Pauling Comments On Blockade, War Dangers

Nobel Laureate and Caltech professor Linus Pauling spoke at the Dinner Forum on the subject of Molotov-Ribbentrop Molotov's threat to Europe and the elimination of junior and senior P.E. (alternative caption: Are you Mecca this way?)

Faculty Discusses P.E. Requirements

New construction is proceeding on and around the Caltech campus, and more is projected for the near future. Planning is going on for the new auditorium, referred to as the "Throopstoil" because of its planned location on Betsy Drive between the West and North Michigan Avenue. Ground-breaking for the new auditorium building is scheduled for a few weeks before the school year begins. Building B, a new dormitory, will feature remote control inputs stationed in the various rooms.

Of slightly more remote building projects is the student union building, which is scheduled for a few weeks before the school year begins. Building B, a new dormitory, will feature remote control inputs stationed in the various rooms.

The Institute is also re-modeling another facility, a recently acquired building off the usual routes. Dr. DuBridge's residence, for use as an Industrial Relations Center, something entirely new to the campus.

All of these construction projects are part and parcel of the Caltech Master Plan, a 25-year outline which will be a reality in the next fall. Winner of the $25 second prize is Alvin Young of Ulyss House. Of the ten third prizes of $10 each, nine went to Techmen and one to an Institute secretary.

Development Program Planned

Facility

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Caltech at the present time possesses the most distinction of being the only private university in the country with four years of required physical education. In fact, Caltech holds this dubious distinction among all colleges only with the military academies. Whether or not this policy will be continued in the future, there is a very good chance that it will be modified in some way. This issue is of importance to every Tech student, as it will almost undoubtedly govern his remaining years at Tech.

The last time this issue came up was in 1958 when it was decided, largely as a result of a student vote in favor of retaining PE, that no change should be made. The question has been brought up again because of recent widespread faculty interest. The policy has been voted on by the faculty, and it will probably remain in effect for several years before any changes are proposed again. Thus the decision this year will probably remain in effect until every present Techman has graduated, and it is therefore of considerable importance that the opinions of Techmen be represented on this subject.

It must be made clear that since this is a school policy issue, the decision is essentially a faculty one and student opinion is not necessarily a deciding factor. The faculty is very interested in student opinion, however, and thus it will be considered. The primary consideration in the weight of the faculty opinion will be the present Caltech policy of academic freedom.

The tunnels were originally built to carry steam, and a lot of hot air goes through them, some through the pipes. They run diagonally through the length of the campus, branching off to Keck and the Grad Houses. One student-made tunnel reputedly led to the women's room at the PCC Library, but it has since been removed.

There are two easily accessible entrances to the tunnels: one by the stairs between Hope and Kellogg, the other to the right before you go out of the Old Houses basement, through the Flemming garden. A third entrance is between the basement walls, about six feet under ground. This is an open passage, with an invisible door, and rumbling around for the light switch in the darkness of 2000 v.l.s. Needless to say, entrance is easy when a flashlight is used.

The second is much more accessible. Go through the Flemming garden, then take the basement stairs to the left, go in the door around the corner of the basement, then over the second level, and walk through the garden.

Turning right out of Flemming, you can see the stairway leading to the Athenaeum. The Athenaeum exit is between the basement, and the entrance, which is much more convenient. Unfortunately, underclassmen in this area are frowned upon, so it is not wise to linger. Just to the left of the Flemming entrance is the New Houses exit. Anyone who really wants to use it is advised to wear old clothes that wash easily.

The tunnels are built to withstand war, and a lot of hot air goes through them, some through the pipes. They run diagonally through the length of the campus, branching off to Keck and the Grad Houses. One student-made tunnel reportedly led to the women's room at the PCC Library, but it has since been removed.
From Other Campuses
by Richard Karp

Last week, we discussed the segregation editorial in the Troy State College Tropolitan. The editorial called the Catholic Church and the Kennedys as well as the Communists as the moving force behind the NAACP and Meredith.

