

Arms Series Rolls Along; Moch Speaks

Last night Caltech students and faculty heard Mr. Jules Moch speak on "Why Disarmament Is Necessary and How to Police It." The lecture was the second in the Carnegie series on disarmament and arms control.

Next week's lecture will depart from the usual pattern of a Wednesday night lecture in Culbertson. General Bernard A. Schriever will speak on "The Air Force Space Program" next week, Thursday at 1 p.m. The lecture, to be held in 119 Kerckhoff, will include a short film. General Schriever has been commander of the Air Force Ballistic Missile Division since 1955.

TAYLOR'S SPEECH

General Maxwell D. Taylor, until recently Chief of Staff, U.S. Army, presented the first speech in the series Wednesday night, October 12. He spoke on "A Blueprint for National Security."

Taylor stated that the first thing necessary to plan national security was agreement on overall objectives; "there is little recorded guidance as to where we are headed or should head as a nation." The General stated that such a blueprint as he proposed was all the more necessary because America has suffered "loss to the Soviets of the lead in many important military and scientific fields."

He stated that the Soviets are pulling ahead in the struggle for power simply because they have dedicated more of their efforts than we to military and research problems. Taylor stated emphatically that America's bombing fleet was "obsolescent" compared to Russia's capabilities in missile delivery.

Taylor did say, however, that "while the Soviets in a first strike could damage our retaliatory forces seriously, (they) could hardly hope to prevent our forces from responding with a powerful blow." He continued on to say that this present stalemate in nuclear force is not ending limited warfare, but that such limited war was the kind most likely to occur under present circumstances.

When called to present his "blueprint," Taylor laid down four "essential elements" to be included in any plan of military strategy: an invulnerable long-range missile force, a fast mobile force to cope with small wars, effective military alliances, and procedure to insure optimum usage of available resources.

General Taylor stressed that mobile limited war forces would

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Sophs To Fete Frosh At Beach

Friday, October 1, will be the date of the Frosh-Soph Beach party sponsored by the Class of '63. It will be stag or drag and will last from 5 to 12 p.m. with dinner provided by the sophomores. Transportation can be obtained from Art Robinson, 7 Dabney; blind dates are available from B. Moritz in Ricketts. The location will be Playa del Rey beach, near Santa Monica.

Master Key Decree

The Board of Control shall henceforth consider the possession of any unauthorized campus key as a violation of the Honor System. The Board regrets a certain degree of ambiguity which has characterized this problem up to now, but it is hoped that this ambiguity will no longer exist.

For reasons that have been outlined in the past, the very existence of unauthorized keys, particularly master keys, creates an extremely undesirable, even dangerous, situation on campus. The Institute and its staff, all too often forgotten partners in the Honor System, are put at a real disadvantage; financially and with respect to privacy. Unauthorized keys cause increased insurance rates, decreased value of office space, and lost keys have been the cause of outsiders entering campus buildings.

If there is any legitimate need for a room or building key, an authorized key may be obtained by going to the office of the department concerned. The Institute has been very liberal in its issuing of keys.

Should anyone at present be in possession of such an unauthorized key, it should be destroyed or given to a BOC member. In any case, it should not be left in a condition so that it could be used in the future. All cooperation is appreciated.

Student Center Set For May Construction

BY CRAIG BOLON

Construction of Winnett Center, Caltech's new student union building, will probably start in about six months, and the building is expected to take at least eight to nine months to complete. This is the latest word from the Engineering Department at Building and Grounds. The student center does not yet have the trappings of an active project, since priority is being given to the new Graduate Houses. But the basic design and schedule of the building are presumably settled. All this means that we won't have a new center before the second term of next year.

Winnett Center was designed by Smith, Powell and Morgridge, architects for all the other new buildings. It will have three levels, including a basement, and its general appearance will harmonize with that of the new Student Houses. Pillars and liberal use of concrete are obvious features in the architect's views. The structure will contain approximately 17,000 square feet of floor space, enough to house all major student organizations.

The new student union is named for its subscriber in the current building program, Mr. P. G. Winnett. He has been active on the CIT Board of Trustees since 1939. He will pay for all of the building except the section occupied by the bookstore, which has agreed to finance its own facilities. The estimated total cost of the structure, including landscaping, is approximately \$500,000.

Bookstore, Student Body Offices

A major part of the first floor in the center will be occupied by the bookstore and by a large student lounge.

The Caltech YMCA will move from its present temporary quarters above the main warehouse to a suite on the second floor. A large recreation room has been planned for the basement. Also located in the building will be the offices of ASCIT, the "California Tech," the "Big T," and the Radio Club. The remainder of the space, except for physical facilities, will include several small meeting rooms and has not been definitely assigned.

This project represents the fulfillment of a long-pressing

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Thorne Excels In Speech Meet

Three Caltech speech team members attended a "Practice Individual Events" speech competition last Friday and Saturday, October 14 and 15, in San Diego under the direction of Mr. Dwight Thomas, faculty speech coach. The three team members who attended were upper-division member Kip Thorne, who won two "excellent" certificates; and freshmen Chuck Leonard and Richard Karp.

The practice speech tournament consists of several events in which each person competes individually. Competition is divided into lower division, freshmen and sophomores; and upper division, all others. There were four different events, only two of which could be entered by any one person because of scheduling conflicts.

Oratory, one of the four events, consists of reading a previously composed speech of a persuasive or inspirational style. Leonard represented Caltech in this topic. Interpretation, another event, consists of giving a reading and then interpreting it orally. There were no Techmen in this topic.

Extemporaneous speaking consists of choosing a topic from three given and writing on it for 45 minutes before using notes made during this time for a speech that is seven minutes long. Both Thorne and Karp entered this contest, Kip Thorne winning an "excellent" award.

Impromptu, the last of the four events, is perhaps the most difficult. The contestants wait outside a room, come in when their number is called, are handed an editorial which they have never seen before, and then after reading it once to themselves and once out loud, they must speak for seven minutes on it. All three Techmen entered impromptu, Kip Thorne again winning an "excellent" certificate.

