

California Tech

Associated Students of the California Institute of Technology

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Pasadena, California, Thursday, October 5, 1961

Number 3

Dance Class To Commence Wednesday

ASCIT Dance Class will meet for the first time next Wednesday, October 11. Contrary to popular upperclass cynicism, Dance Class is the best way to learn to dance; it is undeniably the cheapest.

The organization of the class has been completely changed this year in order to make it more suitable to the needs of Techmen. This year there will be a new teacher, and the type of instruction will be changed. An attempt will be made to teach a few common steps well, and, with this in mind, it is hoped that most people can attend the whole series of eight lessons. Instead of having one beginning and one advanced class, both of which last for an hour, there is to be a much-shortened period of instruction followed by more practice and social dancing. The whole class will last for only an hour and a half, and the classes will not extend beyond Christmas. ASCIT Dance Class is, by the way, an excellent place to meet girls.

Since the lessons are based on all of the preceding ones, tickets will be sold for the entire series. The price for the series of eight lessons is four dollars; the tickets may be obtained from Pete Metcalf, Ray Barglow, or all House social chairmen. In addition, one may attend individual classes for 75 cents.

Notices

CLUB SENDING FREE RADIOGRAMS

The Caltech Amateur Radio Club is again sending free radiograms to anywhere in the United States. All one has to do is scribble out 25 words or less, including full addresses and phone numbers. Drop it in a campus mailbox to "Caltech Amateur Radio Club, Box 101," and it will be on the air that night.

GLEE CLUB NEEDS A PIANIST

The Caltech Glee Club is in serious need of a pianist-accompanist. A freshman or sophomore is preferred so that he could become chief accompanist for the club next year. If interested, please contact president Larry Kugler, Lloyd House, or, if you prefer, you may contact Mr. Olaf Frodsham in Culbertson Hall, Tuesday evenings or Thursday mornings or afternoons.

MANAGERS NEEDED

A number of managers are needed for the soccer and for the frosh water polo team. Full PE credit is given for this highly responsible job, plus the trips with the team.

JOB INTERVIEWS BEGINNING SOON

Job interviews for Ph.D.'s will begin the week of October 16 and continue through December 8. Interviews for B.S. and M.S. candidates, as well as for summer jobs, will begin on January 15 and continue through about March 9. A detailed schedule of companies who are interviewing will be issued by the Placement Office early next week.



Peggy Seeger and her banjo.

Medical Club To Organize

There will be an organizational meeting tonight at 7:30 p.m. in 206 Dabney for all undergraduates who are tentatively planning to attend medical school. The purpose of the proposed organization will be to provide more contact between prospective medical students and members of the faculty specializing in medical research, offer information that will aid students in choosing a medical school, and keep the students better informed of developments and opportunities in the field of medicine.

Totem Sponsors Literary Contest

In order to tap that vast reservoir of Tech literary talent, Totem is sponsoring a contest to be held during the first term of this school year. Twenty-five dollars will be awarded for the best piece of fiction, twenty-five for the best essay and twenty-five for the best poem.

Students are urged to submit their work as soon as possible, even though contest manuscripts will be accepted up to January 3, 1962. Contest contributions should be submitted to Dr. Piper, 306 Dabney.

SUBSCRIPTIONS

Subscriptions to the **California Tech**, sent by mail weekly, are available at \$1.00 per term, \$3.00 per year. Contact Circulation Manager Howard Monell, Dabney.

LETTERS

Letters to the Editors of the **California Tech** are most welcome. They should be addressed **California Tech** and placed in the campus mail by Monday morning for the following Thursday's paper.

BUT NEVER EGGS

Saga Turns Over Managers

By RICHARD KARP

As Saga Food Service opens its second year of catering at Tech, the great Gods of Catering have seen it fit to change the management of Saga at Caltech. So, I went to the Saga offices to find out what was cooking. When I arrived at the office, I was handed a pamphlet that, among other things, implied the Institute was making a profit on our food (not true) and also claimed that Saga guarantees quality and satisfaction in service (?). Anyhow, after being entertained by this bit of reading material, I was taken into the inner sanctum of the Saga offices to meet Troy O'Brien, area supervisor.

The structure of Saga is essentially simple. First comes O'Brien, who is supervisor of Immaculate Heart and Caltech (what a combination!). Under him is Bob Shaw, director of

(Continued on Page 2)

MacColl, Seeger To Sing At Tech

Much-acclaimed folk artists Peggy Seeger and Ewan MacColl will perform in Chandler Dining Hall on Thursday, October 19, at 8 p.m., under the sponsorship of the Caltech YMCA.

Student admissions will be 85c and general admissions \$1.25, according to Larry Rabinowitz, who is managing the event for the Y.

Not Stale

MacColl, who limits himself to one tour per year, (never more than two months long) and sings different songs in each performance in order to avoid "growing stale," has made numerous college appearances.

In a classroom discussion following one concert he pointed out that the folk-music revival, which began in the U.S. about 25 years ago, only began about 10 years ago in his native Britain. This was sparked by the London recordings in 1950 of the famed American Negro folk singer Leadbelly's compositions.

