

New Service Organization Elects; Herzog, Gardner New Officers

"Unlimited Manpower That Can Be Depended Upon To Do a Good Job" Promise of New Group

The Instituters, Tech's new service organization got off to a flying start last Monday afternoon at their first organizational meeting. Wayne Herzog, Dabney, was elected Chairman, Ollie Gardner, Ricketts, Vice-chairman.

Officers

The temporary executive committee was rounded out by the following men: Tony Malonoski, Fleming; Ralph Lovberg, Blacker; Bob Crichton, Ricketts; and Bob Cobb, Throop. Over forty men were present at the meeting while approximately as many more have indicated their desire to become active members.

Hep Group

The type of spirit shown at the meeting assures the school and student body a strong, well knit organization able to provide an unlimited amount of manpower that can be depended on to do a good job on whatever projects come before the group. If you want to become an active member of the Instituters, contact any member of the executive board.

The constitution as prepared by a committee headed by Bob Crichton, was adopted in the following form:

CONSTITUTION FOR THE INSTITUTERS

A Caltech Service Organization

Purpose: This organization is being formed for the purpose of assisting the California Institute of Technology and the ASCIT. It aims at providing a pool of students willing to respond to a reasonable number of requests for service, but it is not intended to be honorary, fraternal or social.

Membership:

The organization is non-profit, non-sectarian and non-political.

There are no limitations as to the number of members who may belong.

To join, an individual must declare his willingness to serve the Institute and the Associated Students.

To maintain membership, each term an individual must reaffirm his desire to belong to the organization, and must state that he will reply affirmatively to a reasonable number of requests for service.

Organization:

There will be a chairman, who will act as presiding and coordinating officer, and a vice-chairman, to act in his absence, elected by a majority vote of the members for the term of one year.

There will be an executive committee consisting of one member from each of the six groups, (each House, Throop Club and Off-Campus) the chairman and the vice-chairman. The executive committee will function in the manner of any executive committee.

The executive representatives shall be

elected by each group for the period of one term. Each group will act under the leadership of its representative.

Scope and Procedure:

This organization is not intended to conflict with any other existing on campus, and therefore it will not assume any of their duties. It will assist the Institute or Associated Students as a whole, and not for any small groups.

Any service rendered will be undertaken in the name of the organization, and it shall assume the sole responsibility.

The group emblem shall be worn during (and only during) the rendering of a service.

Normally all requests for service shall be made to the chairman or to the vice-chairman.

No remuneration will be accepted for any services rendered; however, in the name of the organization, payment for any legitimate expenses (such as transportation) will be requested.

Dean Thomas to Attend Swedish Dam Congress

Dean and Mrs. Franklin Thomas sailed last Saturday on the Queen Mary, bound for Stockholm, Sweden.

Dean Thomas will attend the International Congress on Large Dams in Stockholm after which he and Mrs. Thomas will visit Denmark, Holland, Belgium, France, England, Wales and Ireland. They will return to this country on the Queen Mary in August.

Dean Thomas was active in establishment of the Metropolitan Water District of Southern California and is a member of its Board of Directors. He is also a member of the Colorado River Board of California.

STUDENTS DEVELOP "FOURTH HOUR PLAN"

In the columns below Tom Stix presents a program recently evolved by a group of students, which they feel would spur student participation in non-academic activities at the Institute.

"The Fourth Hour Plan" is an admitted attempt to force such participation on present non-participants by making it compulsory. Men and organizations already active would be effected only in that a more convenient time for such extra activities would be provided.

Many drawbacks to the plan can be presented. It is the feeling of the men sponsoring it, however, that these can be overcome. The major objection which will be no doubt raised concerns the element of compulsion.

Active Planning is a Healthy Sign

Regardless of whether the plan as outlined here, is accepted or not, I cannot help but feel that it is a step in the right direction. It shows that a large group of students are actively thinking about the problems of the Institute and its students, striving for continual improvement. If nothing else, I hope the presentation of the plan through the Tech will encourage discussion along these lines and that this consideration will result in a solution to one of the most pressing problems of the school.

In pursuing its already achieved goal of national academic leadership, it is only natural that Caltech should also assume vigorous leadership in the equally vital field of personal development.

The Caltech Attitude Should Mirror the Caltech Goal

This is the substance of my valedictory wish to the Institute: A continued and ever-expanding preeminence based on open-mindedness and a tradition of willingness to adjust to changing needs. In short, the application of the scientific method, and, more important, the scientific attitude to every phase of Institute development. The Caltech goal cannot be more adequately stated than it has been in the lives of the three men most responsible for its existence: Millikan, Hale and Noyes.—L. F. H.

What follows below is a plan for Institute-sponsored extracurricular activities. Three eleven o'clock hours a week are to be set aside for this program. These activities are to be as numerous and varied as possible, including everything from sculpture to fly-casting. Participation will be required of all undergraduate students, but hours and activities will remain flexible so as to allow for the maximum amount of student initiative and freedom.

Background: Caltech has a reputation for being a factory technological students — a workshop where bright shiny scientists and engineers are turned out like so many Chevrolets. The fact that Caltech has teams in every inter-collegiate sport, that organized social functions are held every Friday and Saturday night, that we have on campus a paper, a yearbook, a drama club, a glee club. These activities are a healthy stabilizing influence. If they can be expanded to include all of the student body, and especially the off-campus men, it

an easy one.

