Frosh option deadline near

Freshman option meetings in two important subjects will be held Thursday, April 23. The physics and mechanical engineering departments will hold informative meetings for the frosh.

Physics

Professors V. Nebber and R. E. Leighton will discuss the physics option at a meeting at 3:15 p.m. in 155 Arns. They will furnish information and answer questions about a career in physics.

Mechanical Engineering

Professors Rolf Sabersky and Willard Varney, who are the consultants for the mechanical engineering option, will discuss their field in 206 Dalney on the 13th. Interested frosh are invited to attend this meeting.

Due May 1

Freshman are reminded by the Administration that the May 1 deadline is approaching for choosing options. Pre-registration cards, with the signature of the consultant for the option selected, must be returned to the registrar's office by May 1.
Smoke signals — of phones?

The ringing of student house phones so they can be used illegally must stop. The telephone company provides a service which house residents are obligated to pay for according to company rules. Morally that should be the end of it. However, there are many students who feel that the $1.50 per term phone charge is robbery. Some doctor up the phones and rationalize that the $1.50 will take care of the coins they didn’t put in the box. It DOESN'T. Obviously there is no excuse at all for those who put pennies into doctored phones and make $10 calls. That is robbery!

It is certainly true that everyone understands that the present phone system is the best available for the money. There are 39 semi-public and two public phones in the houses. The company is guaranteed $7.50 per phone per month from local calls alone. When taxes and the rental fee are added (total $2.50), the company must find $9.72 in local call revenue in each coin box per month before the Institute breaks even. All coin and telegraph boxes are extra, and do not count towards the guaranteed $7.50 a month. In addition there is a $3.00 per year charge for disconnecting the phones over the summer.

Usually Technom in the houses do not put the guaranteed $2.44 a day into each phone. The difference is made up by the $1.50 per term that house residents pay. In 1951-1952 this difference plus taxes and rental fees amounted to $1770. If there has been cheating, there is just that much more for everyone to make up.

It would be possible to have public phones only. But the company would only install twenty of them which means only one phone for every two alleys. At certain times of the day this means inconvenient crowding and disturbing those near the phones. Moreover, although the public phones would require coins only, none of them would be listed in the directory as they are now under the semi-public classification.

Other combinations are not feasible. The telephone company will not install one private phone per alley because only the subscriber is supposed to use the phone. A central switching-board, involving high initial cost, would run $15 per man per year excluding installation and long distance calls.

"Fly Buzz!"

"Don’t Go Out-Of-Sight!"

HISTORY OF THE CALIFORNIA TOWER

M. Brown that to. retire for spiritual, physical, and chemical reversion “Excelsior!” under his direction when he discovered she was going down with all flags flying, Ratney while sailing Tournament Park to the Great White Wall. So would we.

Guardsmen of the same degree

All signs point to a big year on campus for Arrow Gordon Dover—neat, button-down Oxford so many young men prefer. Available at all Arrow dealers.

Arrow Gordon Dover Seen As Campus Favorite For ’53

Buttom-Down Oxford Classic — Overwhelming Favorite Of College Crowd

All signs point to a big year on campus for Arrow Gordon Dover—the neat, button-down Oxford so many young men prefer. Available at all Arrow dealers.
MEZZANINE by Benzdorine

"Humor in a Jugular Vein" is the subtitle of a new comic book which has rapidly joined "Pogo" in the ranks of comics for the intellectual, and in the estimation of many was superior in its first four issues.

Tales
"Tales Calculated to Drive You MAD!" is the combined efforts of four great cartoonists and satirists—Elder, Wood, Davis, and Severin—each of whom does one set of panels per issue satirizing some well-known radio show, comic strip, or other popular art form.

Melvin
In the first issue of this bi-monthly, which is true MAD presentation, one can find four issues for 75 cents, each character in one strip was named MELVIN, including each of the cartoonists in their sign. In various issues, Tzun has been named Melvin, a science-fiction future human was named Melvin, and also a character in a pseudo-Western who is killed before the plot even begins.

Flavored
Published by Educational Comics, this goes under the alias of "Entertaining Comics" in New York, all the panels have a definite New York flavor about them which can be appreciated only by one who is acquainted with the big town.