Banjo Business

Sales of banjos in London subsequently jumped from 6,000 to 184,000 per year, in one year!

MacColl has also observed that folk songs do not necessarily originate in a pastoral culture as is often believed. "Strangely enough," he points out, "Britain's best traditional songs come from the industrial sections."

Playwright

MacColl has written eight plays, one of which, "Uranium 235," ran for 30 months in London and is now in its third year on the Berlin stage.

Peggy

Though American-born, Peggy

Seeger also makes her headquarters in London. Sister of Pete Seeger, one of America's finest folk singers, Peggy was born in 1935, in New York, at about the time her parents were engaged in arranging and transcribing folk music from the Library of Congress field recordings, in collaboration with the Lomaxes and Carl Sandburg, in producing near-encyclopaedic tomes full of music lore.

She learned during her childhood to play the piano, guitar and five-string banjo; later, went to Radcliffe and recorded her first record, **Folk Songs of Courtship and Complaint** (for Signet Records, since re-released by Folkways), in a group which included several MIT students.

Traveler

She has studied, performed and just traveled in the Netherlands. (Continued on page 5)

Nominations For ASCIT, Senior Athletic Manager

Nominations are open for the offices of ASCIT Athletic Manager, Senior Class Athletic Manager and Senior Class Treasurer. These positions will remain open for nomination until Monday evening, October 9, Joe Bocklage formerly held the position of the ASCIT and Senior Athletic Manager and John Denyes was Senior Treasurer.

Written nominations should be handed in before the deadline to either Jim Sagawa, Dabney, or Bob Koh, Page. Elections will be a week from today, Thursday, October 12. In the interim, John Arndt is serving as temporary ASCIT Athletic Manager.



Editorial

Anti-What?

Hollywood is not to be outdone. I understand that October 16 will be a red-letter day for our glamorous neighbors: the world-famous Hollywood Bowl will be full, the limosines will discharge luminaries, and Dr. Fred C. Schwarz will take the stage to warn the world once more about the Communist conspiracy. Those of you who spent the summer in Los Angeles may well recall the heralded "Southern California School of Anti-Communism" which was held in the Sports Arena. I must confess that I recall only too well. Buying ads in the local papers for weeks beforehand, Schwarz, as head of the Christian Anti-Communism Crusade—a group which **The Reporter** calls "political evangelists"—foretold of a great week of instruction and revelation. He promised an up-to-date picture of the Communist conspiracy—motives, activities, structure, and most important, what the average person could do to rout out the seemingly millions of card-and-knife carrying spies who live among us.

It was pretty good as rightist rallies go. Herb Philbrick (**I Led Three Lives**), Sen. Dodd (of Linus Pauling fame), Major de Seversky (**Victory Through Air Power**), Cleon Skousen (**The Naked Communist** and Culbertson Hall) as well as other noted statesmen (Ronald Reagan, John Wayne, Roy Rogers) spoke with enthusiasm and power, even if they made no more sense than a doll which cries "Mama" or "commie" every time you push the right button. Actually Schwarz stole the show.

He spoke every night to a wildly responsive crowd (especially large on Youth Night when the customary admission charge was waived in order that the youth might get the real story instead of that socialistic stuff the schools feed them), telling about the soul of the Reds, the history of the world, and telling amusing anecdotes about the poor, misguided liberals who need to return to the fold of Americanism. Schwarz will be a featured speaker on October 16. Skousen is also scheduled to be there, but the good doctor will undoubtedly steal the show in his humble way.

I wouldn't feel really compelled to bring this whole issue up if any one of the Los Angeles papers would dare to take an honest look at the situation. Not one of them has had anything but praise for the dangerous half- and no-truths that this "noble group" promulgates under the guise of Americanism. And I'm willing to bet that none of them comes out with anything but fine praise for their repeat performance in the Bowl. The reason seems to be that they are either afraid that criticism of an organization which is supposed to represent Americanism would be misconstrued as anti-American, or that they honestly believe that this strong pull to the right is really best for the country. I don't believe either.

If anyone else on campus is interested in the Christian Crusade or any similar organization, feel free to drop a letter to the **Tech**.

—abell

IHC Answers;
Vows Success
LETTER

Editors:

A number of misconceptions have arisen concerning the IHC and its duties. The IHC is an organization composed of representatives of the seven Houses, headed by a president. We feel that the eighth man is certainly an aid to the smooth functioning of our group and, consequently, Bill Hogan will be missed as head of the IHC.

The duties of the IHC are to gain certain benefits for the students in all Houses, including parking facilities, rehabilitation and improvements for the Houses, as well as resolution of InterHouse affairs. While last year's group may have had some difficulties, thus far, the present IHC has been faced with no problem of major proportions which could conceivably justify the cry of "Ineffective." We are, however, anticipating issues of comparable proportions this and next term, and feel entirely capable of handling them efficiently. We would suggest that criticisms be withheld for the present, and be made only if and when such claims are justified.

