

Volume L.

DuBridge Forum Speaker on Tech Educational Policies

Pauling to Speak Next Monday for Y Forum; "Progress Toward World Government" to Be Subject

By Ulrich Merten

Last Monday's Y Forum featured a talk by Dr. L. A. DuBridge on "Educational Policies at the Institute." Dr. DuBridge began his talk by quoting from the section on educational policies in the Catalogue which reads, in part, "The primary purpose of the undergraduate school is to provide a collegiate education which will best train the creative type of scientist or engineer."

Principles

According to the Institute's President, the general educational principles of the Institute can be summarized in a few words. The institute strives for:

- 1) A limited enrollment of selected students.
- 2) A restricted number of fields of instruction.
- 3) An emphasis on fundamentals and creative work.
- 4) A broad education.

These principles were adopted by Caltech in 1921 and since that time have been copied by many other schools.

Pauling to Speak

Dr. DuBridge discussed the problems of engineering and humanities curricula at some length, and reminded his audience that the Catalogue could be consulted for additional information on the subject.

Next week, the Y will present Dr. Linus Pauling, speaking on "Progress Toward World Government."

Los Alamos Work Offered Scientists

Chemists and physicists are being sought by Dr. D. P. MacDougall, Chief of the Explosives Division of the Los Alamos Scientific Laboratory, to fill his personnel needs. He wishes to secure organic, physical, and analytical chemists with B.S. or Ph.D. degrees, and physicists with B.S. or Ph.D. interested in non-nuclear fields such as optics, electronics, hydrodynamics, and mechanics.

Information

Any men interested should contact Placement, Extension 357, as soon as possible. An interviewer will visit the campus if sufficient interest is shown.

Bethlehem Steel

Bethlehem Pacific Coast Steel Corporation, San Francisco, is offering its Loop Course training program to engineers interested in the steel industry. Wanted are fourth and fifth year civil engineering graduates, to train for fabricated steel construction; mechanical engineering graduates, to train for steel plant operations; and graduates, preferably but not necessarily in mechanical engineering, to train for selling.

Qualifications

Good health, character, and ability to work with people are regarded as being as important as scholastic ability. Booklets and application blanks can be obtained from the Placement Office. Deadline for applications is February 21.

Campus Calendar

THURSDAY, FEBRUARY 17—
12:00 Y Upperclass Luncheon
12:15 Throop Club Meeting
7:30 Dancing Class
7:15 ASCIT Board Meeting

FRIDAY, FEBRUARY 18—
9:00 Basketball, Frosh vs. Whittier at Oxy

SATURDAY, FEBRUARY 19—
7:30 Basketball Double Header, Oxy vs. Redlands
9:00 Caltech vs. Whittier at PCC

SUNDAY, FEBRUARY 20—
7:30 Caltech Musicals, Dabney Hall

MONDAY, FEBRUARY 21—
4:20 Interhouse Bowling

TUESDAY, FEBRUARY 22—
12:00 Y Frosh Luncheon
7:30 Band Practice, Culbertson

WEDNESDAY, FEBRUARY 17—
4:30 Alumni Placement Talk
7:30 Fencing, Dabney Dining Hall
7:30 Orchestra, Culbertson
9:00 Glee Club, Culbertson

Pre-Registration Feb. 21-March 5

Blacker-Fleming Barn Dance Held At Mountain Oaks

Mountain Oaks was the scene of another joyful evening last Saturday as the farmers of Fleming and Blacker got together with their farm girls to imbibe Eastside and good cheer.

Crew Race

Midway in the evening two crews lined up and when the foam cleared, Fleming had won by a man the annual crew race. As always, the most spectacular contest took place when six stalwarts from either House braved severe burns to down "Flamers" of a higher order. Result was a draw.

Future Events

Big things are in store socially for Blacker House two weeks hence, and nitelife will be curtailed this weekend as the House features a record dance on Friday and an Open House after the game on Saturday.

California Institute of Technology

Thursday, February 17, 1949

No. 17

"Summer Jobs" Topic Set For Alumni Lecture

By Dick King

The Alumni-Beaver lectures move back to their usual meeting place, Dabney Lounge, for the final talk, next week. The subject, "Summer Jobs," will be handled by Mr. Hugh F. Colvin, Treasurer of the Consolidated Engineering Corporation, of Pasadena.

Former Techman

Mr. Colvin is a former Techman, graduating in 1936, and also obtaining a MBA from the Harvard Business School in 1939. While at Tech he handled various editorial jobs on the "California Tech," and held the offices of secretary of Throop Club, and Athletic Manager of the ASCIT. He lettered in basketball.

