55 Techmen on gas run; Destination is Sun Valley

Kyropoulos announces best observer prizes, Four-state trip will last 3 days from Sunday

Caltech will send 55 student observers on the 1953 Mobilgas Economy Run, Dr. Peter Kyropoulos has announced. Dr. Kyropoulos, Associate Professor of mechanical engineering, who is in charge of student observers, will also go on the run.

Start in L. A.

Observers are to report at 9:15 Sunday evening, April 19, for the three-day run to Sun Valley, Idaho. It will start fro mthe General Petroleum Ga-◆

rage, at Eighth and Flower in Los Angeles.

Route

Drivers will go through Fresno, Merced, Stockton, Sutter astro error Creek and Placerville, California, before crossing the border into Nevada. Check points in Nevada at Palomar will be at Lake Tahoe, Carson City, Reno and Winnemucca. Cars will then go through Jordan Valley, Oregon, Boise and Twin Falls, Idaho, to the finish at Sun Valley. Total length of the route is 1206.1 miles.

Get jackets

Observers will be paid \$50 for the trip, and have been awarded yellow observer jackets as well. All expenses are paid by the General Petroleum Corporation.

Will keep logs

logs will receive wrist watches of the universe. as prizes from the AAA.

Eight classes provided

cording to size and cost of the provided for standard and auto- laxies to our own. matic drive cars.

Pitton SAE head; program tonight

everyone.

Tonight at 6:30 at the Roger Young Auditorium in Los Angeles, a dinner meeting will be held on the topic, "Exhaust Turbocharging of Diesel Engines." The speaker will be Mr. L. L. Bower, chief engineer of the Waukesha Motor Company, Milwaukee, Wisconsin. Slides are to be shown. Everyone is welcome to attend. See S.A.E. house representatives for tickets: Dabnev. Everett Eiselen: Fleming. Al Pitton; Ricketts, Tom Movius; Blacker, any of these three. A ticket and \$1.25 at the door will net you a \$3.00 dinner and an information-packed evening. If you can't make it for the dinner, the discussion starts at 8:00.

Other events tentatively scheduled for this term include a field trip to Studebaker's assembly plant and a talk by a Union Oil official on automatic transmissions.

Baade finds

Research done with the 200 inch Hale telescope at the Palomar Observatory has radically changed concepts of the size of the universe. This announcement was made by Dr. Walter Baade, staff member of the Mount Wilson and Palomar Observatories.

Estimates doubled

Dr. Baade stated that distances of other galaxies from our own are now thought to be about twice as great as earlier esti-Each observer will keep a mates stated. This means that daily log of the trip, and these the observable volume of the will be evaluated by the Amer- universe is eight times as large ican Automobile Association, as previously supposed. The diswhich judges the run. Observ- covery doubles the old estimates ers who turn in the two best made by astronomers of the age

Remeasurement made

This discovery was made by Purpose of the Economy Run Dr. Baade through a remeasureis to determine the car which ment of the distance from our gets the best gas mileage. Eight galaxy to the great spiral nebula classifications are provided, ac in Andromeda. This distance is used as a yardstick in measurecar. Special classifications are ing the distances from other ga-

Cepheids cause error

The previous error in this distance calibration was due, says Dr. Baade, to the assumption that all Cepheid stars behave the same. Cepheids are stars which are not constant in their magni-Student S.A.E. elections held tude, but grow alternately brightat the end of last term named Al er and dimmer. It was former-Pitton of Fleming president, and ly believed that all Cepheids did Everett Eiselen of Dabney secre- this in the same sort of cycle, uled for the remainder of this are two types of Cepheids which that Scripps is wonderful. For three sonatas which are schedyear promise to be of interest to behave differently from each other. Comparing the luminosities of these two types and considering them equal was the cause of the error, according to Dr. Baade.