The next event that Caltech men will enter will be the "Novice Debates" at Fresno on October 29. These debates, open only to those who have never debated in college before, will provide practice for freshmen on the debate team.

Freshman Parents Visit Campus Sat. For Talks, Tours

Over 200 parents of freshmen and transfer students will visit the Tech Campus this Saturday, October 22, to take part in the Eleventh Annual Parents' Program. The day's activities will include several speakers, a luncheon and tea, and a tour of the campus.

Parents Day was conceived 10 years ago to give the families of freshmen and transfer students an introduction to Caltech student life. Purpose of the program, according to Dean of Freshmen, Foster Strong, is to make parents of students realize that Caltech stresses freedom for individual development as well as enormous homework assignments.

The day's activities will commence at 9:30 a.m. in Dabney Lounge, where the parents will register and receive name-tags with their son's (or sons') section number embossed proudly on it.

At 10:00, Dr. Beadle, acting Dean of Faculty, will preside at a meeting in 201 East Bridge where the parents will hear Dr. Huttenback, Master of the Student Houses, as well as Dr. Peter Miller and Dean Jones of the Registration and Admissions department. Dean Strong will also address the group at this time.

The Resident Associates (too numerous to name) will also be on hand, along with several other professors and the Graduate Teaching Assistants representing most of the sections. The formal program will conclude early so that parents will be able to talk with members of the faculty.

At 12:00 noon, Professor Hallett Smith, Chairman of the Humanities Division, will preside at the luncheon at the Athenaeum.

um. President DuBridge will be the speaker.

At the conclusion of the luncheon, the parents will meet on the Athenaeum Patio, to be conducted on an interesting tour of the campus. Finally the guides will bring their groups back to the Athenaeum where the Caltech Service League is holding a tea until about 5:00 p.m.

Students with visiting parents are urged to invite them to dinner in the Student Houses (tell your Headwaiter now) at 6:00 p.m. The new Saga Food Service should be an interesting experience for them.

Skousen Speaks On Committees In Y Program

For those who were outraged, infuriated, or just interested by Dr. Linus Pauling's speech concerning his freedom of speech, the Y has arranged for a rebuttal of his opinions tonight at 7:30 in Culbertson. The speaker will be Mr. W. Cleon Skousen, and the subject will be "The History and Function of the Senate Internal Security Subcommittee and the House Un-American Activities Committee."

Mr. Skousen's intensive study of Communism began while he was serving with the Federal Bureau of Investigation during a period of 16 years. He was since asked to write a complete treatise on Communism while on the faculty of Brigham Young University from 1951 to 1956. Mr. Skousen has been a professional law enforcement administrator, having served as Chief of Police in Salt Lake City, Utah.

Kubrin Assails BOD

Monday night's meeting of the ASCIT Board of Directors was by far the most farcical in recent years. According to the few spectators it was also the most humorous.

For three quarters of an hour the Board team (largely Bauer, Leibovich, and Pritchard) exchanged verbal volleys with the Kubrin clan (largely Kubrin, Bernstein, and Pfeffer).

The sources of the conflict were two: the Board's procrestitution in approving the results of the referendum on permitting the By-Laws and a newly signed petition to change the words "Board of Directors" to "Student Council."

Action began on the first issue with the presentation by Kubrin of a letter from Cleve Moler reporting the results of the referendum. Twenty-five minutes later the Board had created a rules subcommittee to look into the communication from Cleve

and to decide whether he was legally the "acting chairman of the acting election committee."

The report was due October 31 but Bauer postponed it to November 6 so that the group which went to National Training Lab leadership camp could hold an open meeting on October 31.

Some of the more enlightening quotes are approximated here:

Bernstein: You can't disregard the results of our meeting just because you didn't have a legal election committee.

Pfeffer: The Board of Directors is incompetent.

Juola: (Voting against motion to strike the comment from the record): I think it is incompetent.

Pritchard: We have just passed a motion to strike Kubrin's comment from the minutes. I move that we strike all record of this motion from the minutes.

Bernstein: Bauer, you should

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Editorial

A Serious Problem

Several people have pointed out in the past couple of weeks a number of areas of campus life in which there seems to be unusual discontent or disinterest this fall—new student camp, the Carnegie lecture series, politics, a complete discussion of the Pauling issues, to name a few. Putting them all together, however, it seems to us that the problem lies at a somewhat deeper and more fundamental level of the campus culture.

It seems apparent that very very few people know much at all about how or why most of the decisions that shape their lives at Caltech are made or what type of people are making them. This lack of communication starts in the Student Houses. How much effort is being made by the executive committees to find out what the rank and file members want or need from House living? To what extent does the executive committee explain the problems of the House to the membership and the reasons behind the programs it sets up? Or do they just get elected and then go off in little secret meetings and hand down decisions in line with the way they and a small group of close in-group friends think the House ought to be?

How many people can explain the function of the IHC and how many of these people have enough information about its activities to tell you whether it is doing effectively whatever it is supposed to be doing? Does the IHC know what the students want it to do?

How many YMCA members know how the particular speakers that are invited to campus come to be invited? How great a consideration do the people who do the inviting place on student interests or needs and how much on their own personal interests?

After ASCIT elections, have the officers turned their backs on the students and the students turned their backs on the officers? How many people have any idea what the ASCIT president, or any given Board member, is doing to represent the student interests? Do the Board members have any idea what sort of interests the students would like to have represented? The same questions can be asked of the Board of Control, ExComm, and EPC.

How many people know how the faculty reached its stand on the parking rules? How many faculty members understand the significance, to the students, of the penalty they have imposed for six violations?

How many faculty members know why most of their students have other interests which right now in their lives take equal precedence with learning science and in most cases more time?

We would like to suggest that everyone on campus, faculty and students alike, do a little soul searching and give an honest answer to the questions we have raised and the many more questions of the same nature we are sure you can contribute for yourself.