Treasurer

After graduating he was employed for 7 years by Union Oil Company as a Chemical Engineer. He now is Treasurer and Assistant to the President of Consolidated Engineering Corporation, and also Treasurer of United Corporation, also of Pasadena.

This, the last lecture of the series, will be held at the usual time, Wednesday, 4:30 p.m. in Dabney Lounge.

Russia is Topic Of Benes Talk

The Friday assembly for next week will offer the men of Tech a rare opportunity; the speaker will be Mr. Bohus Benes, nephew of the late Dr. Edward Benes. Mr. Benes will speak on "Russia in the Heart of Europe."

Mr. Benes was a member of the Czech Government-in-Exile until November, 1942. He then served as Czech Consul in San Francisco from that time until 1948, when the Czech Government was changed.

The purpose of the visit by Mr. Benes to Pasadena is to give a talk before the Institute Associates on Thursday, February 24.

It is fortunate for those on campus that he has generously agreed to stay over an extra day and speak to the student body at this assembly next Friday.

Pre-registration

Pre-registration for the third term will start next Monday, February 21, and will continue until March 5.

All students who plan to be in attendance during third term are required to make out their pre-registration cards during these two weeks.

Low Bridge Gone

Those Seniors and Juniors who have turned to the engineering options and forsaken classes in Bridge would be shocked to see what has happened to that historic landmark between the second and third floors of West Bridge: The Low Bridge.

Students who were here three years ago remember the large, forehead shaped nick in the plaster of this obstruction. They will also remember that the Institute repaired it periodically, but that the nick always reappeared.

Something has finally been done to the forehead height obstruction. It has been chisled out and padded. A soft foam rubber cushion replaces the old chipped plaster.

We think we liked it better the old way.

Sic Transit . . .

CANDIDATES

The deadline for your political statements for the California Tech is next Monday night. Statements should be limited to 50 words, and turned in to Stan Barnes, Jim Hummel, or Earl Hefner.

ASCIT Elections Draw Near; Campaigns Set for Next Week

Redlands, Tech Set Exchange Of Assemblies

Thanks to the successful turnout at the Oxy exchange assembly, we are having an exchange assembly with Redlands this Friday at 11:00 in Culbertson Hall. We are sending the same show that entertained the Bengals out to Redlands Thursday night, for their interpretation of a night at Tech. If the Bulldogs enjoy it as much as the Oxy students did, we'll make a swell impression for future assemblies.

In return we'll be host to the Bulldogs' talent show tomorrow. Their M. C. is Jack Cummings, the Redlands Rally Commissioner, and the show will comprise some of the top talent on that esteemed campus, including some charming girls. It promises to be a really great show, and a lot of fun. Let's show our appreciation by turning out for some real entertainment. This exchange assembly plan is proving profitable so let's support it.

Tech Players Ready Lines

The brilliant work of talented Caltech thespians will soon bring forth the annual ASCIT play.

The play is a three act modern melodrama entitled "Maid in the Iceplant" or "Beethoven, Bananas, and Beer", and is the brainchild of the eminent CIT playwright, Carl Price.

It will be presented the evenings of March 3rd and 4th in Culbertson Hall, featuring women and more women, and should be a kick.

Cast

Shirley Dean, wife of junior physicist Bill Dean, and a former actress, is directing the play. Among the principals are curvaceous Gloria Murphy, valiant Carl Fox, noble and plius Jim Hendrickson, fragile Sis Stabler, sweet and maternal Et Parker, villainous Carl Price, and that old roué Dave Oakley. Altogether it sounds like a lot of fun, so plan on being there. Further details in the next Tech.

Dabney To Frolic At Bozart's Brawl; "Bohemian" Theme

This Friday will see the harder Dabneymen assembling to pay homage to old Stan Bozart in a costume brawl. Attire will feature the ridiculous and Bohemian with limits only on the quantity of clothes allowed the girls.

The evening will be spiced by candle-lit tables, games of chance, impromptu demonstrations, and a high-class floor show. Rumor has it that old Stan Bozart himself will be present to award the prize to the winner of the "Lousiest Costume" contest.

Valentine's Dance

The holiday of St. Valentine was ceremoniously ushered in at Dabney last Saturday night as dozens of gaily bedecked damsels and their formally clad escorts danced to the excellent music of Doug Maple.

