

CALIFORNIA TECH

California Institute of Technology

Volume LIV

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No. 28

Tech AFROTC drill team is first in contest at UCLA

Brooks Shoes Trophy will be awarded to Caltech for victory over Occidental College in drill contest

Caltech's AFROTC drill team, led by Cadet Captain John Peyton, walked off with the Southern California Drill Team Trophy at a contest held Saturday at UCLA. The 28-man organization defeated UCLA, Occidental and Loyola. The Caltech drill team was judged best in drill by a committee of civilian members of the Air Force Association. Caltech also won the trophy in last year's contest, and will keep possession until next spring. Winning again in 1954 will entitle Tech to permanent possession. The trophy was donated originally by the Occidental interfraternity council.

Drill contest

The Caltech ROTC unit has also won another award, the Brooks Shoes Trophy, according to Lt. Col. Arthur Small, unit commander. The trophy is awarded annually by the Air Force Association to the winner of a drill contest between Caltech and Occidental. Caltech's entire unit was judged on drill for this contest during the annual federal inspection and parade, held May 11.

Brooks Shoes

The Brooks Shoes Trophy is a pair of bronzed G.I. shoes, donated by Bob Brooks, an officer of the Pasadena area squadron of the A.F.A. They were worn in the Australia-New Guinea area during World War II, and were also worn recently in Korea. Mr. Brooks will present them to the Caltech unit at the annual awards day ceremony June 1.

Medals awarded

A full-dress parade by the AFROTC unit will also be featured at the June 1 program. Medals for individual achievement will be presented to several cadets and the best flight in the unit will receive a trophy.

Caribbean music presented tonight

Beethoven, Gershwin, Chopin—we're all familiar with music by these men in our own culture, but what kind of music is created in more primitive societies? What tunes are on the "hit Parade" in backward areas, such as the Caribbean?

Drum dancing, native religious ritual, and calypso records from the West Indies are features of an illustrated lecture entitled "Drums of the West Indies" to be given tonight at 7:30 in Dabney Lounge by Andrew Pearse.

Mr. Pearse will present the folk music, rhythms, and dance styles typical of the Caribbean. From under those palm trees comes the coolest of music; a blend of Scottish jigs, European tunes, and wierd African melodies. Calypsos, rhythmic jingling creations of these natives, will be especially attractive.

The lecturer, an Englishman, has spoken at Cambridge and throughout the world. Recently he has made studies of native culture in Trinidad, Tobago, and Grenada.

Conger prize won by Ryle; Young second

Tech freshman Bob Ryle is the winner of the 1953 Conger Peace Prize contest held last Thursday. He won \$50 first prize in the public speaking contest with his oration, "The Meaning of Peace." John Young's oration was good for the second prize of \$25, and Marty Roth took third. Young and Roth are also freshmen. Presenting the awards was Miss Barbara Rush, movie actress and former Pasadena Playhouse student. Miss Rush acted as a replacement for Corinne Calvet, movie actress who was scheduled to present the awards but was unable to come.

Other contestants

Other speakers who presented their seven-minute orations were Jim Enright and Ray Orbach. Judges were Professor Linus Pauling, chairman of the chemistry and chemical engineering division, and Professors Harvey Eagleson and John A. Schutz of the humanities division.

Origin of contest

Speeches in the Conger contest were all on the subject of international or industrial peace. The prizes were established in 1912 by the Reverend Everett L. Conger to promote interest in public speaking and the cause of universal peace. Contestants were judged on their ability to express themselves before an audience and on the content of their orations.

The Conger Peace Prize contest is held every year and is open to any Caltech student. Information about next year's contest can be obtained from Professor Lester McCrery in 309 Dabney.

Inverted volcanoes discussed Friday

"Upside-down Volcanos in Mexico" will be discussed by Dr. R. H. Jahns, professor of geology, in this Friday's demonstration lecture, to be given at 7:30 p.m. in 201 Bridge.

In an isolated, rugged area in Sonora, Mexico, are a group of craters, some of which are nearly a mile in diameter. For many years they were believed by geologists to be craters made by meteorites which had reached the earth. However, more recent investigation has led to the belief that they are the collapsed remnants of what were

(Continued on Page 4)

Incoming frosh rated tops; Committee picks class of '57

Junior-Senior prom May 22

The Junior-Senior Prom will be held this Friday evening, May 22, from 9-12:30 in the Blossom Room of the Hollywood Roosevelt Hotel. The hotel is located at 7000 Hollywood Blvd., eight blocks from the end of the Hollywood Freeway.

Arrangements for the event have been made by class president Tom Janssens and John Lloyd. The dance will be formal, corsages are in order. Programs will serve as invitations and souvenirs for the girls. They are available from any junior or senior class officer.

Carroll Wax and his orchestra will supply the music. Refreshments that will be served are punch, cake, and cookies.

Awards assembly

The 1953 awards assembly will be Thursday, May 28. At that time all athletic awards, all honor keys and certificates, the TB Tau Beta Pi outstanding freshman, and all other awards will be made. If you expect one of these, be there! You won't get it until summer if you are absent.

ROOT MEAN SQUARE

By Haenggi

After taking a consensus of the lounge hounds in the Ricketts Lounge we thought of an earth-shaking question for the week. We were going to ask something about Dickie boy or perhaps something about the average Caltech student when McCormick quipped, "Why not find out how many of the troops went out on a date last weekend?" Armed with pencil and paper we sallied forth our question was, "How long has it been since you have been out on a date?"

The results were:

- A. Out last week 57%
- B. Out the week before 18%
- C. Out this term 11%
- D. Out this year 6%
- F. Never been out, out last year etc., 8%

We then figured up the results house by house and discovered the following:

	A	B	C	D	F
Ricketts	69%	14%	14%	1.5%	1.5%
Blacker	60%	12%	12%	4%	12%
Fleming	55%	20%	6%	13%	6%
Dabney	33%	35%	13%	6%	13%

By the theory of Root mean square it is derived that Dabney is out of it and the other houses are really getting it! Profet commented that the results of this poll will probably show better results if taken on another weekend. Reason for this is that Dabney, Fleming and Blacker had big social events last weekend and a few of the snakes who normally would be in their pits were out living it up.