(Continued on Page 6)

Campus Calendar

THURSDAY, APRIL 16
12:00 Y luncheon forum, Athenaeum
FRIDAY, APRIL 17
12:00 Y luncheon forum, Athenaeum
1:30 Varsity Golf, Santa Barbara at
Oakmont
3:00 Varsity Track, Chapman and Cal
Poly, here
4:30 Varsity and Frosh Swimming, Oxy
at PCC
7:30 Demonstration Lecture, 201 B
SATURDAY, APRIL 18
1:30 Frosh Tennis, Pomona, here
1:30 Varsity Tennis, Pomona, there
2:15 Frosh Baseball, Redlands, there
2:15 Varsity Baseball, Redlands, here
TUESDAY, APRIL 21
3:00 Varsity Tennis, Muir, here
4:30 Varsity Baseball, Muir, here
4:30 Varsity Baseball, Muir, here
7:30 Varsity Track, Conference Meet,
Oxy
WEDNESDAY, APRIL 22

WEDNESDAY, APRIL 22
4:30 Varsity and Frosh Swimming,
Whittier, PCC
THURSDAY, APRIL 23
10:00 Frosh option meeting, Physics,
155 A
10:00 Frosh option meeting, Mech.
Eng., 206 D

Maxstadt, new registrar, Is to replace Jones soon

Jacket measurements for all varsity sports men who have the least possibility of lettering this term will be taken from 12-1 p.m. today in Ricketts lounge. Measurements are necessary if you expect to get your award this term.

Varsity sports awards Dubridge announces new change; Jones stays on as admission dean Dr. William Maxstadt, Associate Professor of electrical engineering, has been appointed Caltech registrar. He replaces Professor L. W. Jones, who continues as Dean of Admissions. The appointment was made by the Caltech Board of Trustees

and announced by President DuBridge.

To divide time Increased work of the admissions office was the reason for

from the General Petroleum Gadivide his time between his electrical engineering classes and his new position. He will start his new job July 1, and will take over all the duties of the registrar. These include the keeping of student records and the recording of the amount of work completed by each student. He will also be the chairman of two faculty committees, the Selective Service and ROTC Committee and the Upperclass Registration Committee.

Interviews

mission of new students to Cal-

English, is away at present on

Here since 1919 Dr. Maxstadt has been a mem-

ber of the Caltech staff since

1919. He graduated from Cor-

nell, but received his MS and

PhD degrees here. He has been

active in consulting and testing

work on illumination, motor design and mechanical problems,

and has acted as an expert wit-

ness in patent suits. He has also

made contributions to the tech-

an interview trip.

Professor Jones' duties as



Musselman starts pool

Shown above is the ground-breaking ceremony for the new Alumni Swimming Pool last Saturday. Left to right, John E. Sherborne, President of the Caltech Alumni Association, President Du-Bridge, H. Z. Musselman, and Bob Lynam. The ceremony took place last Saturday in Tournament Park. It was a feature of the annual Caltech Alumni Seminar.

ROOT MEAN JQUARE

This week we decided that it coming soon is time that an age old question should be answered. For two years now we have heard con Pianist Harry Kaufman will preflicting reports concerning the lands behind 'the great white wall." It has always appeared as if Tech is evenly divided on the question of the quality of tinuing Chamber Music Concert that animal known as the Schm-Series. These concerts are availmipsie. Our poll ran true to form with exactly one-half of the men having opinions concurring those who are interested here uled are representative of three informative meetings for the are the results of this week's poll. The question asked was, composer's life, so this program "DO YOU LIKE SCRIPPS GIRLS?"

Undecided No Yes 35.8% 35.8% 28.4%

It was noted that a good percentage of the no's came from the frosh class. This leads to the suggestion that after a few years Tech men give up trying to go with the "in it girls" and resign themselves to their fate. This trend is exemplified by Karzas. When asked the crucial question Bill quipped, "they enchant

Interview Schedule

Friday, April 17—BS, MS, PhD/Ae, ME, United Aircraft Corporation, Research De-partment, East Hartford, Connecticutt. Monday, April 20—BS/CE, EE, ME, ACh Bechtel Corporation San Francisco, Calif. Tuesday, April 21—BSup/ME, Ae, EE, ChE, Ch, Ph, Ma, Air Force Flight Telé Center, Edwards Air Force Base. Also interested in Sophomore and Junior men in above mentioned fields for Summer.

Chamber music

Violinist Eudice Shapiro and sent three Beethoven sonatas in Dabney Hall next Sunday, April 19, at 8 p.m. as part of the conable to all Techmen and their families without charge. The different periods in the great will offer the opportunity to the music listener of seeing how Beeover the years.

The Chamber Music Series is equal or superior to any such series within academic circles in the whole United States. Although attendance has been increasing steadily it is hoped that more undergraduates will take advantage of the best in cham ber music.