The Valentine theme was very effectively carried out by Jon Goerke's decorating crew with red and white streamers, appropriate boy-girl silhouettes, and the traditional red hearts thrown about in ordered profusion.

Entertainment was put forth during half time as announcer Don Royce presented the "Resighi Bubble Gum" program.

Board of Directors Revises Duties of Rally Commissioner

The ASCIT nominations assembly was held last week with a large number of the student body attending. There were several nominations from the floor with a good deal of student participation.

Rally Commission

There were, however, several offices with but one candidate. The office of Rally Commissioner was left high and dry without a candidate, and so the Board of Directors made some changes in the Rally Commission.

The commission will henceforth consist of one commissioner, and two assistants known as the Rally Manager and the Assembly Manager. These two men will be appointed by the Rally Commissioner subject to the approval of the Board of Directors, and they will receive from 30 to 40 honor points for the job. There is now one candidate for the office, and perhaps more by the Friday noon deadline.

Candidates

The following are the candidates for the various offices as of press time. The candidates are: for ASCIT President, Stan Bocourt and Ralph Lovberg; Vice-President, Merle Kam and Dave Warren; Secretary, Ollie Gardner and Fred Wood; Treasurer, John Fee, John Goerke, and David Oakley; Athletic Manager, Noel Reed, J. Michael Selten, and Howell Tyson; Publicity Manager, Jim Hendrickson, nominations open until tomorrow noon; First Representative-at-large, Bill Freed and Bruce Robinson; Second Representative-at-large, Stan Groner, Richard Jones, Philip Randolph, and Bob Stanaway; Rally Commissioner, Bill Wright, nominations remain open until tomorrow noon; Yell Leader, Ulrich Merton, nominations open until tomorrow noon; Editor of the California Tech, Earl Hefner; Business Manager, Wilson Bradley; Editor of the Big T, Eric Johansson; Business Manager, Jim Blum; these last four offices are open for nominations until tomorrow noon.

Campaigns

There will be no campaigning until Monday. After that one may expect posters, speeches, and all the usual pre-election propaganda. The candidates will speak after dinner at the houses Monday, Tuesday, and Wednesday, and at Throop Club Tuesday and Wednesday noon.

Elections will be on Thursday. The polls and final list of candidates along with the candidates' statements will be published in the next issue of the Tech. This issue will be distributed before noon, and it might be wise to check for any late developments. Be sure to vote for the candidate of your choice.

Hearts Featured At Valentine Formal

A heart shaped entrance to Dabney Lounge greeted those Ricketts and Throop men and their dates who enjoyed the Valentine semi-formal held last Saturday night.

Musics

The dance, enjoyed by all who attended, featured the music of Ray Dietrich and his orchestra. The decorations, designed by Phil Halverson of Ricketts and Gill Kitching of Throop with their able helpers, were very appropriate and unusual.

Hearts

As each couple stepped through the heart-shaped entrance they were given a large red heart which could be inscribed as a Valentine and then placed on the wall to form a background of hearts. Crude alleys, in their efforts to be unique, found places to hang their hearts that were inaccessible to other persons.

Interview Schedule

FEB. 18—

COUNTY OF LOS ANGELES ROAD DEPARTMENT, Los Angeles, Calif. Mr. E. A. Burt, Chief Deputy Road Commissioner, Interviewer. Will talk with Prof. W. W. Michael's Highway Engineering class at 10:00 a.m. Private interviews will follow if so desired. Appointments taken after discussion.

FEB. 22—

SOCONY-VACUUM OIL COMPANY, INC., New York, N. Y. Mr. Paul W. Boynton, Supervisor of Employment, Interviewer. Unmarried students only, seniors and graduates, for Petroleum, Chemical and Mechanical Engineers in Foreign Producing Department. Twelve months training program in the United States will cover Production, Maintenance, Drilling Operations, Laboratory assignments and Field Engineering. One or two openings for Junior Engineers who are interested in Summer Employment and who are thinking of foreign employment on a career basis after graduation. Job openings in Venezuela and Middle East. Mainly in Venezuela at this time. Schedule filled.

FEB. 23 & 24—

INGERSOLL-RAND COMPANY, New York City, New York. Mr. E. E. Braeutigam, Asst. Technical Personnel Director, Interviewer. Seniors and graduates in Mechanical Engineering, preferably also Electrical and Civil Engineers. Openings in sales engineering, design and development, production, purchasing, advertising and business positions. Schedule filled.

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.

The Evening Concert

KFAC 8-10 p.m.

