

Faculty Votes to Keep The P.E. Requirement

by I. M. Wett

Caltech still has a three-term physical education requirement, much to the dismay of the 18 seniors who have passed two or fewer PE courses and were hoping to not have to enroll in PE next term. [Three of these seniors need to pass two or three terms or be granted a waiver of the requirement by the faculty.]

The decision to retain the requirement was made at Monday's faculty meeting, which approximately 60 of the faculty attended. Discussion of the issue opened with Dr. James Mayer (chairman of the faculty Committee on Athletics and Physical Education) suggesting that the existing requirement be changed to require three terms of PE in a student's first three years here. At the prompting of Dr. Dirty David R. Smith, he also suggested that the requirement could even be fulfilled in someone else's bed, if the student had Warren Emery's approval.

"As I Stated In 1971,"

Dr. Robert Huttenback then moved that the PE requirement be dropped entirely, citing the belief that a modern university need not act *in loco parentis* in regulating physical activity any more than it regulates drinking or smoking (he did not specify what could be smoked with institute approval). Further, he argued, the Caltech faculty never had, and probably never would, deny a BS to a student merely because he lacked 9 units of PE credit.

Dr. Robert Dilworth, chairman of the faculty, then invited

three students to speak. Liz McLeod, ASCIT president, stated that while many students, herself included, enjoyed physical activity, they didn't feel that someone who disliked it should be required to participate.

Next, Steve Bitondo, student representative to the Athletics and Physical Education Committee, cited an example of a student, one of many, he believed, who dislike PE but strongly supported the requirement because it forced him to be active and keep his weight down.

Continued on Page Eight



HELLO! My name is Alan Shiller, and I'd like to talk with you about a possible Honor System violation. Photo by Silverstein

New BOC Head Talks to *The Tech* On Honor System

by Alan Silverstein

The Chairman of the Board of Control is generally anonymous in his official position, like the rest of the members of the Board. He, in particular, and the BOC in general wield a lot of power, power which by the properties inherent in the successful operation of the Honor System must be used cautiously, impartially, and quietly.

Traditionally the Secretary one year succeeds to the chairmanship the next, so that the person in the latter position will be as experienced as possible. This year was no exception; Ruddock Junior Alan Shiller was elected by ASCIT without opposition. He said that the Chairman has always been elected from the Board "as far as I know. Otherwise there would be total chaos."

As the chairman Shiller's duties are to investigate all alleged violations of the Honor System and convene meetings of the BOC "if there is good suspicion there has been a violation" thereof. He also will handle any other matters pertaining to the Honor System that come through the board.

In his dual role as Vice President of ASCIT he serves in the President's absence and acts as a general member of the BOD.

Shiller said he knew of no controversial matters that are now or might in the future come before the BOC for action. On the subject of master keys, he said that most of the Board members "agree that you can get by without them. We encourage BOC members not to have them." However, he feels that there will be no pressure from the administration to make them a violation of the System; "long before that happens there will be different locks on campus and better provisions for students getting keys."

There is nothing going wrong with the Honor System, Shiller

Continued on Page Four

R&R Hires New Managers

by Bob Kieckhefer

After eight months of complaints about the food at Chandler, R&R Food Service has finally done something. While they still haven't told us what R&R stands for, they have hired two new managers to bring some new ideas and some better food to The Greasy.

Mel Jackson, food director, and Wayne Morrow, chef manager, have each been in the food-service business for 20 years and bring much experience as well as new blood to Chandler. "We know it's going to be tough breaking Greasy's reputation," says Morrow, "so we're going to try hard to not let our new programs fall into a rut."

Morrow's latest innovation is an all-you-can-eat Smorgasbord which will be held at least once a week (notices in the *Tech* and in The Greasy will warn you which days to starve in anticipation of the feast). While the price of \$2.10 is more than you would pay for a hamburger and fries, it's probably worth it for a once-a-week feed. And when it gets warmer, the Smorgasbord will be on the patio facing

Winnett, absolving you from having to actually enter Chandler to eat.

In contrast to previous all-you-can-eat specials, this one features a wide selection of quite palatable grub. Entrees this past Wednesday included Steamship Round roast beef (cut to order), barbecued chicken wings, and spaghetti with meat sauce. In addition there were mashed potatoes, tossed salad (with croutons!), cole slaw, jello, and various types of bread.

And Leave Him There

In addition to the Smorgasbord, Jackson and Morrow have brought a "new look" to the Greasy—the long rows of pack-them-in tables have been rearranged into small groups or single tables. While this probably doesn't improve the taste of the food much, it does give The Greasy a more friendly atmosphere and shows that the new managers are at least interested in trying to please the Tech community.

Morrow says he is also interested in catering to the houses on a limited-seconds basis for any menu they want. (Some houses are already taking advan-

tage of this arrangement, but sign-ups for the third-term board contract still have been less than overwhelming.)

Whether or not The Greasy's years-old reputation will change because of the new managers remains to be seen. But if you haven't visited the place in a while, it's probably worth trying again.