The InterHouse Committee

Saga Men
Switched

(Continued from page 1)

food services at Caltech. Under Shaw are Jim Eldridge, specializing in the Greasy; John McGuigan, concerned with the new Houses; and Phil Greenstead, concerned with the old Houses. Other Saga management workers include last year's holdover, Wayne Blacksher, who, in Saga's management directory, is being "phased out."

Saga, according to O'Brien, feels that its principal duty is to avoid "institutional cooking," which it feels is caused by having a "cycle" of meals. To get away from this, national menus, which are followed about 90% at Caltech, choose entrees on a random method.

Some of the questions which I asked O'Brien gave interesting results. O'Brien feels that there is no dish that Saga is especially excellent or poor on, and student dislikes are primarily regional preferences. All of this information was presented to me with great enthusiasm as well as with charts, graphs, and pictures. In fact, after my interview, I wondered whether, among management at least, Saga could ever make a mistake.

Y Film Series
Schedule Set

On various Sunday nights throughout the year the Caltech Y is presenting a series of films of general interest to Tech students. The films are presented in Culbertson Hall at 7:30 p.m. Tickets are 75c for singles, \$2.00 for the term, and \$4.50 for the year; they may be obtained in the Y office or at the door.

The remaining films for this term are **Cry, The Beloved Country**, October 22; **Picnic**, November 5; and **Kismet**, November 19.

McCombs Blasts
Student Houses

This is another article by Larry McCombs, Tech graduate who is now studying at Yale. Last week's article (which contained strictly McCombs' own opinions) was on the Caltech education. This week's is on the Student House organization.

By LARRY MCCOMBS

In 1930 Caltech decided to build some form of student housing. A committee of nine undergraduates were given leaves of absence to travel at Institute expense to Harvard, Yale, Princeton, M.I.T., Cornell, Pennsylvania, Chicago, Duke, Williams, Swarthmore, Haverford, Annapolis, West Point, Oxford, Cambridge, and the Universities of London, Paris, and Toronto to study living conditions. They returned with many recommendations, most of which were incorporated in the design and administration of what are now known as the four old Student Houses.

In 1959 the Institute decided that crowded conditions warranted the construction of additional Student Houses. The architect met with a few members of the administration and designed the three new Houses, for the most part ignoring such recommendations as the Master of Student Houses and the students had undertaken on their initiative.

Thirty Years

The change of attitudes between 1930 and 1960 can be seen in all parts of Student House life. The administration attempts to exercise ever greater control over the students until the Master of Student Houses has been reduced to fighting a "rear-guard action"—despairing of retaining for long such freedoms as the students now have, much less gaining additional privileges.

We Hold These Truths . . .

It is important that students become aware of this struggle and actively defend their rights if they are to retain them. Fighting against the UCC's or against the Master of Student Houses only divides the forces and adds weight to administrative officials who argue that the Houses need more supervision. The Executive Committees, UCC's, and other responsible groups and individuals should give careful consideration to current trends and means of changing them.

Committee of Nine

When the Houses were planned, the Committee of Nine set forth certain objectives for them: to create and maintain an environment "which will permit a man to enjoy his leisure time in pleasant and congenial company"; to organize themselves as self-governing bodies; to operate "so as not to be a finan-

cial burden to students of moderate means"; and to organize their social programs "to supplement rather than detract from or lessen the high quality of scholastic work" required at Caltech.

Libraries

Particularly in the latter case the Houses have been making a very poor showing. When the original plans were made, each House was to have a library of "non-technical books for pleasure and general educational reading." These libraries were abandoned when it became necessary to use the rooms for students. Today the Houses are uncrowded enough that such libraries could and should be restored. Here at Yale, each residential college has a library containing not only books for recreational reading, but also many reference works and the texts and recommended reading books for all courses offered at the University. Such libraries would be invaluable additions to the Houses.

Informal Faculty?

In the matter of faculty-student communications, the Houses are missing a great opportunity. Informal visits to the Houses by faculty members should be encouraged. Small seminars and discussions, as well as regular classes, could be held with great benefit in the Houses. The Houses should supplement the YMCA's activities by inviting interesting persons living or visiting in the L.A. area to drop in for discussions with the students.

New Houses

The new Houses have all the homey and traditional comforts of a modern chrome-and-porcelain bathroom, but even these antiseptic surroundings could be made much more collegiate if some intellectual growth were occasionally permitted to take place therein. Water fights and purity tests are fine, but why should serious scholastic pursuits be pushed to a shameful status by these recreations? The anti-snake attitude of Techmen just doesn't make sense.

To summarize: The Houses are now operating under handicaps of administrative pressure and inappropriate physical facilities. The chief interests of students in positions of responsibility should be 1) to protect the self-governing nature of the Houses and 2) to find ways to help the Houses better serve their members, particularly in the intellectual realms.