Evidently there's a lot of smoke. Where's the fire? The fire is just this. The Institute takes no initiative in sponsoring activities not connected with school work. There is an element in the Institute hierarchy that would be immensely pleased if we abolished such things as the football team, the Pajamarino, if we turned the student houses completely into dormitories. Fortunately, student demand has been strong enough to keep these alive. On student initiative alone do we have a paper, a yearbook, a drama club, a glee club. These activities are a healthy stabilizing influence. If they can be expanded to include all of the student body, and especially the off-campus men, it

would be for the great betterment of the school.

How can we expand? By seeking active help and approval from the Institute to replace the passive acceptance of the past. The Institute has mandatory humanities, mandatory physical training, and before the war, mandatory assemblies. It takes the responsibility for producing a healthy scientist or engineer with an element of cultural background. Let it add to this the responsibility of producing a happy engineer, with a variety of interests. A broad-minded member of the community.

The Plan: The achievement of these goals is simple. Let there remain free from academic courses three hours a week. Eleven to twelve is obviously the best hour. These shall be filled with what we shall call Fourth Hour Activities. (Being the fourth school hour of the day.) No units will be given, but attendance must be enforced as it is for P. E. Students will register for these Fourth Hour Activities at the beginning of each term.

Who is guilty of spreading the half-truths and exaggerations among the populace? The students are. In our conversations abroad, we don't emphasize that liberal arts courses comprise a quarter of our program, but we say we worked until two a.m. on a lab report. And that was

Honor Violation Suspends Two

A trial was held recently by the Board of Control in which two men were involved.

In the process of extended questioning by the Board, both men confessed to having violated the Honor System.

One of the two was sentenced to immediate suspension from the Institute for a period of one year, and the second was sentenced to immediate and permanent suspension.

But hold! These activities are not just another class. They are a change of pace from the rest of the day. A new type of work. Interesting. Relaxing. You look forward to them. For the field of possibilities is unlimited. We can offer in addition to the

(Continued on Page 2)

Awards Presented at Assembly Today

Fleming Retains Possession of Varsity Trophy; Inter-House Trophy Still in Doubt

Hinricks Award to Honor Outstanding Graduating Senior

To be awarded to the senior who, in the judgment of the undergraduate deans, has made the greatest contribution to the welfare of the student body, the Frederick W. Hinrichs award has been added to the list of honors given at commencement.

The award, established in memory of Frederick W. Hinrichs who served for more than twenty years as Dean and Professor at the Institute, will be awarded for the first time this year. It will be presented at commencement without prior notification, and will consist of \$100 in cash, a certificate, and a suitable memento.

At the discretion of the deans, more than one award or none may be made in any year. The award is given to the senior "who, throughout his undergraduate years at the Institute has made the greatest contribution to the welfare of the student body and whose qualities of character, leadership, and responsibility have been outstanding."

Management of the cafeteria

will be under the general supervision of Glenn J. Green who recently joined the Institute staff as manager of Student Houses, the Athenaeum and the Coffee Shop.

Beverators Receive Awards; Schroeder Takes Decathlon

The annual awards assembly was held this morning as members from ten Beaver athletic teams were awarded letters and numerals, and four trophies were presented. Since the interhouse race will not be decided until this afternoon, it was not awarded today. Fleming, however, received the Varsity Rating plaque. The house of athletes has retained both these trophies since the awards were first made. Col. Goldsworthy made the presentation.

Alumni Baseball

The Alumni Baseball Trophy was presented to Chuck Norman and Milt Strauss and these players represent the most outstanding on the 1948 Beaver baseball team as voted on by squad members.

Debate Team

Dr. John Schutz presented debating awards to Irving Sulmeyer, who played second in the Herald-American oratory contest two weeks ago, John Heath, Stan Boicourt, Tom Vrebalovich, Bernard Rudin, Leo Brieman, Bob Smith, George Brown, and Ulrich Merton. First year awards were gavels, while certificates were given to men who had previously earned a gavel.

Horseholders

Baseball lettermen were Chuck Norman, Stu Butler, Ralph Morrison, Tom Petrules, Dick Patterson, Milt Strauss, Don Baker, Glenn Chaffee, J. Smith, Bob Winchester, Art Spaulding, Bruce Hedrick, Jack White, Bob Bradford, and Tom Moore, manager. Coach Ed Preisler made the presentations. Frosh baseball men who earned numerals were Chuck Bates, Duane Neverman, Walt Pfeiffer, Al Sereno, Louis Stallkamp, Fred Wood, Dean Daily, John Moss, Ed Stern, Walt Biggers, Winston Royce, Steve Pardee, and Earl Hefner, manager.

Track

Athletic director Hal Musselman presented Dwight Schroeder with first place decathlon

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Tech Radio Club Elects Officers; Plans Transmitter

The Caltech Radio Club held its final meeting of the year Tuesday noon and elected officers. Walt Mudgett was elected president, Ed Dolan was elected treasurer, and Roy Gould, secretary.

Further discussion was centered around the feasibility of building a five kilowatt rig for the club.