The most recent issue, Number 5, unfortunately fell below the standards set by its four predecessors by only a magnificant interview with the publisher, O. "Melvin" Kommody or-other, which lightly quoted him as being a confirmed misanthropist, a lover of public symbols (Shades of Ted Pollit) and a 64-time divorcée.

Perhaps it is impossible to continue the great work which did appear in the first issues of MAD—if so, then those early master-takes on "Meet Miss Sunday" cars and the use of various Yiddish expressions which are colloquial in the East will add a certain flavor to the strip which is by nature geographical in its appeal, but the detailed art work and amazingly effective

FLAVORED

A GROWING FIELD

Instrumentation
Modern manufacturing trends at Du Pont bring ever-increasing opportunities for technical men

Do you think of instrumentation as applying only to work in electricity and electronics? Or would you also include problems in chemical processing, materials of construction, and maintenance— as well as chemical and hydraulic—for measurement and control systems?

At Du Pont, instrumentation is applied to widely diverse areas of manufacturing operations. It calls for many different technical backgrounds. In a typical instrument group there may be men whose formal training has been in chemical, electrical or metallurgical engineering, or in physics, etc.

Instrumentation is becoming more and more important in the chemical industry. In fact, many of today's processes and products would not be possible without modern measurement and control systems. The trend toward continuous processes means challenging and constantly increasing opportunities for instrumentation men.

Du Pont's instrument program includes research, development, design, and supervising installation of process control equipment. Some of the work is done in the central Engineering Department at Wilmington. However, most of the, developments in the country now have their own organized instrument groups.

So you may visualize the scope and diversity of the work, here are examples of men recently developed and designed by Du Pont technical men:

1. A device to measure flow of approximately 20,000 lbs. per hour of gas at more than 10,000 p.s.i. To give 1.2% accuracy and be responsive to flow changes of five cycles per second.

2. A device to monitor continuously 1200 similar temperatures. Equipment to record temperature and sound alarm at a deviation of 1°C, from desired point.

3. An automatic control system to maintain a predetermined pressure-temperature relation in a large batch autoclave during spontaneous reaction between two chemicals.

Thus it can be seen that Du Pont instrumentation is limited to a single avenue of engineering. Men with aptitude for the work get experience in many phases of the Company's technical activities—and an excellent background for positions in management and administration.

ASK FOR "Chemical Engineers at Du Pont."
New Illustrated booklet describes instrumentation, training, and pathways of promotion. Just mail post card to E. I. du Pont de Nemours & Co. (Inc.), 232 N. Market Street, Wilmington, Delaware.
ARE YOU TOUGH ENOUGH FOR THIS JOB?

If you can make the grade the U.S. Air Force will award you a commission, your wings and pay you over $5,000 a year!

CAN YOU "take it" 6 days a week? For 52 weeks? Can you meet the high standards required to be an Aviation Cadet? If you can—then here's a man-size opportunity! An opportunity to serve your country and build a personal career that will fit you for responsible positions both in military and commercial aviation.

It won't be easy! Training discipline for Aviation Cadets is rigid. You'll work hard, study hard, play hard—especially for the first few weeks. But when it's over, you'll be a pro—with a career ahead of you that will take you as far as you want to go. You graduate as a 2nd Lieutenant in the Air Force, with pay of $5,300.00 a year. And this is only the beginning.

You are eligible to enter the U.S. Air Force if you are a high school graduate or will graduate by June 30 this year. Your opportunities for advancement are unlimited.

ARE YOU ELIGIBLE?

To qualify as an Aviation Cadet, you must have completed at least two years of college. This is a minimum requirement—it's best if you stay in school and graduate. In addition, you must be between 19 and 26½ years, unmarried, and in good physical condition.

YOU CAN CHOOSE BETWEEN PILOT OR AIRCRAFT OBSERVER

If you choose to be an Aircraft Observer, your training will be in Navigation, Bombardment, Radar Operation or Aircraft Performance Engineering.

New Aviation Cadet Training Classes Begin Every Few Weeks!

HERE'S WHAT TO DO:

1. Take a transcript of your college credits and a copy of your birth certificate to your nearest Air Force Base or Recruiting Station. Fill out the application and give your application to the Air Force Recruiting Station.
2. If application is accepted, the Air Force will arrange for you to take a physical examination.
3. Next, you will be given a written and manual aptitude test.
4. If you pass your physical and other tests, you will be scheduled for an Aviation Cadet Training Class. The Selective Service Act allows you a four-month deferment while waiting class assignment.

