

BOD Now Can Censor Tech

California Tech

Associated Students of the California Institute of Technology

Volume LVIII.

Pasadena, California, Thursday, February 16, 1967

Number 18

Y Chooses New Cabinet: Manning Elected President

by Dave Lewin

Willard Manning, an off-campus junior, was elected president of the Caltech YMCA by acclamation at the election meeting of the Y on Tuesday, February 14.

The other officers are as follows: vice-president, Greg Evans (sophomore, Ruddock); secretary, Mark Kritchevsky (frosh, Ruddock); treasurer, Dave Lewin (frosh, Page); area representative, Barry Lieberman (junior, o.c.); and publicity manager, John Bennett (sophomore, Dabney).

The contested offices were president, vice-president, secretary, treasurer, area representative, and publicity manager.

In his statement of candidacy, Manning said that "the president's role is to encourage this diversity of interest and program by creating a receptive atmosphere for innovation . . . Officers must be perceptive and active, and tolerant enough to suit the organization of the Y, not to their own personal goals, but to those of its members."

Another Lieberman!

In addition to Greg Evans, a junior, off-campus physics major, Barry Lieberman, also vied for the office of vice-president. The victor stated: "As a member of both the executive committee and the student cabinet, the vice-president must act responsively and creatively." Lieberman expressed the views that, "Though the year looks intriguing, I'm afraid that the Y faces one problem. That problem is effective student leadership. Presently too many responsibilities fall on the shoulders of the secretary and associate secretary."

Kritchevsky, a member of the Ruddock Y political machine, after stating his qualifications, continued: "I am very interested in the Y and believe it to be the most important extra-curricular

(Continued on page 3)

Notices

WE NEED CHEERLEADERS

Any student, non-student, girlfriend, relative who wants to do something for Caltech sports and fight apathy—become a cheerleader! Contact Craig McAllister in Lloyd House, immediately. Tell your friends! Tryouts(?) soon!

FEYNMAN AT DINNER FORUM

Dr. Richard Feynman, professor of physics, will speak at the YMCA Freshman Dinner Forum, Friday, Feb. 17, in Chandler Dining Hall. Students either may come at 6:30 or transfer their meals to Chandler by signing up in the Student Houses for the 6:00 meal. Dr. Feynman will discuss "The Uncreative Scientist."

(Continued on page 2)

Students From Afar to Vie In Mechanized Debates

With the Caltech Computer-Controlled Debate Tournament scheduled to begin tomorrow, no less than 85 teams have entered, breaking all attendance records. Last-minute entries from Montana, Loyola-Chicago, Washburn, and Norwich have swelled the list of entries, making this tournament an extremely impressive one in light of the number of teams coming from large distances away. Norwich is the farthest-removed, being in Northfield, Vermont; and Harvard, Northwestern, and Minnesota have announced plans to attend.

Any girls?

About 30 of the approximately 170 debaters (those from more than 1000 miles away) will stay in the Student Houses. So take this opportunity to see how the rest of the world lives—mingle!

Tournament director Mark Jackson revealed that Caltech's facilities are being strained to the limit to accommodate all who wish to attend. Debates are being held in most classrooms, Winnett Student Center, and several House libraries. The debate squad is also stretched to capacity, but the use of computers will materially lighten the load. In addition, the novelty of computer control has attracted a number of distant schools.

Girls coming . . .

The most important aspect of

the tournament for Teckers will be the presence of girls. A number of such will be coming from the nearer schools (besides a few from Kansas and Washington) to brighten drab classrooms.

It is suggested that Teckers wishing to view debates go to Dabney Lounge, where schedules will be posted. Better still, instruction sheets on debate time-keeping will be available, so pick an unbusy-looking official and ask. There will be five preliminary rounds on Friday afternoon (noon to nine, with 6:00 to 7:30 for dinner) with a sixth round on Saturday at 9:30.

After lunch, the sixteen computer-chosen elite will debate in rooms chosen for spectator comfort.

Undergrads Questioned On Censorship Issue

Prior to the election Tuesday, a roving reporter asked the opinions of a number of undergraduates concerning the amendment to the By-laws re-defining the relationship between the BOD and the *California Tech*. Opinion ran from Rob Drew's enthusiastic "I think it's (the amendment) bitchin'!" to the equally enthusiastic comment posted on Michael Farber's door, "A free press forever. Vote no on the censorship amendment!"

Eds at odds with BOD

Pete Rouillard, felt that "There should be something to protect ASCIT from the editors, but there should also be something to protect the editors from the BOD."

Gary Schneulle said, he was opposed to censorship in any form—even potential censorship.

Subscription conscription

Gary Cable was for it. It makes no change in the present procedures, he said, but merely clarifies them. Mark Jackson felt that there was "a necessity for the amendment. The paper is supported by compulsory subscription. The legitimate control which is bought by the students is provided by making the BOD the ultimate control, while still allowing journalistic freedom."

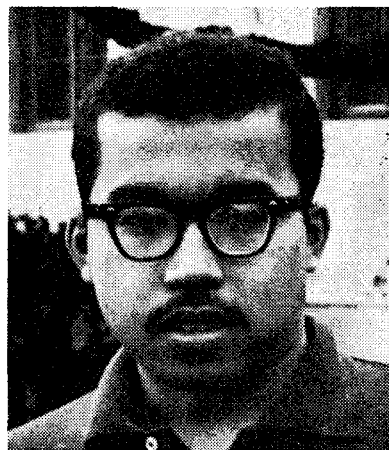
Mike Sperry's comment was "As I understand it, I am in favor of it. However, I am going to read it carefully and thoroughly on the ballot before voting." His opinion was that the editorial policy has been "a bit flagrant" in the past.

Rick Sinclair said, "No, I think the editors should have control. It does not follow from the fact that ASCIT finances the *Tech* that they should infringe on editorial rights."

Rhodes Racks Up Impressive Victory

Joe Rhodes of Blacker overwhelmingly defeated his three opponents to capture the office of ASCIT president in Tuesday's election. With 69 percent of the votes, he out-distanced his nearest rival, Sam Logan, by 269 votes. Erno Daniel and Craig Spencer followed closely behind Logan, taking about 11 percent of the 491 votes cast.

In the other important races,



Gavien Miyata cornered the secretarial position, Les Fishbone and Kirk Benson became the new *California Tech* editors, and the two By-laws changes pro-

posed by the Board of Directors both passed overwhelmingly.