It was decided to start immediately on the construction of the transmitter. It was also decided to place a 200 foot rhombic in the center of the quadrangle in front of Throop Institute permission for this project has already been reached. Any further action was postponed until next year.

The meeting ended with the singing of the Hams' national theme "Ten KW and a Bottle of Scotch."

Tests, Guidance Offered by V.A.

Are you disconcerted? Do you feel misplaced? Do you feel that perhaps Tech isn't the place for you? Then take the Veterans Administration Guidance Tests and find out your capabilities and aptitudes.

Free To Vets

These tests are given free of charge by the veterans administration in an effort to help the veteran decide what he is best fitted for. Non veterans may take the tests and receive counseling at a cost of \$25.

Tests

There is an interview followed by four types of tests which take from three to six hours. First the interest tests; then the aptitude tests indicating the various fields in which you have ability (these may prove surprising); the performance tests which will give the counselor an idea of how much you know and can do; and finally the personality tests which you may choose to take.

Helpful

Many Tech students have already availed themselves of this counseling and found it very helpful and interesting. There is no red tape; an appointment will be made promptly.

Call TUcker 6123 or go in person to Room 607, 815 South Hill Street.

Placement Schedule

The following additional permanent positions are available for June graduates. See Placement Office.

ChE or Ch to work in Natural Gas Laboratory running Bureau of Mines test on gas samples.

City Engineers Huntington Beach—CE. Subject to certain supervision in design and layout and estimating of sewer, paving, and other street work. Preparing grants, estimating quantities.

City of Pomona—CE. City Engineer to work in streets, water dept. Very good training and broad experience. Lots of work and education.

Air Research Co., Los Angeles—ME. Major emphasis on thermodynamics and heat transfer. (Superchargers, turbines, air equip., etc.) Mainly theoretical and analytical work.

So. Calif. Gas Co., Taft, Calif.—ME, EE, CE, Mining and Petroleum Junior Engineers. Men interested in learning gas utility business, laying of pipe lines, measurement of gas, etc. Jobs open in Glendale, Compton, Tafle, Los Angeles.

Don Baxter, Inc., Glendale, Calif.—ME. Men who can conceive, design, and develop new ideas in this Company's equipment and also to repair it. Good at bldg. special apparatus. (Company manufactures apparatus and gadgets for administering intravenous injections—rubber, plastic.)

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FOURTH HOUR PLAN

(Continued from Page 1)

paper, the yearbook, the glee-club, the orchestra, band, debating, radio and chemistry clubs, the drama club—all of which we have now—in addition to these we can offer an art-room—watercolors, oils, ink sketching, sculpture and modeling, casting in plaster of parts and bronze; a woodwork shop, a machine shop, a welding shop; sports such as archery, fly-casting; special courses such as music appreciation, industrial design; a model airplane club, a photography club which might even produce movies. Above all the fields must remain flexible. Let the criterion be only that the work is productive, creative, or enjoyable. Let activities be approved by a joint student-faculty board to meet the demand.

If fifty men think the Institute needs a lawn in front of Throop, or an amphitheater behind astrophysics, let them sign on to put their time into building these. The hours do not have to be kept rigidly for the individual. If he would rather work three hours in the shop on a free afternoon, let him do it. Providing only that three hours a week are put in.

As things are now, there will be many who will devote far more than the minimum time to this work. But a minimum must be set and hours put aside, to show that the Institute policy is to encourage these things, that the school believes they are of significant value in an education, and merit a certain portion of time in everyone's life. There are many who would enter into such activities as we now have except that a) they have not yet learned to organize their time b) they feel schoolwork is more important c) they live off-campus and can't come back in the evening when most activities meet. The Fourth Hour Plan solves these problems virtually by definition.

In introducing this program the unit load will not have to be lessened. Schedules will need some rearrangement, but we now have two eleven o'clock periods open for assemblies. One of these could be taken for Fourth Hour activities with an automatic excuse on any day an

assembly is scheduled.

As to cutting into study time—there is no man on campus that couldn't remove one hour from the middle of his day to do something he enjoyed, and still get his assignment done. These activities are just the things everyone "wants to do, but can't find the time." The Fourth Hour Plan offers the time, the place, the facilities.

The actual cost of the plan would be small. Most of the activities proposed need only a room to work in. The most ambitious is the machine-shop, but this is an item that Tech has always needed, and should have had years ago.

One final point. This plan in no way does away with student initiative. If students desire to work on their own—fine, excellent. But in certain cases, such as art work or machine shop, trained personnel are necessary for guidance and instruction where the need arises, bring in qualified men or women from the outside—men of high professional calibre who can mold thirty voices into a harmonious singing group, who can paint and sculpt themselves, or who know where to place the pipes for a lawn sprinkler system.

Summary: Here is presented a plan for Caltech students to develop wider interests, latent abilities, hobbies, a chance to learn to work with their hands. It is an opportunity to make Caltech unique among technological schools—it will be a feature attraction to bring new and better men to the school, and to turn out more complete graduates.