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Breakfast Lunch Dinner

a hand of BRIDGE

By BILL TIVOL

NORTH

S — K 3 2

H — A Q J 9 8

D — 6 4 2

C — Q J

WEST

S — Q 9 8 6 5

H — 3

D — 10 3

C — 10 9 8 7 6

EAST

S — 7

H — 7 6 5 4 2

D — Q 8 5

C — A K 3 2

SOUTH

S — A J 10 4

H — K 10

D — A K J 9 7

C — 5 4

There are three types of three no trump contracts which you must defend. The first is the three no trump which is cold. This is uninteresting, since no amount of brilliant defense will help. The second is perhaps the more common and less interesting of the remaining two. It is the contract which can be set if the defense can run one suit before the declarer can get nine tricks. The third kind of contract is the most difficult to defend, and the proper leads often seem unnatural. This is the contract where the declarer has only eight tricks unless an opponent makes a lead which gives him the ninth.

In today's hand, West is faced with the choice of two suits to lead. Of course, in this case luck has everything to do with the final outcome. But West should try to find any straw to grasp which might help him to decide what lead to make. In order to run the spades immediately, East must have the ace, king and one other spade. To run the clubs, East needs the ace, king, and two others, but now the queen of spades is a possible entry. It is likely that West's suits are longer than East's black suits, and it would be folly to lead a red suit. Ordinarily, in an entryless hand, it is wise to lead to possible strength in your partner's hand, but in this case your hand is the more likely to set the contract. The bidding indicates this. South has shown some heart strength by his bid and it is seldom wise to lead declarer's rebiddable suit.

So far, at least in my experience, the clubs and spades are about equally likely choices. However, there are two straws left to clutch: When a good player bids three no trump, he almost invariably protects against the opening lead of the unbid major, and if declarer has only eight tricks (highly unlikely from the bidding) the lead away from the spade queen may produce the ninth trick. Both these admittedly tenuous lines of reasoning point to the club lead.

The advice in this column is by no means exact in the sense that if you clutch at straws you will always set contracts. But if all else is equal, often the straws make the difference between a sheer guess and a better than average chance at a set.

Erratum: Last week's East and West hands were inadvertently switched. Also, the last line of the third paragraph should read "Or he can depend on the three-three heart split."



By JOHN BERRY

There are still a few days left when a cooler will be in order. I suggest the following, a variation on the Derby Special.

THE GREEN DERBY

2 oz. Brandy (with Bourbon it's the Derby Special.)

½ oz. Mint Gin

1 Green Cherry

Ginger Ale

Put the bourbon and gin into a glass filled with crushed ice; stir well. Add ginger ale and stir again, but only slightly this time. Garnish with cherry.

Kloke's does not have mint gin, so you'll have to go farther afield. The store which was Boorman's the last time I was there had a brand called Mohawk, which was quite serviceable. Old Mr. Boston is better, but I don't know where to find it.

I received quite a few comments this past week on my using too many expensive and/or unobtainable ingredients. If Creme de Cassis is too expensive for your wallet, feel free to substitute. I would suggest Danish Cassis, a Vemcom specialty wine, or Cassis Kijafa, a competing Danish red currant wine. I won't comment on the possible unobtainability of some of my other ingredients.

As an answer to those people who think I'm advocating buying out a liquor store in order to follow my recipes, until further notice I will use only drinks from one or the other of the two basic bars, or their union. In the first basic bar are the six major drink bases: Bourbon, Scotch, Vodka, Gin, Rum, and Brandy; the two major wine ingredients: Sweet and Dry Vermouth; and one liqueur: Curacao. Non-alcoholic extras include orange juice, lemon juice, grenadine, Angostura Bitters, orange bitters, mixers (coke, club soda, etc.), and sugar. This bar makes a maximum number of drinks with a minimum number of ingredients.

The second basic bar makes a maximum of the basic drinks. It has the same bases and wines, but two liqueurs: Creme de Menthe and Creme de Cacao. Its extras are lime juice, lemon juice, grenadine, Angostura, mixers, sugar, and cream.

Physics Club Meets Wednesday

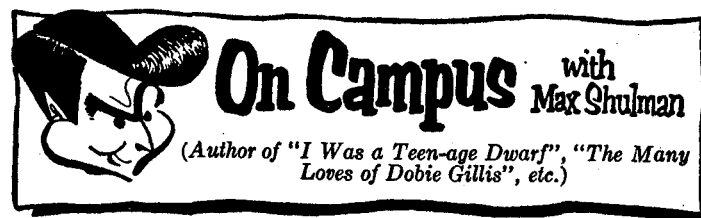
The Physics Club, long an organization devoted to quiet weekly meetings attended by few, this year is beginning a revitalized program of acquainting the physics undergraduate with physics and with the faculty.

Recently new interest has been generated in the club as Dr. Thomas Lauritsen, the present adviser, will be assisted in

the future by Dr. Ricardo Gomez, senior research fellow in the Synchrotron. Dr. Gomez is well known at the Institute as a genial bongo-playing cause celebre for happy physics.