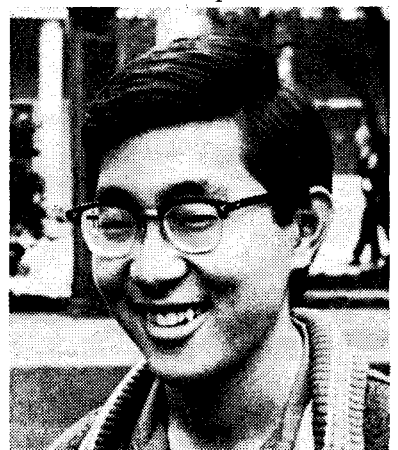
With no opposition Len Erickson took the office of vice-president, Jon Haviland netted the IHC chairmanship, John Cummings secured the treasury, and Mike Garet became the new activities chairman.

Only one runoff election is needed, that for the office of rep-at-large; Jerald Anderson and Mike Stefanko remain in the running.

Turning to the gory figures, only 491 undergraduates cast ballots out of almost 700 eligible voters. The presidential election caused the most interest, garnering 491 ballots; after this, students found the controversial amendment to the By-laws concerning BOD responsibility for finances and circulation of the *California Tech* almost as interesting, giving it 484 votes. The other contests then followed, and only the unopposed candidates received less than 400 votes.

Squeaked by

Miyata won the closest election; taking 52 percent of the 441 ballots, he far outdistanced his nearest rival Walt Denekas, but narrowly escaped a runoff election with the latter. For the office of athletic manager, Tom Burton took 54 percent of the



459 votes and defeated Larry Hunt.

Fishbone and Benson easily trounced the team of Dan Sinema, Tony Colonnese, and R. W. Pollock, amassing 75 percent of 474 votes in the *Tech* editor contest. Dick Wright garnered 77 percent of 426 ballots, defeating Steve Lewis for BOC secretary.

For the office of social chairman, an interesting situation had developed because of Richard Drew's campaign statement that he would take office only if he received 67 percent of the votes; he won the election, but received 63 percent of the votes. Finally, after a discussion with his opponent Bill Bradley, Drews decided to take the position.

As for the two amendments to the ASCIT By-laws, the one concerning increased pay for the *California Tech* editors passed after receiving 84 percent of 464 ballots. A still large but far smaller majority of 71 percent of 484 votes decided in favor of placing ultimate responsibility for circulation and finances of the *California Tech* in the hands of the BOD.

A final interesting sidelight on the elections is that in all contests where a final decision has been made, all candidates endorsed by the *California Tech* last week swept into office.

Rosemary Park Coming to Speak On Universities

Dr. Rosemary Park, president of Barnard College and vice-chancellor-elect of UCLA, will arrive at Caltech next Wednesday as a speaker in the Leader of America series. She will address herself to the problem "The University of Today."

Wednesday at 11 a.m. Miss Park will lecture in Winnett Lounge, and Thursday noon she will partake in a grad sack lunch. That afternoon she'll be in an informal discussion from 2-4 in the YMCA Lounge.

Editorial

Freedom Lost This One

The students have spoken: they want to exercise control over the ASCIT newspaper through the members of the Board of Directors. We cannot change this attitude on the part of the student body, but we most certainly deplore it. It reflects a fear of the truth, and an inability to entrust the editors with the powers which they have exercised until now.

Until 71 percent of the voters passed the By-law amendment, the editors and the business manager were responsible for the "success" of the paper. If the paper were not circulated through the mail, then the business manager and the editors had decided against it, not the Board of Directors. Indeed, such an internal decision was taken during third term last year, completely in accord with the By-laws, and without the inexperienced interference of the Board.

Thanks for the favor

Since the members of the Board, in their last-minute campaign to the Student Houses, stressed the procedure used during that crisis, and since ASCIT President Fred Lamb in particular was grossly in error with respect to the facts of the case, let us examine it more closely. Incidentally, it's a shame that the Board did not see fit to allow Meo equal opportunity to rebut their arguments. Whenever we criticize the Board in an editorial we tell them so, and make every effort to give them equal space. In their hasty decision to start campaigning, no thought entered their minds about telling the editors beforehand.

President Lamb, in addressing Lloyd House Tuesday noon, gave the following sequence of events for the week in question: 1.) the **Tech** carried a front-page recognizable picture of a coed with a caption stating she was being raped by Page House freshmen; 2.) Ed Hutchings, the faculty advisor to the newspaper, telephoned the editors and told them not to circulate the out-of-taste and possibly libelous issue; 3.) Bob Parker refused to circulate it, in his capacity as circulation manager; 4.) business manager Bob Berry refused to agree to circulate the paper; finally, 5.) Meo and Middleditch agreed to reprint it, substituting an old cartoon for the picture.

Labors under misapprehension

In this specific instance, and indeed throughout the campaign, Fred labors under a misapprehension of reality. What **really** happened, according to Meo, Berry, and Middleditch, was: 1.) Mr. Hutchings called the editors and told them that circulation was extremely dangerous; and then 2.) the editors decided to substitute the cartoon; 3.) they consulted with Berry as to how to reprint the paper. Parker, friends, had **nothing** to do with it.

In general, also, the contention of the Board members has had little backing in fact. They talk about the amendment as if it did not change things, and in fact it does, it **does**. Now that the BOD is responsible for the circulation of the **California Tech**, they will let only the business manager decide where the paper will go. And whenever they like, they can curtail it, a power completely alien to the scene hitherto.

The casualty in this struggle has been the freedom of the press. The Board, a basically conservative body, can veto the circulation of the campus newspaper, a basically liberal publication, at will. "Conservative" and "liberal" are used advisedly; the Board does not want to rock the boat, the paper does; the Board has an interest in keeping things quiet, the paper in publicizing scandals. And now, thanks to this lamentable, reactionary result, the Board passes judgment on each and every paper. A sorry state of affairs indeed. We mourn to see it come to pass.

—Michael Meo
John Middleditch

Residence & Dying Halls

In past editorials we have ranted and railed over the deplorable state of the Student Houses. Moreover, we have published the results of studies on the off-campus emigration, letters concerning the boorishness of the inhabitants therein, and filled column after editorial column bemoaning the plight of student living conditions.

Before proceeding any further with the case in point, it will be necessary to establish a value judgment on the potential merits of the Student House system. Should we have them at all, or would it be better for the undergraduate body-politic to exist off campus as anonymously and as narrowly oriented as the grad students? Most student leaders and faculty agree, however, that the House system provides the major focal point of student life on campus.