Presented by the Southern California and Southern Counties Gas Companies

THURSDAY, FEBRUARY 17, 1949
 TRISTAN AND ISOLDE—PRELUDE AND LIEBESTOD, by Wagner. Chicago Symphony Orchestra conducted by Artur Rodzinski (16).

SYMPHONY No. 101 IN D MAJOR (CLOCK), by Haydn. Philharmonic-Symphony Orchestra of New York conducted by Arturo Toscanini (26).

A GERMAN REQUIEM, by Brahms. R.C.A. Victor Chorale and Orchestra conducted by Robert Shaw (68).

FRIDAY, FEBRUARY 18, 1949

Weekly Feature Concert—A Night at the Ballet

THE TWO PIGEONS—BALLET; LES INDES GALANTES—BALLET HEROIQUE; THE SPIDER'S BANQUET, by Roussel; RAYMONDA, by Glazounov; ROSSALKA—BALLET MUSIC, by Dargomitsky.

MONDAY, FEBRUARY 21, 1949

PRELUD TO THE AFTERNOON OF A FAUN, by Debussy. Boston Symphony Orchestra conducted by Serge Koussevitzky (10).

SYMPHONY IN D MINOR, by Franck. Paris Conservatory Orchestra conducted by Charles Munch (33).

JOSE ITURRI, PIANIST (41). ARABESQUES No. 1 IN E MAJOR AND No. 2 IN G MAJOR—CLAIR DE LUNE, by Debussy.

FANFARE IMPROMPTU—WALTZ IN D FLAT—WALTZ IN C SHARP MINOR—MAZURKA IN B FLAT MAJOR—POLONNAISE No. 6 IN A FLAT MAJOR, by Chopin.

DANCE OF TERROR AND RITUAL DANCE OF FIRE FROM EL AMOR BRUJO, by De Falla.

MINUET IN G, by Paderewski.

PELLEAS AND MELISANDE—INCIDENTAL MUSIC, by Faure. London Philharmonic Orchestra conducted by Charles Munch (16).

LA VALSE, by Ravel. Paris Conservatory Orchestra conducted by Charles Munch (12).

TUESDAY, FEBRUARY 22, 1949

1812 OVERTURE, by Tschaikovsky. Concertgebouw Orchestra of Amsterdam conducted by Willem Mengelberg (14).

SYMPHONY No. 5 IN E MINOR (NEW WORLD), by Dvorak. Philadelphia Orchestra conducted by Eugene Ormandy (37).

JACQUES THIBAUD, VIOLINIST.

CONCERTO No. 3 IN G MAJOR FOR VIOLIN AND ORCHESTRA (K. 216), by Mozart. London Philharmonic Orchestra, Paul Paray (24).

APPALACHIA—VARIATIONS ON AN OLD OLD SLAVE SONG, by Delius. London Philharmonic Orchestra conducted by Sir Thomas Beecham (38).

WEDNESDAY, FEBRUARY 23, 1949

NABUCO—OVERTURE, by Verdi. Symphony Orchestra of Turin conducted by Sergio Faloni (8).

SYMPHONY No. 6 IN B MINOR (PATETIQUE), by Tschaikovsky. Berlin Philharmonic Orchestra conducted by Wilhelm Furtwangler (47).

ELEKTRA—EXCERPTS, by Richard Strauss. Soloists, Royal Philharmonic Orchestra and Chorus conducted by Sir Thomas Beecham (32).

VALSES NOBLES ET SENTIMENTALES, by Ravel. San Francisco Symphony Orchestra conducted by Pierre Monteux (16).

ROUMANIAN RHAPSODY No. 1 IN A MAJOR, by Enesco. Symphony Orchestra conducted by Leopold Stokowski (10).

Musical Masterpieces

KFAC 4-5 p.m. daily
 2-5 p.m. Sunday
 Presented by the Slavick Jewelry Company

Romeo and Juliet Overture Fantasia—Tchaikovsky. Sir Thomas Beecham and Royal Philharmonic Orchestra.

*Symphony No. 41 in C Major "Jupiter"—Mozart. Bruno Walter and Philharmonic Symphony Orchestra of New York.

You and Your Waltzes from "Die Fledermaus" Johann Strauss. Frederick Stock and Chicago Symphony Orchestra.

FRIDAY, FEBRUARY 18
 The Three Elizabethan Coasters, Eric Coates and National Symphony Orchestra.

*Gondoliers—Ball—Ballet—Johann Strauss-Dorati, Antal Dorati and Dallas Symphony Orchestra.