The first meeting of the year will be held Wednesday, October 1, at 8 p.m. at the Synchrotron. Alvin Tollestrup, Associate Professor, will give a sum-

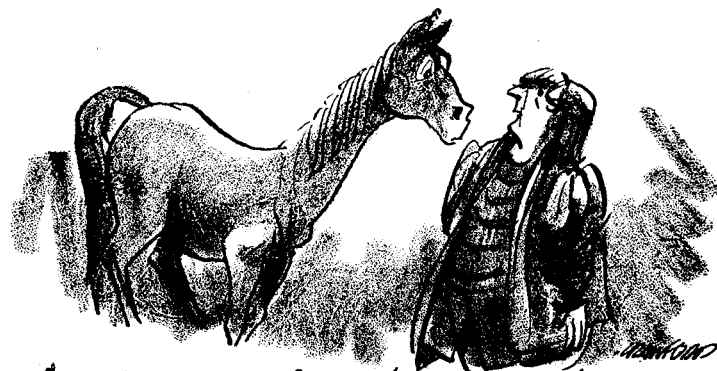
(Continued on page 5)



SAIL ON, SAIL ON!

I suppose October 12 is just another day to you. You get up in the ordinary way and do all the ordinary things you ordinarily do. You have your breakfast, you walk your ocelot, you go to classes, you write home for money, you burn the dean in effigy, you watch Howdy-Doody, and you go to bed. And do you give one little thought to the fact that October 12 is Columbus Day? No, you do not.

Nobody thinks about Columbus these days. Let us, therefore, pause for a moment and retell his ever-glorious, endlessly stirring saga.



Columbus never wanted to clap eyes on a horse again...

Christopher Columbus was born in Genoa on August 25, 1451. His father, Ralph T. Columbus, was in the three-minute auto wash game. His mother, Eleanor (Swiftly) Columbus, was a sprinter. Christopher was an only child, except for his four brothers and eight sisters. With his father busy all day at the auto wash and his mother constantly away at track meets, young Columbus was left pretty much to his own devices. However, the lad did not sulk or brood. He was an avid reader and spent all his waking hours immersed in a book. Unfortunately, there was only one book in Genoa at the time—*Care of the Horse* by Aristotle—and after several years of reading *Care of the Horse*, Columbus grew restless. So when rumor reached him that there was another book in Barcelona, off he ran as fast as his fat little legs would carry him.

The rumor, alas, proved false. The only book in Barcelona was *Cuidar un Caballo* by Aristotle, which proved to be nothing more than a Spanish translation of *Care of the Horse*.

Bitterly disappointed, Columbus began to dream of going to India where, according to legend, there were thousands of books. But the only way to go to India was on horseback, and after so many years of reading *Care of the Horse*, Columbus never wanted to clap eyes on a horse again. Then a new thought struck him: perhaps it was possible to get to India by sea!

Fired with his revolutionary new idea, Columbus raced to the court of Ferdinand and Isabella on his little fat legs (Columbus, though six feet tall, was plagued with little fat legs all his life) and pleaded his case with such fervor that the rulers were persuaded.

On October 12, 1492, Columbus set foot on the New World. The following year he returned to Spain with a cargo of wonders never before seen in Europe—spices and metals and plants and flowers and—most wondrous of all—tobacco! Oh, what a sensation tobacco caused in Europe! The filter had long since been invented (by Aristotle, curiously enough) but nobody knew what to do with it. Now Columbus, the Great Discoverer, made still another great discovery: he took a filter, put tobacco in front of it, and invented the world's first filter cigarette!

Through the centuries filters have been steadily improved and so has tobacco, until today we have achieved the ultimate in the filter cigarette—Marlboro, of course! Oh, what a piece of work is Marlboro! Great tobacco, great filter, great smoke! And so, good friends, when next you enjoy a fine Marlboro Cigarette, give a thought to the plucky Genoese, Christopher Columbus, whose vision and perseverance made the whole lovely thing possible.

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And thank Columbus too for the king-size Philip Morris Commander. If unfiltered cigarettes are your choice, you'll find Commander the choice of the unfiltered. Welcome aboard.

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Tech Splashes To Lead Over San Fernando

Bruce Chesebro scored six goals to lead the Beaver water polo team to a 9-8 victory over San Fernando State in the season's opening game at Alumni Pool on Tuesday. Leading 7-4 at the end of the third quarter, the team managed to fight off a strong push by the visitors in the final seven minutes to clinch the victory.

The Beavers got off to a slow start in the first half and at one point the Valley Staters were leading 4-1. However, two scores by Chesebro, both set up by infractions near the goal, made it 4-3 at halftime. In the third quarter the Techmen, shooting at the deep end, piled up their lead with four more goals: Two by Chesebro assisted by Gary Mitchell, one by Pat Manning, and one by Tom Crocker who brought the ball all the way from back court to score single-handedly. At the same time the Tech goalie, Erland Eykelenboom led a charmed life with a number of seeming sure shots going wide. In the fourth quarter the visitors scored four in the somewhat-easier deep end while the Beavers scored two more to hang onto the victory.