Rejection to the editorial was quick. In the next week's Tropolitan, the editor spends two paragraphs challenging the lack of backbone in American Youth, followed by a note that "All this leads up to the editorial that appeared in last week's edition of the Tropolitan. This editor has been called 'a disgrace,' has been condemned, and has been/editing in various classes with one professor in the Education Department taking it so far as to say that the editor should go to college.

The count on letters to the editor referring to this matter was two supporting segregation, two against. One of the two supporting the editorial was the freshman class president, who concluded with: "The liberal element, socialist, and communist are taking over. What will come next?"

The Stanford Daily for Oct 19, 1962, featured a movie review which completely shattered a new movie, the "Chapman Report." Steve Zoisner noted that: "The Chapman Report" is that unsung type of movie about which one might comment, "That was the worst movie I ever saw."

"We often make statements like this but sooner or later we see a movie which is indeed the worst. The Chapman Report," a prominent little package of sub-urban erotics and erosion, is a safe onomatopoeia. Except for the technicolor which is rather pretty.

"One of the things you have to know about this picture is that there is no deep meaning to search for. In fact, there is no meaning at all, deep or shallow. The big question is: are we making life a success?"

PE Requirements (Continued from page 3)

YMCA Schedule
Election Poll

As in past election years, the YMCA is planning to take a student and faculty poll on the major campaign issues this year. The three races for state office included in this poll will be Brown vs. Nixon in the gubernatorial race, Kuchel vs. Richards in the senatorial contest, and Richardson vs. Raybert for State Superintendent of Public Education.

Also included in the poll will be propositions 1A, 23, and 24. Proposition 1A has been included because of the general need to publicize it, while propositions 23 and 24 have been included in the ballot in an effort to confuse the voter as to the nature of these measures at the present time.

The poll will be held soon and the results will be announced in the Tropolitan.

WHAT TO WEAR TILL THE DOCTOR COMES

Now that you have earned and paid your fees and bought your books and found your way around campus and learned to hate your roommate, it is time to turn to the most important aspect of college life. I refer, of course, to clothes.

What does Dame Fashion decree for the coming school year? (Excitement! Dame Fashion is not, as many people believe, a fictitious character. She was a real woman who lived in Elizabethan times and, indeed, England is forever in her debt.

During the invasion of the Spanish Armada, Dame Fashion —not yet a Dame but a mere, unlettered country lass named Moll Flanders—during the invasion, I say, of the Spanish Armada, this dainty girl stood on the white cliffs of Dover and turned the tide of battle by railing the drooping morale of the British fleet with this stirring poem of her own composition:

Don't be gallant, Men of Britain. Stop your cutlass, We ain't quittin'. Men of Britain, We ain't quittin'.

Swash the Spanish, Smash the Spanish, Gutless, We ain't quittin'.

Swash the Spanish, Gutless, We ain't quittin'.

We ain't quittin'.

Men of Britain, We ain't quittin'.

In 1689 she invented the laying hen, and she was awarded a life pension by the Western Hemispheres, except Duluth. This was but the extent of Dame Fashion's service to her country. In 1589 she invented the laying hen, and she was awarded a life pension by the Western Hemispheres. But this was but the extent of Dame Fashion's service to her country.

As a reward for these inspirational verses Queen Elizabeth dubbed her a Dame, made her Post Laureate, and gave her the Western Hemisphere except Duluth. But this was but the extent of Dame Fashion's service to her country. In 1589 she invented the laying hen, and she was awarded a life pension by the Western Hemispheres, except Duluth. This later became known as Guy Fawkes Day.

But I digress. Let us get back to campus fashions. Certain to be the fashion of the coming fall year is the cardigan sweater. The sweater is only eighteen years old or so, according to the English, and is named after Moll Flanders—during the invasion, I say, of the Spanish Armada, this dainty girl stood on the white cliffs of Dover and turned the tide of battle by railing the drooping morale of the British fleet with this stirring poem of her own composition:

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Buckley To Talk In San Gabriel

Conservative spokesman William F. Buckley, Jr., editor of the National Review Magazine, appears Friday, December 14, at the San Gabriel Civic Auditorium to discuss "The Conservative State in the November Election Results." Buckley is sponsored by the Graduate Committee for Political Education.