If most of your answers turn out to be in the negative, as they do for us, perhaps we have a very serious problem in lack of communications. We hope the questions have suggested that the responsibility for this situation is spread pretty equally around campus. It should not be solely up to the membership to find out what the officers are doing, nor solely up to the students to find out what the faculty is doing. Holding open meetings and saying, if you are a faculty member or student officer, "Come talk to me any time" are not sufficient attempts to communicate either. These people complain that no one seems to care enough to come to see them, but perhaps if no one knows what can be gained by doing so the "really care" attitude is not surprising. This attitude is contagious. It keeps you from meeting frosh, hearing General Taylor, and questioning political stands by Pauling and others.

We suggest that we all take a little less time signing petitions to renumber amendments or change the name of the BOD and redirect our energy to thinking on this more basic and potentially more constructive level.

—jt

Letters

Dubridge Backs BOC

To All Caltech Students

I wish to take this occasion to express appreciation to the Board of Control for their action in recognizing the possession of a campus grand master key as a violation of the Student Body Honor Code. I believe this is a sound and justifiable decision, and it will certainly be a fine step in improving the collaboration between the Administration and the student body in protecting Institute property.

As everyone knows, several million dollars' worth of equipment and property is stored in Institute buildings and, in addition, thousands of dollars' worth of personal property belonging to faculty, employees and students is kept in offices, laboratories, and student house rooms. It would be an act of gross neglect if all the doors on the campus were left unlocked, giving

anyone free access to this property. An almost equivalent situation arises, however, when there is a widespread and indiscriminate distribution of grand master keys. Once a large number of grand master keys is in circulation, it is impossible to control who will obtain them and how they will be used. We have recently discovered on the campus a hidden key-making machine, complete with blanks, set up to duplicate master and other keys on demand. Such keys have fallen into improper hands, and thefts of valuable property have occurred as a direct result.

The unauthorized entrance into private premises is in itself indefensible, whether or not

any harm is done or anything stolen. A faculty member, for example, has a right to as much privacy in his campus office as in his own home without being intruded on by a student with a master key—even though the student intends only to use the phone (this has happened on a number of occasions). The only function of a master key is to give access to places which are locked, and the locking was intended to restrict access at that time to those authorized. The Institute has a right and a duty to prevent unauthorized entry to any of its premises.

The very act of obtaining an unauthorized master key is in itself an act of theft, as such keys are the private property of the California Institute. It is clearly proper to regard possession of such a key as a violation of the Honor Code. I trust that all students will now collaborate with the Administration and the Board of Control in turning in or destroying unauthorized grand master keys so that this problem and its serious consequences and dangers can be resolved.

L. A. DuBridge
President

October 18, 1960.

Chamber Music Begin's Again

The Caltech Chamber Music Series has announced the plans for its 11th season. This year there will be 10 concerts averaging approximately once every three weeks. All will be held on Sunday evenings at 8:15 in Dabney Lounge, and admission is free.

Chamber music is music written for intimate surroundings such as a home or small hall. Dabney Lounge has nearly perfect acoustics for this type of music.

The groups of players are small; string quartets are a typical example. The musicians in the Chamber Music Series are professionals. Many come from the movie studios in the L.A. area and work for minimum union wages in order to perform before a live audience.

Dr. Hunter Mead, chairman of the Faculty Committee on Student Musical Activities, says that in general many more juniors, seniors and graduate students attend the concerts than freshmen and sophomores.

The first concert, October 30, will feature Clebanoff Strings.

Student Center

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need for a single locus of student activities. The present system for arranging meeting places, which is as totally unsystematic as possible, necessitates traipsing from the Aneathum lawn to Culbertson and everywhere in between to get to the various activities. Not only can this be tiresome, it seems to thoroughly faze the freshmen for a while. At least, there will be one dependable place to hold most of the meetings. Also, the bookstore will finally be accessible to more than three narrow students at a time. Of course, the recreation room will also brighten the argument for snaking versus not snaking, which is already pretty well polished.

Preliminary results of the project will soon be visible, as the demolition of the old Grad House starts in a couple of weeks. From then on, the waiting may not be too difficult; at least something will be moving. And when finally finished, Winnett Center will definitely be the brightest spot in student life since the new Houses.

Local Housewives Appalled By Dr. Pauling's Statements

Those interested in uncovering the true Communist menace may find the following quotations illuminating. They are letters to the editor of the Pasadena Star News, dated October 11 and 13.

"September 29 on the Caltech campus, I watched an appalling display of un-Americanism. Listening to Dr. Pauling, and watching the reactions of the students convinced me that as parents we should become more alert to the dangers of Communism."

"I was shocked to see and hear young men and women egged on by agitators to respond favorably to Dr. Pauling's remarks against our elected representatives, the Pope and patriotism. The scenes of the San Francisco riots seemed much closer to home in Pasadena that night."

signed Mrs. _____, Pasadena
"I am still in shock over the latest insult to my integrity by your newspaper, in which Dr. Pauling's speech of September 29 was reported. The article states, quoting Pauling, 'I will not accept anything from any-

one, not from politicians, not from the President, and not from the pope.'

"That meeting was one of the most obviously rigged by Communists, sympathizers and/or fellow travellers that I have ever attended. In at least three separate spots in the crowd there were laugh-promoters and clap-promoters who made certain that the crowd would laugh and clap at the appointed times."

"If, after the vicious attack on our country made by Pauling, he is allowed to remain on the teaching staff of Caltech, I and many others who heard him, will be watching with great concern what happens to that once great school."

"If you continue with your 'Perils of Pauling' stories, I hope you will remember that playing into the Communists' hands as you were reporting on Pauling, will eventually result in your losing the thing you prize most — 'freedom of the press.' Or don't you care for some reason?"

signed Mrs. _____, Arcadia

Art Exhibition Held At Tech

The first in a series of art exhibits to be held during the current academic year in Dabney Lounge opened Monday, October 17, and will continue through November 4.

Mrs. Jennifer Ross, exhibits director of the Caltech Humanities Division, has arranged this showing of thirty Ganymede reproductions of old masters, French impressionists and contemporary works. These will be exhibited to the general public Monday through Friday from 9 a.m. to 5 p.m. and Saturday, 9 a.m. to 12 noon. The exhibition has been returned from the New York Graphic Society by popular demand.