New Techmen very active in athletics, do well on college board examinations

by Jim Short

The present Caltech classes had better not plan to rest on their laurels, or they may find themselves outdone. Next year's freshmen seem to be shaping up as an exceptionally good class, according to Dean Jones, chairman of the Freshman Admission Committee.

Active in sports

There is ample justification for this statement. In the field of sports we find that the future Techmen will more than hold their own. Hotshot basketball and tennis players are in abundance, many having played on state championship teams. One prospective frosh won the New England diving championship. Another Jack Armstrong is an eleven letter man: 3 each in basketball, football, and track, plus two in baseball!

Brains, too

However, don't think that Caltech's finally got around to giving athletic scholarships. These eager beavers apparently have brains as well as muscles. In the College Entrance Examination Board tests given in March, they scored as high as or higher than any other frosh class in Caltech history. Many of them were valedictorians in their high schools. Others were student body or class presidents. A number of excellent debaters (some state champions) will head for Pasadena next fall.

Selection

How did we get this select crop of freshmen? Last week the Freshman Admission Committee finished the work that it had started early this year, "completely fagged out." After the College Board tests have weeded out the less able, the committee goes out from April 10 to May 10

(Continued on Page 2)

Campus Calendar

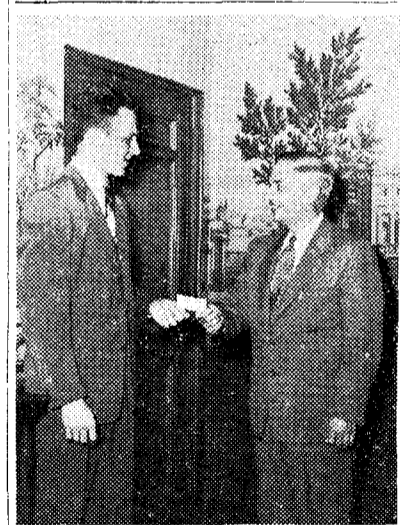
TUESDAY, MAY 19
4:30 Music Theory Class—Dabney
FRIDAY, MAY 22
9:00 All-Conference Golf match at Pomona
7:30 Demonstration Lecture—201B

Debate banquet fetes DuBridge

Dr. L. A. DuBridge is shown being presented by Miles Nesman with an honorary membership in Pi Kappa Delta, national speech fraternity, in recognition of his encouragement of forensics at Caltech, last Thursday at the Caltech forensics team's banquet. This banquet was the culmination of a highly active and successful season in both debate and speech.

This year 25 Techmen took part in more than sixteen competitive speech activities which included the Western Speech Association and national Pi Kappa Delta Conventions; radio and television debates; and a number of regional meets with west coast schools.

Some of the successes scored during the current season in-



clude first place in men's lower division debate at the Tech championship tournament, won by Martin Roth and Bob Ryle; first place cup in men's oral interpretation at UCLA, won by Martin Roth; second place cup in after dinner speaking at Long Beach City College, won by Jim Enright; eight medals for no defeats in debate at the LACC fall practice tourney, won by Jim Short, Tom Bergeman, Jim Enright, Kim Malville, Miles Nesman, Ray Orbach, Martin Roth, and Bob Ryle; and certificates of special distinction at Santa Barbara, won in oral interpretation by Jim Short, Jim Enright, Bob Ryle, and Martin Roth, and in discussion by Bill Lindley and Jim Short. Other

(Continued on Page 3)

Pilkington wins Fullbright prize

Bill Pilkington, grad student in electrical engineering at Tech, is the latest recipient of a Fullbright Scholarship awarded here. The prize is awarded for study abroad under provisions of the Fulbright Act and Pilkington has chosen the Norwegian Institute of Technology in Trondheim, Norway for his year of foreign study.

Bill was graduated from Tech last year and expects to receive his MS this June. As an undergraduate he was a track and cross-country letterman and this year has coached freshman and varsity track. An ex-Blacker man, he is a member of Tau Beta Pi and in 1952 won a student paper contest sponsored by the American Institute of Electrical Engineers.

Before leaving for a summer of work at the University of Oslo prior to the school in Norway, he plans to marry Miss Rosella Becker of Oakland, California.

Gutless

Every Wednesday noon people in the houses and Throop Club find that their respective house presidents and veeps have disappeared. They are, in fact, at an Interhouse Committee meeting discussing business of mutual interest and various degrees of importance.

Unfortunately the committee is "gutless"; theoretically it has power, but when boiled down to fact it is powerless to act on big issues. The Institute's Interhouse Compact on which the IHC is based states that "the Interhouse Committee shall have final authority on all interhouse relations, . . . and shall have power to prevent actions in any single house which are contrary to the best interests of the entire group.

Nebulous

When applied to actual cases these words are really worthless. Two years ago one of the houses was accused of violating "the spirit of frosh rotation" (nebulous statement No. 1) and was fined by majority vote of the committee. The house refused to pay. Theoretically the IHC could force the issue, but with what?

A constitution would help. Even a more specific Interhouse Compact would be a great improvement. But the gentleman's agreement present now should be thrown out in favor of an arrangement where the minority cannot waltz on the majority no matter how unpleasant the circumstances.

In Point

The F-84 incident is another case in point. Everyone was aware that the students in the on-campus houses were responsible and the IHC should have been able to take it from there. They were however, powerless to collect the enormous assessment much less force known participants to pay up. To avert general chaos the IHC and the Board of Directors got together and cooked up an assessment which was approved. The point is that this was done through the constitutional machinery of the ASCIT, and not the IHC. Although the case was a general student problem it was first of all a student house problem and might have been treated as such if the IHC had the necessary power which a formal constitution might grant it.

Writing an interhouse constitution compatible with the traditions and idiosyncrasies of each of the houses would not be easy. It wasn't easy for thirteen states 164 years ago either. But was worth it.