Exodus spreads among students, rats

Now that this question has been settled, what is there to do about Teckers leaving the Houses like rats from a sinking ship? Granted there is adequate value to single rooms as opposed to the roommate-boarding school type arrangement for which the New Houses were designed, but when more undergrads will be

living off-campus than on, the campus identity is in danger of extinction!

Measures have been taken to alleviate the situation. For example, Papa Huttenback is now open to suggestions to use a slush fund he has been allocated for House improvements (the money is apparently coming from the room-and-board charges). As an extra added bonus, seven Teckers (one representing each House) will go east on a tour of similar housing systems.

Caltech life breeds Houynhym

But these measures are Lilliputian in magnitude when compared to what **can** be done. Huttenback could be given a permanent fund of \$50 per student per annum (as does Harvard) for the improvement of the lot of the lowly resident. The food service could be released from the stifling fear of running its finances into the red. After all, SAGA left because they weren't making a profit; the Institute service, which is smaller in scale, can hardly be expected to be any better (and the unofficial consensus verifies this suspicion—with the possible exception of response to student opinion).

The obstacle to such improvements is, of course, money. Higher sources in the Administration indicate that nearly all (about 95 percent) of the money going into the Houses comes from **our** pockets.

On the other hand, the average frosh spends only \$738 for his tuition (as Dr. A. O. Beckman was kind enough to point out in a Monday Night Lecture of last term), while the actual **educational** cost is \$6,500. So why the Horatio Alger pay-as-you-go (. . . sounds like some Governor we know . . .) attitude with respect to the House system? When the Institute spends \$4 millions on the new A. A. Noyes building to provide office space for some 80 grad and post-doctoral researchers and plans to raise \$85 millions for new buildings, faculty, and operating budgets, such penurious policies with respect to the Houses is almost ludicrous.

To conclude, the Institute now has two alternatives: to change its policy regarding student living budgets, or to face a slowly dying undergraduate solidarity.

—John Middleditch
Michael Meo

Letters

ARA Is Neat!

Editors:

The letter from Len Doberne concerning the "necessity" for firearms control in the United States contains a number of unsupported and, I suspect, unsupported assertions.

Firstly, he states that the numerous "passion" homicide cases are justification for gun legislation. However, he offers no evidence that the incidence of such acts would decline if such controls were adopted. Indeed, it would seem that a kitchen knife would serve as well.

His arguments about accidents serve as justification for a safety campaign, and little else. Firearms safety is a matter of education, and as for children, a locked cabinet will stop anyone but a Tech-trained five-year old.

I would be very interested to see statistical correlation between low crime rates and gun legislation. Further, there are presently enough guns in the hands of American citizens to make any attempt at control ineffective. Certainly, any reasonable level of control would only keep honest men honest. Do you really believe that, in our society as presently structured, an Oswald could be prevented from acquiring a rifle?

Despite Mr. Doberne's attitude, a "gun in the desk drawer" can act as a crime-prevention device. Remember, the police exist primarily to **deter**, not to **prevent**, crime. Certainly, most crimes take place when no policeman is watching. Incidentally, the **National Rifleman** publishes a monthly column of crimes prevented by armed citizens.

Besides, why do I have to justify (Continued on page 4)

Notices

THE NEW TESTAMENT FRONTIER

will be the topic of a lecture given by Professor Calvin Schonhoven of the Fuller Theological Seminary at the meeting of the Caltech Christian Fellowship on Friday, February 17 in Winnett Clubroom 2.

TECH STAFF MEETING

All persons desiring to work or write for the **Tech** will meet in the **Tech** office tonight at 7:30. Everyone who wishes to review cultural events for free admission are welcome.

ASCIT TALENT SHOW

questionnaires are to be turned in to your House President by Wednesday, February 22. Support the Talent Show with **your** talent!

BRIDGE CLUB HOLDS FIRST MEETING

With Bob McDonnell as director,

Bob Wilson as president, and Dave Komm as treasurer, the Caltech Bridge club scheduled its first game for Monday, February 20, at 7:30 p.m. All duplicate enthusiasts are urged to attend the opening game.

California Tech

Published weekly during the school year except during holidays and exams by the Associated Students of the California Institute of Technology. Censored each week by the Board of Directors of same.

Editors: Michael Meo and John Middleditch, Editors-in-chief; Jim Cook, Managing; Vincent Johns, Copy; Peter Balint, Sports.

Suckers: Les Fishbone and Kirk Berison.

Staff: Jeff Hecht, Dave Lewin, Glenn Engebretsen, Dan Villani, Terry Reedy, Len Doberne, Roger Goodman, Rick Sinclair, Danielle Clarno, Ed Hsi.

Business: Bob Berry, Manager; Kim Gleason, Circulation Manager. John Walters.

California Tech, Publication Offices: 1201 E. California Blvd., Pasadena, California, 91109. Second-class postage paid at Pasadena, California. Represented nationally by National Educational Advertising Services, Inc. Subscriptions: \$1.50 per term, \$4.00 per year. Life subscription: \$100.00. Printed by Bickley Printing Co., 25 South Fair Oaks Ave., Pasadena, Calif. Volume LVIII, Number 18, Thursday, February 16, 1967.

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placement office on

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Those who for any reason are unable to schedule interviews may write to The Director (Code 1818), Naval Research Laboratory, Washington, D. C. 20390.

AUDIENCE

by Roger Goodman

Peter Nelson's *III Acts of Love* provided a delightful evening of drama last Saturday in Beckman Auditorium. The cast of Theatre West, performed one act comedies by George Bernard Shaw, Arthur Schnitzler, and Sean O'Casey respectively.

The trio began with "The Music-Cure" by Shaw, which depicts the plight of Lord Reginald Fitzambey, a young, wavering fellow who holds an inherited seat in Parliament. As the curtain parts, Fitzambey (Peter Nelson) is under a doctor's (Tom Palmer) care in a hotel room in London; he is nervously dis-

traught after others found that he purchased a large number of shares in macaroni interests because he knew, through his position, that their value would go up.

After threatening to jump out the window, Fitzambey is finally calmed to sleep by the doctor. Soon after, Strega Thundridge (Christine Burke), the greatest living female pianist, enters. Her exaggerated motions in preparing to play do justice to Shaw's humor. Reginald's fear of classical music is overcome with a soft Brahms waltz. Strega is drawn to this child upon whom she can trample.