Women-"The Rivals"

The Caltech Women's Club play reading group will meet Dean Strong's office that the April 22 at the home of Dr. and Mrs. Jesse Greenstein to read Sheridan's "The Rivals." Anythe consultant for the option seone wishing to attend should call lected, must be returned to the Mrs. Greenstein at Sy. 6-1681.

nique of electric welding. Frosh option deadline near

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

Physics

Professors H. V. Neher and R. B. Leighton will discuss the phythoven's sonata style developed sics option at a meeting at 10 a.m. in 155 Arms. They will furnish information and answer questions about a career in phy-

Mechanical engineering

Professors Rolf Sabersky and Wilbur Varney, who are the consultants for the mechanical engineering option, will discuss their field in 206 Dabney on the 23rd, also at 10 a.m. Interested frosh are invited to attend this meeting also.

Due May 1

Freshmen are reminded by deadline is approaching for choosing options. Pre-registration cards, with the signature of registrar's office by May 1.

Smoke signals - or phones?

The rigging 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 time that everyone understood 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 \$7.20 per phone per month from local calls alone. When taxes and the rental fee are added (total \$2.52), the company must find \$9.72 in local call revenue in each coin box per month before the Institute breaks even. All toll calls and telegram charges are extra, and do not count towards the guaranteed \$7.20 a month. In addition there is a \$3.00 per year charge for disconnecting the phones over the summer.

Usually Techmen in the houses do not put the guaranteed \$.24 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 switchboard, involving high initial cost, would run \$15 per man per year excluding installation and long distance calls.

'So you takes your choice and pays your money." But quit was pinned to a Blacker man. trying to beat the phone company and dumping your bills on guys who pay for their own calls. If you think the phone company represents the capitalistic crook, that's just too bad. They would no doubt happily watch you send smoke signals from Tournament Park to the Great White Wall. So would we.

Arrow Gordon Dover Seen As

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Overwhelming Favorite

Of College Crowd



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24 HOUR



"LOST HORIZON" "MARY OF SCOTLAND"

> Starts Sunday "RASHOMON" "KON-TIKI"

BREWINS

Rain, rain, go away And come again on RO Day -Anoymous Cadet

Blacker-Oxy melee last Friday, at last found his archetype of feminine beauty. Quickly cutting in, he began to apply his ditty "I've Got You Under My amatory technique acquired over five long years (count themfive) of incarceration at the Institute. All his ingenious attempts were met with a knowing smile, and the information that she knew all about Ricketts any justice. men and how they come and go (mostly come). This so upset Mr. Brown that he was forced to retire for spiritual, physical, and chemical renaissance. Muttering "Excelsior!" under his pungent breath he returned to conquer, only to suffer a crushing defeat, followed by the coup de grace when he discovered she

Blub!

Ron "Don't-Give-Up-the-Ship" Ratney while sailing o'er the bounding main last weekend went down with all flags flying, while saluting bravely a boatload of fascinated tourists. We trust there was a happy reunion with

> TERRIFIC BURGERS HOT PASTRAMI SANDWICHES HOT FRESH APPLE PIE BAKED HERE

> > COTTAGE COFFEE SHOP

Lake and California

the floor of Dave Jones' locker.

Dick Brown, sampling the the Macaroni Club, named Bill Gardner, drove the entire distance from Tech to Winslow, Ariz., singing that famous old Skin, You Dirty 'Lil Ole Tick?' Although accompanied by his the whole trip without getting

The Germs of Winter Are in Summer's - -

The Beak is pleased to see that justice is not dead. Indeed, Crime Does Not Pay! To make a long story short, Jerry Freeman has been in the infirmary since last week. Rumor has it that Dick Welsh, too, is suffering from the same dread disease.

Pahty - - -

Ed Bryan and other Darb officers enjoyed a fine pie-throwing contest at the party party last Friday. With cool, suave dexterity they wowed the assembled gentlemen and lovelies by putting on a thrilling display of athletic prowess. Neatly they caught pie after pie, never missing. H. T. Szold showed pitching ability as well, reaching MC Pechacek with a sharp peg.

words lest the same should befall you! After two terms of satisfying, rewarding night life, Ted Johnson has gone on the skids.

the late Commodore Wyman on

Justice for All?