J. C.

Vice President's message

Now that class elections are over, a new Board of Control is in office. Its members are Howard Berg, Lyman Fretwell, Al Helgesson, Vince Marinkovich, Bill Autrey, Bruce Kaiser, John Merrill (Secretary; non-voting), Moose Henderson, and George Johnston (Chairman non-voting).

The Board of Control needs very much the wholehearted cooperation of the student body. This cooperation should take the form not only of a personal respect for the Honor System and a readiness to report observed violations, but of a willingness to talk over with the Board any situation which may be making it difficult for students to receive fair treatment. If, for example, an instructor repeatedly collects test papers slowly so that some people can take extra time at the expense of those who turn in their papers promptly, a consultation with the Board of Control may well produce a solution which will bring the minimum embarrassment to all concerned.

Sample Case

In order to exemplify typical proceedings of the Board of Control, the following case, taken from the records of the Board, is recounted. Names are of course not included.

Mr. N., the instructor in an undergraduate mathematics course, noticed remarkable similarities on home tests turned in by two of his students, Mr. A. and Mr. B. He reported this to the Board of Control, which took the situation under consideration. It was found that Mr. A. and Mr. B. were roommates.

(Continued on Page 4)

Skipped one?

By the time you read this most of you will have already pre-registered. You know the mechanics: you pick up a card, fill it out, shove it under the nose of some specified faculty member, it is signed, and you return it.

We all do this three times a year, and we all do it wrong—we skipped a step! We forgot to stop to talk to our faculty adviser. It takes time and effort, and is an easy thing to leave out, but the most important part of the whole procedure.

Few of us realize until it is too late, that when we graduate, industry and grad school would like to see recommendations from men in the field, not from English teachers. Few of us know the faculty of our option well enough to get anything more than a "he was a nice boy" from them. The school is giving us an excellent chance to know one more man well. Let's take it!

Next time we preregister, let's pause and talk a while, even if about the weather. In three years you may know your man well enough to ask him to recommend you into a much coveted position.



"Sex; what a raw word for such a delightful pastime."
—Rex Harrison in *The Fourposter*.

If it's good enough for the movies its good enough for the Tech.

Rain

Senior ditch day has come, and with some difficulty, passed from the noble confines of Blacker house. The event was keynoted with high spirits and goodwill on the part of the seniors. Typical was sophisticated Stan Wilkes' happy-go-lucky attitude as he smashed in one of the windows to his room (at the house's expense) in true buccaneering fashion rather than attempt the more orthodox method of opening the door (which admittedly would have taken somewhat more time). The Beak was so impressed, in fact, at Stan's cheerfulness as he swept the broken glass out

INCOMING FROSH

(Continued from Page 1)

to interview those who are left. Dean Jones covers the East; Dean Strong heads up to the Pacific Northwest; Professor Owen handles the Mid-West; Professor Niemann ranges through the Southwest; and the rest of the committee concentrates on California. From this group the final selection is made.

California prominent

Although the Mid-West has come up surprisingly in number of applicants admitted, California continues to supply the majority of Tech students. Whereas over 40% of those admitted are from California, about 65% of each freshman class is from this state. The difference is found in the many out-of-state applicants who can't come because they don't get scholarships. As more scholarship funds are set up, it is hoped that many more worthwhile applicants will be able to come to Tech. Nevertheless, next year's frosh ought to be an all-round bunch of eager beavers.

of his room at the passing freshmen, that he feels that Stan should be awarded a year's supply of quinine leaves and cinnamon bark (one carload should do) to help perpetuate this goodnatured attitude!

Won't Hurt

Ironic is the fact that Blacker's symbol of innocence and purity of heart, Les Ernest, who is rumored to have been peevish at the locus of the senior lawn and the condition of the surrounding desert, has been carrying around a verbal shovel ready to unload endless house rules (and compose a few if necessary) upon the mention of a room stacking.

The Rhubarb

The Blacker snide-remarks-on-meal-bills-and-occasionally-waiting society suffered a temporary setback, when Peyton wiped them out by showing his Oxy Pin Recipient the clever remark on the bill they presented to him. Lost ground was quickly recouped upon presentation of a similar bill to Hook who, obviously not having the same sterling attitude, came forth with a gratifying and typical s-----g grin, much to the applause of the 80-odd luncheon guests.

If it's in cans

Pope Enright, slithering deftly into the ditch-day festivities, employed an enviable slight of hand that resulted in transposing a date from the grasp of Senior Lunan and placing her in to the willing hands of J. Ames. This little bit of treachery was so successful, that a public apology was forwarded Lunan at the following lunch (it must be great to have a lot of buddies).

Bull Compounded!

Cheers or chokes or something-or another to Operators (??) B. Wallace and Terry Babe Thomas. These sickly stalwarts signed up not once but twice for the Dabney-Fleming Luau in order to pad the Darbs' rather skimpy list. This proved to be tempting Fate just a wee bit too far,

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Scientists gain in Frosh class

As next year's sophomores chose their options this month chemistry and astronomy increased tremendously in popularity.

Statistics released by the registrar's office show that there will be twice as many astronomers in the class of '56 as in classes of '54 and '55 combined. It appears that Caltech, center of graduate astronomical study, is also building its undergraduate department.

The choices for the chemistry option were also unusually numerous; almost twice as many signed up as there now are in each of the other two classes. A cynical junior was heard to comment, "Wait 'till Swift lab!"

As usual, physicists and ME's are the most numerous, and like always, physics claimed the bright boys; over half of honor section is entering this option.

Here are the figures for next year's classes:

	Seniors	Juniors	Sophs
ME	34	43	32
EE	18	25	22
CE	9	5	8
Chem.	11	13	19
A.Ch.	7	4	14
Phys.	22	43	34
Math	4	10	7
Geo.	5	12	4
Geoph.	2	1	4
Bio.	5	5	3
Ay.	2	1	6

with the result that neither of them showed up for the Saturday festivities and Palynesian Phrolics at Chuck Lehman's palatial pleasure villa (San Marino, yet!) Another last minute casualty was out-of-it Paalman, who not only failed to snare a Pomona lass but couldn't even land a date from the impoverished Playhouse. Sob!