The Ganymede reproductions are done by a process learned originally from the Germans and perfected in England. This outstanding form of reproducing color-type printing often necessitates the use of seven or eight layers of paint to obtain the right colors.

R. Dulbecco Receives Grant

Dr. Renato Dulbecco, Caltech biology professor, was awarded a grant by the American Cancer Society last week to support a study of tumor-producing viruses. By understanding the exact mechanism of virus action in causing malignancy, it is anticipated that therapeutic and preventive measures against the onset of cancer will be aided. Dr. Dulbecco's grant, \$43,829, was the largest of \$150,000 worth distributed among various research men in Southern California.

Other Tech faculty members included in the grants were Philip C. Hanawalt, Ph.D., and Dr. Homer Jacobson, allotted \$18,650 to establish fellowships for cancer research.

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Demo Cry Of 'Lagging Economy' Blasted; Johnson Raked As 'Unfit'

BY TOM TISCH

Last week, Eli Chernow, in a manner that was typically that of the Democratic Party — vociferously, irresponsibly and without foundation — attacked the policies and platforms offered by the Republican Party and backed by Richard Nixon and Henry Cabot Lodge, as a co-ordinated executive team.

The Demos could do no better than attack the policies offered by the opponents, and were either unwilling or unable to offer any of their own.

I propose to set straight the record of the Republican Party — its program over the last eight years and the corresponding progress of the nation.

The Democrats scream about an insufficient rate of growth in the country, in terms of vague percentage statistics. Here in hard, cold numbers are some of the achievements of the nation during the Republican tour in office.

The Gross National Product has grown from \$347 in 1952 to \$505 billion in 1959; at the same time, personal incomes have grown from \$301 billion to \$406 billion. Furthermore, the average income per family increased from \$5630 to \$6600, but more important, ten million additional families moved into income brackets greater than \$4000.

Specially contrary to the false ideas the Democrats tend to spread is the fact that labor is far better off than ever before. Total employment is up 7.7 million to 68.7 million from 1952, despite a persistent high rate of percentage unemployment. Less than 2.5 million man-days of time were wasted due to strikes in 1959, contrasted with some 60 million man-days in 1952, when the Republicans took over the reigns from the previous Democratic administration.

Education has moved forward, in spite of insistent Democratic demands for more federal support of schools. Some 69,600 classrooms were added to our education facilities in 1959 — contrasted with 48,000 added in the fiscal year ending in 1952, when the Republicans took over.

All this has been achieved at the same time that inflation has

been slowed down — from 48 per cent in the Truman years to 11 per cent over the last 7½ years. President Eisenhower said in Chicago, "There are more Americans employed at higher wages and with more take-home pay than ever before in our history. And today, they have more confidence in the stability of their money than they have enjoyed in three decades."

In order to find an issue to fight about, the Democrats have come to say that we are "complacent" about our domestic and foreign positions. Kennedy, himself, has maintained that Americans must go on a plan of self-sacrifice in order to send the country faster on its way. Yet in the same breath he backs the Democratic program which would increase at a "faster" rate the well-being of the average citizen in the U.S., thus producing an inherent conflict in the "complacency argument."

What about the men who lead the party? The Democrats nominated Kennedy, then turned around and bit their tails in an effort to retrieve the southern ballot by picking Lyndon Johnson as a vice-presidential running mate. It is fact that Kennedy and Johnson do not get along as well as two men who are running for such important offices should. Johnson refused to actively support Kennedy in the past summer's Senate fight. Furthermore, he has not put himself squarely behind pro-civil rights legislation, and differs with both Republican and Democratic platforms on this issue. It is not right to put a man into a legislation-affecting position, such as the vice-president's post, unless he is fully committed to the policies set forth by the Constitution, Supreme Court, and his own party. Democratic leadership is divided.

Nixon-Lodge on the other hand, are a competent team, devoted to working out the programs of the party for peace and prosperity, within the domestic and international framework.

Who are you going to Vote for: Nixon, who worked hard to end the steel strike settlement, earning for his efforts both the

plaudits of David McDonald (president of Steelworkers) and steel management — or Kennedy, who voted against a bill of rights for the working man, calling the Landrum-Griffin bill "the most vicious piece of labor legislation in 20 years." Nixon, the man who lead the administration in giving Americans to date a \$52 billion saving in taxes — or Kennedy who at first preferred deficit financing, then when faced with the \$15 billion burden added by his party's program, flipped and said he would not hesitate to raise taxes.

There is no question: Nixon-Lodge stand together for the increasing prosperity and progress that is presently and will continue to be ours. Kennedy stands alone for a nebulous promise of a better future, by untried programs.

Arms Series

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be the only way to end the small periodic flare-ups that occur periodically. To achieve his aim of missile strength and small forces, he called for a general overhaul of America's military mechanism. Taylor declared that the military should be divided into a missile force and smaller "task" forces, to give effective support to his over-all program.

He emphasized that the United States should pay very careful attention to her foreign commitments. He stated that as of now, it would be impossible for this country to actually give all the aid it has promised to other countries.

Taylor stated that the switch to his plan would take a long time and a lot of money. He said that the first effects of his program would be seen after at least three years had passed. He called for an expenditure of 10 per cent of the gross national product to put the plan into operation. He stated that the changes he wanted would require "coordinated action by all branches of the government."

General Taylor's speech lasted about an hour and was followed by a question and discussion session.

Announcements

POLIO SHOTS

Polio shots (first time and boosters) are available at the Health Center. Boosters are strongly recommended.

is sponsoring a 4:30 a.m. rally next Saturday at Tournament Park. See Sam Ginsburg.

