraduates; and John Flynn in charge of personnel.

Honor Points

All Honor Key and Honor Certificate applications must be turned in before noon, Monday, February 20, in order to be considered.

Applications should be addressed to Dave MacKenzie, and should be left in the "M" box in Dabney House.

See the LITTLE T for the list of Honor Points.

Campus Calendar

THURSDAY, FEBRUARY 16
12:00 Throop Club Meeting
12:00 Y Upperclass Lunch Club
7:15 ASCIT Board of Directors Meeting in Lower Fleming
7:45 Dancing Class in Culbertson

FRIDAY, FEBRUARY 17
6:45 Basketball, Frosh vs. Whittier at Whittier
8:15 Basketball, Varsity vs. Whittier at Whittier

SUNDAY, FEBRUARY 19
7:30 Film Classic Series in Culbertson

MONDAY, FEBRUARY 20
7:30 Film Classic Series in Culbertson

TUESDAY, FEBRUARY 21
12:00 Y Frosh Lunch Club
7:15 Alumni Placement Lecture Series in Blacker House

WEDNESDAY, FEBRUARY 22
7:30 Orchestra Rehearsal in Culbertson
9:00 Glee Club in Culbertson

Annual Alumni Dance Slated

On Saturday, February 25, the Caltech Alumni Association presents their fourteenth annual dinner and dance. All Seniors are cordially invited to this gala affair. It will give them an opportunity to meet the people active in the organization of which the seniors will soon be members.

Dinner Optional

To Seniors, the price of the dance is \$1.25 per couple. Dinner is optional and the price is \$3 per plate. Admission at the door is by ticket only. Reservations for dinner should be made at the Alumni Office, Throop Hall as soon as possible.

Hal Lomen Band

The dance will be semi-formal and will be held at the Country Club Hotel, 445 N. Rossmore, Hollywood. The romantic mood will be set by Hal Lomen's famous orchestra. Make up a party, bring guests and meet members of the Alumni.

Darbs to Dally at Valentine Formal

Next Saturday, at 7:30 p.m., Darbs and their dates, dressed informal attire, will gather at Pierre's, a famed restaurant in San Marino, for a traditional yearly event—the St. Valentine's Day party.

After the dinner, subsidized partially by the house, the Darbs will journey back to their house and dance to the strains of an excellent dance band consisting of six men and a girl vocalist.

Rowdies Feature Valentine Dance

The Rowdies play it smooth this weekend, for Friday night is the time for Ricketts' big annual Valentine Dance. Dress will be semi-formal for the affair, which will be held in Dabney Hall. Throop Club is co-sponsoring the event, and a good turnout is expected for what promises to be one of the best dances of the term. Dick Hyde, who did a fine job at the Ricketts-Blacker barn dance, will furnish the music. The refreshment committee assures everyone of something extra special to top the evening off right.

Y Date Forum Well Attended

The second Y Forum on the "Psychology of Dating" Monday night, February 13, was well attended by about 200 enthusiastic Techmen. Dr. Roy Fairchild spoke on "Sexual Problems and Adjustments in Courtship."

Sex Drive

The talk included a discussion of the Kinsey Report, in which Dr. Fairchild quoted statistics on premarital intercourse which showed that college men were considerably more moral than others. He presented reasons for the sex drive, and an interesting discussion on senses of value. He gave as the basic fears in premarital relations the fears of "detection, infection, and conception!"

Next Lecture

A third lecture in this series, entitled "Problems in the Engagement Period," will be given by Dr. Fairchild on Monday, February 27.

Blacker Men To Square Circle

Blackerites will doff their urban togs in preference to the more comfortable clothing of the rural areas at the square dance this Saturday. From 8:00 until 12:00 the troops will cavort with their dates in true western fashion at the Altadena American Legion Hall. Music with the calls built in will be provided by records to insure the professional touch for the geometric steps.

Bach Party Planned

Friday night Art Cuse and Mike Hall are in charge of a "Bachs' Party." The exact details of the entertainment are being kept secret, but it is rumored to be different, to say the least.

Fellowship Group To Discuss Belief

"Said I not unto thee, that if thou wouldest believe, thou shouldst see the glory of God?" These words were spoken by Jesus Christ 2000 years ago.

What did he want us to believe? What will be the results; will they be visible, tangible, or will they be abstract? These and other questions will be considered when the Caltech Christian Fellowship meets next week. Everyone is invited to come out and participate in the discussion, which promises to be an interesting one.

The group meets in Room 251, West Bridge, at 12:30 each Tues-

Merten and Fee Nominated For Highest Student Office

IH Game Room Under Way

By Duane Marshall

Alas, our collective student body hopes have been dashed to the ground. Pool tables, slot machines, roulette wheels and bookies will not be installed in the game room.

To get the game room ready for use, the catacombs must be paved, shelves for storage must be installed in them, and the West trunk room must be cleared of all the characteristic old store-room debris. It is to do this job that the \$6500 has been appropriated.

Central Trunkroom

The catacombs, paved and shelved up to the corner, will be used as the central trunkroom.

Of course those g—mn ping pong tables will be the first things moved into the game room. Hopes are high to put in a couple of pool tables as soon as the financial light can be seen. Furnishing of the game room is not included in the \$6500.