Fairy Tale Suite—Folk Dance Polka—Suk-Frederick Stock and Chicago Symphony Orchestra.

SATURDAY, FEBRUARY 19
 Colas Breugnon Overture—Kabalevsky. Arturo Toscanini and NBC Symphony Orchestra.

*Aida Highlights—Verdi Maria Caniglia, soprano Ebe Stignani, mezzo-soprano Benjamino Gigli, tenor Gino Bechi, baritone.

Tullio Seraini and Orchestra of the Opera House, Rome.

SUNDAY, FEBRUARY 20
 "CONCERT FAVORITES," 2:00-3:00 P.M.
 "STAGE MELODIES," 3:00-4:00 P.M.
 "MUSICAL MASTERPIECES," 4:00-5:00 P.M.

The Bronze Horse Overture—Auber Constant Lambert and London Philharmonic Orchestra.

*Symphony No. 6 in B Minor "Pathétique," Tchaikovsky. Leopold Stokowski and Hollywood Bowl Symphony Orchestra.

MONDAY, FEBRUARY 21
 *Masquerade—Symphonic Suite—Khatchaturian. Leopold Stokowski and Philharmonic Symphony Orchestra of New York.

Concerto in A Minor—Bach. Carl BAMBERGER and Chamber Orchestra.

*The Fair Maid of Perth—Bizet, Sir Thomas Beecham and London Philharmonic Orchestra.

TUESDAY, FEBRUARY 22
 An American Salute—Gould, Arthur Fiedler and Boston "Pops" Orchestra.

American Music for Orchestra Jubilee—Chadwick.

Prelude to "Oedipus Tyrannus"—Paine Night Soliloquy—Kennan.

The White Peacock—Griffes Howard Hanson and Eastman-Rochester Symphony Orchestra.

Testament of Freedom—Randall Thompson Harvard Glee Club. Serge Koussevitzky and Boston Symphony Orchestra.

WEDNESDAY, FEBRUARY 23
 The Abduction from the Seraglio Overture—Mozart. Sir Thomas Beecham and London Philharmonic Orchestra.

*Concerto in D Major—Beethoven. Joseph Szigeti, violinist. Bruno Walter and Philharmonic Symphony Orchestra of New York.

March Joyeuse—Chabrier. Constant Lambert and London Symphony Orchestra.

*By Request

• CAMPUS BREWINS

Idle Chatter While I Sit This One Out,

or To Hell With Caltech Men Who Dance With My Girl!

You must be having a hell of a time

Cuddled up to a slide rule Or dancing with a logarithm Or looking at the moonlight through a prism.

Really, I can give you better astronomy lessons — With gestures.

You must be having a wonderful time

Being analytically geometrized In terms of stress and strain Or being described by sines and cosines or log log tangents.

Some curves are more than this.

They even Baffle Science.

You must be having a hell of a time

Meeting all the relativity In quanta and quanta Or listening to how much he loves you in the fourth dimension

When I can take you clear out of this world— Without words.

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—with a pink toga rescued from 1947's Greek Play in between—

Kam was the sensation of the Scripps Beaux Arts Ball last Saturday night. It was only through force of habit that the costume prize of the evening went to Anne Davis and date. What'll they do when that gal graduates?

Pierre et al

The Darbs watched open-mouthed during their pre-dance dinner as their host, Pierre, downed what seemed to be dozens of Class A Flammers. What talent! Mono-Martini MacKenzie was so stupefied (more than usual) that he upset a tray of hors d'oevers.

True, true . . .

They even

Baffle Science.

You must be having a hell of a time

Meeting all the relativity In quanta and quanta Or listening to how much he loves you in the fourth dimension

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watching his exhibition dancing. It's too bad he can't remember what a good time was had.

Sweetness and Light

Ricketts and Throop had a reasonably smooth evening. It was such a keen evening that we were quite out of it; practically no diri at all. Ron Conner was looking all too Cheshirey, evidently finds Orr agreeable. And while touching on that particular fortress of virtue, Phil Randolph dealt in some unidentified friends for blind dates; all healed up Phil? Sereno was mumbling in his beer because his woman had to be taken home early; presumably another Joe was to start in where he left off.