Where to get more details: Visit your nearest Air Force Base or Air Force Recruiting Officer.

OR WRITE TO: AVIATION CADET HEADQUARTERS, U.S. AIR FORCE, WASHINGTON 25, D.C.

Thursday, April 16, 1953

Grads forum program rolls

Attractions at the Graduate-Faculty Luncheon Forum for third term were announced this week. Programs include surveys of foreign countries and domestic problems.

April 17: Mr. Pierre Leroque, "France's Search for Political Stability."
April 22: Jacob Chaitkin, "Recent Developments in Russia.
April 29: Robert Monroe, "The Status of Academic Freedom."
May 6: Dr. Howard Thanman, "Religion in Modern Life."
May 13: Raymond Untereiner, "The Problem of the Freshman in the Freshman Year."
May 20: Dr. Edgar Warren, "The Outlook of Labor-Management Relations Under the New Administration."

Crosby gains worker's reins

The Institute, that campus work detail chose Jim Crosby president in an election held last week. The club was formed primarily as a service group, doing assorted tasks for the student body; decorating for dances, working track meets, etc. In May they will serve as campus guides when the California Scholarship Fund on the campus.

Chosen as house chairman for the Instituters also last week were Chek Beuf in Blacker, Bill Kelly in Blacker, Jim Lloyd in Throp with Fleming and Dabney yet to elect a house leader.

LETTERS

(Continued from Page 2) From One Editor to Another

At the Institute we pride ourselves on free elections, unchallenged by political machines and Huey Long tactics. Our reason for pride took a deep drop last Thursday when the Instituters elected their new president. All looked well for a clean election until the new Huey moved in, complete with forty gunslingers. With his hound dogs guarding the door against a rush by the tiresome public, he was swept into office.

Needless to say we the students are the losers for we have let control of the working masses fall into the hands of incompetent, corrupt leadership. We cannot doubt the leadership of the new president for he has demonstrated full ability as a gang leader. We doubt that the students will benefit much from the work promised by more than half his house.

Needless to say there were eleven stout hearts who tried to stem the tide with their vote for virtue-Kelly. Attending: 42 from Blacker, 11 from Ricketts, 3 from Throp, 0 from Dabney, 0 from Fleming.

From the other editor to the editor:

I refer you to the minutes of the first IHC meeting for the care and handling of railroads.

Tastes for Spaghetti, Prune and Raisins

For Reservation Phone 17, 3-1140
5 p.m.-Closed Monday-4 a.m.
Frosh grab 2nd in SCIC

Varsity near records

Tech's tholidea looked the best they have all season but lost to Whitimer's potent track team last Saturday. Tech scored a total of 30 points. Potos racked up sweeps in every middle and long distance event to cop 34 of their points. Cal dominated most of the other events.

Tyler nears record

The leading performance of the day was Jim Tyler's 22nd jump which tied 3 with the leader and is a new record. He's a member of the Cal track team, and the best he has done this year. He's got a lot of speed and he's a good jumper and has the speed to go with it. He's got a lot of potential and is one of the top three jumpers in the country.

Luis stars

Standout performances were those of Luis, who appeared fantastic as he scored the most difficult tricks in the blocks. He was defeated by the leader and finished second in the high jump. Another good toss was the discus at 230'7".

Athlete of the week

by Whitaker

The Caltech pitching staff consists of one man this year, John Winslow. Fortunately for him, he's good and has had a lot of experience. John is right-handed and is one of the top three. He's got a lot of potential and is one of the top three jumpers in the country.

Frosh beat Poly

The Caltech frosh tennis team knocked off the Cal Poly one in 5-0 fashion. The only close match was the first singles. John won the second set easily and held the third set.

Netmen win

John Lamb's netmen took advantage of a faltering Poly team and won 3-0. The highlight of the match was the second singles match where John won 6-0, 6-0. The Poly team is struggling this year and has lost many of its top players.