Student Help

Student help will be expected on this project with regards to moving stuff, painting, and so forth. Construction on the floor in the catacombs is expected to get under way in the near future and it is hoped that students will be able to help over the Spring vacation if they are on campus. Two weeks should have a sign up list out. A little help from all will lessen the load tremendously.

Pre Registration

Third term pre-registration for undergraduates will be held Feb. 20 to March 3. Pick up pre-registration cards in 119-A Throop between these dates.

Frosh To Get Word On Options

A series of three Vocational Orientation Lectures for freshmen will be held during the next three weeks, it was announced by Foster Strong, Dean of Freshmen.

All freshmen will be required to attend these lectures, Dean Strong also pointed out. The first of these lectures will be given by Dean Strong, speaking on "General Considerations in Vocational Orientation," at 11:00 a.m. in 201 Bridge, next Monday morning, February 20.

The next two orientation lectures will be given in the following two weeks, at the same place, same time. The topics will be "What It Means to Be a Scientist," and "What It Means to Be an Engineer." Remember, all frosh are required to attend.

Fellowship Open To Grad Students

The Clarence J. Hicks Memorial Fellowship in Industrial Relations, which was founded in 1947 by the trustees of Industrial Relations Counselors, Inc., is being offered this year as every year to some qualified graduate student.

The purpose of the fellowship is to enable a promising graduate student in engineering to undertake the study of industrial relations in accordance with a program approved by the Director of the Industrial Relations Section.

Applications should be made on regular forms obtainable from the Dean of Graduate Studies, but indication should be given of interest in industrial relations and in this fellowship. Applications should be received by March 15, 1950.

Four Lesser Offices Remain Open Till Tomorrow for Extra Candidates

Thirty-one candidates for ASCIT offices were nominated at last Friday's assembly in Culbertson. Nominations for the editor of the Tech and the Big T, business manager of the Tech, and Rally Commissioner were left open until Friday, February 17, since there was only a single nomination for each of these offices.

The nominations were as follows:

- President of the ASCIT**
John Fee
Ulrich Merten
- Vice-President**
Ollie Gardner
Dallas Peck
Peal Pings
- Secretary**
Alan Haber
Stan Groner
- Treasurer**
Alan Marshall
Pete Mason
Jesse Weil
- First Representative**
Bob Davis
Sam Middlebrook
- Athletic Manager**
Norm Gray
Ray Greutert
Dave Hanna
Leon Michaelson
- Publicity Manager**
Carl Hildebrand
Bob Stanaway
Bill Wright
- Second Representative at Large**
Doug Inglis
Pat Fazio
Al Pitton
- Rally Commissioner**
Frank Ludwig
- Cheer Leader**
Chuck Miller
Don Stewart
- Editor of the Tech**
Bob Kurland
- Business Manager of the Tech**
Charlie Steese
- Co-editors of the Big T**
John Boppert
Barney Engholm
- Business Manager of the Big T**
Chuck Walker
Rich Smyth

CES Assembly Views Monorail

After a short delay brought about by a lag in getting FBI clearance, Col. George Roberts will be able to give to the men of Tech all the information about the past, present, and future of Monorail. On Monday, February 20, Col. Roberts will present to the Grand Annual meeting of the CES the solution to the transportation problem of Los Angeles.

Everyone Invited

For this meeting it was decided not to issue reservations, so, anyone wanting to make sure he gets a seat had better get there early. The time and place—11 a.m. Monday, February 20, 201 Bridge. This will be your only chance to hear Col. Roberts on his major work, Monorail. The CES invites everyone to attend, but remember to get there early to get the good seats.

ASCE To Take Two Field Trips

A stellar turnout of 53 men was on hand last Monday to witness the showing of the State Highway film, "Construction of the Ridge Route."

Prexy Kreston announced two forthcoming field trips. One will include an inspection of the All-American Canal in the Imperial Valley and also a visit to the Parker Dam, from Wednesday to Sunday the first week of next term. The other trip will be a jaunt to the Mt. Wilson Road under the direction of the State Highway Department.

C. N. Wilczek, highway engineer, officiated at the meeting, with his comments on this important project. He pointed out that the Ridge Route is the most heavily traveled road of its kind in the world. He also remarked on the dangers involved in the process known as "jack-knifing," dumping dirt with a "cat" on a slope too steep to stand on. Also of interest was the use of gunite in the construction of drainage ditches.

Interview Schedule

FEB. 16 & 17—SYLVANIA ELECTRIC PRODUCTS INC., New York, N. Y. Mr. H. L. Richardson, Director of Industrial Relations, will interview BS and MS degree men in Electrical (Commun.), Mechanical, Chemical Engineering and Physics and Chemistry. Two of three PhD degree men in Chemistry also desired.

APRIL 24, 25 & 26—GENERAL MOTORS CORPORATION, Detroit, Michigan. Mr. Kenneth A. Meade, Interviewer. Details later.

MARCH 7—REYNOLDS METAL CO., Phoenix, Ariz. Mr. J. E. Reynolds, Personnel Manager, interviewer. BS degree men in Mechanical Engineering who have worked at least part of their way through school and who have participated in extra-curricular activities. After a training period the job most likely to be assigned is in Process Development.

MARCH 28—DOW CHEMICAL CO., Midland, Mich., and Pittsburgh, Calif. Mr. S. L. Starks and Mr. Glenn L. Allen, Jr., interviewers. Details later.