Bill Boutelle
Bob Crichton
Ralph Louberg
Tom Stix

AWARDS PRESENTED

(Continued from Page 1) award, and Jack Marshall and Wayne Herzog second and third place respectively. Varsity track awards were given Tech spike-men by Andy Anderson to Dwight Schroeder, Jack Marshall, Hal Tyson, Martin Walt, Charles Shaller, Don Peterson, Elroy Chinn, Stan Barnes, Erle Brown, Doug Brown, Ray Heggeland, Dick Cornelius, Bill Sylvies, Herb Simons, Manuel Bass,

Y Lost and Found Holds Varied Loot

Fibber McGee has nothing on Wes Hershey.

The former may possess a closet which holds everything but the kitchen sink, but the "Y" director has a closet in the "Y" office which has more articles than McGee's sound man has noises for.

Come An' Get It

Wes urges anyone who has ever lost anything in the general area of Caltech to come in and look over the stock. The "Y" makes every attempt to get in touch with the owners of items turned into the office, but most of it lies around the closet from year to year.

George Brown, and Bob Funk. Art Miller, Bob Cobb, Walt Edwards, Ken Berg, Chuck Paulson, Charlie Steese, and Hiroshi Kamel were Frosh number winners.

Mermen

Tech swimmers to earn their letters were Bill Dixon, Bill Palmer, Jay Montgomery, Joe Curray, Bill Harris, Al Eschner, Ed Mitchell, Mike Hall, Chuck Murphy, Dick Shoem and Bob Waters. Manager Stan Harrison, also a sweater winner, passed out the awards. Frosh making numerals were Dick Libbey, Noel Reed, Jack Dyer, and Ulrich Merten.

Tennis Awards

Dr. Swift presented Ed Alexander with the Scott Trophy, an annual award given the best undergraduate tennis player. The novice tournament award was given Milt Carus. Those men rating letters were Alexander, Bill Shivar, Charlie Vadhana-

CAMPUS BREWINS

This has been a rough weekend for a lot of people, particularly the seniors with an ASCIT dance, Ditch Day Dance plus house events. It looks as though Thorpe and Glover have shown where the beer drinking ability lies. They tied in the 24 ounce contest. We need more athletes with endurance of this caliber.

Blacker Stag

As part of the weekends activities, Blacker had a quiet gentlemanly stag which somehow turned into a riot at about 3 a.m. Don Rolph, feeling a bit gay, was convinced he was a prune seed and tried to stuff himself through a keyhole. Things gradually subsided on Saturday morning.

A lot of seniors got sunburned on Ditch Day at Laguna but Bob Davis, Winchester, Marshall and Mittenthal avoided a little of it by taking off the previous evening with one keg and drinking beer by the light of the romantic moon at Laguna at 3 a.m. There is something inspiring about beer and hot dogs in the moonlight.

Surplus Females

We're still trying to figure out why Ross Mehl showed up with three women and two kids. Were they his? If so, he was a perfect cad to stare through his

panich, Larry Nobles, Phil Lamson, Jack Poindexter, John Bear, and D. B. Duncan. The regular Frosh racket team of Jack Martin, Dean Blanchard, Thorne Butler, Don Schmid, Berk Welch, Bob Munro, Lynn Croswhite, and Dick Marsh won numerals.

Golfers making letters were Harry Moore, Ed Revay, Bob Benton, Virgil Sims, Jack Mof-

phant, Sage Burrows, and Don Barrie. Andy Anderson did the presenting.

Skiers earning awards were Bill Bradley, Harris Schurmeier, Jim Blom, Bloke Carus, John McKenny, Marvin Blair, and Sage Burrows, manager.

Senior lettermen who desired blankets were Petrusas, Butler, Winchester, Chinn, Barnes, Moore, Burrows, Schurmeier, McKenney, Mitchell, and Murphy.

YMCA Fracas

The YMCA mob composed themselves in a dignified manner at Mrs. Fleming's splash party last Saturday. A few sinners were disturbed by solos from the distinguished Dabney

fat, Sage Burrows, and Don Barrie. Andy Anderson did the presenting.

Skiers earning awards were Bill Bradley, Harris Schurmeier, Jim Blom, Bloke Carus, John McKenny, Marvin Blair, and Sage Burrows, manager.

Senior lettermen who desired blankets were Petrusas, Butler, Winchester, Chinn, Barnes, Moore, Burrows, Schurmeier, McKenney, Mitchell, and Murphy.

The California Tech

Published every Thursday during the college year except during examinations and holiday periods.

California Institute of Technology
1201 East California Street, Pasadena, Cal.
Subscription rates: \$1.50 per year.

Entered as second-class matter Nov. 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

Offices: Lower Floor, 1201 E. California Street, Pasadena, Calif.

Telephone: SYcamore 6-7121 Ext. 180

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Pepsodent ad, although Markoff was able to concentrate on happier matters. After many threats, Vern Edwards condescended to strum a few chords on the guitar, whereupon Alexander was thrown in the pool, and everyone went home.

The latest Fleming sublimation, I understand, is handwriting analysis. Not satisfied with putting the hex on his political opponents, Stan Barnes drags out their inmost thoughts with a mere glance at their scrawl. Enthusiasm has spread to Al Eschner; not satisfied with simply brute sex appeal, Al scans his girls' t-bars for signs of weak will power. Pretty dirty! Whatever happened to Ginger, Al? Lower loops too big?