What well-known member of Scripps companion and passing the domiciles of 'n Justices of the Peace, he managed to make

Techman's Progress

Beware! Harken unto these

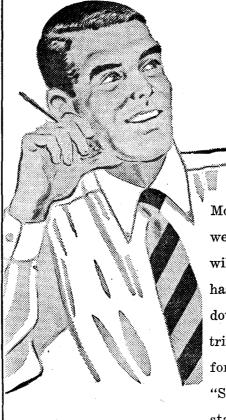
(Continued on Page 4)

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California Tech

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SECRETARY'S REPORT . . .

Balloting for class officers will be held on May 7, 1953. The assembly period of April 30 will be left open to facilitate nomination assemblies. The officers selected on May 7 will assume responsibility next fall.

Respectfully submitted,

John J. Merrill **ASCIT Secretary**

April 13, 1953

The Editors California Tech

It has come to our attention that in the April 3, 1953, issue of the California Tech there was passing mention of the Fumarole. We have read your editorial. We are indeed shocked. We are not so much moved by fear of the literary wrath of the official organ of the Caltech undergraduate as we are by the evidence of moral degeneracy illustrated by your presumptuous and ill-conceived attack. We find it incontestably unfortunate that the California Tech has preempted the position of judge and censor of "The People." It is tyrrany. We trust, however, that you shall soon see the error of your ways, and thus, hoping that hereafter we shall live in the harmonious serenity of academic brotherhood, we are your obedient servants,

> John Rogers Dick Smith

Editors of the Fumarole Ed note: Tyrrany?

(Continued on Page 4)

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All signs point to a big year on campus for Arrow Gordon

Dover—the neat, button-down Oxford so many young

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men prefer. Available at all Arrow dealers.

Humanities group is formed here

A new campus student organization launched its public career in 206 Dabney last Tuesday, April 7, when the "Humanities Club" presented Dr. Hans Reichenbach, well-known author and in its first four issues. professor of philosophy at UC LA, in a lecture on "The Philosophy of Science."

Cultural aim

The Humanities Club is composed of Caltech undergraduates, graduate students and members of the faculty. Its purpose is to provide a campus forum for the exchange of ideas on serious topics of general cultural interest.

The group was organized informally in January by officers of the Pendulum, the Tech, and other extra-curricular organizations. The first two meetings, in February and March, were limited to small groups of interested students. The opening meeting, on the topic, "Making Experimental Films," was led by M. Skot-Hanson, director of films and public relations for the United Nations, and producer of a number of successful Danish experimental films, including the well-known "Day of Wrath."

Aldous Huxley

Last month the club entertained Aldous Huxley, the novelist and satirist, at a tea in the Athenaeum Library. Mr. Huxley's stimulating conversation aroused so much ex post facto comment and curiosity about the Humanities Club, that it was decided to open the next meeting to the public—as it turned out, a well-justified decision. Over one-hundred and fifty members of the Caltech community turned out to hear Dr. Reichenbach the other night.

So far the work of arranging Humanities Club programs has been carried out by editors of the Pendulum and their associates. Leon Vickman had charge of the film session; Walt Lee arranged the Huxley party; Dr. John Waugh of the chemistry department took charge of the Reichenbach lecture.

Members of the club's steering committee, Leon Vickman, Walt Lee, John Waugh, Dick Jaffe, plan at least one more session this term, probably on the subject "Modern Music." Plans are also being formulated for a similar series beginning next fall.

There are no restrictions concerning membership in the group. Pendulum subscribers will automatically find themselves on the club's mailing list. Other persons will receive notice of future meetings if they will leave their names and addresses with the Humanities Department Secretary, Mary Stockley, in 204 Dabney.

The Humanities Club would like to have suggestions for future subjects and future guest speakers .



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MEZZANINE by Benzadrine

which has rapidly joined 'Pogo" tion of many was far superior

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, book, comic strip, or other popular art form.

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monthly, which in true MAD the standards set by its four pretradition costs either ten cents decessors in the comics, with per issue or six issues for 75 only a magnificent interview "Humor in a Jugular Vein" is cents, some character in each with the publisher, G. 'Melvin' the sub-title of a new comic book strip was named MELVIN, in- Somebody-or-other, which lightcluding each of the cartoonists heartedly quoted him as being a in the ranks of comics for the in their sigs. In various issues confirmed masochist, a lover of intellectual, and in the estima-Tarzan has been named Melvin, phallic symbols (Shades of Ted a science-fiction future human Polk!) and a 69-time divorcee. was named Melvin, and also a character in a pseudo-Western who is killed before the plot tinue the great work which did even begins.