FULL TIME OPENINGS FOR JUNE GRADS (May or May Not Interview Later)

RYAN AERONAUTICAL CO., San Diego, Calif. Interested in students graduating in June with Master degrees in Aeronautical Engineering and in Mathematical Physics.

If interested in employment with this Company, please leave your name in the Placement Office prior to February 17.

BETHLEHEM PACIFIC COAST STEEL CORP., San Francisco, Calif. Interested in Civil Engineering graduates to train for eventual placement in fabricated steel construction engineering and contracting, and in Mechanical Engineering

(Continued on Page 4)

THE SQUARES' CIRCLE

By now all know the success of the Glee Club-Orchestra operetta, "Spooks in the Basement," last Friday night. Few know that the success of the production resulted from the tireless work of two capable technicians. To these two men-behind-the-scenes, Electrician Tony Malanoski, and Propman Taylor Joyner, go the special thanks of the production and directing staffs for making it possible for the show to be the success that it was.

-Bud Larsh.

The Evening Concert

KFAC 8-10 p.m. Presented by the Southern California and Southern Counties Gas Companies

THURSDAY, FEBRUARY 16 A London Overture, by Ireland. Liverpool Philharmonic Orchestra conducted by Sir Malcolm Sargent (11). Symphony No. 5 in E Flat Major, by Bruckner. Saxony State Orchestra conducted by Dr. Karl Bohm (65). Suite in F Sharp Minor, by Dohnanyi. Los Angeles Philharmonic Orchestra conducted by Alfred Wallenstein (23).

FRIDAY, FEBRUARY 17 Music of Franz Josef Haydn The Uninhabited Island—Overture. Indianapolis Symphony Orchestra conducted by Fabien Sevitzky (8). Symphony No. 13 in G Major. NBC Symphony Orchestra conducted by Arturo Toscanini (21).

SATURDAY, FEBRUARY 18 Le Stagioni—The Seasons—Oratorio. Soloists, Chorus and Turin Broadcasting Orchestra conducted by Vittorio Gui (86). Symphony No. 13 in G Major. NBC Symphony Orchestra conducted by Arturo Toscanini (21).

SUNDAY, FEBRUARY 20 In Nature's Realm, by Dvorak. Czech Philharmonic Orchestra conducted by Rafael Kubelik (15). Symphony No. 5 in B Flat Major, by Schubert. Boston Symphony Orchestra conducted by Serge Koussevitzky (24).

TUESDAY, FEBRUARY 21 Zampa Overture, by Herold. London Philharmonic Orchestra conducted by Basil Cameron (7). Symphony No. 6 in G Major (Spirituelle), by Hamerik. Boyd Neel String Orchestra conducted by Boyd Neel (32).

WEDNESDAY, FEBRUARY 22 The Merry Wives of Windsor—Overture, by Nicolai. London Philharmonic Orchestra conducted by Sir Thomas Beecham (8). Symphony No. 5 in E Minor (New World), by Dvorak. Czech Philharmonic Orchestra conducted by George Szell (40).

THURSDAY, FEBRUARY 23 Tis an Earth Defiled from Merry Mount, by Hanson. Lay Him Down from The King's Henchman, by Taylor. Defend Her Heaven from Theodora, by Handel. Standin' in the Need of Prayer from The Emperor Jones, by Gruenberg. Pilgrim's Song, by Tchaikovsky. The Wanderer, by Schubert. None But the Lonely Heart, by Tchaikovsky. Myself When Young from In a Persian Garden, by Lehmann. The Glory Road, by Wood-Wolfe. Suite No. 2 (Indian), by MacDowell. Columbia Broadcasting Symphony conducted by Howard Barlow (30).

CAMPUS BARBER SHOP in Coffee Shop Building ALSO AGENT FOR LAUNDRY Picked up Monday, Delivered Friday and CLEANING

ON THE RECORD

by Bill Whitney

Caltech's own production of John Scott Campbell's operetta, "Spooks in the Basement," was well supported by the Tech student body last Friday night, with couples being turned away at the door. Those who did make it inside, however, were treated to one of the finest bits of on-campus entertainment of the year.

Subtle Parody

Much credit should be given to the people, both from the student body, faculty, and from outside who participated in the production; particularly to the composer. Campbell's ability to produce well-proportioned, subtle (and non-subtle) parody, and his flair for writing tunes, were evidenced many times throughout the operetta in both the music and the story. Some of the humor was undoubtedly over the heads of the guests with non-Caltech technical educations, but anyone who is, was, or ever had been a student here could hardly have failed to appreciate it.

Leads

Robert Kidder was particularly good as Fraoz, the janitor, with his excellent voice and his natural ease on the stage. The physics department can be proud of its contribution to the enterprise in the person of George Dacey, who as Dr. Schmalpiffle turned in a very fine performance from the standpoints both of singing and acting. Elinor Anderson, as Dr. Milda Gieditzsch, and Peter Pauling, as Dr. Boopfut, were well chosen for their roles.

Perhaps a word or two would be in order concerning the production as a whole. We have always thought it only fair to judge a performance on its pretensions. There are those, we suppose, who would criticize a grammar school rhythm band because its percussion section did not measure up to the standards of the N.B.C. Symphony, or would curse an organ grinder merely on the grounds that he was not (most probably) Schweitzer, and because his instrument was not the organ in the Germanic Museum at Harvard.