Reserved seat tickets are being sold by the Committee at a student rate of $1.00. They may be ordered by mail from the Committee at 411 South catalina, Pasadena. Non-student tickets are $2.00. On campus, tickets are available at the News Bureau, 14 Throop.

Lectures Begin

The first in the 1962 fall series of the Friday Evening Demonstration Lectures will be given this Friday, Oct. 19, at 7.30 p.m. In room 201 Bridge. "Dissection of Intelligence" is the title of the lecture by Dr. Colwyn Trevarthen, research fellow in biology. The general public is invited to attend.

Dr. Trevarthen will explain various experiments that have been undertaken to investigate the processes of visual learning in monkeys. The twin brain organization is a key factor in the discovery of new functions. The use of a film as a teaching tool will help demonstrate his ideas. At last, a newpaper with poover style than the Tech!

California Tech

More Campuses

(Continued from page 3) considered the question important that he didn’t bother to answer it." The article continues for several paragraphs more, and leaves no doubt that "The Chap­man Report" was not a roaring success at Stanford.

This week’s nominee for the much-coveted student Shrub Award is the La Verne Campus Times for October 12. The entire four page paper contains a total of eight stories of more than 100 words in length. Three-fifths of the second page is an advertisement for the cam­pus bookstore, whereas the entire third page consists of the statement in headline type that “LaVerne College is a Small Liberal Arts College with a closely knit student body. Do your part to keep your college this way.” In addition, the paper has a total of five pictures and three other ads. It features a five column banner headline on the front page which connects to no story, and a story about a student who won $100 by writing an essay on "Why the IDC plan to be an independent insur­ance agent." At last, a newspaper with poorer style than the Tech!

IHC Discusses

Various and sundry problems were brought before the IHC in its weekly meeting of Wednesday, October 17, 1962. The important topics included discussion of Students’ Day, Fac­ulty Coffee Hours, and the IHC dito machine.

With regard to Students’ Day, Faculty Coffee Hours will be in charge of finding 10 guides, plus four ad­ditional "hosts," who will greet the high school students on their arrival. Thirteen hundred high school students are expected.

The problem of how to get the faculty to Winnett was also dis­cussed in some detail. It was generally agreed that the easiest method was to be free food. To this end, a student-faculty reception was suggested. The tentative time chosen was 3 p.m. on Wed­nesday afternoon.

The problems with the IHC dito machine seemed to take most of the time of the commit­tee. The machine is in poor condition, and the four sugges­tions of what to do with it were written on an envelope and sent to the IRC president on the 30th.

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Various Plans

The machine could be repaired. Leaving it in Winnett was also discussed because B&G might find it there and charge the IHC for its removal.

Debate Team Wins Awards in Tourney

At the San Diego State College Speech Tournament last Friday and Saturday, Caltech’s Foren­sic Squad won three awards. The team of three, consisting of Bill Tyler of Blacker, David Close of Page, and Steve Morse of Ruddick, won over three out of five college teams participat­ing in a debate on the formation of an economic community of non-Communist nations.

More also won a Superior rat­ing in Impromptu Speaking, the highest individual award given. The other individual award, a Certificate of Excellence in Ex­temporaneous Speaking, was awarded to Susan Solomon of Dunham.

The Forensic Squad will meet speakers from 30 other colleges on November 2 and 3 at El Cam­ino College.
Religious Trip Planned By Y

BY CRAIG MURPHY

The Caltech YMCA Religious emphasis Committee has plans for a series of visits to various places of worship in the vicinity. The first of this series, "The Many Faces of Religion," will be at 7:30 the evening of Friday, October 26.

This first visit will be to the Fairfax Reform Judaism Temple at 202 S. Fairfax, Los Angeles. Rabbi Sderling will deliver a sermon on the topic, "Was Einstein Religious?" Following the service, there will be a discussion period with Rabbi Sderling, who was chief chaplain for German troops on the Eastern Front in World War II. He describes himself as a "rebel" and an "orthodox and autographed, a reformer among the orthodox."