Schnitzler's "Literature" depicts some problems of love and marriage, a subject of many of his plays. Baron Clemens (Palmer) has just deserted his fiancée Margaret (Miss Burke)

because of a quarrel over her literary efforts before her former lover, Amandus Gilbert (Nelson), pays a surprise visit. They reminisce about the past and discover that each has written a novel containing the love letters which they exchanged in the past.

When Clemens returns, he is not upset by Gilbert's presence, but proudly announces that he has cancelled publication of Margaret's novel; nevertheless, he retains one copy. When he promises to read it with her, she drops it in the fireplace and Gilbert snatches his book.

"Bedtime Story" by O'Casey is set in Dublin, where John Mulligan (Nelson) has Angela (Miss Burke) for "entertainment" in his apartment. As she prepares to go, she noisily romps through the room, much to the consternation of Mulligan.

Angela asks for money; she soon obtains Mulligan's ring, overcoat, umbrella, and wallet. She also gets compensation for her handbag, which she claims is somewhere in the room. The play ends after her exit, with his remembering she didn't have a handbag. In parts of the play, Nelson's words were unclear due to his efforts to provide an Irish accent.

On the whole, though, the three plays were good. They all contained ironic, comical circumstances and characters that were satirized by the playwright. Under Nelson's direction, the movements and timing were flawless, blending into a performance which employed the actors' total energy.

Bonner Enlightens Simple Freshmen

Dr. James Bonner, professor of biology, gave a comprehensive overview of molecular biology at the last Freshman Dinner Forum. The subject was given the title "The Most Interesting Thing at Caltech," which, judging from Dr. Bonner's talk, was not as much an exaggeration as it might have seemed.

Unlucky number

Dividing his material into two parts, "The Old New Biology" and "The New New Biology," Bonner first described developments of the last 13 years that have revolutionized his field. The rest of the talk was devoted to the ultra-modern experiments in biology that go on today.

DNA, familiar to a scientist in any field, was the first topic of interest. Biologists now know how this basic body acid replicates (reproduces) itself through the action of smaller components such as RNA, enzymes, and genes. These last, genes, are the "carriers" whereby characteristics of living tissue are transmitted to new cells. Viruses are tiny, almost imperceptible bodies that possess genes with characteristics "unfriendly" to DNA. Viruses can halt DNA replication and invade DNA molecules.

The foremost question of the "new new" biology is "How do cells produce different daughter cells in higher creatures?" In unusual, creative experiments, scientists are working on this and on related problems. One experimenter can put new genes in a frog and thus bring forth desired characteristics. Human physiologists are concerned with the same principles. For instance, only the bone marrow produces red blood cells. Why?

The answer is somehow involved with the fact that genes can be turned "off" or "on." Hormones are major activators in this respect.

Going on, the speaker told how cross-breeding is being performed with human cells and chicken cells. To allay the listeners' misgivings about human chickens (or chicken humans), Bonner explained that such cross-breeding was only possible in tissue cultures.

J. Z. Young's Specialty

Neurobiology was the last and most interesting new field presented. Through the magic of tiny electrodes implanted in neurons (nerve cells), two MIT researchers have been able to look through a frog's eye. Through this and similar techniques, a five-part frog vision has been discerned. In human beings neurobiology has naturally centered on the brain, where nerve functions can be studied with electrical impulses. Of these, the memory function is engaging a great deal of attention, especially in relation to computer science. With increased knowledge in this field of neurobiology, Bonner concluded, scientists hope to increase limited human powers, such as memory, and to solve such human problems as aging.

Vista Recruits Undergraduates

Seven VISTA (Volunteers in Service to America) members visited campus last Thursday and Friday. Like the Peace Corps volunteers who were here four weeks ago, last week's visitors freely and cheerfully gave information at a small post office Winnett to anyone who cared to listen.

Thursday they made an appearance at the Grad Sack Lunch, and Friday showed an excellent movie on VISTA work.

Sylvia Hughes, an ex-member fresh from work among the Indians in New Mexico, gave her impressions of VISTA service. Others of the four thousand dedicated volunteers assist in community problems and projects in poverty pockets across the country.

Teckers busy with school, but still desirous of helping in VISTA-type occupation, have a unique opportunity to do so right here in south L.A. Joan Roberts, one of last week's visitors, is trying to remodel an old building into a neighborhood center for meetings and recreation. Electrical and plumbing work is needed; in effect, the house is being built up practically from scratch. Anyone no experience necessary) will be welcome at the site of operations, 912 E. 46th Street, L.A. Further information is at the VISTA office, 4618 S. Central, 234-8785, or Miss Roberts (evenings), at 231-9633.

YMCA Yelections

(Continued from page 1)
organization on campus . . . I would like to work for new and better programs and activities for the benefit of the Caltech community."

Link with outer world

Lewin ran unopposed for the office of treasurer. His statement including the following statements: "The Y is the only organization on campus that links us to the outside world . . . However, the Y can only do as much as it has funds for. Herein lies the importance of the office of treasurer, this and his presence on the executive committee."

About twenty members of the Y showed up to vote for the various offices. The Caltech YMCA is the most active and well-financed student group on campus, with a budget of almost sixty thousand dollars.

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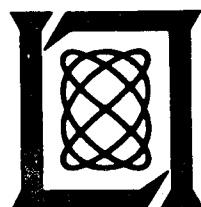
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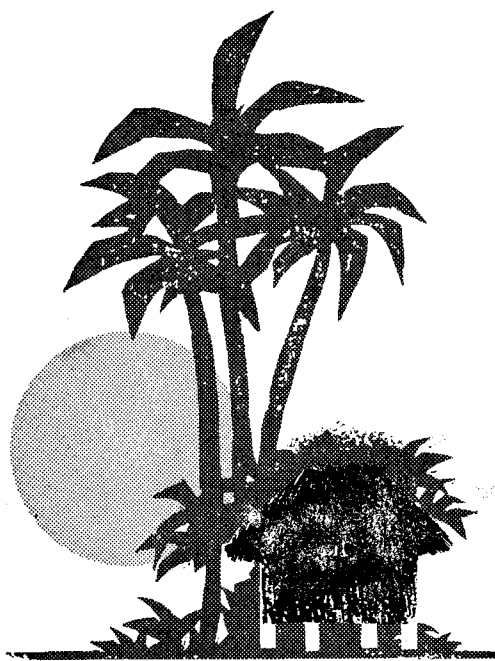
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Office Offers Old Housing Wardrobes

The Wardrobe Room, in the basement beneath Blacker, is one of the most obscure places in the Student Houses. Intended for student use, the room's only door opens onto the "garbage courtyard" between Blacker and Dabney, opposite California Blvd.