The Caltech Symphony Orchestra has never, realistically enough, pretended to itself that it was the N.B.C. or the Boston Symphony. The Glee Club, we suppose, knows that it is not the Robert Shaw Chorale. Mr. Campbell, obviously and thank-good-

(Continued on Page 4)

Potpourri

By Bob Crichton

Life from the Infirmary would be a better name for the column this week, since a bed in the Health Center has been my window on the world for the last few days.

The campus has changed quite a bit since I was a frosh. Then the Health Center was a room at the far end, you know, the very far end, of Kerckhoff. It was open only a few hours every day, and the facilities were almost nil. The present set-up is certainly as fine as a person could reasonably ask for, and the doctors are very outstanding.

Fix You For Good

The most interesting new fact about the Health Center, in my opinion, is the very successful use of preventive medicine. If a person has a cold, they really try to fix him up so that he won't be apt to catch colds for quite a while. That reminds me, the doctors are baffled by the large number of colds on the campus, apparently more than the average.

Denby-Wilkes, who is seen at the Infirmary a lot, is one of those few people who really like to drop in and see their friends when they are sick. If any of his friends, and that includes his Math pupils, past or present, get sick, within a day or so Denby is in to say hello and console them.

I cannot write a story of the Health Center without tossing a few bouquets at the nurses who provide the T.L.C. (tender, loving care) that seems to help people get better faster.

Job Application Photos

from your negatives in our files

LLOYD Photographer 766 E. Colorado St. Sy. 2-7205

CAMPUS BREWINS Hedrick Passes Chocolates

Traumatic Excitement Greeted Surprise Move by Popular Darb Boy

We're not exactly sure of the significance of the above headline, but diligent scrutiny of the SCRIPTURE seems to indicate that this is really the only type of news that is of interest to a newspaper reader. Seems as though Bruce had some candy sitting around his room, and figuring it would soon rot, took it to chow Monday night to get rid of it. We had some. It wasn't very good. Eastern papers please copy.

It is with a certain amount of pleasure that we report that the seldom peccable, always couth Waheed has suffered certain discomfiture of late. Physical assault upon his tender sensibilities was made by one of his dear friends, who brought a frog to dinner one evening. Now, to a Pakistanian, a frog is viewed with a horror comparable to a Senior Physicist's when he sights Bill Smyth (the), and Heed was no exception. Returning, badly shaken, to his cell, he was greeted by LeTourneau, who told him that a gal had called, and left her phone number. Unable to recall which of his many acquaintances happened to have this particular permutation as call letters, the great luvver solves the problem by dialing same. Fascinated by the unbelievable suavity of his own voice, Waheed goes ahead and makes a date for the coming Lemming formal (the one that has a sign-up list on the board, with instructions, to all Lemmings that are to participate in the morrow's interhouse track meet, sternly proclaiming, "You will not go to this dance"). It slowly dawns on the Heed, subsequently, that he has never heard of this young lady, and it is with a marked lack of his usual savoir faire that he views the coming event.

Handwriting on the wall dept.: Billy "have you tried Blacker's cocoa?" Drake was observed in the library, avidly reading the latest issue of The Infantry Journal. Hmhmhm.

Speaking of Crichton (oh, weren't you?), we are forced to put him still further into the public eye (just call him "mote"), pointing him out as one of those who has the costly habit of lending his car. Dick Rodbury borrowed Bob's nice new auto to transport his Schmittsie to Oklahoma (!, so relax, Mann), and on the way home became so absorbed in his conversation that he neglected to stop for the back of another vehicle, neatly impressing the young lady with his driving ability, the owner of the other car with his stupidity, and Crichton with the folly of having friends.

The mitey Tech sailing team journeyed north to Cal last week end, where the majority of it covered itself with (rhetorically) glory. The minority, namely seasoned sailor Don Stewart and his able crew, Wyman, covered themselves with—you guessed it—sale water. They were seen at one moment skimming along the surface of the briny, when suddenly—oh well, it happens to the best of us.

Victor van Lint (he's lovely, he's engaged—if only he washed) has discovered a wonderful new type of date. Rather than foolishly going out and wasting his substance, he and fiancée now go only as far as the parking lot, and there work on his car. We can foresee a wedding gift by Vic to his bride consisting of a mirror and a washboard—she can either take in washing or sit and watch herself starve to death.

As J. S. Campbell's latest work

The California Tech

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Managing Editor: Bob Kurland News Editor: Bruce Stowe Sports Editor: Leon Michaelson Feature Editor: Bill Wright News Staff: Tom Benson, Dan LeMay, Tony Malanoski, Duane Marshall, Ulrich Merter, Lawrence Starr, Budd LeTourneau, Bob Stanaway, Ed Pyatt, Stan Groner, Bob Smith, Al Eschner, Bob Madden, Bob Connelly, Stanley Zwick, Ed Worrrell, Scott Lynn Special Writers: Dave Banks, Bob Crichton, Carl Fox, Ollie Gardner, Jon Goerke, Lawrence Starr, Bill Whitney Sports Staff: Woody Bratnaber, Bob Davis, John Elliott, Pete Mason, Phil Orville, Don Tautz, Perry Vartanian, Jesse Well, Ed Welch, Alan Haber Copy Staff: Charlie Steese, Chief; Charles Benjamin, Fred Drury, Barney Engholm, Bob Munro Photographers: Bob Parnes, Chief George Stranahan

BUSINESS STAFF Manager: Bill Bradlev Circulation Manager: Chuck Walker Business Staff: Charlie Steese

burst like a bombshell on the panicked operatic world, D. Royce was seen to make good use of the intermissions, chatting with D. Elliot's date, while Dave earnestly pursued his duties in the orchestra. We say "good use" because Royce was observed squiring this same young lady to the basketball game the following night. Prompt is the word.