Long

And then there's Dennis "Fat" Long who strides a half hour late into the Inter-Collegiate Conference last Thursday night with, "Sorry I'm late, but we had a football practice and . . ." Oh, those Pomona girls ate it up!

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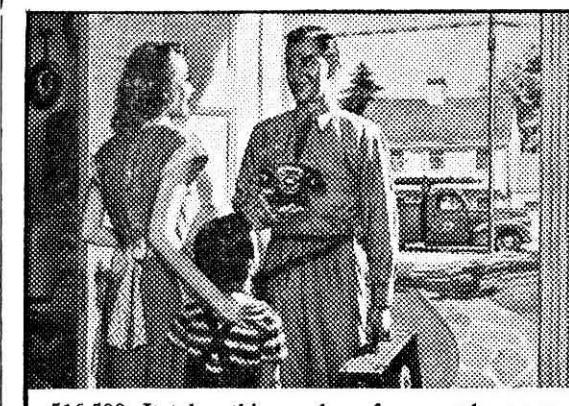
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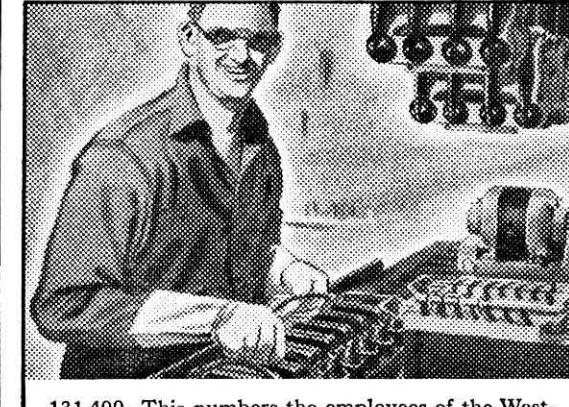
CAMPUS BARBER SHOP

In Coffee Shop Building

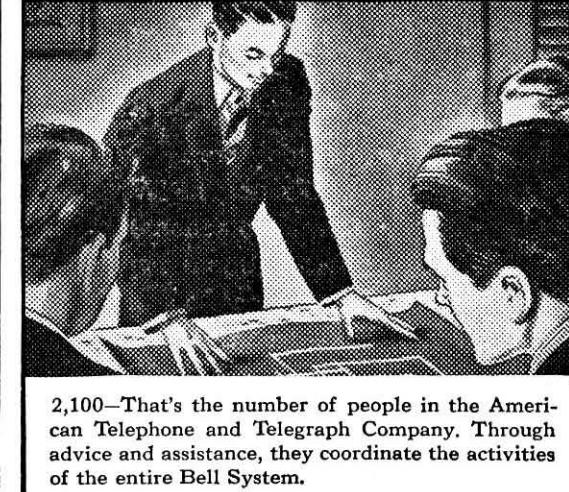
(OLD DORM)



516,500—It takes this number of men and women to operate the twenty-two Bell Telephone Companies. Each operating company is responsible for furnishing telephone service within its own territory.



131,400—This numbers the employees of the Western Electric Company who manufacture, purchase and distribute equipment and supplies for the entire Bell System.



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BELL TELEPHONE SYSTEM

Talkin' It Over
with The Goon

Happened to be gathered with the stalwart few who were cheering the Varsity pigskinners on to their first victory of the Spring scrimmage session.

For those of you who didn't happen to make it out to T.P. Thursday I might add that the rough-house was with our friendly neighbors from Muir JC. And that the Engineers racked up six digits to the Muir-men's zero was no fluke. Although the line had some noticeable holes poked through it, you must remember that such iron men as Walquist and Bass were on the sidelines.

Stars

Dapper Dennis Long luckily kept his handsome face intact this time, but managed to play a brilliant defensive game as he sent many of the opposition home rubbing their battered bodies. In the guard spot Fearless Fred Dahrn, with about fifteen more pounds under his belt (and other places) looked like a small pile driver as he constantly broke through to nab the runner for big losses. There is a boy that has really improved and should be counted on to bolster our line this year. Powell and Houseman traded off in the center position and for novices did exceptionally well.

Offense

On the offense John Lewis, up from the Frosh, looked like a budding Doc Blanchard as he ceaselessly pounded Muir's line and secondary for long gains.

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Beaver Sports

FOOTBALL

Intra-Squad Teams Play to Tie As Spring Practice Concludes

Coach Mason Anderson's 30 pigskin hopefuls turned in their uniforms this week after completing five weeks of grunt and groan with an intra-squad contest which ended in a 6-6 tie, Wednesday.

Funk Scores

The team of Orange and Black went into a one touchdown lead early in the second half on Bob Funk's drive through right tackle from the 10 yard line. A few minutes later Bill Muehlberger knotted the score with a line buck from the two after the Whites had driven downfield from their own 15 yard line.

Sparkplugs

Sparking the Whites were Don Hibbard, Bill Muehlberger, Bain Dayman, Jim Wilcox, Chuz Howard, and Dennis Long, while Bob Funk, Norm Schroeder, Manuel Bass, Chuck Norman, John Lewis, Bill Schuster, and Bill Sylvis looked good for the White's opponents.