Y MOVIE

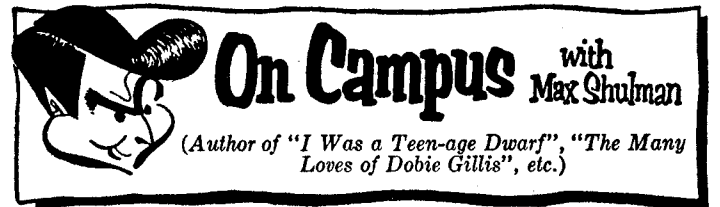
The "Grapes of Wrath," John Steinbeck's novel of the plight of migrant workers during the depression, will be presented as part of the YMCA film series on October 23. This picture replaces "The Devil and Daniel Webster," which was originally scheduled.

BRIDGE

There will be a bridge tournament at 2:00 p.m. on Sunday, October 2 in Throop Club. Rating points and prizes for the winners will be available.

FOREIGN CARS

The Caltech Foreign Car Club



A FRAT TO REMEMBER

Every year, as we all know, the Benevolent and Protective Order of Collegiate Fraternities awards a highly coveted prize to the fraternity house which, in its judgment, has done the most to promote and enhance the fraternity way of life. The prize this year—eight hundred pounds of white putty—goes to the Sigma Phi Nothing chapter of the South Dakota College of Dentistry and Renaissance Art.

The award this year is exceptionally richly deserved, for the Sigma Phi Nothing house is the very model of all a fraternity should be. It is, first of all, a most attractive house physically. The outside walls are tastefully covered with sequins. Running along the upper story is a widow's walk, with a widow stationed every three feet. Moored to the chimney pot is the Graf Zeppelin.

Indoors, the house gives an impression of simple, casual charm. The chapter room is furnished in homey maple and chintz, with a dash of verve provided by a carp pool three hundred feet in diameter. A waterspout rises from the center of the pool with the housemother bouncing on the top.

Members' rooms are gracious and airy and are provided with beds which disappear into the wall—permanently. Each room also has a desk, a comfortable chair, a good reading lamp, and a catapult for skeetshooting. Kidney-shaped desks are available for kidney-shaped members.

Perhaps the most fetching feature of the house are the packs of Marlboros stacked in heaps wherever one goes. If one wishes to settle back and enjoy a full-flavored smoke, one needs only to reach out one's hand in any direction and pick a pack of Marlboros—soft pack or flip-top box—and make one's self comfortable with a filtered cigarette with an unfiltered taste—that triumph of the tobaccoist's art, that paragon of smokes, that acme of cigarettes, that employer of mine—Marlboro!



The decor, the grace, the Marlboros, all combine to make Sigma Phi Nothing a real gas of a fraternity. But a fraternity is more than things; it is also people. And it is in the people department that Sigma Phi Nothing really shines.

Sigma Phi Nothing has among its members the biggest BMOs on the entire campus of the South Dakota College of Dentistry and Renaissance Art. There is, for instance, William Makepeace Sigafoos, charcoal and bun chairman of the annual Stamp Club outing. Then there is Dan Rovin, winner of last year's All-South Dakota State Monopoly Championship, 135 Pound Class. Then there is Rock Schwartz, who can sleep standing up. Then there is Tremblant Placebo, who can crack pecans in his armpits. Then there is Ralph Tungsten, who went bald at eight.

But why go on? You can see what a splendid bunch of chaps there is in Sigma Phi Nothing, and when one sees them at the house in the cool of the evening, all busy with their tasks—some picking locks, some playing Jacks-or-Better, some clipping Playboy—one's heart fills up and one's eyes grow misty, and one cannot but give three cheers and a tiger for Sigma Phi Nothing, fraternity of the year!

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And while you're cheering, how about a huzzah for the newest member of the Marlboro family of fine cigarettes—unfiltered, mild, delightful Philip Morris king-size Commander! Have a Commander—welcome aboard!



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'3 Penny Opera' Opens; Music, Acting Big Hit

BY LANCE TAYLOR

"The Threepenny Opera" opened last weekend in Hollywood, complete with Lotte Lenya exuding limitless class in her famous (and 32-year-old) role of Jenny, other accomplished actors, and an orchestra of thousands of brass players who make Kurt Weill's dissonances into something wondrous to hear. Added to these are the wonderful libretto and some fine staging. Everything goes together to make "Threepenny" a short and well-spent three hours of entertainment.

"Threepenny Opera," as every literate prostitute in the cast should know, is the story of Macheath, alias Mack the Knife, his life, soft times, and loves. It is based on the 18th century "Begger's Opera," and its main concessions to modernity are some extremely fundamental ly-

rics and devastating music. Basically, it is a moral play in musical's clothing, and is first class as both.

Famous Since 1928

The opera was written in 1928 and has been going strong ever since. It was composed in the early spring of that year on the Riviera by Kurt Weill, an impoverished German poet, and Bert Brecht, and equally impoverished and equally German poet. No producer would touch it until that fall, when it was premiered in Berlin. It was an instant success.

Hitler didn't like "Threepenny Opera," and when he came to power, he assigned an enormous room in his Museum of Degenerate Culture for continuous playing of the Threepenny music. When it became the most popular thing in Berlin, the Fuhrer shut off the production

in a rage. He also kicked Weill, Brecht and families out of the country. Needless to say, the opera did not show in all of Germany until after the war, and its showings in East Germany have been few since.

New York Stars

The Hollywood production employs most of the stars who began the still-running New York version in 1954. Included are Miss Lenya, Kurt Weill's widow and the original Jenny; Tige Andrews, the original Streetsinger of "Mack the Knife" (which has topped the Hit Parade three separate times); and Scott Merrill, whose playing of Macheath won him the Theater Guild Award (which means he really was the best actor of the year). Most of the other cast members are of equal caliber, making the production comfortably even-keeled.

"Threepenny Opera" benefits from good production much more than an ordinary musical. Although the music was written to blast its message through the noisiest of monaurals, the libretto is a delicately balanced thing which must be handled with kid gloves. Carmen Capaldo and Stanley Chase, the producers, are accomplished dramatic second-story men and carry the job off in fine style.

High Prices

Prices are the only drawback to seeing "Threepenny Opera," which is playing (and probably will be for months) in the Music Box Theater at the corner of Hollywood and La Brea. It costs between \$4 and \$5.40 (depending on the night) to get semi-choice seats, and prices for far-sighted people who like to sit a long way back aren't much better. Still, it's worth it. Better order early.