The room was the office of the Master of Student Houses from 1948 until the New Houses were built. At that time, it was not nearly so obscure, with a door which has since been sealed off opening into the main part of the basement. The water pipes underneath the high ceiling helped to impress visiting parents when a toilet upstairs was flushed.

Caltech Service League

The Wardrobe Room has existed for some fifteen years, having previously been in the "temporary" building T-4. Like many other services to students, it is sponsored by the Caltech Service League. Interested people in the area make donations of all sorts of clothes. Everything but the formal wear (tuxedos and accessories) is free to any student who wants it. The formal wear should be returned. There is now a large assortment of shirts, slacks, socks, jackets, ties, and other sundry clothing, and Ned Hale in the office of the Master of Student Houses has the key for the asking.

Films Office Covers Events At Caltech

What does a TV or movie producer do when he finds he needs a shot of a scientific researcher or an astronomer? He comes to Caltech, naturally, and the place to go here is the Caltech TV-Radio-Films Office, hidden away in a corner of Lower Throop.

Mrs. Rose Blythe Kemp is the efficient coordinator of this visual counterpart of the News Bureau. She has been here for the last eight years, except for an absence of two years from 1963 to 1965, which she spent in helping to set up and organize Los Angeles' educational TV station, KCET. From this work and other jobs, Mrs. Kemp acquired valuable experience in her field, and is thus well-qualified for the position she holds.

Astounding Science inflection

A most personable woman, Kemp related instances of the engaging tasks she handles. Foremost among these is service to outside TV and film producers wishing to obtain scientific footage. Through the film office they can get pictures of any particular kind of work that is available.

The major recent movie project was filming of the 75th Anniversary Convocation. This was co-covered by outside motion picture people and by the Caltech staff. A total of 30 hours of footage was taken, and cutting out all the ers, ands, and uhs, she reduced this to six attractive two-hour shows, currently being run on KCET weekly.

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L. G. Bonner Now Advisor for LAD

Dr. Lyman G. Bonner, a Caltech alumnus and presently director of foundation relations at Caltech, will become a special assistant to President DuBridge for matters concerning campus development and liaisons with federal agencies that support research. The appointment is effective immediately.

Elephantiasis

With regard to his first responsibility, Bonner will coordinate the various faculty, administration, and trustee groups that deal with campus expansion. Questioned more specifically, Bonner said that present plans call for physical growth all the way up to Del Mar Boulevard; the type of buildings will probably not change much from the Keck-Booth-Steel model. Undergraduate enrollment will remain constant, while graduate students will increase in number to about 1000. A corresponding growth in faculty will accompany this later increase. Bonner also made the interesting statement that any consideration of a girls' school would require a major change in the outlook

of everyone concerned with development.

Bonner's other major task is important because professors are often unaware of the various federal agencies that will sponsor research. He should insure that optimal use is made of the taxpayers' money to support the diverse campus research programs.

Guns Are Great

(Continued from page 2)

tify my interest in guns to you, Mr. Doberne? If I feel like taking my 20mm cannon out to the desert and shooting at a few tin cans, what business is it of yours?

No, there is no field for legitimate action in the area of further restricting law-abiding citizens. Such tactics are spawned by the same philosophy which leads to censorship and "blue laws." The need is for stiffer penalties for illegal users of firearms—not for passing laws which inconvenience only those who choose to abide by them.

Mark Jackson

"ONE OF THE YEAR'S TEN BEST FILMS" . . .

Judith Crist
Bosley Crowther
Newsweek

LYNN REDGRAVE IN

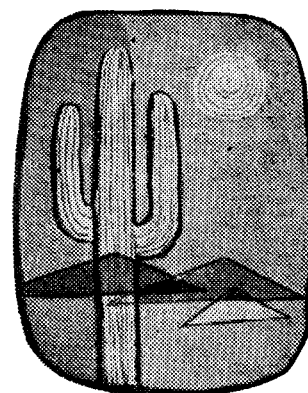
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Without the appropriate license, it is a misdemeanor for any person to sell, or expose for sale, any intoxicating liquor.

CANADIAN STUDENTS OPERATION RETRIEVAL

A team of Canadian University, Civil Service Commission and Department of Manpower personnel will visit the Campus to acquaint Canadian students on the Campus with employment opportunities in Canadian universities, industry and the Federal Civil Service. Canadian students are cordially invited to attend the meeting.

There will be a general meeting in Room 206 Dabney on Thursday, February 16, 1967, at 8:00 p.m., and each student who so desires will have an opportunity for a private interview with a member of the team on Friday, February 17, 1967, from 9:00 a.m. being made by Mr. Donald S. Clark, Director of Placements. If you wish between a University, a Civil Service Commission or a Department of Manpower Member of the team.

Arrangements at your University are an interview on February 17th, please telephone extension 2362 for an appointment, indicating your preference

Russian Astronomers Laud Education Here

by Roger Goodman

Three Russian astronomers paid a one-week visit to Caltech recently and spoke to the students. Dr. I. D. Novikov, V. L. Ginzburg, all of whom stayed in the Athenaeum, gave lectures and met with Caltech's astronomy staff.

Ginzburg and Shklovsky, who speak English, also ate lunch in Lloyd House and stayed to answer students' questions. Ginzburg, who is on the staff of the Soviet Academy of Sciences, described his work in Moscow. Ginzburg is one of 70 men in the applied physics-astronomy department and does fundamental research in cosmic rays. At present he has no connection with undergraduates, limiting himself to graduate students.

In the Soviet Union students do not enjoy as much mobility as in the United States; most of them go to college where they live. Moscow, with its seven or eight million people, including suburbs, is the educational center of the country. The University of Moscow has 25,000 students.

No room at the inn

The lack of mobility results mainly from the great shortage of dormitories. One of the biggest educational problems is that there are ten applications for each space in a dorm. Students live with relatives wherever possible. Ginzburg emphasized, though, that there is freedom of travel.

Since there are no private industries to finance scientific research, all grants come from the government. Because of the political system, patents are rare and Ginzburg felt that they should be issued for inventions

but that it is unnecessary to award them for discoveries. When the livin' is easy

Students at the Academy get two-month breaks, as do the professors. Since the government runs the schools and colleges, most students do not need to work during vacations, except those with special financial problems. Popular summer activities of Russian students include fishing, traveling, and mountain climbing.

Tension pressure pain

While classes are in session, however, it is a different story. The usual course load is six hours of compulsory class a day, with homework, too. It is not surprising that students often feel overpressured. Stipends for living expenses are available from the government to those with high enough marks.