Dick Spence has the right idea. His dates run about five cents an evening. At 7:30 he steps into the phone booth to call his girl who lives three blocks away—

(Continued on Page 4)

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Talkin' It Over
 With The Goon

**Beavers, Poets,
Bulldogs, Bengals
At PCC Saturday**

Want to devote a few lines today to the two queens of the athletic field—Miriam and Miss McGee. Whatever sport is in season these gals are always ready to lend a helping hand. Last Monday, Miriam sent the boys on the cage squad a fine valentine; when they needed numbers sewed on their jerseys, Miriam did the job. They're at every game of every sport cheering twice as loud as anyone else. Be nice if a few more of our illustrious students could get a little of this enthusiasm we'd be much better off.

Dropped up to the Muir bath-tub to watch the local version of Aquacade. It was disappointing. Palmer doesn't look half as good as Eleanor Holmes in one of those French swim-suits. There are so many guys splashing around that two-by four play pen that there's not enough room for the divers to get from the board to the water without hitting three men on the way down. There seems to be plenty of new talent, not only in the way of our new coach, but also in many of the new frosh. Monty will have less drag resistance since he lost enough hair during basketball season so that now his head looks like the top of porpoise.

Should prove to be an interesting evening this Saturday when the Tiger scrap the Bulldogs and

Shirts
SHIRTS
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HEDRICK & MARKOFF
 Agents
 Dabney 11 & 12
 Finest Quality Shirts
 from \$4.95

the Engineers try to take the measure of the Poets. Whittier lucked through (as some other school whose name I won't mention) last week end and are definitely beatable. The Poets are minus the services of three of their front line men, while only Buckets Bowen is bothered by aches or pains.

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

Action on Interhouse Front
**Hundred Participants Entered
In IH Cinder Meet Saturday**

A track meet is scheduled for Saturday, but it will probably rain. Nevertheless, most of the houses are assembling teams and hopes. Chuck Norman says that Fleming will take six, and is willing to bet his Fleming Waiter's Union Card on it.

Dash

In the 100 yard dash, Fleming has Madden, Ricketts has McEwing, and Dabney is trying to get Dark-horse Markoff to take a lap. He's afraid he'll get stiff. Madden is also running the 220 against Dabney's Paulsen and Ricketts' Wilcox.

Quarter, Half

Carlson will probably take the 440 for the Red. Begg and Greene are trying for the Rowdies. The 880 will be run by Dabney's Merkel, Porizky and Marshall for Ricketts, and Peck and Darling for Fleming.

Relay

In the 880 relay, Ricketts is putting out Wilcox, Greene, Eilenberg and McEwing. Fleming has high hopes for Norman, Hibbard, Carson, and Madden. Dabney will probably send out its quartet in short pants.

The 110 high hurdles might go

TYPING
THESES
MANUSCRIPTS **PAPERS**
 CORINNE BABCOCK
 SY. 9-2462

Dabney Annexes Softball Title With Undefeated Record

Interhouse softball roared into its third week with Dabney on top. The Green finished its end of the fight with a 1-0 squeak over Blacker last Thursday. Dabney scored in the first, then the pitchers dueled till sundown. This game gives Dabney a first, being unbeaten and untied in four games.

Throop splattered Ricketts in Monday's fray, 24-5. The off-campusites led all the way, showing superior class in both hitting and pitching. The outcome left the Rowdies with a clean no-win slate.

As the season closes, it looks like Throop will take an easy second, but may have ties to contend with. Blacker and Fleming are fighting over third and fourth spots, hoping to move into the tie position for second.

The standings:

House	Won	Lost
Dabney	4	0
Throop	2	1
Blacker	1	1
Fleming	1	2
Ricketts	0	4

to the Green's Bob Stanaway. The other houses are asking for volunteer contenders. Herzog will try the 220 low hurdles for Dabney, against Fleming's Norman.

CALTECH BARBERS
 on California Near Lake

**Last Second Shot
Beats Tech 50-48**
Dick Schuster

It's turning out to be an unfortunate season as our Beaver varsity lost their second game in a row by a cat's whisker. This time, or last Friday evening, it was Redlands' guard Harold Waters who pushed through an unconscious field goal in the last second of play to give the Bulldogs their 2 point margin of victory.

The game was much like the Whittier game the week before.

♦We got off to a very slow start, but the Orange and White all but evened the score by half time. The entire second half was nip and tuck.

Bowen High Point

We must mention Ted Bowen right now for his beautiful play. He couldn't miss and led the scoring for the evening with 18 points. His nice defense was apparently not hampered by the fact that he again suffered a bad sprain when he went for a loose ball late in the game. He was followed in high point honors by Kreutzberg, the Redlands center.