Ollie Garner and Alex Dessler have discovered that an Arthur Murray dance class is being held on some undisclosed week night at the Green Hotel, and have been down there browsing around. This interests us somewhat, as we think Dessler might have learned to stay away from there after having been stood up so many times by a certain lady orchestra leader.

Athletic note: D. B. MacKenzie always enters his room by the transom when his date is waiting for him (downstairs, kind people, downstairs!)

One-time ultra-violet monopolist and renowned California-

(Continued on Page 4)

THE DU PONT DIGEST

FOR STUDENTS OF SCIENCE AND ENGINEERING

BAD MEDICINE for flies

Research that produced an insecticide safe to spray on cows may save millions for American agriculture

Armed with only a fly-swatter, the farmer would get nowhere in ridding his dairy barn of disease-carrying insect pests. But he has to be careful in using insecticides around cows. A toxic spray may be absorbed through the animal's skin and show up in meat, milk and butter.

Next fly-season farmers and ranchers will be able to buy a fly-killer that is both powerful and safe. In Du Pont Marlate* 50% technical methoxychlor insecticide they will get this combination of properties that no single insecticide has ever offered before.

Methoxychlor is a recent Du Pont development. Du Pont scientists worked for eight years in the laboratory and in the field to develop its applications in agriculture.

A safer insecticide

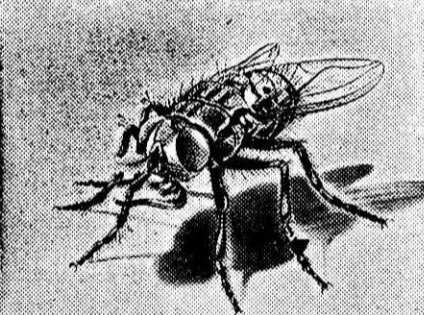
"Marlate" 50 is a residual insecticide and remains an effective killer of flies, mosquitoes, fleas and lice for several weeks after application. When used as directed, this insecticide is exceptionally safe to human beings, livestock, pets and crops. This has led federal experts to recommend it not only for spraying in barns, milk houses and milk plants, but also on the animals themselves.

Besides its use on livestock, methoxychlor kills many insects that attack vegetables, fruits and forage crops. It is offered to flower growers as an ingredient in Du Pont Floral Dust. It is used in moth-proofing compounds so that dry cleaners can easily moth-proof woolens while cleaning them. Many stores carry aerosol bombs containing methoxychlor for household use. It can be used with safety in flour mills, freezing and canning plants, grain stor-



THE BITES of flies, lice, and ticks can cut down milk production as much as 20 per cent. One spraying of "Marlate" 50 will control these pests for several weeks.

"MARLATE" 50 kills flies and many other insects attacking livestock, vegetables, fruits and forage crops.



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BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

Great Dramatic Entertainment—Tune in "Cavalcade of America" Tuesday Nights, NBC Coast to Coast

Illustration of a man and a woman in formal attire. The man is holding a glass and looking at the woman. Below them is a bottle of Angostura Aromatic Bitters. Text: "He just seems to lose his head when I forget Angostura in his Manhattans." ANGOSTURA. AROMATIC BITTERS. MAKES BETTER DRINKS

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YOUR COLLEGE RECORD SHOP. Headquarters for the best selections in RECORDS - RADIOS TELEVISION. L. C. TAYLOR CO. 145 N. Lake Sy. 2-5107. Open Evenings

Caltech Casabafighters Drop to League Leaders

By Jesse Weil

Victory would have been a fitting climax to the superb game played by the Engineers last Saturday night, but hard luck reared its ugly head and helped Redlands to a 37-34 win.

The Bulldogs got off to a 7-1 lead in the first seven minutes. The Beavers then got hot, narrowing the margin. For the rest of the first half there was never more than 5 points difference or less than 2, the half ending with Redlands ahead 16-14.

Dogs Go Ahead

In the second half spectators saw the pattern repeated with Redlands going ahead by 9 points after five minutes. Again we spurred to within a few points, but could not take the lead.

The above outline is far from the whole story, however. A defense which excelled anything seen so far this year, had the Bulldogs scared almost to the point of panic.

Defense Sharp

Patapoff and Montgomery led the team in its exceptional display of zone defense. Redlands vaulted forward line of Krutz-

(Continued on Page 4)

SPEAKIN' SPORTS

with Mike

Did you see the fire ball basketball team of ours last Saturday? With a good coat of tan, it would have been hard to distinguish them from the Globe Trotters. This time we can't score it up as a Redlands off night because the Bulldogs were just as hot as any night.