Plain Bull

Where has our taste for the lit of bygone ages gone? John Wall will never replace Homer! Neither, thank God, can he replace the Beak (perish the thought!). It is with pleasure that we see his demise as IHC

(Continued on Page 4)

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MEZZANINE

by Benzadrine

You're a Caltech freshman, and it's a balmy Sunday evening in the spring of 1950. You've been down to your cousin's place for dinner, or perhaps over to Hollywood to visit a buddy in the service—it doesn't really matter. You find yourself walking east on 6th Street in downtown LA, waiting nervously for a stop light to change at every short block, nervous that you might not make the 9:44 for Pasadena.

You've got the schedule memorized—the Short Line cars leave at :14, and the Oak Knolls at :44—lousy service, but what can you do without an automobile? Some enlightened old lady hands you some fundamentalist literature on the street—you hastily glance at it and then stuff it in your pocket.

With quickened steps you walk up the ramp into the spacious but stuffy station—as you get inside you peer through the gloom and breathe a sigh of relief as you spot a group of people around Gate 19—at least you won't have to wait another hour. Hell, you knew you had time to spare all along.

You plonk down your two bits on the counter and a hand shoves out a green ticket at you—then you take a quick glance at your watch and decide you

don't have time to read over the magazines in the well-stocked news stand.

Far over on the north end of the long line of gates, the last door slides back, and a little old man with a comfortable paunch quietly announces, "Pasadena OAK Knoll." You notice how he always emphasizes that second word, funny—once, when you were a newcomer to this place, you remember, you took the Short Line by mistake and ended up lost on the other side of town. But sometimes you take it now just for variety's sake. Oh, well.

You semi-run out into the chilly air and out the long ramp to be the first person in the car—you want to get that seat up front in the smoker—and hope the motorman doesn't pull down the ornate shade to keep the dim reflection out of his eyes.

The big old heavy steel interurban lurches forward, accompanied by two bells from the overhead gong, and No. 1147 rumbles over the elevated structure, passing one of those long new cars on the Santa Ana line, waiting to get onto your sub track. Man, those foam rubber seats inside look comfortable compared to your leather push-over semi-benches, but as the "big red car"—you've heard they actually have solid concrete floors—lurches on, you forget those people going into town and concentrate on the ones in your own car go-

(Continued on Page 6)

LETTERS

Dear Editors:

You are Un-American. As an outstanding American citizen, supporter of American Legion policy, patriot, and exponent of nationalism and capitalism, I find your editorial condemning an honest business man and shrewd financier for showing initiative and willingness to risk capital to provide for the desires of the masses uncalled for, presumptive, and unpatriotic.

Capitalism and free enterprise have proved to be the basis for our great prosperity and high standard of living. Any condemnation of these principles amounts to crass communistic rabble-rousing. I am a personal friend of the person whose reputation and character you have seen fit to doubt. His exploitation of the balloon market is a living example of American inventiveness and genius. I, therefore, demand that you retract any red-tainted propaganda which you have disseminated about the campus and make personal apologies for your slanderous remarks. Furthermore, I demand that you withdraw all support for such pink pacifists as the "Society for More Peace" and declare your support of capitalism, democracy, Americanism, the Chicago Tribune, and McCarthy. Democritus Americus Revolta

Ed. Comment:

Much as we deplore the name calling exemplified by this letter, we print this rabidly fascist document in the belief that our readers will be shocked into action when they see how far things have gone. This lackey of the munitions makers expresses sentiments worthy of Hitler in his heyday. Perhaps there is something to the rumors that Hitler escaped, and we are witnessing the first signs of his renewed attempts to regain power.

Already the situation is more serious than even we thought. Drastic action is necessary. We suggest that a dictator be chosen to carry us thru this time of crisis, and as the only one with the proper qualifications, we humbly offer our services for this odious duty. We would see to the complete liquidation of this viper and his cockroaches. Let us all rally to the cry of Publius K. Publius, with which

DEBATE BANQUET

(Continued from Page 1) successes include the winning of first prize of \$75 by Irwin Rubenstein and of second prize of \$50 by Bill Dibble in the McKinney contest, and winning first prize of \$50 by Bob Ryle and second prize of \$25 by John Young in the Conger Peace Orations Contest.

he aroused his countrymen when his beloved Rome was similarly threatened, "DESISTE HIC FECES."

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VICE-PRESIDENT'S MESSAGE
(Continued from Page 2)

Mr. A. was sworn in by the Board. Following an explanation of the evidence indicating a violation, he was asked whether he had violated the Honor System. He stated that he had not, and was excused temporarily.

Mr. B. was sworn in. After a similar explanation and question, he pleaded guilty to violating the Honor System by copying from his roommate's paper. His excuse was that he had begun the examination the evening before it was due. He knew that he would not be able to finish it in that time, so he copied the paper of his roommate, who was away at the time.

Mr. A. was excused by the Board. Mr. B. was found guilty of violating the Honor System by his own admission and the evidence presented. It was recommended to the deans that he be given an F in the course, and be placed on probation for the rest of his undergraduate days at Caltech.

Finals are coming

Within a few weeks we will be taking final exams once more. Please remember what the Honor System does for us in terms of creating an atmosphere of mutual trust. It's an atmosphere well worth keeping. Let's all do

INVERTED VOLCANO
(Continued from Page 1)

once volcanos.

Dr. Jahns was recently in this area and made a number of slides illustrating his lecture.

our part to keep it.

Very truly yours,
George Johnston
Chairman, Board of Control

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OUTER SPACE

News From Other Schools

The Texas state senate threw Texas A and M into an uproar last month when it passed a resolution to make the school co-educational. It's been all-male for 75 years.

The alumni are also against the move. "It would ruin A & M," said one alum. "It just wouldn't be the same school. The spirit would decline, although the extracurricular activities would be interesting."