Flavored

ics, which here goes under the ways" car cards and the use of alias of "Entertaining Comics," various Yiddish expressions in New York, all the panels have which are colloquial in the East a definite New York flavor about add a certain flavor to the strips them which can best be appreci-which is by nature geographical ated only by one who is ac- in its appeal, but the detailed art

Widest Selection

RECORDS

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In the first issue of this bi- ber 5, unfortunately fell below in their appeal.

Shazoom

Perhaps it is impossible to conappear in the first issues of MAD —if so, then those early master-Published by Educational Com- Take-offs on "Meet Miss Subquainted with the big town work and amazingly effective

The most recent issue, Num-satire are completely universal

Number 5

pieces will rapidly become collectors' items. But here's hoping that the twisted and perverted minds that produced such greats as Captain Marbles (SHA-ZOOM! S-strength, H-health, A-aptitude, Z-zeal, O-ox, power of, O-ox, power of another, M-money) and Lamont Shadowskeedeeboomboom, alias The Shadow, will relapse from their lull of sanity and continue with their incomparable satires.

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"WE DO IT." 8 a.m. to 6:30 p.m. Sat. 8 am. to 6:30 p.m. LAKE AVE. WASH-OUT

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THE DU PONT DIGEST

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A GROWING FIELD—

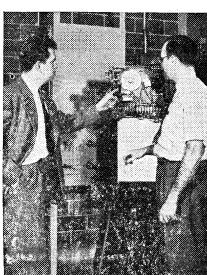
nstrumentation

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 materials handling, as well as application of equipment - both mechanical and hydraulic-for measurement and control systems?

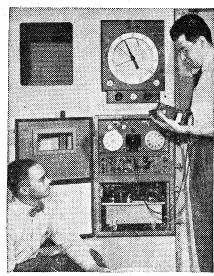
At Du Pont, instrumentation is applied to widely diverse areas of manufacturing operations. It calls for many different technical backgrounds. In a typical instrument group there may be men whose formal training has been in mechanical, chemical, electrical or metallurgical engineering, or in physics,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



Fred R. Struder, B. Metal W., Rensselaer P.I. Allen R. Furbeck, E.E., Princeton '39.

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 instrumenta-

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 major plants across the country now have their own organized instrument groups.



Richard G. Jackson, B.S. in Ch.E., Columbia '42, and Gregory L. Laserson, Ph.D. in M.E., Columbia '49, test an infrared gas analyzer.



Paul D. Kohl (left), B.S. in M.E., Purdue '46, checks the assembly of an experimental control

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

- 1. A device to measure flow of approximately 30,000 lbs. per hour of gas at more than 10,000 p.s.i. To give 1.2% accuracy and be responsive to flowchanges 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-temperaduring spontaneous reaction between two chemicals.

Thus it can be seen that Du Pont instrumentation is limited to no single avenue of engineering. Men with an aptitude for the work get experience in many phases of the Company's technical activities—and an excellent background for positions in manage ment and administration.

ASK FOR "Chemical Engineers at Du Pont." New illustrated booklet describes initial assignments, training and paths of promotion. Just send post card to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Building, Wilmington, Delaware.



BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

Watch "Cavalcade of America" on Television

BREWINS

(Continued from Page 2) In past weeks, your faithful Beak has told of his descent by way of Valery and then the Over-

the party party.

The Eight-Ball Mystery

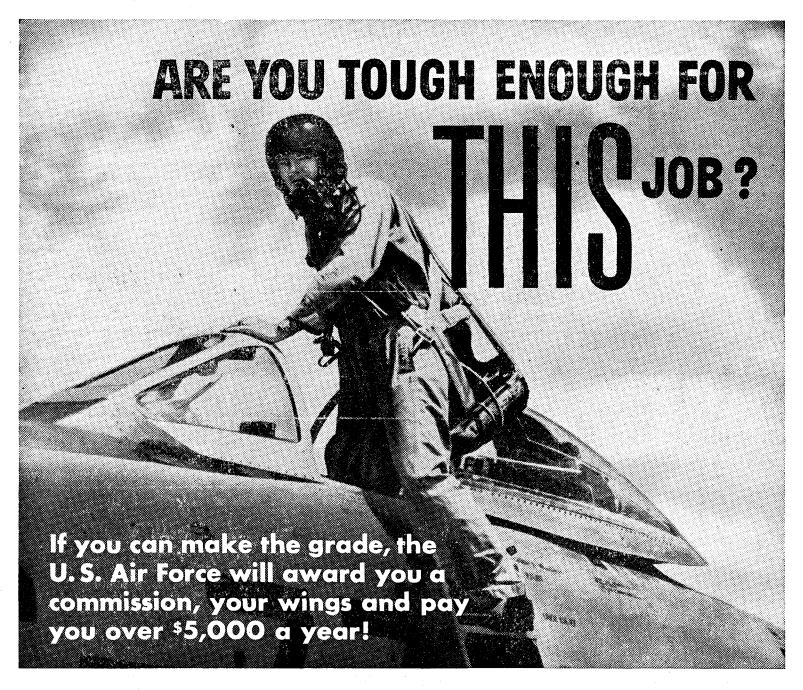
yon has been reached. T. J. was woman was only half with him. footprints at one end of the