Defense On

A special kiss on the forehead to Montgomery who was the outstanding fireball of the superb defensive show that Tech put on. Without tearing down the wonderful performance by all hands, we can say that you, dear spectators, were instrumental in the near smear of the Redmen. Let's remember Whittier this Saturday and give the local squad the same support we did last week.

Cinders

If we notice a smile on Coach LaBrucherie's face nowadays, we can probably accredit it to the fine condition of Paddock oval. The ground is now at the happy medium point: solid enough to eliminate wading and soft enough to ease up on shin splints. Traksters open their season with a practice meet against PCC and Muir on our track this afternoon. Let's all get out and see how the boys are coming along.

(Continued on Page 4)

Beaver Sports

Bevo Bowlers Drop Toughie

—by Pete Mason

Organized intercollegiate bowling in the Southland began with a bang Sunday night at the Westwood Bowl, with good scores and close matches all over the house. The evening's average game was 170, which makes this a tough league in anybody's book.

Caltech lost its first two games to a strong Los Angeles City College crew, by 101 and 98 pins, until it found its stride and copped the final thriller by a single pin. U.C.L.A., U.S.C., and Pasadena City College were also two game winners; and their opponents, Santa Monica C.C.,

(Continued on Page 4)

Ricketts Wins Goldsworthy IH Bowling Trophy

In a storybook finish Monday at the Courts, Ricketts retained possession of the Goldsworthy interhouse bowling trophy by the narrow margin of one game, a game that was decided by a single pin.

Throop Club put on a strong last-minute drive, winning all eight of their games from Fleming and Ricketts. Meanwhile, Ricketts team One was having a tough time subduing Dabney team Two, winning the crucial final game 506 to 505 only when Dabney's anchor man left a split

(Continued on Page 4)

Track Preview

This Saturday at 2:00 p.m. the annual Interhouse track meet will start off a season which winds up with the NCAA and AAU meet in June. Some good times and distances, as well as many interhouse trophy points will be floated around. More than one record, including shot and discus, will probably fall.

To continue with the review of varsity track, covering this week the sprints.

100 Yard Dash—While things are still pretty fluid in both the dashes, Coach La Brucherie expects that Dwight Schroeder, Gil Kitching, Randy Moore, and Bob Davis will be the men doing the running. Present Caltech record is (sob) 9.7 sec., a tough row in any league. Still 10.0 or 10.1 can be expected from somebody on the team this year. Conference record holder Reinke of Pomona who has a 9.7 to his credit, and Mason of Redlands who has done at least 9.9 are the best in the league at this moment.

220 Yard Dash—In addition to the men listed in the hundred Bill Irwin and Walt Edwards are possibilities for this event. Caltech record is 21.3, hung up way back in 1926. Against us in this event we find Reinke of Pomona and Mason of Redlands again, as well as "Bullet Bill" Parker of Oxy. Reinke has done 21.4 and Parker 21.6 or better. Life can be rough.

Beavers Clash With Poets; Pomona Next

Techsters After Second Win Over Poets; Theme at Pomona--Revenge

This Saturday, the Tech hoopmen journey far into enemy territory to play Whittier, who, inspired by their recent victory over Oxy, will certainly be playing for keeps. On the other hand, the Tech quintet will be playing for all they are worth to relinquish their temporary hold on the league's cellar position.

The prospects of our repeating the defeat we handed the Poets in our previous encounter look good. We can attribute at least

Frosh Sports Roundup

by Perry Vartanian

The Frosh cagers bagged their first victory of the season a week ago last Tuesday as they downed a Cal Poly five to the sweet, sweet tune of 45-35. On the other side of the ledger the squad lost to Redlands 51-40 Saturday.

Against Cal Poly, the little Beavers pulled out a 23-17 half-time deficit to outscore their opponents 28-12 in the second canto. Big spark in this was Dave Stevens, who heaved in 11 points in the second half.

Gee High

High scorer in the game, however, was John Gee, who sank a total of 13 counters. Altogether nine men broke the scoring columns to make the win a team victory. Ed Eylar got 8, George Corporales 4, Gene Muehlberger 3, Bruce Scott and Dick Ireland 2, and Gerry Patchen and Bill Peterson singletons.

Darbs Defeat Hot Rowdies For Disk

Last week, the Discobulus Trophy changed hands as the Dabney basketball team downed a scrappy, hard playing Ricketts five by the score of 26-23. The combined efforts of Ricketts' high pointers Boicourt, Karasawa, and Moss were not good enough to keep Dabney's Tyson and Brewer from winning the game.

The lead bounced back and forth as the game progressed, but in the final reckoning, Dabney pulled through with three more points.

part of our last victory over them to the tight defensive ball the team played. Those of you who saw the game last Saturday night against Redlands will certainly agree that the defensive game Tech played was far superior to any the team played before. The Redlanders were literally swarmed over whenever they got in scoring position. With this defense and if Butler gets hot again, there will be no stopping the Beavers. However, Whittier, having beaten Oxy who, last night, downed second place Pomona, will be doing its

(Continued on Page 4)

Skiers Push USC In 1st Union Race

The Caltech ski team narrowly missed upsetting the University of Southern California Ski Team in a Southern California Intercollegiate Ski Union race last Saturday.

The race, a two run slalom, was held at Mount Waterman. The course was tight, rough, and tricky and the snow was very fast and icy. Our team showed great improvement and except for a few bad breaks could easily have won. The team demonstrated fine spirit and accepted our bad luck gracefully. Jim Blom was the outstanding man for Caltech.