Asked by a reporter if the sight of pretty coeds in the Aggie cheering section wouldn't inspire the team, an alum snapped back, "We can yell all right without any ----- girls to lead us."

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PASADENA

College: Dull?

"College," complained Henry W. Wriston, president of Brown University, R. I. "is not only dull but often soporific . . . and most text books are hardly worth reading. If they are not barren of ideas, they are impoverished . . ."

Last month Wriston announced plans to brighten things up at Brown. An experimental curriculum for freshmen and sophomores will be launched next year. It will not use textbooks. They will spend their time "tracking down ideas."

"The emphasis will be upon discussion, not lecturing," said a university official; "on analyzing, not memorizing . . ." The experiment will be open only to volunteers from the top half of freshmen and sophomore classes

But it works here

The Sophian, Smith College, Mass., made a thorough investigation of the school's honor system last month and found that it has one big loophole;

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Few students care to tattle on their friends.

About two-thirds of the students polled thought it was better to talk things over with a violator of the honor system than to report her.

" . . . When something is in a system, such as double reporting, it undermines the whole thing." The Sophian advocated the dropping of the "tattle" system and the encouraging of students to report themselves voluntarily.

Who's got 50 bucks

Who should foot the bill for damage done in a panty raid last spring is the question at Springfield College, Mass. The bill is \$50.

The student council president says his group doesn't want any part of it, since it is not responsible for the actions of individual students. He says the girls' fluttering of their undies down from the windows was not "done in an effort to ward off attackers."

Higher education

This one comes from The Cavalier Daily, University of Virginia: "The nice thing about a college education is that it enables us to worry about things all over the world."

BREWINS

(Continued from Page 2)

secty. But back to the main plot. It seems that Theatre Partygoers Zentner, Gillingham, et femmes returned from Dabney's evening of corruption at Mr. Roberts only to cluster about the bulletin board and conclude that Mr. Wall is by far the more risqué of the two.

Tears for T. Thomas. Senior Ditch Day's on campus activities placed him and his gear in the Powder Room, and vice versa. After a week in real comfort (large closet, private plumbing, etc. (oh, that CRAZY etc!)) he has received the word from B&G that this situation is in violation of natural law.

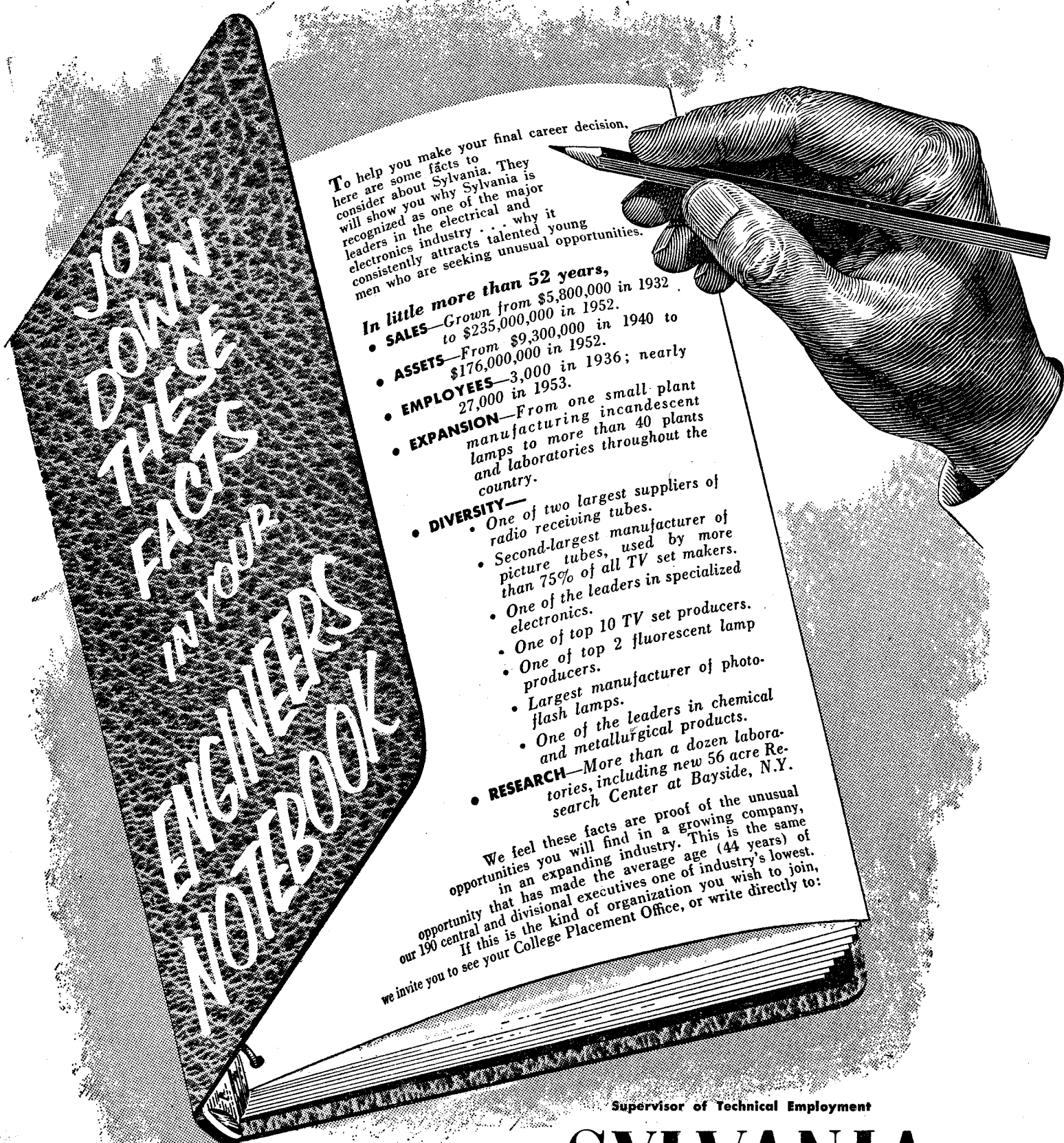
Gehapp

Fleming underclassmen showed what intelligence they had on senior ditch day by letting the seniors fake themselves out. Other houses used brute force to ruin the seniors, but the Phlegms let them hang themselves by remaining entirely aloof from the proceedings, to the great surprise of everyone. By midnight before ditch day many of the seniors had bolted, wired, pinned, jammed and triple stacked their rooms, leaving it to the ingenuity of the sophs to find a way in for them, and by five a.m. even Budd LeTourneau had gone. Rushing back early from a scorching sun on the beach to see how the rooms were, the seniors were shocked to find rooms stacked no more or less than when they left.