Compact set

Ginzburg likes the arrangement at Caltech, with undergraduates, grad students, and researchers all in the same place. He also likes the intimate size; the important thing to have is an adequate number of competent scholars.

When asked about language requirements he replied that today the language to learn in the Soviet Union is English. German dominated the foreign language scene in Russia around the turn of the century, but since the war English has gained the top position.

Lepor! unclean!

Now every Russian mother wants her children to go to schools that teach English. Ginzburg himself won't touch grad students who don't know English.

He was less talkative about current events. When asked about the race to the moon, he said that if he knew anything significant about the Russian timetable he couldn't have come here.

His reaction to the ideological struggle in China is one of pity for the clashing factions. Ginzburg said that he learned more from reading magazines in the Athenaeum than he could ever learn by reading newspapers back home.

He said Russian scientists, including himself, were asked in 1956 what experimental apparatus they wanted put on earth satellites.

Keep the mouth shut, baby

Ginzburg was asked about the recent ad in the New York Times

(Continued on page 8)



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Rugger's' Win Streak Broken Swimmers Win

After easily winning its first two matches, the Caltech rugby team lost twice last week to two radically different teams, Occidental and San Diego State.

Oxy's Rough

Occidental's team consisted mainly of football players and they played like it. They were very large and managed to push Caltech around most of the time. Oxy played rather rough, but the referee let them get away with many infractions. The Tiger backs did not pass particularly well, but the size and aggressiveness of their forwards kept them in Tech territory most of the game. The final score was 13-0 on three tries and two conversions.

The game against San Diego State was much better played, with both teams playing accord-

ing to the rules because of the sharp refereeing. The game was relatively even most of the way, but San Diego's superior passing among the backs proved to be the difference. Tech had several chances to score, but could not take the ball over the goal line until the last few minutes of the game. Unfortunately, San Diego was safely ahead 6-0 by that time, but Caltech's try made the score a more respectable 6-3.

Robert Bellue has been playing consistently fine games at flanker since the beginning of the season. The big Frenchman has really bolstered the team with his deadly tackling and his excellent ball-sense. Peter Dodds has been outstanding with his amazing running through crowds and his booming kicks.

The Caltech swimming team opened the 1967 season with a triangular meet against Pasadena City College and San Bernardino Valley Junior College.

Henry DeWitt won both the 50 and 100 yd. freestyle races, and Greg Wright produced a second and a first. Wright's time in the 200 yd. backstroke broke the old school record of 2:19.6, while his time in the 200 yd. individual medley was only .2 second off the school record of 2:17.3. Mabry Tyson and Mike Stefanko placed second and third in the 200 yd. breast-stroke. The 400 yd. medley relay team of Tyson, DeWitt, Wright, and Mark Johnson also swam near the school record.

Prospects for this season seem bright, with the possibility of almost all of the school records being broken.

Tennis Teams Lose to UR

In their first official contest of the season, the Caltech tennis squads—both varsity and frosh—were drubbed unmercifully by Redlands last Saturday. The varsity score was 9-0; the frosh at least managed a victory and a tie while losing the overall contest 7½-1½.

From the very start, the nationally renowned varsity Redlanders revealed their mastery by taking all six singles matches by scores of 6-3 or better.

In doubles, Burns and Young of Redlands teamed to smother Greg Evans and John Healy 6-3, 6-0. Similarly Murdy and Nelson disposed of Tom Buckholtz and Martin Frost 6-1, 6-3.

By far, the varsity Beavers' best showing of the entire day came in the "featured" match pitting Jamison and Tucker of Redlands against Davidheiser and Brown. Tech deuced the first set six times before bowing 12-10.

Page House freshman Peter Youtz won his singles match 8-6, 4-6, 6-4 from Bob Thelen. The only other bright spot in a very dismal day for Tech was a tie in the featured doubles match between Youtz and teammate Guy Duesdieker and Redlands' Terrible Twosome Atherton and Chris Grays.

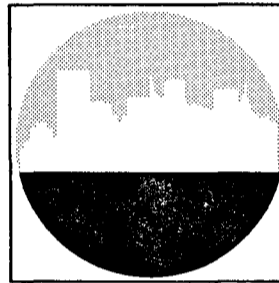
Matmen Honored

This week's spotlight is on two wrestlers who have had a rough time in the wrestling matches. Jeff Haemer of Lloyd and Derry Hornbuckle of Ruddock both came to Tech with no previous experience in wrestling. They have come across tough opponents in the 123 lb. and 130 lb. classes respectively and have not been able to win so far this year. They have, nevertheless, worked very hard and Coach Gutman is impressed by their determination and pride.

Of them he says, "It takes a special quality and personal pride to go through a wrestling season and not once receive the reward of victory. Jeff and Derry are two athletes with such a record, but don't let their record fool you. Both boys know that success in wrestling does not come easy, and with a long-range goal of hard work and self-development they know that they will become good wrestlers. In my experience as a wrestling coach, I have known many wrestlers that even under more rewarding circumstances would quit the sport and not take defeat as a challenge. As I see it, Jeff and Derry are meeting a challenge."