J. Paul Sheedy

Switched to Wildroot Cream-Oil

Because He Flunked The Finger-Nail Test

"LISTEN, BIRD-BRAIN, don't get soar, but I cooed never love you," said Sheedy's little chickadee. "Your hair's strictly for the birds! Better remember the tree and pluck your own!" said Paul.

"Okay, I'll try," said Sheedy. "I'll use Wildroot Cream-Oil as the rest of the team does," he said.野根奶油,美国最受欢迎的发油。含有羊毛脂。"
Dabney library has new books

Two months ago an editorial was written in this paper by Ron Battey, questioning the lack of contemporary reading in the Caltech libraries. Many undergraduates agreed strongly with this, and, indeed, Dick Lawrence further went into the matter in a "Letter to the Editors." Action has now been taken on this, and, as a result, twenty-seven new modern works are on the shelves in the Humanities library in Dabney.

Dr. Hallet Smith, who, as chairman of the Humanities Department has charge of the spending of the three-year-old grant from the Carnegie Corporation (which has been used in the past for such things as magazines for the Public Affairs room) has appropriated around $100 for this cause. Lydia Lyman, librarian of the Humanities Library, picked the books, mostly novels, from this winter's crop of best-sellers.

Moving rapidly

The books have been in use at the library since the week of March second and have been moving rapidly. They are now on prominent display just within the doors; then later they will be moved to their own shelf in the rear wall of the side room. These books may be borrowed for a week, but in order to facilitate their widespread circulation, they may not be renewed.

New titles

The books themselves are good and, encompassing a wide range of subject material, will appeal to many undergraduates. For and away the fastest circulating books have been two accounts of marina life, The Sea Around Us and Under the Sea, both by Rachel Carson, and two novels: Dutton's A Dog Hound, a clever French satire re-volving around a man who has the face of a bloodhound, and The Silver Chalice—which by Captain, also among the novels are found: Edna Ferber's tale of Fabulous Tares, Gustave Flaubert's Madame Bovary, John Steinbeck's East of Eden, and William Faulkner's The Invisible Man, and a dozen others. Several other factual books are also included, from a biography of Winston Churchill to an autobiography of Tullah Bunkhead.

Future plans

Even though undervalued, there has been an average of six or seven books checked out daily during these past six weeks. These books have been purchased for the undergraduates and may be borrowed only by them. If the response toward these is strong enough, this may become a periodic event and more books may be added to this shelf as they are published.

Requests welcome

Remember, these books are for you, you have only to read them. The present, Mr. Lyman is enough encouraged by the response so far to ask for the suggestions for more books. If you have been reading certain books, why not, then, your choice has come to get them. If you have read everything there is to read, you, too, are in the right way. Your request has been granted pow to it in your hands.

BAADE

(Continued from Page 1)

The range of the Palomar telescope is at present the limit of the observable universe. The new discovery approximately doubles the estimate of this range. It is now thought to be about 2,000 million light years, with one light year equal to 6 million miles. The distance from this galaxy to the Andromeda nebula, one of the nearest to us, has doubled to about 1½ million light years. The light age of the universe now stands at about 4 billion years. This figure agrees more closely than did one of the physicist's estimate, which is based on decay of radioactive elements.

Experts confirm

Dr. Baade first reported his discovery last September at the meeting of the International Astronomical Union in Brazil. A South African astronomer, D. A. Thackeray of the Radcliffe Observatory in Pretoria, has confirmed the discovery by his own observations. Dr. Henry Min- courte, director of the French Institute of Astrophysics, has also offered confirmation.

BREWS

(Continued from Page 4)

with the exception of one-eyed Jacks and survivors of the Alamo (Continued from Page 5)

On His What (?)

Bill Spence, lust for the prestige of being a Cardinal (or is it just the class of people you meet?) induced Peter Enright, who was feeling no pain at the time, to sign a paper assuring 'Spence of an ecclesiastical position in the new church (and he's not even engaged). Since Enright is obviously on his horser this matter, the flesh advises that R. S. can use the other side for scratch paper.

Interhouse Sprint—
The Freshmen phone-number carton came through and displayed its fruits at Friday's exchange with the Oxy coaching section (from the song of the same thought)—most of Caltech turned out for the event, predominant was Blacker's social following in his house. Norwester was Darby Purves' comment upon catching said party. "I thought that this was Blacker" (so did I).

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