The contest itself showed all of the earmarks of an early-season battle with both teams making many blunders. The Beavers did not so much win the game

as the Valley Staters lost it. Missed scoring opportunities, bad passes, and careless guarding were quite common on both sides. Many players at times seemed unaware of the play at the moment. Much work is going to have to be done if the Beavers are to regain the coordination and teamwork which took them to the conference championships last year.

Bruce Chesebro was undoubtedly the star of the Tech team with his six goals and general very alert ball-handling. Gary Mitchell also contributed much to the victory with some excellent playing. Three sophomores, Mike McCammon, Dave Seib, and Tom Crocker looked like welcome additions and performed quite well. Jim Shaw is also much improved over last year and should add needed depth.

On Friday the Beavers host PCC in a non-conference match here. Nothing is known about the strength of the visitors except that they ran over Riverside 34-2 in their home pool.

Saturday morning is the annual Alumni game which pits the skills and knowledge of the grads against the stamina of the varsity. The two factors usually balance out and provide an interesting ball game.

Soccermen Hit Biola Saturday

By BILL HOWARD

With a wealth of returning team members and several very promising newcomers, the Beaver soccer squad anticipates an unusually bright season. Don Weiberg, the captain and goalie of the 1958 waterpolo team, is returning as the soccer goal tender. George Seielstad, a graduate student, is competing with Joel Young, Wes Shanks, and possibly Mike Forney (a transfer student who formerly played fullback in football) for the fullback positions. For the position of halfback, Tom Latham, Herb Chen, and that fourth year expert, Dick Chang are vying. Joe Kwok, one of the sharpshooters on last year's squad, along with the veterans Osias and Davis, was cited by coach Andrews as a superb possibility for the forward line. This list could not be complete without mention of George Argyropoulos, whose infallibly accurate shooting and surpassing teammanship will provide a great impetus to the team's success.

New Men

A survey of the new men turns up even more possibilities for the coming season. Bill Behrens, a tall, blond German, demonstrates impressive skill in ball handling, as does Werner Peukschaff, a possible choice for the right wing spot. Two more graduate students, Bill Anderson, a former basketball player, and Kerdenelides, a hopeful for the right inside spot, complete the list.

The games scheduled for the next few weeks are as follows:

October 7	at Biola College
October 14	at Riverside
October 21	at UCLA
October 28	Pomona

8 Report For Harrier Varsity

By CHARLES MICHENER

Over in Tournament Park each evening dedicated bunches of rapidly perambulating protoplasm are undergoing frantic gyrations. These Techmen are in training for one of the tougher individual and more unusual team sports — cross country. Their squads are small for intercollegiate sports—8 varsity (2 seniors, 2 juniors, and 4 sophomores) and 7 frosh.

Each man must realize that his effort, while being quite rewarding personally, is extremely important to the team score and the school's record. Caltech's record is amazingly good for a strictly "amateur" school; in the past two seasons at conference competition level, Tech has won all 12 of its dual meets. Last year Tech finished second to Oxy in the conference meet.

Cross country, as the name implies, is a track distance meet conducted over varying cross country terrain. The scoring is by totaling the numerical placing of the first 5 of your team of 7; the low scoring team wins.

People who doubt the strenuousness of cross country should try to run or even walk the 3 to 6 miles covered on the run by our team. One frosh advantage the coach, Walter Mack, pointed out is that one becomes much more rapidly adjusted to the recurring climatic condition now prevalent—smog.

The varsity this year has been weakened by the graduation or ineligibility of 5 members, but all but two of the varsity have participated on either varsity or frosh teams. These are Seniors Art McGarr and Al Whittlesey; Juniors Jim Williams and Nishan Krikorian; and Sophomores Dennis Holt, Ed Lee, Harold Nathan, and Thor Hanson.

The first meet this year is at Whittier on their rough and hilly course, Oct. 27. Our first chance to show these guys that we appreciate their effort will be in our first home meet with Pomona, Nov. 10.



Beaver Chips

By Noll

Azusa? You're Kidding!

The first lamb to be led to slaughter will be Azusa. Rumor is out that several football players are really feeling vicious (don't be fooled by the giggles). Caltech is favored to win by everyone but the Caltech student body—a peek at the Viceroy Forecasting Contest reveals Techmen favor Azusa by five touchdowns. (Techmen don't read Norman Vincent Peale.)

At the risk of causing mass disappointment among the prognosticators among us, chances are fair that we'll win, good that it will be close, and excellent that it won't be a runaway. Here is the incisive rationale!

First, the Beavers have had more practice before the first game than usual. The athletic department demonstrated keen intelligence by scheduling the first game so late in the term. Mainly they canceled the Cal Western game. Although Azusa has already played twice, which is a real disadvantage to the Beavers, the net effect of holding off until the players are in reasonably good physical shape should be beneficial. (Jack Arnold's gut is half as big as it was at the time of the first game last year.)

Second, the game will be played Saturday afternoon at Caltech. This is worth more than the normal "home field" advantage. The Azusans won't be used to our lovely smog, but we've been practicing in it for a month now! By the end of the third quarter, look for the Azusa players to start having heart attacks. Meanwhile, victory-loving Techmen should go to all the war surplus stores and buy gas masks—prevent Azusa from using a secret weapon.