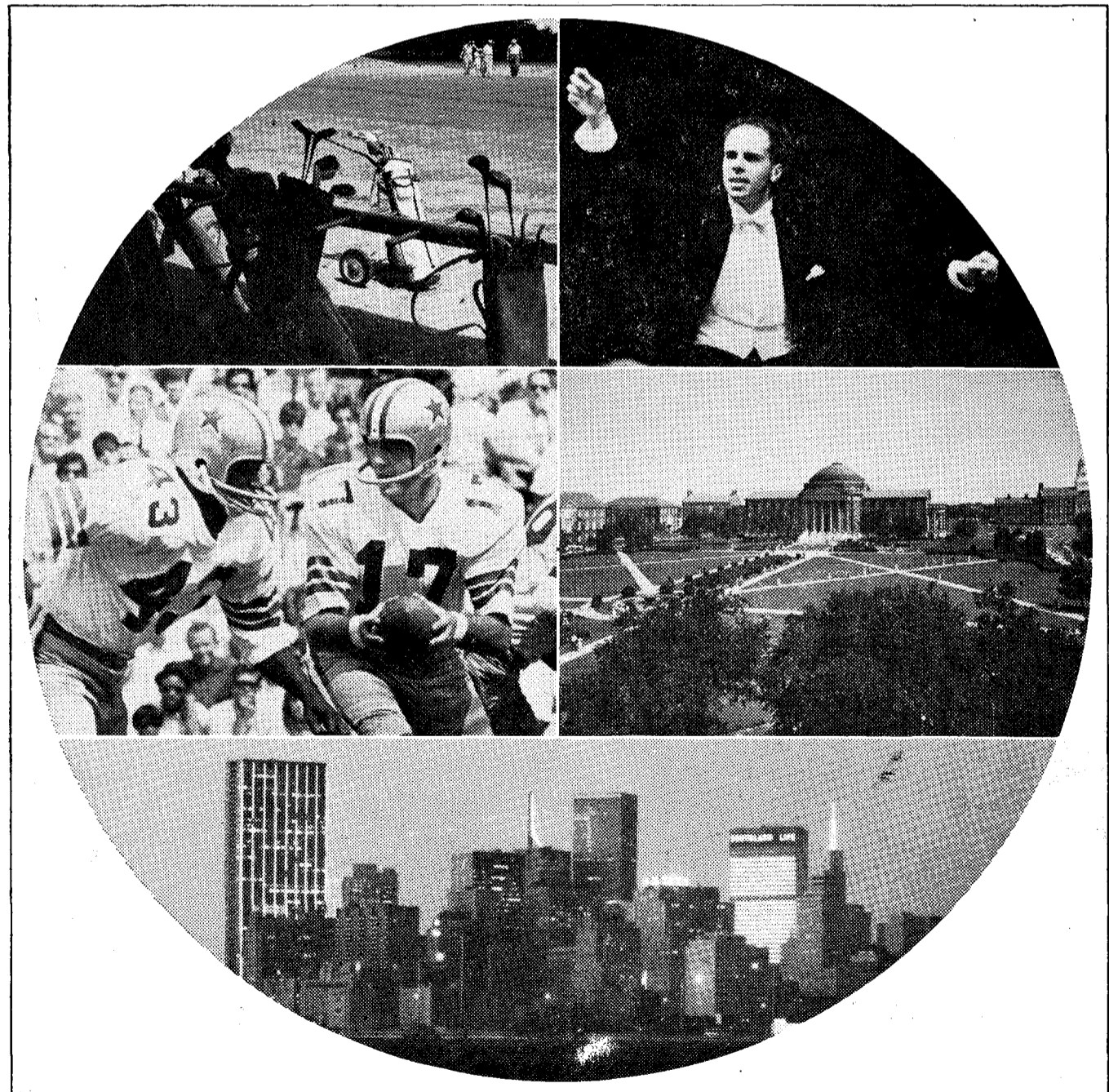
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Campus Interviews

THURSDAY, FEBRUARY 23

New Weight Program Starts

by Gutman

If every athlete at Caltech were to strive to meet his athletic potential, Caltech would be competing at the same level as any school in our conference. The purpose of intercollegiate athletics is to provide those individuals interested in competitive sports an experience designed to develop their physical being, to develop an appreciation for skillful performance, to develop an appreciation of and responsibility for health and fitness, and to allow each participant to meet a challenge, his own potential. The path an athlete travels to meet his potential is not easy. To improve his athletic status, he cannot just participate in a sport but must physically and mentally develop himself throughout his association with athletics. Off-season training is just as important in athletic development as the training provided during the season itself.

On Feb. 27, a new off-season training program is going to be offered to all athletes. This program is primarily designed to increase the strength and endurance of its participants.

It involves two methods of weight training. One is to concentrate on quickness and endurance and the other is to develop physical strength. This program will be conducted Monday through Thursday from 4:00 p.m. to 5:30 p.m. The minimum attendance requirement for those interested in the program is any two of the four days offered per week. Sophomores will also receive PE credit for the course.

Most schools have an off-season weight training program for their athletes, and it has proven to be very beneficial in improving their athletes' performances in all sports. If any athlete is interested in signing up for this program, contact Coach Gutman immediately.

Page's 75 Pts. Easily Wins III Track & Field

For the third year in a row Page House won the Interhouse track and field meet with a record high score. Page took 75 points. Ruddock took 65, after which the scores dropped off very rapidly.

The first race of the day was the 1320 yd. run. The predicted duel between Richard Burton of Fleming and Rich Norman of Page did not materialize because Burton took the first lap too fast and did not have enough left to be in contention. Norman ran away from the pack after about 1000 yds. and finished in the fine time of 3:29.1.

In the 330 yd. run Jim Andrew of Ruddock took a close first with a 37.7 timing. Dave Goodman and Dan Hammons of Page finished second and third respectively. That was the story throughout the meet: Ruddock would take six points for a first,

while Page took seven for second and third.

Ruddock's Bill Butterworth and Greg Brewer took firsts in the 100 yd. dash and the 660 yd. run respectively. Eric Jensen of Ricketts won the 70 yd. high hurdles with a poor time of 11.0.

Andrew became the only double winner of the day when he won the 220 yd. dash with 23.9. He didn't gain over Page, as they took second and third. Page took one of their few firsts in the 220 yd. intermediate hurdles. Hammons won easily in 27.5, only .2 second over the Interhouse record.

Finally, Page pulled away from all competition in the relay right from the start. The team of Don Goral, Ron Gregg, Dave Goodman, and Dan Hammons ran smoothly, passed the baton well, and did an excellent 1:37.9 in the 880 yd. race.

Frosh Hoopsters Beat SCC 69-61

The Caltech basketball team turned in three fine performances last week, but unfortunately they were all in vain as the Beavers lost to Biola 84-66, to Pomona 80-67, and to Southern College 102-88. The junior varsity fared better during the week as they won their second game of the year beating SCC 69-61.

Against Biola on Wednesday, Caltech stayed even except for the second quarter when they turned the ball over too many times and Biola went ahead by 17 points. On Saturday, Pomona led throughout the game, often by large margins, but Beavers made a run at the end of the game and cut the lead to 13 points. Fantastic shooting by both teams, but especially SCC, heralded Tuesday as they had three men above twenty points.

The junior varsity shot well and rebounded fantastically against SCC to chalk up their second win of the year. Bruce Ault led the team with 19 points and 21 rebounds. Ault has been playing well throughout the season, with especially fine performances against LaVerne (25 pts.) and SCC.