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Final Tennis Matches to Decide IH Race Today

Dabney Leads Close Interhouse Battle Over Fleming by Point

The Interhouse Sports Trophy's owner for next year will be decided this afternoon when

Bulldogs Win Final Baseball Contest, 13-7

Coach Ed Preisler's Varsity baseball squad ended a rather disappointing Conference season Saturday with a 13 to 7 loss to Redlands' Bulldogs, at Tournament Park.

The win gave Redlands undisputed first place in the final Conference standings, and left the Techmen with but one victory against seven defeats—thus giving them full control of the loop cellar. Last year's champs, the Whittier Poets, finished second with a pair of losses to Redlands and, surprisingly, to Occidental.

Butler, Strauss Captains

Stu Butler and Milt Strauss were elected co-captains for the past year, and Chuck Norman was voted captain for next year's squad. The Alumni Baseball Trophy was awarded to Strauss and Norman in this morning's assembly.

Strauss topped Beaver batters in season play with a hefty .403, with Chaffee and Norman hitting .400 and .364 respectively. Chaffee led Tech hitters in conference play with .369.

Reds Win Three

In the closest race in years, Fleming has won three titles, including a co-title with Throop in softball and the track and swimming championships. Dabney has two titles, in touch football and cross country. In a replayed Dabney-Blacker basketball game this week, the Green won 53-30, to officially end the hoop season.

Nerrie Director

Sports director Jim Nerrie deserves much credit for the administration of the intramural race this year. Nine sports were conducted with baseball, cross country and volleyball played last fall, softball, track, and swimming the second term, and touch football, basketball, and tennis this term.



More people are Smoking CAMELS than ever before!

PLACEMENT SCHEDULE

(Continued from Page 1)

Knudsen Creamery Co., Los Angeles—ME to do layout work for new buildings, such as arrangement of equipment. Drafting and planning, inspection and follow-up of new construction.

Nobell Resins Co., Azusa, Calif. Several ACh to do chemical work in chemical plant.

Also, 2 men to act as operators in plant. Run calculations, etc. Operation of new processes and new methods in connection with phenolic plastics and resins. (ChE)

J. M. Montgomery Co., Los Angeles—2 or 3 EE's as Plain Draftsmen, and 1 or 2 as designers.

Two Structural Engineers, primarily Draftsmen with modest amount of design.

International Derrick and Equipment Company, Torrance, Calif., CE as Draftsmen, then into design. Chief product portable derricks and equipment. Design and steel radio towers, radio masts, radar towers, television towers, etc.

Kelite Products, Inc., Los Angeles—CE for Laboratory work in manufacture of detergents and soaps. Executive type of work, supervisory, get along with people.

Mr. Ewald Lemke, Anaheim, Calif.—CE, to work up portions of plans for comprehensive sewerage project for Orange County.

Signal Oil & Gas Co., Los Angeles, Calif.—ME for Mechanical Drafting. Piping for tank farms and treated systems and to make facility maps. Part out in field later.

Also a Geology Draftsman. Make Ge charts, graphs, layout and cross-sectional views. Must do fine hand lettering.

W. C. Hardesty Co., Los Angeles—Chemist to assist in research work. Major in organic Chemistry (Fats & Oils).

Western Geophysical Co., Los Angeles—Mathematician interested in seismology, developing equations for seismic prospecting.

U. S. Gypsum Company, South Gate, Calif.—ME or EE to fill 2 or 3 positions in paper industry. Trainee to learn the business. Could lead to almost anything—executive positions, etc. Men should be interested in starting at bottom in operations or engineering dept. (Training at least 6 months). (Interview May 28).

Stran Steel Division, Los Angeles—CE for combination office and construction work in connection with the light steel buildings.

Hughes Aircraft Company, Culver City, Calif.—EE in Plant Engineering Dept. Electrical record drawings have to be brought up to date and changes noted. Opportunity for man of right type to progress in organization. Ability to get along with people as work will carry him into all departments of the plant.

Pioneer Flintkote, Los Angeles—2 or 3 men who would like to make their life work in the paper board conversion business. Start in plant with idea of going into sales. Technical end into management, supervisory.

Johnston Pump Company, Los Angeles—ME to do straight design and laboratory work. Deep-well pump industry.

Classified Ads

CAR FOR SALE! Oldsmobile 1936 well preserved. Call Peter K. at Sy. 2-9737 after 6 p.m.

FOR BARGAIN SALE this week only, 1 dark brown tweed suit; 1 tux double-breasted; 1 dark brown overcoat. All size 38-40. All offers considered. Boutelle, Fleming 71.

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FROSH SPORTS ROUNDUP

(Continued from Page 3)

Roland Berner, Dallas Peck, George Suman, John Lewis, etc., etc., but space limitation keeps us from giving well-deserved mention to the Frosh prospects.

Melon Manglers

With hardly a night's rest E. V. began the task of forming a hoop team to win glory for ye old Tech. By season end there was little doubt in opponents' minds as well as ours that Ed had done just that. The dribblers came through a fourteen game season by winning six games while losing eight. Three of those losses were to Loyola and Pepperdine, teams just a little out of our class.