last seen behind a drafty bar at Thoughtfully he deposited her table. ?? in the Dabney game room and proceeded to shoot some bil-Purity Pete Finley rides again! liards, assuming that the noise After a spirited evening of danc- would soon bring her to. One land Avenue Grammar School ing and spirits at the Frosh-Soph strange clue remains to baffle But now the bottom of the can-Brawl, Peter discovered that his the investigators: several dirty

Terror (?)

Big Jim (house pins shall roll) Enright and his reign of Terror (drip!) scored again as he numberously excommunicated nearly all of the loyal church followers

(Continued on Page 6)



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.

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New Aviation Cadet Training Classes Begin Every Few Weeks! HERE'S WHAT TO DO:

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- they give you.
- 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.



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: Eason Monroe: "The Status of Academic Freedom."

May 6: Dr. Howard Thurman, 'Religion in Modern Life."

May 13: Raymond Untereiner, "The Pasadena School Situa-

May 20: Dr. Edgar Warren, 'The Outlook of Labor-Management Relations Under the New Administration."

Crosby gains worker's reins

The Instituters, 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 Society is on the campus.

Chosen as house chairmen for the Instituters also last week were Chek Beuf in Blacker, Bill Kelly in Ricketts, Jim Lloyd in Throop 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, untainted 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 irate 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 do 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, 2 from Throop, 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.



Frosh grab 2nd in SCIC Varsity men near records

Tech's thinclads looked the◆ best they have all season but final event—the javelin as Conlost to Whittier's potent track team last Saturday 82-44. The second. The Beaverbabes took Poets racked up sweeps in every middle and long distance event to cop 34 of their points. Caltech dominated most of the other events.

Tyler nears record

The leading performance of the day was Jim Tyler's 22'3" broad jump which is just 3 inches short of a new Caltech record. Jim also won the high jump in 5'11". Bruce Munn led a surprising Tech sweep of the 100 yd. dash. Jim Kleigel turned in the best performance of his life as he won the high hurdles in 15.2 seconds. Eric Ward took time out from his tennis match to wander over to the track and take the javelin. Gene Kaiser won the shot put in fine style with a 42 foot effort. Russ Bonham took it easy as he easily won the mile, places in the 220 Athlete of the week and ran a lap on the relay.

Poly and Chapman

This Saturday Caltech warms up for the Conference Meet with a practice meet with Cal Poly and Chapman. Tech should not encounter too much trouble with either one. Jim Tyler will warm up for the Southern California decathlon meet when he will try the discus, shot, high jump, broad jump, 220 and relay.

The come-through Tech frosh track squad defeated the frosh Poets to grab a surprising second in the SCIC. The meet was baseball, a frosh letter which he a hair-raiser with the score seesawing all the way through. Tech came through by winning the

Swimmers drop to strong teams

Last week the Varsity and Frosh swimming teams opened their dual meet seasons by losing to Compton on Wednesday and then traveling to Fullerton Friday, and losing again. The races were run together, but Frosh and Varsity scores were kept separately. The Frosh lost to Compton, 20-60, and to Fullerton, 9-73. The Varsity didn't do much better, losing 24-59 and be o.k.?"

Should take third

Although the teams didn't look too good against these two non-Conference teams, they should still be able to beat Redlands and Whittier and place third in the

ley and Peters took a first and second to the Oxy frosh, probably the best frosh track team in the country since their victory over the Southern Cal frosh last week.