Liquid

It has come to our attention that Rodney "Women are evil" Supple is again in full operation. He was confronted with the unusual situation of a beauteous young maiden asking him to take her to a dance. Panicking completely he explained that he

(Continued on Page 6)



JOIN DOWN THESE FACTS IN YOUR ENGINEERS NOTEBOOK

To help you make your final career decision, here are some facts to consider about Sylvania. They will show you why Sylvania is recognized as one of the major leaders in the electrical and electronics industry . . . why it consistently attracts talented young men who are seeking unusual opportunities.

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- **ASSETS**—From \$9,300,000 in 1940 to \$176,000,000 in 1952.
- **EMPLOYEES**—3,000 in 1936; nearly 27,000 in 1953.
- **EXPANSION**—From one small plant manufacturing incandescent lamps to more than 40 plants and laboratories throughout the country.
- **DIVERSITY**—
 - One of two largest suppliers of radio receiving tubes.
 - Second-largest manufacturer of picture tubes, used by more than 75% of all TV set makers.
 - One of the leaders in specialized electronics.
 - One of top 10 TV set producers.
 - One of top 2 fluorescent lamp producers.
 - Largest manufacturer of photo-flash lamps.
 - One of the leaders in chemical and metallurgical products.
- **RESEARCH**—More than a dozen laboratories, including new 56 acre Research Center at Bayside, N.Y.

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Nines lose heartbreakers

Errors hurt; Winslow shines

Tech played better ball than they have all season as they lost a six to four thriller to Oxy last Saturday. It was the last game of the season, giving Oxy a tie with Redlands and Whittier for first place in the conference and Caltech a tie with Pomona for last place.

For the first five and one-half innings Oxy was unable to score. Tech dominated the game, pushing over four runs, three of them on perfectly executed squeeze plays. Then, in the bottom of the sixth, three Caltech errors proved to be costly as they allowed Oxy to score the two runs that were the eventual margin of victory for the Tigers.

Winslow was in top form, allowing only three hits up until the fatal eighth inning, while Garrison and Sauer pleased the fans with impossible catches in the outfield. Willens chalked up the best hit of the day with a line drive triple to center field and Walker was generally helpful as he slugged out two singles, scored a run, and batted one in.

Caltech000 211 000 4 6 4
Occidental000 002 04x 6 8 2

WAGGIN' WHEELS

by John Dresser
Testing the MG

The MG is probably the most familiar of all the foreign automobiles in the United States. It is considered by many to be the typical sports car.

MG is the abbreviation for Morris Garages, the name of an English firm which also manufactures the Morris Minor and the Riley. The most popular models of the MG are the TC, the TD and the Mark II. Although the TC is no longer produced, it is still very much in demand because it is more sporty than the newer models. It has 19 inch wheels and narrower fenders than the TD. The 4-cylinder OHV engine produces 54.4 brake horsepower.

Rugged Engine

The TD has essentially the same engine as the TC. The whole body is somewhat Americanized, which results in less noise but more weight. Its four-speed synchromesh transmission has lower gear ratios than the TC. The TD's wheels are smaller and are made of aluminum discs rather than spokes.

The engine is a small, but rugged, piece of equipment. It may easily be hopped up to produce over 90 BHP, at the factory if desired. In fact, the Mark II is a TD with a souped engine.

The car handles beautifully within its speed range. Its cornering is exceptional, but its acceleration from a stop is not so hot. With down-shifting, however, it can hold its own in traffic or on a mountain road. The ride is rough, but one expects that in a sports car be-

Frosh second, Conley homers

David Tansey

The frosh baseball team lost a heartbreaker to Oxy last Saturday in Tournament Park. The final score was 5-4 with Tech coming within a hairbreadth of tying the game in the eighth inning. The loss put the Orange and White in a second place tie with Pomona, the best final standing of a frosh baseball team in years.

Rally short

The little Beavers fought hard to overcome a four run lead held by Oxy in the fifth inning, but could not quite pull the game out of the fire. Doubles by Ken Laws and Ray Weymann, a triple by Dan Chilton and Phil Conley's home run kept C.I.T. sparking and helped them out-hit the Tigers, although they just fell short in the run department.

Weymann captain

Weymann was elected team captain in view of his brilliant record. He led the team in hitting and fielding while winding up the season with a five and three record as a pitcher. Big Ray struck out 94 men in 59 innings, an average of 14.5 "K's" per game.

Oxy000 320 000 5 7 3
Caltech100 002 100 4 8 3

cause smooth riding and smooth cornering do not go together. The top speed is slightly above 70.

The engine is inclined to have valve noise. It is helpful to know how to do minor maintenance such as adjusting the tappet clearances and the instruction booklet in every car gives this necessary information.