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Civic Symphony Presents First Sunday Concert

BY DAVID HELFMAN

On October 16, the Pasadena Civic Symphony presented the first in a series of Sunday afternoon concerts, co-sponsored by the Pasadena Junior League and the Youth Music Association. This, as was quite evident from the youth-infested queues in front of the Auditorium, was a children's concert, albeit programmed rather well for this type of affair.

Dr. Richard Lert conducted the orchestra in Handel's **Water Music**, two Brahms **Hungarian Dances**, and was then joined by Toni Rapport and Doris Griffin for the Vivaldi **Concerto for Two Violins** in A. Mr. Eugene Ober took over the baton for the performance of Richard Strauss' **Till Eulenspiegel's Merry Pranks**.

The **Water Music** originally was written by Handel to be played by an orchestra on a barge floating down the Thames during a royal celebration for King George I in 1717. The most regularly heard concert version in modern performances uses six of the 25 known movements and was brought up to date orchestrally by Hamilton Hardy.

It was apparently this version which the Symphony used, but Dr. Lert conducted only three movements, those which correspond to the first, second, and sixth of the Hardy arrangement. This abridgment was done evidently in point of time alone, and one wonders how the other three movements would have been treated, for the sections played were of good quality, with special credit belonging to the woodwinds. I do feel that the choice of this piece to open the concert might well have been reconsidered, though, for the opening Allegro uses French horn quite freely, especially in the statement of the theme. Inasmuch as a horn takes a good bit of playing to warm up properly, the results were on the inevitable side. But any bad intonations and weak sonorities within the horns were more than made up for by the trum-

pets. Dr. Lert had good control, and led the orchestra into a second movement of dark-hued and moving, but not overly somber, qualities.

The Brahms Hungarian Dances 5 and 6 were well paced and moderately well played (except for a badly dragging vivace in number 5), but were evidently just several bon-bons thrown into the program in order to keep the customers calm.

The coming of the Misses Rapport and Griffin onstage elicited, with the toleration of Dr. Lert, several wolf-whistles from the audience. Though this was not undeserved, I feel that my real comment should be limited to their performance of the Vivaldi Concerto. This was, on the whole, quite good. There were several spots of weakish intonation on the part of Miss Griffin, and Miss Rapport slid from tone to tone at times. (And also, apart from any attributes hinted at above, there was a slight flat-tish tendency on both their parts.) As is common in such performances, the quality of playing seldom reached a point of true rapport (no pun intended) with the music, but it did lack the feeling of constant sawing with the bow which characterizes truly amateur renditions of Bach and Vivaldi. One point about which I must complain, however, was an overly insistent piano, penetrating through most of the second movement (which, I believe, was not originally scored in this piece). Outside of that, the accompaniment was well managed, providing an excellent background.

As a sort of semi-intermission, Dr. Lert introduced Ray Norring, the first bassoonist, who indulged in a little demonstration.

(Continued on page 6)

Foraging Again?

Ninth Pig On Eight Teat Sow Starves

BY ROGER NOLL

Throughout history man has been faced with the problem of finding enough foodstuffs to maintain his existence. Even today, in many underdeveloped and underprivileged parts of the world, humans must still forage relentlessly in order to get enough to eat.

Winthrop glanced at his watch—it was 8:15 a.m. A pang of fear shot through his body, for he knew the consequences. He must face an after-eight Saga breakfast. Sadly he dressed and rushed to the kitchen, hoping . . . But all was lost. The picked-over remains lay strewn about: no forks, no orange juice, three slices of burnt whole wheat toast, and the ball-like scrapings from the bottom of the oatmeal pan. Reluctantly he picked up his plate and wandered cautiously toward that vision of feminine pulchritude, the fry cook. Flashing her characteristic, devil-may-care smile, she asked, "Would you like your eggs runny or charred this morning?" As usual, there were 16 other people also waiting for eggs, so to expedite things Winthrop chose them runny. Twelve seconds later two little egg yolks sat on his plate, looking very cold.

Winthrop took seven glasses of apricot nectar, the only remaining fruit juice, and headed for the milk container. There were no glasses, so, using that old Caltech ingenuity, he filled three cereal bowls with frothy, foamy milk, and sat down to a pleasurable morning meal.

Few people in the world can afford more than two meals a day. Those of us lucky enough to enjoy a midday feast should thank Heaven that we are among those chosen few.

Winthrop returned from a tough morning schedule, ravenous. He hadn't been able to finish breakfast somehow, and now his viscera were shouting their complaint. Food, food, he must have food! At 12 he started glancing at the dining room, wondering casually when the

feast would start. By 12:05 he was standing at the dining room entrance, with a touch of saliva visible at the corner of his mouth. At 12:10 he was on his knees, looking for scraps on the floor left from the last meal. At 12:15 he began sob-filled pleas directed at the headwaiter.

"Sorry, Winthrop," replied his helpful headwaiter, "but the Filipinos put the dishes in the freezer, and they're all struck together. And, anyway, the meal isn't cooked yet."

At 12:25 Winthrop was carried into the dining room to eat lunch. As he sat down, some waiter announced that, while there were unlimited seconds on everything, there weren't quite enough firsts to go around, and wouldn't somebody just as soon have bread and milk? "You guys who haven't had 'firsts' yet," concluded the waiter, "just stick around—they should be ready by dinnertime."

Winthrop dunked his stale raisin bread in his milk and waited for his meal like a man.

The evening meal is perhaps the most pleasant of all. After a hard day's work, a man can sit down to a well-earned feast, climaxed by that wonder of the culinary art, a tasty dessert.