Redlands Zone

The biggest thorn for Tech was the zone defense employed by Redlands. It kept our defense fairly well bottled up, especially at the beginning of the game. We couldn't seem to get the ball fed into Saltman. The fray was very tight and slow at the start, with the Bulldogs slowly pulling away to a nine point lead midway in the first half. Then our varsity seemed to come to life, and they steadily pulled up to put the tally at 22 to 24 at half time—in Redlands' favor.

With 10 minutes left they held a 6 point advantage. Sparked by Bowen and Art Bruington we narrowed the gap, and with one minute left, Bru knotted it at 48 all. The play had steadily picked up all the while, and the game was now going at break-neck speed. With 5 minutes to go Butler went out on fouls, and the Goon followed when the clock read 45 seconds.

In those last seconds we had two chances at field goals which were badly messed up. Redlands in turn had two free throws, both of which they missed. Then, with an overtime game a certainty to the spectators, and as the final whistle actually was sounding, Waters swished through his winning basket. What a tough one!!!

Bru, Bullet Bill Cox, and the Goon followed Bowen in our scoring with 9, 8, and 7 points in that order. The boys played a fine game, and much credit should be forthcoming in spite of their defeat.

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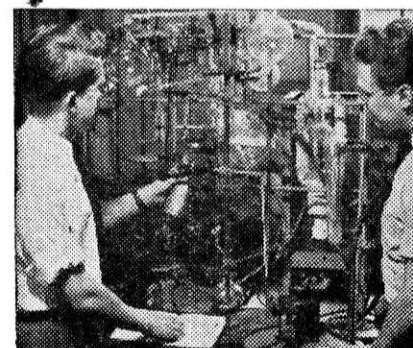
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Dr. Hale Charch, Ph.D., Ohio State '23, re-enacts discovery of moistureproof Cellophane film. Bag at far right held water for weeks; other control bags showed evaporation.



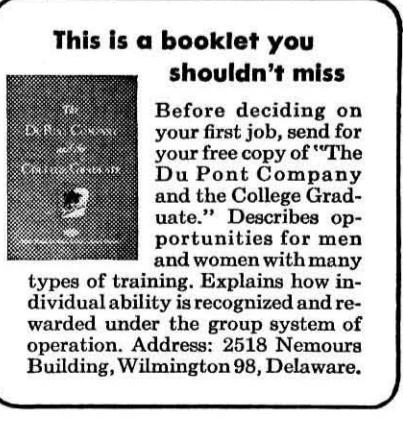
Cellophane is made by extruding viscose through a slit into an acid bath where it coagulates into sheets. Moistureproofing follows.



Organic Chemist M. L. Ward, Ph.D., Illinois '42, and Physical Chemist P. E. Rouse, Jr., Ph.D., Illinois '41, conducting research on the permeability of thin membranes, including Cellophane.

cology or plant pathology. In fact, almost all the sciences are put to use at Du Pont.

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WRITE TODAY for "The Du Pont Company and the College Graduate"

Y's Doings
By Vern Edwards

It's good news in the Y office this week and rightly so. At the last count before the writing of this column our Y drive, which officially ended last Friday, was within \$100 of reaching its goal. However, all receipts were not yet in and there is every reason to believe that we will go over the top.

Special credit can well be given to Harry Begg who worked long and hard on the preparations for the drive and Kent Stratton who handled all of the publicity.

It is especially encouraging that we received the help we did from over 125 student solicitors. We realize the very important part they played in making the drive a success and we are certainly grateful for their aid.

It is also heartening to know that the Y may now continue with its program on a sound financial basis.

But perhaps the most significant result of the drive was that by their generous contributions, the students and faculty and employees of the Institute gave their overall endorsement to the program that the Y is carrying out on the campus.

Speaking for the Y, I would certainly say that the success of the drive is accompanied with a definite feeling of encouragement and a sense of responsibility on the part of those actively engaged in the programming of

Frosh Sports Roundup
By Leon Michaelsen

Undefeated Redlands played host to the Caltech Frosh last Friday night and in a manner unbefitting current etiquette dealt us an impressive 51 to 35 defeat. It was the Bullpups' night after they passed the Techmen who had held them to a 11 to 11 score with five minutes to play in the first half.

Much to Coach Preisler's dismay, the lineup was lacking the names of Snider, Tautz, Grey and Granger, although Granger and Grey are expected to be back in uniform for this week's game, Snider and perhaps Tautz will be out for the remainder of the season. What next?