If you plan to attend, please let us know by signing one of the lists posted in each of the student houses so that transportation can be planned. Those who plan to attend will meet at Winnett Center no later than 7:30 on Friday evening, October 26. Dates are also welcome; transportation will be provided.

Among those churches which may be visited in the near future are the following: Buddhist, Roman Catholic, Vedanta (Hindu), Fundamentalist, a Major Protestant Denomination, and Unitarian. There may also be others added. There will be about one visit each week, and each week a sign-up list will be posted in the student houses. If you have any ideas on how this program can be improved, the Y will welcome any suggestions.

Steam Tunnels (Continued from page 2)

happened several points in the basement. The tunnels are used for storage and they are not for disposal. The left of the fork is the tunnel leading to Bridge and the Geo buildings. The entrance between Throop and Kellogg points here. Exiting at Bridge entails a slinky crawl and a lot of noise distinctly audible so it is not recommended.

Both Arms and Mudd have exits on the corridor. The tunnel has a left fork at Arms, which leads to a locked door in Rohrbach.

Take a little time out and find out about the steam tunnels. It's a lot of fun and a w a n d e r through during exchanges.

LETTERS

(Continued from page 2)

the first Sunday after the riots.

The accounts that I read did not mention any Baptist Minister taking part. The Ministers claimed for themselves somewhat for letting a condition exist like that in the city. It's a fact that we have a Baptist Minister. Has he ever called for it to be Christianity? Read the story of the Outcast in the Bible. The Lord has not called for it to be Christianity, so it doesn't just pick out a certain segment.

J. Smith

Charmack the Magician

P. C. Box 118

New York 9, New York

More EPC

(Continued from page 1)

search projects for freshman honors work; 6) the format of Math 1 and 2, and 7) P.E. for juniors and seniors.

Freshmen Proposals

On some of these topics the committee possesses concrete information and several definite proposals. In this category is the pamphlet on freshman honors projects. Dave Holtz is in the process of gathering information for it, and hopefully it can be distributed at the freshmen honors meeting at the beginning of second term. Graphics is required by different departments for various reasons, and committee members are in the process of finding out what those reasons are. Econ 4 is also a departmental requirement for all except mathematically-minded students.

A suggestion on a more painless way to pass this requirement is to take it as a freshmen, something which seems possible in theory since the ceiling on units is 60.

The advanced psychology course is an idea proposed by committee members who would like to see our humanities courses expanded. Ph 6 has been changed this year because of the hiring of a new man, so suggestions on how to improve or change the psychology offering will probably receive some attention.

The suggestion of honor sections for freshman humanities is based on the poll which EPC took last year of the sophomore honor sections. The history honor section was liked much more than the physics or math honor section. This would seem to be a result of the interest and discussion which can be generated by groups who enjoy history and English. In many freshman sections there are only one or two who are consistently prepared and who take a genuine interest.

The honor sec-

(Continued on page 8)

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CHARGE VOUCH CORP/TEMCOR ELECTRONICS AEROSYSTEMS/CENTIONAL ELECTRONICS
Webmen Beat Pomona and Claremont

BY DAVE OLLIS

Rebounding strongly from last week's slump, Caltech's Webmen dropped Claremont and Pomona in the first week of league action.

Claremont was toppled 126 at the Rick pool on Tuesday in a tightly refereed game. Bruce Cheevers, displaying the reasons for his twice All-Conference honors, scored 7 times despite occasional double teaming by Claremont. Points were also produced by Mike McCammon.

Pomona Game

In a climactic and well attended game last Friday, the Beaver varsity edged visiting Pomona, 11-0, in the closing moments of the contest. A scoring duel featuring two All-Conference forwards Pomona's Bob Bassett and Bruce Cheevers ran parallel with the course of the game and ended in the same manner: Cheevers over Bassett, 97.

Pomona took an early lead down from 106 to 90.

In the freshman meet, this was won concurrently with the varsity, the lone Tech runner, Eddie Simpson, best his only Whittier competitor by over five minutes.