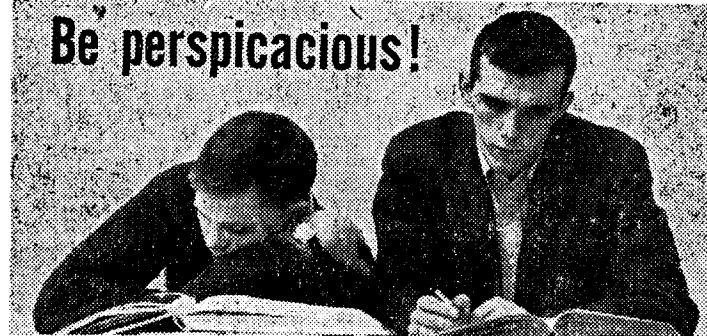
Dinner had started promptly at 6:45, after the waiters had finally managed to arouse the Filipinos enough to get them to open the door to the kitchen. It was now 7:20, and Winthrop was waiting for his dessert. Dessert makes the day.

And then it came, in all its splendor. It was, he guessed, ice cream. Or that's what it used to be.

"Sorry, guys," remarked the waiter, "but someone thought this was supposed to be baked, and then they put the remains back in the freezer."

Winthrop's expression slowly changed from that of happiness, expectation, and joy, to that of utmost dejection. Soon giant alligator tears splashed effortlessly in the . . . well, dessert. It's tough to see a grown man cry.

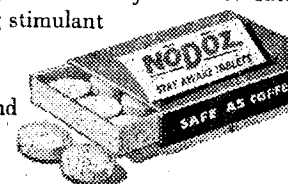
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Gary Osterberg runs after ball in Caltech-Riverside soccer contest.

Big Bruin Soccer Men Crush Beaver Squad

The Caltech soccer team, although forewarned, was taken by surprise by the giant Bruin machine last Saturday. Throughout the game, neither team dominated midfield play or ball control; nevertheless the UCLA fast-break offense scored four goals in the first half while the Tech front line was held scoreless by the UCLA fullbacks, who broke up Tech attacks with long-clearing kicks.

During the second half Tech played like a different team, largely because of an invigorated and slightly revised defense. Tom Lathom and Wes Shanks, playing their first games as fullbacks showed marked improvement as did George Seielstead at center half and Don Wyberg as goalie. Joel Young Wyberg ly guarded, man-to-man, UCLA's

star left wing. The result was that although UCLA did score on two more quick breaks, they were not able to mount a single sustained attack during the second half. Meanwhile the Tech offense began pressing a little more! Kay Sugahara capped one attack with a 10-yard goal, and when another one was stopped by a fullback's hands, Gary Osterberg promptly kicked in the penalty shot.

All in all, the Tech soccer team and their coach, Lee Andrews, were not overly impressed with the UCLA team, which scored 16 goals against Pomona, and look forward to catching them in the return match. This Saturday morning the team plays its first home match against Redlands.

Hoop Squad Looks Sharp For Season

The latest version of Beaver basketball hit the court for the first time this week as official practice began. Under new coach Ed Preisler, the basketball squad shows promise of improving on its fourth-place finish in last year's SCIAC race. Although hard hit by graduation (five of the nine lettermen have departed), the four experienced returnees, plus the nucleus of last year's frosh, should make for a fine team.

Heading the list of returning lettermen is Captain Bill Ripka, who started at guard most of last year. Rip has a fine outside set shot, and is a better-than-average ball handler. Larry Brown, the only other returning senior letterman, started several games last year, both at guard and forward. Brownie has a good jump shot, and is very good on defense.

Juniors Dean Gerber and Roger Noll finish the list of lettermen. Gerber is a great hustler, and can play any position on the court. Noll started at forward last year, but with his 6 ft. 5 in. he'll probably move to center this year.

Sophomores Tom Bopp and Pete Fischer, both forwards, look like good bets to do well this year, as do juniors John Arndt at guard, Jim Scull at center, and Gerry Clough at guard. During his frosh year, Clough

(Continued on page 6)

Interhouse

Ricketts Leads Softball Derby Fleming, Dabney Can Still Tie

In one of the most novel finishes in Interhouse records, Fleming, Dabney and Ricketts seemed destined to finish in a three-way tie for first place in Interhouse softball. With but two games left on the schedule, the standings were:

Ricketts	3	0	3
Fleming	3	1	1
Dabney	3	1	1
Page	3	3	0
Ruddock	2	3	1
Lloyd	1	4	0
Blacker	0	5	0

Since a tie is the same as a

half game won and a half game lost, Ricketts' record is the same as a 4-1-1 record, which would be the record of Dabney and Fleming should they win their last game.

The next sport on the Interhouse schedule is volleyball. Practice starts next week, with the first game scheduled for a week from next Monday.

Discobolus action starts this week, with the first challenge match, between Page and defending champions Dabney, being set for this afternoon. The match is a football game.

COP Sneaks By Tech Polomen 11-10; Webmen Face CMC

The Caltech Varsity water polo team, sparked to victory by Bob Ruby, Roger Bland, Fred Hammetman, and Bruce Chesebro, romped to a 14-2 victory last Tuesday in a match against San Fernando Valley State College.

The visiting team was never a match for the Caltech hosts, picking up their lone two goals late in the fourth quarter with the assistance of the Caltech goalie.

Last Friday, in the most thrilling contest to date, the Webmen dropped a decision to College of Pacific, 11-10, in two over-time periods.

The visiting team jumped off to a quick 4-1 lead in the first quarter, but the Techmen were able to pull the game together and regain control. Tech forged into the lead by one point, 5-6, late in the second quarter, but COP tied the game, 8-8, at the end of the regulation four quarters. COP picked up 2 goals in the first over-time and one in the second, while Caltech was held to two goals in the second over-time period.

Tomorrow, the Webmen open their league season against Claremont-Harvey Mudd at 4:00 p.m. at Claremont.

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On August 12th, 1960, JPL scientists at Goldstone, California, radioed the world's first transcontinental microwave message to be relayed by a passive, artificial earth satellite. This satellite was the 100 ft. plastic balloon Echo I orbiting around the Earth at an altitude of 1,000 miles. A pre-recorded statement by President Eisenhower was received 2,300 miles away by scientists of the Bell Telephone Laboratories at Holmdel, New Jersey, as clearly as any telephone call, in a fraction of a second. Later in the course of the Echo experiment, the scientists at Goldstone and Holmdel conducted 2-way voice communication off the balloon satellite, Goldstone transmitting at 2,390 megacycles and Holmdel at 960 megacycles. This successful experiment opens up vast new fields of development for worldwide communication and is typical of many pioneering achievements of the Jet Propulsion Laboratory.