Harry Patapoff put on his usual impressive show to the tune of 18 points for the evening, leading both teams. For those of you who haven't seen Harry's "flyin' low" lay-in show, that's sure to draw two points or a foul, we assure you that it would be very worthwhile. Stay in there Patapoff, but please, don't give the refs such a hard time.

The Frosh five, more complete, meet Whittier at the Oxy gym next Friday at 9:00 p.m. Promising to be spiced by the Poets desire for revenge of the 68 to 53 setback handed them by the Beavers a couple of weeks ago, the contest is sure to be well worth seeing. See ya there!

the Y.
Thanks again for your wonderful support.

CAMPUS BREWINS
(Continued from Page 2)
seldom leaves.

Immorality
While the rest of Tech danced formally, Fleming and Blacker indulged in their chosen form of substitution, a Barn Dance. The crew race was tres exciting—Fleming won the decision. The Flammers came out a tie, with Tall, Dark and Cuse tying Jack Moffat in Class A. Haynes, Cur-ray, Drury, and Hammond were less successful.

Bruington, after bleeding about not being able to find a woman

ORIENTATION

(Continued from Page 1)
signed to show the students what the engineering professions offer to them. Professor Lindvall, chairman of the Division of Engineering and Aeronautics, will speak on "The Engineering Profession as a Vocational Choice" Monday, February 28.

To round out the lectures, the sciences will be represented Monday, March 7, by Professor Carl Niemann. Prof. Niemann will speak on "The Sciences as a Vocational Choice."

Found a widdo wabbit,
Called him Jim;
Got eighteen more—
Her weren't no him.

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ALSO
4-DAY LAUNDRY
& CLEANING SERVICE

all week, showed up smirking over a fine specimen. Pot Belly Gage and Karzas tried their palates on the crew race for the first time; we already observed who won. Of course, Jim Hendrickson was in great form; we thought his girl very sweet. Definitely, Type Barn Dance, With Fuel Tank, Large.

Morrison and Hartung had a harrowing experience. Navigation to Fleming was accomplished, but under Walt's directions, John seems to have confused the location of his closet with the Alley 2 head. Ah, to be young again. There were a number of Fleming stags around, also Brad Houser, hoping to repeat last week's performance.

Matzner reports finding a woman with common interests, (uh huh). Eschner is smiling this week. His partner in the demonstration of proper dancing stances is a gem from last month's Post Card Exchange.

Selfless Devotion

Matzner reports finding a woman with common interests, (uh huh). Eschner is smiling this week. His partner in the demonstration of proper dancing stances is a gem from last month's Post Card Exchange.

word on European accents for "Maid in the Iceplant." Every Sunday evening he devotes several hours to watching the local thespians. We reject the possibility of that happy accretion of protoplasm, Miss Murphy, being in the least responsible.

FP 9-13-48A★

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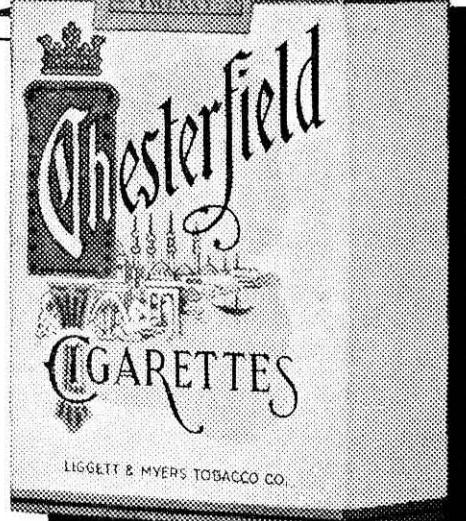
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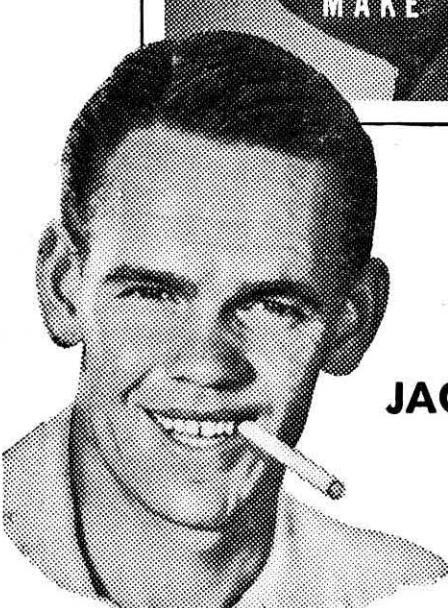
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