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Whittier Beats Tech Harriers

The varsity cross-country team met its first defeat of the young season last Friday at the hands of a strong Whittier squad. The 20-27 loss gave the Tech team a 1-1 record.

The three-mile race was won by Jan Crawford of Whittier, who was clocked in 16:18, only 22 seconds off the Tournament Park course record of 15.56. Whittier runners also garnered second, fourth, sixth and seventh places for the victory.

Tech's first man, Larry Weaver, took third with a time of 16:38, a 23 second improvement over last week's time. Tom Oberjat was the squad's most consistent runner and scored 15 points for the Tech team, a 1-1 record.

Tomorrow the harriers travel to Walnut to meet Pomona on the hill. No BCAC course.

VARSITY RESULTS


La Verne Romps Over Foorballers, 49-0

BY STEVE BLEMSECK

The Caltech varsity football team traveled to La Verne last Saturday afternoon and took their worst beating of the season, as the Leopards shut out the Beavers, 49-0.

The Beavers had trouble moving the ball during the first quarter. While La Verne was scoring three touchdowns, Caltech could not penetrate into Leopard territory. With the exception of one play, the entire quarter was played on the Caltech half of the field. Kurt Valeski, who gained 17 yards on one pass, was the lone Tech play who produced a first down for the PAT attempt. La Verne's, Bob Liebermann completed two passes for 25 yards and Jon Evans gained 17 yards on one run during this quarter.

However, La Verne took possession of the football after an incomplete pass on fourth down. Bulken's passing set up the final touchdown of the first half as Larry Riemann passed to Dave Walechina for the TD. After one half of play, the Beavers found themselves on the short end of a 29-0 score.

In the second half, La Verne's, Verne Valeski completed a short pass to the mid field, produced by Mike McCammon.

The average time for the Tech team a 1-1 record.

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Tomorrow the harriers travel to Walnut to meet Pomona on the hill. No BCAC course.

VARSITY RESULTS


La Verne Romps Over Foorballers, 49-0

BY STEVE BLEMSECK

The Caltech varsity football team traveled to La Verne last Saturday afternoon and took their worst beating of the season, as the Leopards shut out the Beavers, 49-0.

The Beavers had trouble moving the ball during the first quarter. While La Verne was scoring three touchdowns, Caltech could not penetrate into Leopard territory. With the exception of one play, the entire quarter was played on the Caltech half of the field. Kurt Valeski, who gained 17 yards on one pass, was the lone Tech play who produced a first down for the PAT attempt. La Verne's, Bob Liebermann completed two passes for 25 yards and Jon Evans gained 17 yards on one run during this quarter.

However, La Verne took possession of the football after an incomplete pass on fourth down. Bulken's passing set up the final touchdown of the first half as Larry Riemann passed to Dave Walechina for the TD. After one half of play, the Beavers found themselves on the short end of a 29-0 score.

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VARSITY RESULTS

Soccer Teams Rout Redlands

After losing to UCLA last week the varsity soccer team recovered and defeated Redlands, 8-0, at Tournament Park on Saturday.

The forward line, held scoreless by UCLA, were once again in top form as they scored six times by halftime. They eased their effort. The back line did not play as a unit but worked as a team.

Joel Kwok scored four goals in the Tech victory.

BY HAL PETRICE

The Interhouse Softball season ended last Monday with Lloyd House taking first place honors with a 5-1 record, but lost their last game to Ruddock.

The expected battle for second place between Fleming and Blacker did not materialize as expected. Ruddock, in an earlier game shocked Blacker with a big first inning and went on to win in extra innings. Although Blacker shut out Fleming on strong pitching they were unable to pull ahead in the standings due to the earlier loss to Ruddock.

Fleming won the rest of their games while Blacker lost to Dalney in a close game. The final loss to Dalney placed Blacker in a tie for third.

In the tie with Blacker for third place was Ricketts, who finished well after losing three games in a poor start. Ricketts, plagued throughout the season with poor batting, finished well against two of their games while Blacker lost their last game to Dabney and Page shut out Fleming.