Third, Techmen have desire! The coaching staff is expert in channeling this desire into football energy. Actually, the team could win four games this year (Azusa, Riverside, Southern California College, and Claremont-Harvey Mudd). It depends upon the Azusa game—a good start will provide the impetus for a (gasp) winning season!

So tough luck for you pessimists that bet on Azusa. We positive thinkers know the score—and it ain't 27-0, Azusa, John Arndt!

CFSAFST Rides Again

The Caltech Faculty, Staff, Alumni and Friends Soccer Team, led by venerable mentor (that's what it says on his jacket) Dr. Robert Huttenback, will loose its fury on the Junior Varsity soccer squad this Saturday morning at 10:00, at TP. Known affectionately as the Senile Seven Plus Four, the doddering gentlemen usually hand the students quite a lacing. Dr. Huttenback is always in the market for ambitious players, and will welcome anyone associated with Caltech to join the team. Interested soccerers should see Dr. Huttenback before gametime Saturday if they want to play the whole game.

Non-soccerers are also welcome as spectators—if they cheer for the Good Guys, i.e. the CFSAFST.

IH Softball Begins Year

The losses suffered by the co-holders of the InterHouse Trophy, Dabney and Ruddock, on the opening day of softball competition Monday promise a wide-open InterHouse scramble this year.

The Darbs lost to Page in a wild ball game by the score of 10-9. Almost all of the scoring occurred in the first inning when the victors tallied nine runs and the losers eight with the aid of innumerable bases on balls. After this hectic inning, the game settled down into a pitchers' battle. Dabney tied up the game in the top of the third only to have Page come back to win it in the last half on Bob Hearn's home run. Roger Noll, the winning pitcher, did an excellent job after relieving in the first inning.

In an ever more exciting game, the men of Blacker outlasted Ruddock 8-7. Blacker won this game by scoring four runs in the last half of the final inning to overcome a 7-4 deficit. Dick Robertson singled in the tying run with two out and then scored the winning run a few moments later on winning pitcher Steve Teiglad's clean hit.

The close scores offer evidence of the balance present in the softball league this year. Any team can beat any other team on any given day. This balance should cause a great deal of excitement as the Houses continue their round-robin series in the first InterHouse sport.

Freshman Football Coach Confident of Winning Season

"This year we will break the losing tradition of the former frosh teams," Coach Willard Craft stated at last Monday's opening practice of the freshman football team. Eighteen enthusiastic men who play football for the fun rather than the glory involved, make up this year's squad. They are under the able leadership of Willard Craft and John Woodward.

With games against Oxy, Pomona, and Claremont-Mudd, the hopes are high for a winning season. John Evans, fullback, should be one of the outstanding backs in the league. With Chuck Holland, Steve Garrison, Jim Stadler and Dave Jackson making up the remainder of the backfield, we should have a powerful and fast unit. The line lacks depth because of the number on the team, but Guy Jackson at guard, Barry Dinius at tackle, and Steve Hall at end should turn in a good job. The line averages around 170, which should be sufficient for this league. After all the frosh handled the varsity pretty well Saturday in a scrimmage. The varsity won 18 to 6, but they didn't run over the frosh in any way. Two of their touchdowns came on passes and one on a sustained drive. The lone frosh touchdown came on a long run by John Evans.

With more practice and hard work, the frosh feel confident that they will have a winning season. The first game is with Oxy on Oct. 14 at 10 a.m. on the Caltech field.

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Gordon Relates Details of Trip To Russia; Visits Eastern Europe On Y Planned Trip

By BARRY GORDON

In this age of tourism and jets, traveling abroad is so common that anyone attempting to describe his own recent journeys may meet bored ears or accusations of status-seeking. The description of my own trip to the Soviet Union would similarly suffer, but for two facts: still not many Americans are venturing through the Iron Curtain, and the Soviet Union is of particular interest because we are being forced to learn more about this very potent and dangerous challenger to our way of life. I neither have the desire to write a travelogue nor the insight to produce a knowledgeable analysis, so I am hoping for some sort of compromise between triteness and profoundness.

I was one out of about sixty students who went to the Soviet Union his summer as par of a governmentally negotiated U.S.A.-U.S.S.R. Student Exchange Project. Our itinerary was arrived at through the same haggling and negotiation as any other formal treaty. Considering the problems involved, and the fact that negotiations concluded only one week before we left, it was amazing that the itinerary was so satisfactory. The Soviets can be very formalistic about such matters as treaties, and they even accused me of breaking the agreement when I tried to wander outside of one of the cities unescorted.

I traveled with eleven students in a group sponsored by the National YMCA-YWCA. We came from various schools across the country and were supposedly rigorously selected. But I myself am living proof of the gap between the type of student wanted and that obtained. For instance, although Russian fluency was very much to be desired, I had only studied the language one year. Thus, although I could engage in mundane conversation, most political discussions were beyond me.