Economy

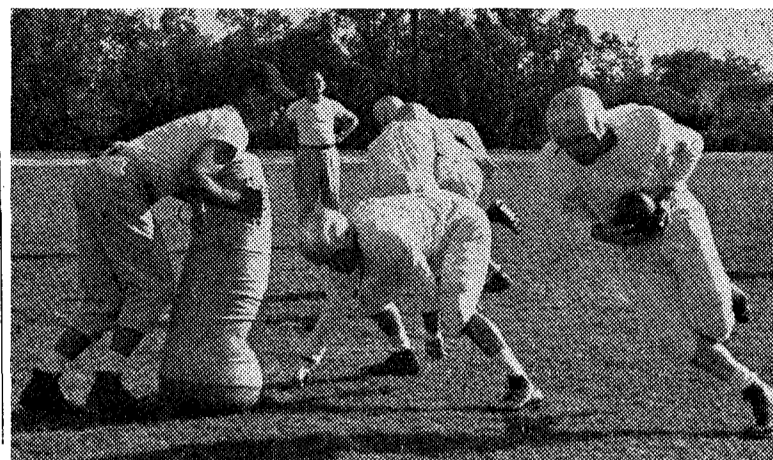
The delivery price on the West Coast is about \$2200 for the TD. The Mark II costs \$200 more. Fiberglass and Carson tops are available from private manufacturers for about \$300 and \$200, respectively. The MG gives one excellent gas economy and spare parts for it are readily obtainable. All in all, it is a dependable car which is capable of getting two people rapidly around town.

PLAY READING

The Caltech Woman's Club play reading group will read Kingsley's "Darkness at Noon." The time is Wednesday, May 27, at 8:30. The place is the home of Dr. Robert Bacher. Anyone wishing to attend should call Mrs. Bacher in advance.



Action on the Gridiron



LaBrucherie surveys spring practice as Kaiser hands off to Takido

Golfers take second spot

Red Hill medal play tourney ends season

Tomorrow morning at 8:30 the Caltech golf team will be on the tee at the Redhill Club and for the rest of the day will be trying to upset the heavily favored Pomona team in the 36 hole medal play tournament. Tech's hope for a conference champion rests on the shoulders of Paul Farley and Don Turcotte who have been consistently under 80 this year and with a little luck could cut off the three or four strokes necessary for a win.

In a match played last Friday at Brookside, Seniors Chuck Davies and Ed Daw came through to win ten big points as Tech edged Whittier 19 to 17. This win gives Tech a second place finish in the standings behind the undefeated Sagehens. Whittier played inspired golf as three of their men broke 80 but the Beavers' greater depth was too much for them.

Netters fare as expected

Caltech fared as was expected last weekend in the SCIC tennis tournament by going as far as they were seeded. Redlands won the team honors in both the frosh and varsity brackets. Bunny Gillette of the Bulldogs scored an upset victory in the singles as top-seeded Jose Cortez was eliminated in the early round, is a member of the Nation-won the singles by beating the man who defeated Tech's Barnes. Mauldin teamed up with Webster to nose out Barnes and Ball 6-4, 6-1 in the finals. Cortez and Blair of Pomona broke up the monopoly of Redlands to win the varsity doubles. Ward and Moody were beaten by Boas-Gillette 6-2, 6-2 in the semi-finals.

Scott finals today

One thing is sure, however, and that is that a Techman will win two important tournaments this week. Those are the Scott and Novice tourneys both of which will come to an end this Thursday at 4 pm.

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Tidbits by Turcotte

With the results in from virtually all the year's sports the outlook appears brighter but a long road of improvement lies ahead. Although the standings are an important indication of this improvement, especially the frosh standings, they are not the only indication. Probably even more important is the mental attitude of the participants. No longer is the school saying "We don't win games but we sure build character," instead the athletes are out to win games. One of the most important examples of this change is the new attitude apparent in spring football practice.

Frosh results great

The frosh standings are especially encouraging with a reasonably good showing in almost every sport. In particular the football and baseball teams came through to reverse past tradition. The basketball and golf teams made the best showings in the varsity field and with most lettermen from both teams returning improvement again is indicated.

Attendance

There is one field in which great improvement can be made, and with very little effort. Although the attendance was better this year than in the past there is a tremendous amount of room for improvement. It is a pretty sad situation when not even the cheer leaders make it to a football game until the first half is over and the total number of rooters can be counted on your fingers and toes. Remember the Cal Poly game?

Congratulations

Congratulations to all you lettermen who came out despite grades, ROTC., and all the other deterrents to sports at this school.

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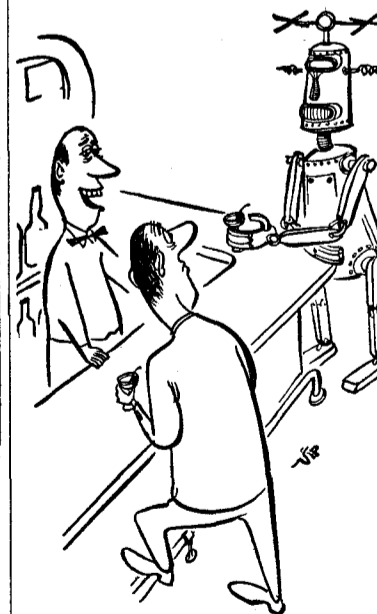
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THE SPACE BEAVER

By WALT LEE

Howard Browne's semi-slick magazine *Fantastic* is soon to have its cover format completely revised. From now on *Amazing Stories* is going to avoid the use of nudes on its covers. A more close-nit science fiction type illustration will be used both on the cover and for the inside artwork.

Christopher Crumpet

A new cartoon about a little boy who wants a rocket ship will soon be seen in local theaters. It's UPA's *Christopher Crumpet*, and it's the work of T. Hee and Robert Cannon, two top men in the animation field.

Aldous Huxley has said that animation is the best medium for stories of fantasy. UPA's recent work is certainly showing this to be true.

Startling Bimonthly

Sam Mines' *Startling Stories*, now monthly, will go bimonthly with its June issue. There will be no July issue. It is hoped by the editor and publisher that this decrease in publication will be for only a short time and that *SS* will be able to go monthly again in the Fall.

Editor Mines says he was forced to go bimonthly by a lack of good science fiction. There are a good many magazines on the stands who don't let this fact stand in the way of publication.

MEZZANINE

(Continued from Page 3)

ing over to Pasadena at this late hour.

You light up a sample Camel, and turn around to get a full view of the car, semi-modernized, but still with many vestiges of its age. The conductor has just started to collect the tickets and fares—he doesn't make much progress, for he has to go back to the rear end at every block—apparently to look for passengers, for the car isn't a third full.