Here are the results:

	Avg. Time
Leo Miller, USC	52.25 sec.
Jim Blom, CIT	55.77 sec.
Merle Goodwin, USC	59.67 sec.
Monroe Clark, USC	60.60 sec.
Dick Jones, CIT	62.15 sec.
Judd Roberts, USC	64.87 sec.
Bob Stanaway, CIT	68.35 sec.
Oily Gardner, CIT	68.87 sec.
Pete Price, CIT	70.25 sec.
Gary Burchaw, USC	78.90 sec.
George Stranahan, CIT	81.02 sec.
Bjorn Thorstenon, CIT	90.1 sec.
Team totals, first five men:	
USC	632.6 seconds
CIT	650.8 seconds

At A Glance

Basketball—Redlands, 37; Caltech, 34. Redlands Frosh, 51; Caltech Frosh, 40. Caltech Frosh, 49; Cal Poly, 35. Caltech, 53; LaVerne 50.
Discobulus Basketball—Dabney, 26; Ricketts, 23.
Skating—USC, 632.6 sec.; Caltech, 650.8 sec.
Bowling—LACC, 2646; Caltech, 2448.

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ON THE RECORD

(Continued from Page 2)
ness, was not trying to rival Wagner and Verdi in the writing of grand opera. It seems to us, that all that he and these other groups made pretensions of doing was to provide entertainment and fun for their audience, and they were, we believe, eminently successful.

We hope Mr. Campbell will be encouraged to try his clever competence at this sort of thing again, and that others who might have similar aspirations will also give it a try.

CONCERT SCHEDULES

Feb. 16-17, 8:30
L. A. Philharmonic Orchestra
Alfred Wallenstein, Conductor
Joseph Schuster, 'cello soloist
Philharmonic Auditorium
Feb. 17, 8:30
Jussi Bjoerling, tenor
Philharmonic Auditorium
Feb. 17-March 11
"Così fan Tutte" Mozart
Jan Popper, producer
New Century Theatre
Feb. 18, 8:15
"Barber of Seville" Rossini
Los Angeles Conservatory
Whitire Ebell Theatre
Feb. 19, 2:30
Marian Anderson, contralto
Philharmonic Auditorium

OIL INDUSTRY

(Continued from Page 1)
Producing Department of the Standard Oil Co. of California, Director of the Huntington Beach Co., and also a Director of the Long Beach Oil Development Co. Mr. Thacher also serves as Chairman of the Oil and Gas Commissioners, State of California, is a member of the American Petroleum Institute, the American Institute of Mining and Metallurgical Engineers, and serves as a member of the Advisory Council, Department of Geology, Princeton University.

Princeton Graduate
Mr. Thacher received his A.B. degree in geology from Princeton in 1930 and his M.S. from M.I.T. in 1942. When he was attending M.I.T., he held the Alfred P. Sloan Fellowship for the year 1941-1942. He was also chairman of the War Production Board and the Executive Secretary of the Petroleum Administration of the Government in 1943 and 1944.

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BEVO BOWLERS

(Continued from Page 3)
Woodbury, and L.A. State, respectively, are tied with Tech as single game victors. The Uclans took scoring honors with a big 933 team game and 2648 series, with L.A.C.C. close behind at 926 and 2646. Tech's 2448 total, one of its better competitive scores, was only seventh best.

Next Sunday evening the league will meet at Trojan Bowl in L.A., with Tech tackling Santa Monica C.C.

Tech results:

Andy Check	137-167-127	431
Ralph Stone	132-166-195	493
Duane Neverman	177-179-202	558
Sid Stone	145-147-177	469
Woody Bratnober	159-169-169	497
CALTECH	750-823-870	2448
L.A.C.C.	851-926-869	2646

CALTECH CASABFIGHTERS

(Continued from Page 3)
berg, Kreutzberg, and Rosenberger was held to 22 points; total that is, not apiece. Butler, as high point man of the evening, got better than half as many counters as did these three.

Without the services of cool-as-a-cucumber Fulmer, Redlands would have gone to pieces and tasted bitter defeat. As it was, they kept enough of their wits about them to salvage victory from the near fiasco.

Statistics:

(34) Caltech	Pos.	Redlands (37)
Gray	F.	Rosenberger 9
12 Butler	F.	R. Kreutzberg 6
5 Cox	C.	W. Kreutzberg 7
6 Patapoff	G.	Falmer 9
6 Montgomery	G.	Stanley 3
Half-time score: Redlands 16, Caltech 14.		
Scoring subs—Caltech: Libbey 1, Serrano 1. Redlands: Wiese 1, Griffins 2.		

Gad!
Evolution of a glamour girl: from pigtails to cocktails.

SPEAKIN' SPORTS

(Continued from Page 3)
Bye
The keen weather came too late, however, to make Loyola-Tech tennis match possible. As far as we know now, this gut contest has been postponed indefinitely and local netmen are eying the East LA match to be played there on February 28.

RICKETTS WINS TROPHY

(Continued from Page 3)
in the tenth frame.
Final Standings:

House	Won	Lost	Pct.	Ave.
Ricketts	77	35	.688	149
Throop	76	36	.679	146
Dabney	52	60	.464	127
Fleming	28	60	.318	131
Blacker	23	65	.261	129

Hank Pollet of Dabney blasted out eight strikes in his first nine frames, for a sensational 238 game, highest mark of the 1949-50 interhouse league.