Hoop Record

The Frosh basketball team suffered some narrow defeats, and possessed the quality of looking like a million bucks one night, and being completely out of it another night. The climax of the season was their surprise win over Oxy's Tigercubs who went on to win the conference title. That game was Oxy's only conference loss.

Ball Handlers

The regular starting five should make a considerable addition to Coach Shy's five next winter. High-scoring Thorne Butler will be looking toward some playing in the pivot spot. Forwards Al Sereno and Bud Freise are both speedy and good ball-handlers, and guards Ray Greutert and Dick Brewer are steady, consistent players. Add to these five reserves such as Dick Libbey, Hiroshi Kamei, and Ed Stern and you have a group that should make any coach happy.

Bevo Hickory Stickmen

The baseball nine went through a losing season somewhat similar to that of the pigskin squad. Under the guidance of ex-Beaver pitcher Norm Macdonald the young Beavers struggled to overcome lack of manpower and experience and win ball games.

Chief additions to the Varsity horseholders of '49 are Dean Daily and Louis Stallkamp, pitchers, Duane Neverman, Al

Sereno, Fred Wood, Ed Stern infeliers, John Moss, Walt Biggers, Chuck Bates, Steve Pardee, Winston Royce, Bill Whitney, outfielders. Oh yes, almost forgot a certain Walt Pfeiffer who was the catcher and hitter of the team, and who did a little pitching in the ninth inning now and then.

Cross Country

In cross-country and track the Frosh produced some able men for Varsity competition. Bob Cobb, Art Miller, John Lewis, Walt Edwards, Dick Smith, Ray Bowerman, are merely a few. The fall cross-country squad won the conference meet as well as both dual meets with Pomona and Redlands. The mighty midget, Bob Cobb, placed first in the loop meet at Tournament park.

Cinder Path Men

In the cinder season the junior spikemen did not fare so well. The team placed fourth ahead of Whittier in the Conference meet, and were nosed out for third by a mere third of a point.

Swimming

Merrick's waterbabes proved their worth as the squad of five did themselves proud in competition. Paced by Dick Libbey the young mermen came in third in the loop meet, and would have done a notch better had they had enough men to enter a relay team in the final event. Libbey set a new Frosh conference record in the 220-free style, and now holds a pair of Frosh school

records in the 220 and 440.

Top Men

Noel Reed took a few seconds in the breaststroke and he and Libbey will be welcome additions to Merrick's mermen of next year. Ulrich Merton, Jack Dyer, and Jim Enslow made up the remainder of team. Incidentally, Libbey was given a vote of confidence by his teammates by being chosen captain unanimously.

Netmen

Last but not least on this resume is the tennis team. After a slow start the racket boys won their last four matches. Jack Martin and Dean Blanchard were the spark plugs in Lamb's lambs. The pair went to the finals in the doubles at the loop meet before dropping a match. Don Schmid, Thorne Butler, Berk Welch, Bob Munro, Lynn Croswright, and Dick Marsh will aid Coach Lamb's hopes for victory next year.

And so the aforementioned men plus many more will go into making the Beaver teams of the next three years. With apology to those who were overlooked, we hope that the deeds and records of the '47-'48 Freshman class will not be soon forgotten.

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TALKIN' IT OVER

(Continued from Page 3)

With the combined hulks of Mully and John, our fullback spot looks stronger than ever. Hal Tyson displayed his usual fine "form" in the aerial department as he pitched the scoring pass to Hibbard late in the second half.

Compliment

And just as a side light I'd like to repeat a compliment that was paid to Tech teams by one of the Pepperdine pros. I happened to get into a conversation with some anthropoid type line-man who was visiting with the Waves baseball squad last Tuesday in which he said that of all the teams that Pepperdine had come up against last season, the Beavers had the most fight and the most guts right up to the final gun. Let's hope that win or lose we can keep the fine reputation that we have won for playing clean hard ball all of the time.

I. H. Competition

On the matter of inter-house

vs. intercollegiate it was interesting to read Dink Templeton's column in one of the Palo Alto papers the other day. And I quote in part from his column: "From time immemorial star athletes have been getting knocked off upholding the honor of the old frat on the touch football or softball field, but this year is the first time I ever heard of volley ball wrecking a guy. I guess it must be that they don't belong out there and the little men take the opportunity of slipping invisible banana peels under their feet . . . Varsity athletes don't have any business competing in the intramural sports . . ." Maybe this problem is not only confined to Tech but has even worked its way up to Stanford.

In fact the reason for Dink coming out so against the intramural program was that the Indians lost the big meet with Cal because two of their top men had been seriously injured competing in various sports in the inter-frat league.