But now you're leaving street running, and the car picks up speed as it passes the yards and races along beside the new freeway. It looks sort of funny the way there are modernistic concrete bridges over the freeway connected to rickety wooden structures over the yards—your

headlight only accentuates the effect.

And now you feel those motors under the car really gulping that 600 volts as it charges up and over a series of bare hills out in the open country, and the deep-throated air whistle lets out its familiar "Bromo-Seltzer" call as the car whishes over an unprotected country grade crossing. The clickety-clackety-click of the wheels and the plaintive whine of the motors have a sleep-inducing effect, and the last thing you remember is passing by one of the little local cars stopped at a waiting shed in the middle of nowhere.

But the headlight of an oncoming car wakes you up into a semidaze as you turn off the main line and work your way up the steep grade towards the Hunt-

ington Hotel, that softly lit structure on the hill above. You think—yesterday's *Times* said that they were trying to put here—it's sort of hard to comprehend. You've only been in Pasadena for something like seven months now, but the handsome red interurbans, alone and in trains of two, slowly rolling along crowded Colorado Street and Lake Avenue, along the peaceful tree-lined curves of Oak Knoll Avenue, seem to you like a timeless part of the community.

Suddenly you jump to your feet and scramble to the back of the car as it pulls out from behind a block of mansions and onto the pavement of Lake Avenue. You hang out from the stairs over the pavement as the car rumbles along the rough rails, and as it slows down in front of the Caltech Pharmacy, you jump and hit the pavement running.

But you don't keep running. The car screeches to a stop, gives two rings on its overhead bell, and rolls on into town. All you see are two red lights above the rear windows and two white glows down by the stairs. And all you hear is the whine of motors in the distance, slowly fading. You slowly turn away and sleepily start the quiet walk home.

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THE DU PONT DIGEST

DU PONT SCIENCE AND ENGINEERING GRADUATES MEET THE PUBLIC IN

Technical Sales

More and more, industry is on the lookout for technically trained men and science majors who have an interest in and aptitude for selling. A number of departments at Du Pont prefer men with such training for sales positions. A technical understanding of the properties of a substance helps a man do a better selling job—and offers the customer better service.

Because of the diverse applications of Du Pont's many products, there is a need for sales representatives with widely varying technical backgrounds. There are problems involving chemistry and many types of engineering in such fields as plastics, ceramics, textiles and many others.

Technical men may work in direct sales, sales service, or sales development groups, depending on depart-



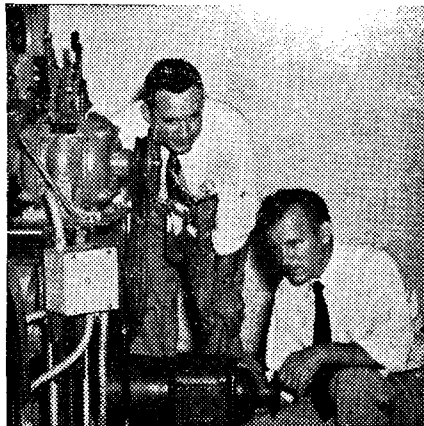
Ivan R. Smith, B.S. in Ch. E., Kansas State University '40 (right), advises the operator of a galvanizing machine on the efficient use of a Du Pont flux.

mental organization. In some cases technical men handle all phases of selling. In others they deal mainly with customer problems. Some departments also maintain a sales development section that works on technical problems connected with the introduction of a new product or a new application for an established one.

Here are examples of the kind of problems attacked by technical men in Du Pont sales groups:

1. Find a more economical way to apply sodium silicate used in making corrugated paperboard. Du Pont men, as in many other instances, were able to make substantial savings for the customer.

2. Introduce fabrics of "Orlon" acrylic fiber for use in dust filtration. This



James A. Newman, B. S. in Ch. E., North Carolina State '40, discusses study of optimum settings and conditions for carding nylon staple with Prof. J. F. Bogdan of North Carolina State's Research Division.

involved evaluation and modification of filter fabrics in cooperation with makers of dust-control equipment, and with plant personnel having serious dust-recovery problems.

3. Reduce the time needed for processing motion-picture film used by race tracks. Technical service men carried the problem to a research group which developed an emulsion that could be processed in about one-third the former time.

Technical men interested in sales work at Du Pont usually acquire needed background in a laboratory or manufacturing plant. Depending on their interest and abilities, they may then move into technical sales service, sales development, or direct sales.

In any of these fields, the man with the right combination of sales ability and technical knowledge will find not only interesting work but exceptional opportunities for growth in the Company.

College graduates with many types of technical training find opportunities at Du Pont. Write for your copy of "The Du Pont Company and the College Graduate." Address: E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington, Delaware.



BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

Entertaining, Informative— See "Cavalcade of America" on Television

BREWINS

(Continued from Page 4)

could not escort her to said dance because he had a previous date with a cresspool. The young maiden, completely flushed by this ungentlemanly treatment, sought higher levels of moral stamina and fortitude and referred her problems to that pillar of masculinity, Don "Women are good" Roberts.

Seeks

Two less ingenious belles of this locality, finding that they had no way to while away a dull Saturday night, called upon the Jeff Tucker Lonely Hearts and Stud Service. Jeffry, accompanied by a fifth of his best friend, proceeded to come to their rescue. Only comment: "It was good bourbon."

Its Own

Walter Eager, the Ricketts House paper boy, is having a little trouble peddling his 1500 pounds of third-hand magazines. These magazines were presented to him on senior ditch day by his thoughtful undergraduate friends as a token of their esteem. After miserably failing to cremate them in the world famous "Millikan's Pot," Walter shoved them out into the hall, thereby successfully clearing his room and alienating 90 people. Used papers anyone?

Level

Dave "Where are all the women in the world" Workman found quite a few of them rolled up in one package last Friday night. He appeared on the horizon at the barn dance with a fast fading bottle in one hand and a very mellow edition of Florence Nightingale in the other.

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Edgar G. Boyce, Ashland State (right), helps a customer improve his method of applying silicate adhesive in the manufacture of corrugated boxboard.