Lewis stars

Standout performances were the rule but Don Lewis's was fantastic as he scored the most difficult triple in the books by winning the 880, mile and two mile. Phil Conley was also a leader in points with the double in the javelin and broad jump and a second in the high jump. Another good toss was the discus at 126'8".

Saturday

The frosh will also be in the Chapman, Cal Poly meet this Sat-

by Whittaker

The Caltech pitching staff consists of one man this year, John Winslow. Fortunately he is a pitcher of undisputed ability, and he has had a lot of experience. John might even win a game yet this year if the team's fielding will hold up behind him.

High school star

John is 6'2", weighs in at 160 pounds, and he is a senior. The experience which was mentioned above consists of junior high got as a pitcher, and two varsity letters which he also got as a pitcher. He is due for his third varsity letter this year.

All-conference

The greatest triumph in John's baseball career so far was his position as pitcher on the second string all-conference team last year. John is eminently eligible for marriage being single, modest, a star athlete, and six feet two inches tall.

Egad!

Sweet Young Thing: "Can you tattoo a cat on my knee?"

Tattooer: "We're having a sale on giraffes this week. Would that

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APRIL 16



Golfers beat LA State

The Stanford tourney apparently helped the Tech golf team as they came back and beat LA State. The Beaver swingers were previously defeated by LA State on their home course before the vacation. Journeying to Griffith Park, Tech teed off and the match was never in doubt after the first few holes. The match was played on a 4-ball best ball basis as well as individual match play. Playing second man for Tech. Paul Farley medaled with a scintillating 77. Turcotte came home with an 81 while Davies shot an 86. Watkins and Patraw each fired 88 and Ed Daw had an 89.

Arizona here

The Arizona University team narrowly eeked out a victory. Both Turcotte and Farley won shortstop Gene Nelson. in first and second. Arizona's Don Watson shot a 73 to lead the teams.

Frosh beat Poly varsity

The Caltech frosh tennis team knocked the Cal Poly varsity off the court with a decisive 8-1 victory. In the feature match Barnes of Tech set the pace with a fast 6-0, 6-0 win and teamed first base without an error. up with Ball in doubles to take Paly to the cleaners 6-1, 6-0. Poisner also won without giving a game away as he won 6-0, 6-0. The longest match of the day was a 4-6, 6-0, 6-4 victory by Tech's Davidson. The only defeat was in the fifth singles where Goldenberg lost to Skelsey 7-5, 6-0.



"There's a certain amount of customer dissatisfaction because you forgot the Angostura*."

*P.S. The perfect Manhattan or Old Fashioned gets its "smoothness" from Angostura. See how a few dashes dramatize the flavor of soups and salads, too!

Frosh keep winning ways

The little beavers of the frosh baseball team continued their winning ways Friday when they handed Oxy an eight to five setback. The game, originally scheduled for Occidental, was played in Tournament Park with the Tigers acting as home team. It was the second straight win for Huttenback's horsehiders in as many starts.

Weymann stars

Ray Weymann was "it" for Tech, fanning fifteen to bring his two game total to thirty "K's" and contributing two singles, a double and triple to his own cause. He handed out three walks and nine hits to the Oxy men, one of these a triple by shortstop Risley. Tech, in turn, pounded two Oxy pitchers for 15 came to Tech's home course and hits, including the orange and white's second triple clouted by

Hitting well

The team from Tournament Park is now hitting at a .302 clip but fielding a not too bright .935. Their fielding has improved but is still spotty — witness their seven errors in two games. Added Tech stars of note include Not-duke Snyder with as many R.B.I.'s as the rest of the team and a .500 blaze at the plate plus Iron-man Conley, who has caught every inning while banging a sharp .375 plus Ken Laws, who has handled 17 chances at

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I. H. Sports

The Interhouse sports program enters into the homestretch with football now in progress, and volleyball to follow. As matters now stand, it's strictly a three-horse race. Dabney's leading the pack by 11 lengths, with The Big Red Team (sired by Fleming) ahead of the Rowdies out of Ricketts by a neck. However, the smart money is quietly being placed on outsider Throop to take command of football, while heavy place bets are showing up on the Flems and Darbs.

Dabney wins

Rosen's roundup - Dabney squeaked by Fleming in a thriller of a Discobulus basketball game which saw a double overtime. Final score: Dabney 32, Fleming 31. Chambers led all scorers with 19, while Taylor of the victors amazed the throops with his all-court accuracy.