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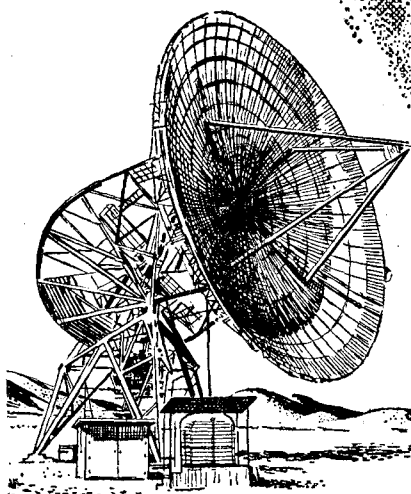
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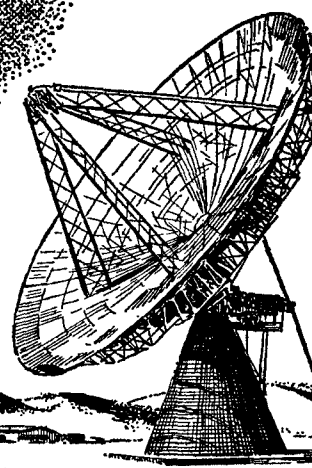
ON CAMPUS INTERVIEWS

NOVEMBER 3

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This 85 foot antenna, 7 miles from the reception facility, has recently been put in operation to transmit signals to U.S. spacecraft.



BOD Meeting

(Continued from Page 1)

have Zaidens and Pritchard investigate this matter.

Pfeffer: Zaidens is the only honorable Board member.

Pritchard: It isn't sensible or fair to have people competing in a possible incompetence.

Holl: It seems that you must make an arbitrary decision between these, Bill (referring to rules sub-committee report and leadership camp report). I guess we all know which group ought to be screwed.

The second controversy raged over a question of semantics. The petition presenters claimed that the phraseology of the petition made it mandatory that the Board call a student body election. The Board countered that the words "...urge the Board of Directors to consider..." certainly do not constitute any compulsion. The matter was settled for the evening by postponing further discussion until

Music Series

(Continued from page 5)

tion of his instrument. Two small pieces for bassoon ensemble were played, a polka for bassoon trio and a light Prokofiev quarter.

Mr. Ober then ended the concert with the Strauss tone poem. The performance seemed quite vital, hampered only by slight inabilities on the parts of members of the orchestra. Also, at several places throughout this selection, as at a few times scattered through the concert, the brass section was overbearing to the point of covering the woodwinds. Over-all, however, the conducting was dynamic and the following able.

Some words must be added here concerning the audience. As noted before, it consisted mostly of children who, although intent on the performance, seemed as intent on starting to clap as soon as a piece (or, for that matter, a movement) was finished, which resulted several times in applause when there should normally have been a rest, or even just a pianissimo passage. This, instead of being gratifying to the conductor, serves exactly the opposite purpose, and is nerve-racking to the listener, as well. Thus, in my eyes at least, these concerts are events to attend if, and only if, you wish well programmed music "in the raw," rather well played, quite inexpensive, and can either drown out or cover up your environment completely.

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the signatures can be checked. Some approximate verbal barage of this brawl include:

Kubrin: It's clear that this was submitted in accordance with Article XVII.

Pritchard: I'm sure many of the members of the Board are under the impression that it was a suggestion.

Kubrin: You BOD members don't have any rapport with the students.

Pritchard: I think that was a trick to make unsuspecting students sign the petition.

Kubrin: I think you are just trying to give us the run-around, but it won't work. (Then he quotes from the ASCIT By-Laws):

ARTICLE XI RECALL

Sec. 1. Upon presentation to the BOD of a petition for the recall of any elective officer, bearing the signatures of 25 per cent of the members of the corporation and containing a specific

Basketball

(Continued from page 5)

averaged nearly 20 points a game, and should he return to form this season, he will be a great asset.

The first game for the team is the first weekend in December when they travel to San Diego for games with the Naval Training Center and Cal Western. The home opener is the following Tuesday against Up-land.

statement of the grounds for removal, the President shall call a special election of the corporation within 15 days after the petition is submitted for the purpose of voting thereon. The petition must be signed not more than 15 days before it is submitted to the BOD.

Sec. 2. A two-thirds majority of all votes cast shall constitute a recall.

Sagehens Romp Over Tech In Friday's Rose Bowl Tilt

BY PETE METCALF

Caltech was mauled, 34-0, by the Pomona Sagehens in an SCIAC football game held at the Rose Bowl on Friday. The undermanned Beavers were no match for the Sagehens who scored in every period.

Pomona took the opening hick-off and marched to the Caltech 12-yard line, where a timely pass interception by Dave Barker stymied their drive.

Later in the first period, a Pomona interception set up another scoring opportunity, but the Sagehens fumbled on the Caltech two-yard line.

Caltech was unable to stave off disaster any longer, and the next time that Pomona got the ball, Bob Sweeney ran 28 yards for the score.

Late in the second period, Lee-

roy Sweeney of Pomona went 21 yards for another score, but Joe Bocklage blocked the try for the extra point.

With only three minutes left to play in the half, Caltech made its first gain of the game with a fine run of 43 yards by Frank Marshall, but the Beavers were unable to move the ball further.

An interception and a fumble set up two more Pomona scores in the third quarter.

Another Beaver fumble in the fourth period set up the last Sagehen touchdown.

Saturday, Caltech will face Cal Western at Tournament Park. Since the Westerners had little trouble in defeating Pomona earlier in the year, they must be considered to be the favorites in the game.

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Other important assignments followed: engineering maritime radio systems, SAGE systems—figuring engineering costs for Air Force Titan missile bases.

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