The team has thus far followed earlier histories: initial losses to PCC, 27-15, and El Camino, 25-3, a better game though still a loss against Claremont, 13-4, and finally sweet victory last Friday when the frosh cogged their senior squad and edged Pomona's young fleet, 65-6.

The depth of the frosh squad is much larger than in previous years.

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JAMES R. JEDLICKA
RESEARCH SCIENTIST
OCTOBER 31, 1962

Water Polo

(Continued from page 6)

Richard Nelson and John Waler are the only fresh on the team with experience from high school. Larry Anderson, a very speedy swimmer, is another strong prospect to develop into a fine pointlight. Roundning out the starting seven are Walt Davis, Hill Owens, James Gibson, and a fine goalie prospect, Steve Dickett.

The depth of the frosh squad is much larger than in previous years.

The team has thus far followed earlier histories: initial losses to PCC, 27-15, and El Camino, 25-3, a better game though still a loss against Claremont, 13-4, and finally sweet victory last Friday when the frosh caged their senior squad and edged Pomona's young fleet, 65-6, as Nielsen and Walter posted three points apiece.

Ricketts 2, Ruddock 1
Dabney 8, Blacker 7
Ruddock 4, Lloyd 2
Ricketts 3, 3
Blacker 2 4 6
Page 2 4 6

CALIFORNIA TECH Page Seven
Soccer  
(Continued from page 7) keep him off the field for some-  
time, and a new center-forward  
has to be found.
On Friday at 3 P.M. the var- 
sity meets Pomona in Tourni- 
ment Park. Since Pomona de- 
feated UCLA last week, a win  
for Caltech would place them  
in a tie for first place at the  
halfway point in the season.
On Saturday morning the jun- 
ior varsity meets Anusa College,  
while the varsity faces Camp  
Pendleton. Both games are at  
Tournament Park.

Football Loses  
(Continued from page 6)  
sible for the only touchdown  
in the third quarter. Later, the  
Leopards were close to another  
touchdown when Ron Koretz re- 
covered a fumble on the Caltech  
twelve yard line. When Caltech  
failed to move the ball, Charles  
Holland punted for  

Tournament Park.

Even More EPC  
(Continued from Page S)  
Every poll indicates that they  
could benefit from having a se- 
parate humanities class. The  
biggest objection to this appears  
to be one of scheduling, which  
could be solved if classes met  
at eight or after 4 p.m.

The topics of math and P. E.  
are those for which less specific  
ideas have evolved. The com- 
mittee has watched the new  
system of math classes with inter- 
est but needs further ideas. The  
P. E. program is always under  
consideration. In the past part  
of the problem has been that of  
gathering student opinion. Here  
again, the EPC has several ideas  
including polls and petitions but  
no definite plan of action.

Organization of EPC  
EPC is a student committee.  
For this reason minutes of the  
meeting are posted in House bul- 
letin boards and anyone is wel- 
come to attend the Tuesday  
meetings in Chandler. Possibly  
more open meetings will be held  
in various House lounges after  
the evening meal to gather student opinion on specific issues. The commit- 
tee's powers are limited only to  
making suggestions, but most  
departments appreciate we'll  
backed and thought out sugges- 
tions, and these are welcome from  
interested students at any time.

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- Systems
- Cryogenics

HYDRAULICS-RANDED Laminar Flow

PHYSICS, NUCLEAR PHYSICS & SCIENCE
- Energy Conversion
- Atomic Power
- Induction & Reactor Studies
- Underwater Acoustics
- Thin Films
- Radiosonde Field
- Generator Development

PROPULSION & THERMODYNAMICS
- Fluid Dynamics
- Advanced Space Propulsion
- Mechanical Aspects
- Aircraft Reactors

MATHEMATICS (Applied)
- Classical Mechanics
- Mathematical Models
- Dynamic Programming
- Systems Optimization

METALLURGY
- High-Temp Materials
- Solid State Devices

EXPERIMENTAL OR INDUSTRIAL PSYCHOLOGY
- Human Factors Field

ON-CAMPUS INTERVIEWS NOVEMBER 7

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