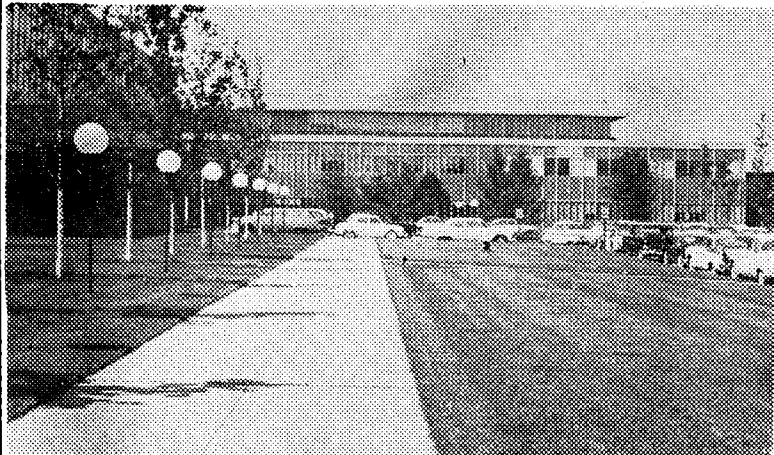
Fleming Takes Discobolus Win On Second Try

The two leaders in this year's Discobolus competition, Fleming and Page, played a basketball game of sorts last Sunday. At the end of the highly emotional, rugged, and well-played contest, the cagers from Page were officially declared victors by the score of 31-30.

A number of factors, however, raised considerable doubts as to the accuracy of that score. Apparently Craig McAllister, one of the game's referees, thought that the score was all tied up when time ran out, because he announced a five-minute overtime period. His attention was quickly called to the "official" scorer's tally of 31-30 in favor of Page. McAllister decided he was obviously mistaken and proclaimed Page the winner. Afterwards, Charles Creasy told McAllister and Les Fishbone (the other referee) that he had recorded the score as 31-31.

Later that same day at an IHC meeting, Fleming filed an official protest accusing Page of failure to assume its responsibility as challenging House. It seems that a regulation time clock, a scoreboard, and an official record book were not available for the game. Also, Fleming claimed that it was not made clear who the "official" scorer really was. Page countered that the equipment provided was the best they could obtain under the circumstances, and that everybody understood that the "official" scorer was Terry Warren of Fleming. Furthermore, Page observed, Fleming did not object to playing the game under the conditions which they later (after "losing") deplored as inadequate. After an hour or so of discussing the situation, the IHC ruled that the game should be replayed.

And replayed it was. On Tuesday afternoon, the fired-up Flemings, behind fine performances by Bruce Odegaard (12 pts.) and Randy Harslem (8 pts.), managed to contain Page despite a hot hand by Rob Drew (13 pts.) This time the final (and definitely official) score was 30-26.



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Leighton Gets Award

Dr. Robert B. Leighton, professor of physics, staff member of the Mt. Wilson and Palomar Observatories, and co-author of the beloved Ph 1 problem book, received the "space science award" of the American Institute of Aeronautics and Astronautics at the recent AIAA's honors convocation in New York City.

Bell Aerosystems Company gave a \$1000 honorarium for the award, citing Leighton for "outstanding achievements in astronomy and in astrophysics, particularly in solar surface studies and in Mariner IV studies of Mars." Because Leighton was unable to attend, his award was accepted by Caltech aeronautics professor Lester Lees.

Solar surf
The honor came to him for his

role as chief investigator of the television picture experiment of Mariner IV, which obtained successful photos of the surface of Mars, and for his observations of the sun. The physicist observed the solar surface with a Doppler camera of his own design. The camera disclosed, among other phenomena, huge atmospheric waves rising and falling on the sun.

Didn't Like Stalin

(Continued from page 5)

placed by American college professors urging President Johnson to stop bombing North Vietnam. He replied that professors in the Soviet Union could not place such an ad, but that people who had differences with the official Soviet foreign policy could talk about it with their wives.

His feeling about academic freedom is that an educational system is based on years of experience and should not be changed at the whim of students.

Abolish Ma 2

(Continued from page 1)

gamut from applicability of the text to style of the teacher to testing procedures. They are of the multiple choice variety; in most cases the possible answers definitely state a position asking the respondent to judge a quality as excellent, good, fair, or poor. More subjective comments cannot be tabulated but will receive individual treatment by the committee if they are submitted.

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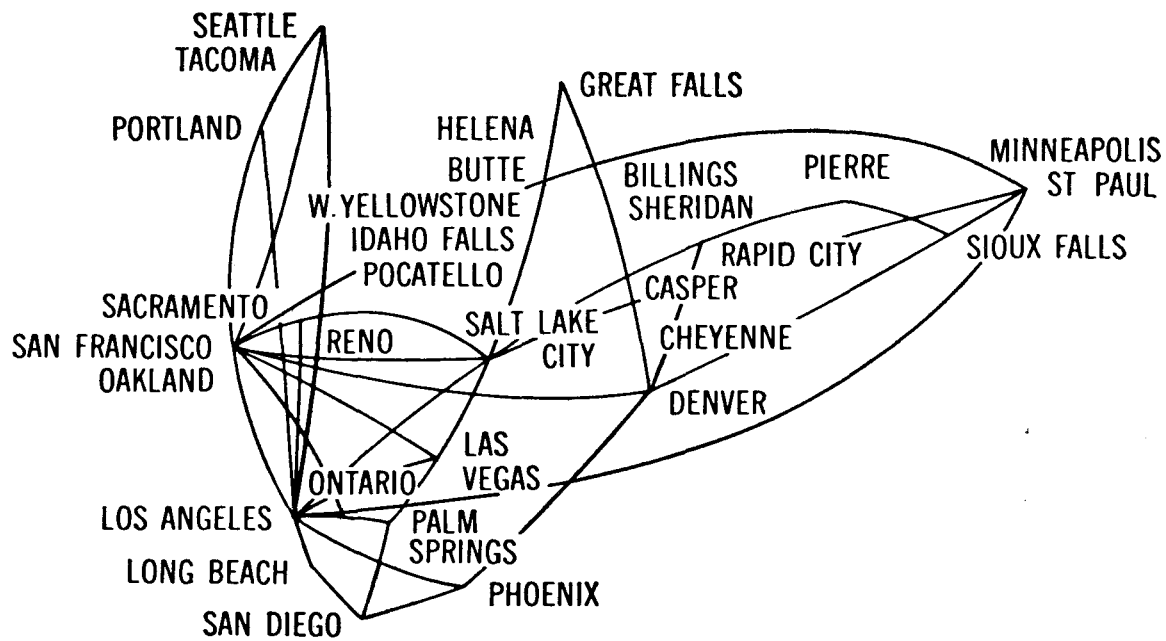
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