Ball eligible

The Athletic Council, in one of its infrequent get-togethers, did decide favorably re Jim Ball's eligibility in the Interhouse swimming meet. This decision made Fleming winners of the affair, pushing erstwhile victor Ricketts to second-spot, and also put the Big Red within striking distance (11 points) of pace-setting Dabney.

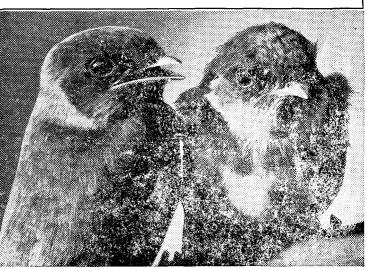
Netmen win

John Lamb's netmen took advantage of a faltering Poet tennis team to rack up a 6-3 victory. Bright spot was the featured doubles match where Ward and Emery, playing the best they have this year, beat Schlesal and Voight 6-2, 6-1.

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* of 131 So. Harris Hill Rd., Williamsville, N.Y. Wildroot Company, Inc., Buffalo 11, N. Y.

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the response so far to ask for

the suggestions for more books.

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books were there, your chance

has come to get them. If you

have read everything there is to

read, express an interest any-

way. Your request has been

granted ;now it is in your hands.

(Continued from Page 1)

Tremendous range

scope 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 2000 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. Estimates of the

age of the universe now stand at

about 4 billion years. This figure

agrees more closely than the old

one with the physicist's estimate, which is based on decay of radio-

Experts confirm

discovery last September at the

meeting of the International As-

tronomical Union in Rome. A South African astronomer, Dr. A. D. Thackeray of the Radcliffe Observatory in Pretoria, has con-

firmed the discovery by his own observations. Dr. Henry Mineour, director of the French Institute of Astrophysics, has also

(Continued from Page 4) with the exception of one-eyed

jacks and survivors of the

On His What (?)

is it just the class of people you

meet?) induced Pope 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 En-

right is obviously on his honor

in this matter, the Beak advises

that B. S. can use the other side

Interhouse Sprint-The Beuf-Epstein phone-num-

ber cartel came through and displayed its fruits at Friday's ex-

Bill Spence, lusting for the prestige of being a Cardinal (or

offered confirmation.

Alamo (Carel Otte).

for scratch paper.

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contemporary reading in the Cal- Dabney.

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Two months ago an editorial as a result, twenty-seven new crop of best-sellers. was written in this paper by Ron modern works are on the shelves Ratney, questioning the lack of in the Humanities library in

> chairman of the Humanities De- moving rapidly. They are now partment has charge of the on prominent display just withspending of the three-year-old in the doors, though later they grant from the Carnegie Corpora- will be moved to their own shelf tion (which has been used in the in the rear wall of the side room. past for such things as maga-

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tech libraries. Many undergrad- zines for the Public Affairs peal to many undergraduates. become a periodic event and uates agreed strongly with this room) has appropriated around Far and away the fastest circu- more books may be added to this Dabney library uates agreed strongly with this room) nas appropriated around that and away the lating books have been two acsished as they are published. ther went into the matter in a man, librarian of the Humani counts of marine life; The Sea has new books "Letter to the Editors." Action ties Library, picked the books, Around Us and Under the Sea has now been taken on this and, mostly novels, from this winter's Wind, both by Rachel Carson,

Moving rapidly

The books have been in use at the library since the week of Dr. Hallet Smith, who, as March second and have been These books may be borrowed for a week, but in order to facilitate their wide circulation, they may not be renewed.

New titles

The books themselves are good and, encompassing a wide range of subject material, will all ap-

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Formerly Binley's

and two novels; Dutour's A Dog Head, a clever French satire revolving around a man who has the face of a blood hound, and The Silver Chalice-which is by Costain. Also among the novels are found: Edna Ferber's tale of Fabulous Texas, Giant; Du Maurier's My Cousin Rachel; Ellison'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 Tallulah BAADE Bankhead.

Future plans

Even though unadvertised, there has been an average of from three to five books checked out daily during these past six these is strong enough, this may

weeks. These books have been purchased for the undergraduates and may be borrowed only by them. If the response toward

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change 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 Josette Deutsch Brooklyn College following in Ricketts. Noteworthy was Darb Purves's comment upon crashing said party, "But I thought that this was Blacker!" (so did 1).

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