The heart of my summer was the forty days spent in the USSR and one week each in Budapest and Warsaw. Before arriving we spent four days in New York and ten days on boat studying the Soviet system, the Russian language, and the American problem — spots we might be called upon to defend. The latter turned out to be of little use, for hastily learned superficial answers are no substitute for a lifetime of frank appraisal of our own problems. And we tried to avoid emotional arguments in which the Russians would call "race hatred" or "U-2" while we countered with "Hungary."

On the other hand, we could argue over Hungary rather effectively, since we spent a week in Budapest before entering the USSR. We found the people of Budapest very friendly, partly due to the novelty of seeing Americans — our State Department hadn't allowed tourists into Hungary until 1960. Moreover, the Hungarians were friendly in spite of the resentment which some felt over our failure to aid them in their revolution. Few listen to Radio Free Europe any more, for they were greatly disillusioned by its false promises of American assistance before 1956.

When Russians would state that the Hungarian "counter-revolution" was begun and led

by foreign agents and ex-landholders who wanted to gain their property back, we had some interesting data to present. We could talk about our hotel, where the entire first floor was rebuilt since Russian tanks eliminated a student stronghold. We could describe the bullet holes from 1956 still dotting many of the apartment buildings. Most important, we could relate conversations we had with students who either themselves participated, or more likely, who had brothers and sisters now outside Hungary who participated in the uprising. And then some of the more knowledgeable Soviets would admit that the revolt was a popular movement against the "Stalinist, non-progressive policies" of Rakosi. But now, they would say, all is well. I'll treat that important point in a later article.

Student Sports Camp

Our first extended stop in the USSR was ten days spent in a student sports camp. Each "college" has its own rest or sports camp where they may spend a costless 2 weeks if they are members of the Komsomol

(Communist Youth League), of which a majority of students are members, for such side benefits, and because of a lack of alternative youth groups. Our camp was composed of students from the Moscow Institute of Food and Light Industry, and they were about as disinterested in political conversations with foreigners as the average technical student (excepting Caltech, of course). Soviet youth in general like sports and nature very much, but consider political discussion to be solely for classrooms. The camp gave me a good opportunity to live among Soviet youth and to understand how they get along together, but it gave me me no insight into what we Westerners would call their "private" life. For instance, I met girls, who were by no means overweight or unattractive, in groups in threes or fours rather than singly.

After the camp, I spent a few days in Moscow, Riga, Leningrad, Stalingrad, Rostov, and Kiev, ending with a magnificent week in Warsaw. The next article will be devoted to more interesting topics such as the Russians' views on war and peace.



Folk Concert

(Continued from page 1)
lands, Europe, England, Moscow, China, Poland, Germany and France.

Anyone who is interested in helping out with publicity, ticket sales, or any other phase of preparation for the concert, should contact Rabinowitz in Page House.

Physics Club

(Continued from page 3)
mary and explanation of work in progress at the Synchrotron Lab; he will be aided by Dr. Gomez. Following this, those interested will repair to the house of Dr. Tom Lauritsen, 1559 Rose Villa, for beer, pretzels, and hobnobbing.

WHO is at work on a satellite system for global telephone and TV transmission?

WHO provides the communications channels for America's missile defenses?

WHO is girdling the globe with communications for America's first man into space?

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who?

WHO guided Tiros and Echo into accurate orbit?

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Open only to students and faculty members. Enter as many times as you want. Simply send an empty Viceroy package or reasonable rendition of the Viceroy name with each entry.

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1. Any student or faculty member on this campus may enter except employees of Brown & Williamson, its advertising agencies, or members of their immediate families. All entries become the property of Brown & Williamson—none will be returned. Winners will be notified within three weeks after each contest. Winners' names may be published in this newspaper. You may enter as often as you wish, provided each entry is sent individually. Contest subject to all governmental regulations. Entries must be postmarked or dropped in ballot box on campus no later than the Wednesday midnight before the games are played and received by noon Friday of the same week. The right to discontinue future contests is reserved.

2. Entries must be in contestant's own name. On the coupon in this ad or on an Official Entry Blank or piece of paper of the same size and format, write your predictions of the scores of the games and check the winners. Enclose an empty Viceroy package or a reasonable rendition of the Viceroy name as it appears on the package front. Mail entry to Viceroy at the Box Number on the entry blank or drop in Viceroy Football Contest Ballot Box on campus.

3. Entries will be judged by The Reuben H. Donnelley Corp. on the basis of number of winners correctly predicted. Ties will be broken on the basis of scores predicted. Duplicate prizes awarded in case of final ties.

4. Winners are eligible for any prize in subsequent contests.

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<input type="checkbox"/> Long Beach St.	_____	<input type="checkbox"/> Calif. Poly.	_____
<input type="checkbox"/> Iowa	_____	<input type="checkbox"/> Wisconsin	_____
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<input type="checkbox"/> I. S. U.	_____	<input type="checkbox"/> Kentucky	_____
<input type="checkbox"/> Calif. Tech.	_____	<input type="checkbox"/> La Verne	_____
<input type="checkbox"/> Oklahoma	_____	<input type="checkbox"/> Kansas	_____
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