A brief recap of other high marks this year finds Throop's 1673 three-man team series best in that department, while Dabney's 630 team game was tops. High average of 181, and high individual series of 619, both went to Woody Bratnober of Throop.

CAMPUS BREWINS

(Continued from Page 2)
phobe Weldon Bergreen has been receiving something in the way of competition lately, what with the recent smogless days, and the appearance of a new Solar Spa in Joe Cain's room. Exploited customers are praying for a cut-throat price war.

The biggest news in Upper Doc's this last week was the annual festivity surrounding the anniversary of the birth of one Myron Arcand, famed for a lack of attendance at his own barn dances. The Social Czar was feted by his Sally at the Beta House at Oxy, where the girls gave him all kinds of CUTE presents (except one), including such clever things as a kite, a set of jacks, a spinning top (which Humphrey had to fix so it would spin properly); now Upper Doc's is reviling in these new, dissolute pleasures!

Average individual game this year was 138, the same as in both previous years.

BEAVERS CLASH

(Continued from Page 3)
best to subdue us in order to make a better bid for the second spot in the league.

Hens Next
The following Wednesday, we play our next to last game of the season against the Sagehens. The Techsters will be out to avenge the defeat handed us in our last tilt with Pomona. Beavers, unused to dribbling in and out among the spectators' feet will have the not so negligible advantage of playing on their home courts. Looking at our previous record, we see that the team has done much better on the PCC courts than it has done elsewhere.

The lineups for the games will probably be as follows:

Caltech	Whittier
Patapoff	Davis
Grey	Reeder
Butler	Hill
Cox	Konzelman
Montgomery	Krouse
Caltech	Pomona
Patapoff	Welsh
Grey	McCull
Butler	Woods
Cox	Essig
Montgomery	Cooper

INTERVIEW SCHEDULE

(Continued from Page 1)
graduates to train for such placement in steel plant operations. Part of the training program is in the East, then return to Pacific Coast for completion of training. Permanent assignments will be on Pacific Coast.
Please contact the Placement Office for further details and to obtain application form.

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS, Moffett Field, Calif., announces an examination for research-minded graduating students with training in Aeronautical, Chemical, Electrical, Mechanical and Civil Engineering, Physics and Chemistry. Positions are to be filled in Virginia, California and Ohio. Openings are in Grade GS-5 (formerly known as P-1) rating. Final filing date: February 28, 1950.

THE U.S. NAVAL CONSTRUCTION BATTALION CENTER, U.S. NAVAL STATION, Port Hueneme, Calif., is in the process of establishing a new organizational unit entitled U. S. Naval Engineering Research and Evaluation Laboratory. Most of the positions are concerned primarily with research along various engineering lines including electronics, chemistry, physics, mechanical engineering, and geology. It is their desire to receive applications from well qualified persons in these fields. The positions range from the trainee grades of GS-5 (\$3351 per annum) through the higher echelons of GS-14 (\$8800 per annum).

All interviews take place in the Placement Office unless otherwise designated in announcement. Contact the Placement secretary as soon as possible for definite appointment and application blanks—120 Throop Hall.

All application forms filled out for interview appointments should be completed and in the hands of the placement secretary two days before the date of each particular interview.

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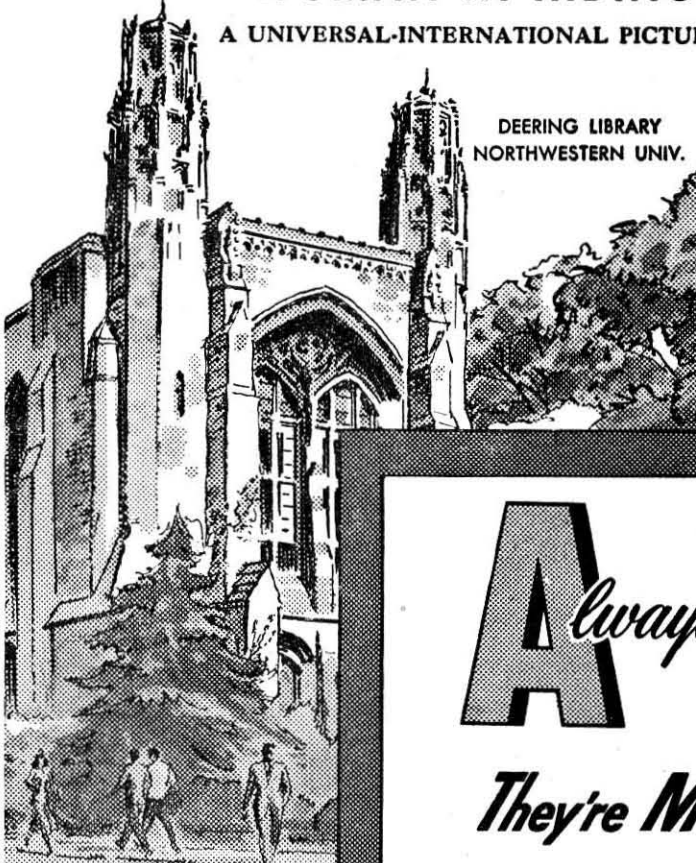
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