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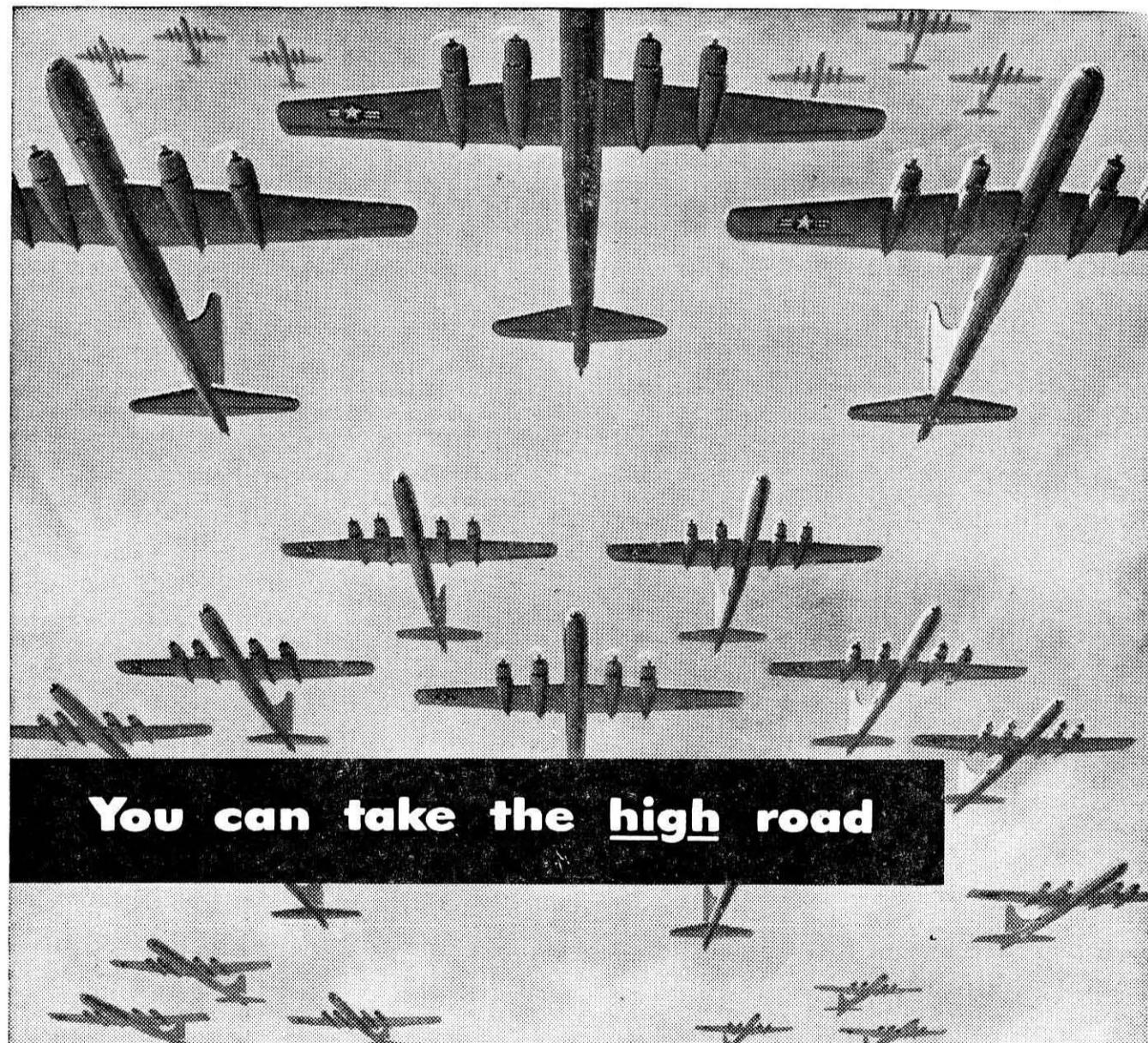
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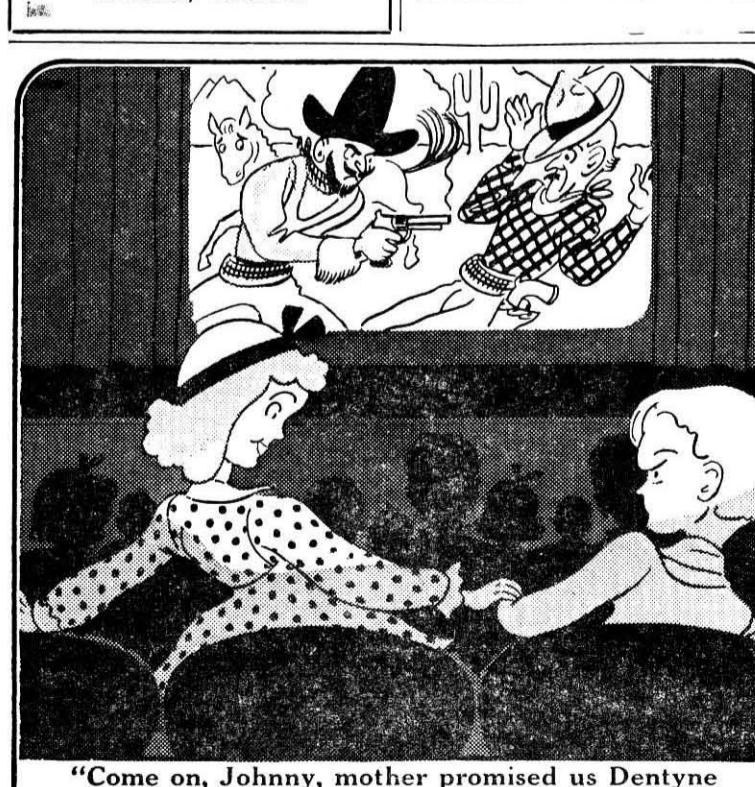
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