Propositions Pass; Social Chairman Becomes Extinct

by Gavin Claypool

The office of ASCIT Social Chairman has become extinct, following the passage of two bylaws changes March 1.

Proposition 7 was approved 154-54, just under 75% of the vote. Beside eliminating the social chairman, the measure renamed the office of Director of Student Life, calling it the Director for Social Activities, and made that officer responsible for ASCIT social functions.

Proposition 6, which required the little *t* to publish the set of ASCIT documents each year, passed 192-18.

Remember
Today Is
Drop Day

We Open in Venice



THE CAST of "Kiss Me Kate," caught in the act of doing whatever it is that they do. Photo by R. Gruner

Do Work; Sign Up for ASCIT Offices

by Dennis Mallonee

Application periods for the following offices close today (March 8): Totem Editor and Gamework Chairman. The following offices close on Tuesday, March 12: Student Darkroom Chairman, Social Committee Members, Athletic Committee Members, Executive Committee Members. This will be your last chance to sign up for these various offices.

The Executive Committee is the body which does long-range planning for ASCIT, interprets the By-Laws, and does investigative functions. There will be four to eight members appointed; currently seven have applied. Applications may be given in

writing to any member of the current Excom (Dave Drake, Roland Lee, Dave Smallberg, Gavin Claypool, Peter Beckman, Dennis Mallonee, Liz McLeod, and John Dilles), or an interested party may sign up on Flora's door in Winnett.

The Athletic Committee is the ASCIT committee responsible for all athletic matters (logically enough). There will be zero to three members appointed (in addition, the undergrad Houses will each get a chance to appoint a member during third term); currently one has applied. Applications may be given in writing to the ASCIT Secretary (Dennis Mallonee), the Athletic Managers (Debbie Wilson and

John Denker), or sign-ups can take place on Flora's door.

The Social Committee (which used to be the Executive Social Committee (which used to be the Social Committee)) will have zero to three members appointed (in addition to the seven House appointments in third term); currently one person has applied. Applications may be given to the Secretary or to the Director for Social Activities (Paul Manis), or you can sign up on Flora's door.

The three other offices should be self-explanatory, and there are various people that applications could be given to, but the best bet is to just sign up on Flora's door before the deadline gets here.

Executive Committee

Members Remain

For the first time in *n* years, the ASCIT Excom has fulfilled the function it was designed to do: to provide, in effect, a "Supreme Court" for the corporation.

The Excom's opinion in regard to the status of ASCIT members who take a leave of absence was reached Monday night after preliminary considerations dating back more than one

and one-half weeks. The opinion and subsequent ruling were agreed to by all members of the Excom except secretary Roland Lee, who felt that the intent of the ASCIT documents was what was important, and that the intent of the documents did not necessarily correspond to what they say. (This line of reasoning was rejected by the other members of the Excom.)

Majority opinion of the Executive Committee 3/4/74

Question: What is the status of ASCIT members who take a leave of absence. In particular, the question as it refers to Channon P. Price.

The Executive Committee, upon the request of the ASCIT Secretary, considered the question as a ruling on whether or not the application of Channon P. Price for the office of Election Chairman would be rejected or accepted.

Relevant sections of the By-Laws: Article I, Section 1; Article XIII, Section 4.

Article I, Section 1 of the By-Laws states: "All members of the corporation shall be entitled to the right to hold a corporation office, in accordance with the provisions of these By-Laws; no person shall hold an office of the corporation who is not a member of the corporation."

Article XIII, Section 4 establishes the existence of the Election Chairman as chairman of the Election Committee. Since the office of Election Chairman is established in the By-Laws, and the officer is appointed by the Board of Directors, it is an office of the corporation.

The question then becomes what constitutes a member of the corporation. If the Executive Committee did not answer this question, it would be unable to fulfill its constitutional obligation to interpret the By-Laws.

Therefore the Executive Committee was forced to refer to the definition of membership contained in the Articles of Incorporation: "All undergraduate students of the California Institute of Technology shall, upon registration and payment of the dues to be provided for by the By-Laws of this corporation, become members of this corporation."

There are no provisions in the Articles of Incorporation which would deprive any person of membership once membership is acquired.

OPINION: Any member of the corporation who takes a leave of absence from the Institute shall remain a member of the corporation until the beginning of the following term, at which time registration and payment of dues shall be required for the membership to continue.

RULING: The application of Channon P. Price for the office of Election Chairman shall be accepted.

Opinion and ruling approved by:
David A. Drake, chairman
Peter W. Beckman
John H. Dilles
Dennis L. Mallonee
David A. Smallberg

Opinion and ruling rejected by:
Roland R. Lee, secretary

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THE CALTECH FORUM

Manis Castigated

Planning social activities is a job best done by one person. This avoids any overlap of duty between two social chairmen or whatever you call them and allows the easy planning of a single social calendar.

If Mr. Manis's performance as Director-at-Large is any indication, we will not have to worry about his intentions as Director of Student Life. He did very little work for last year's BOD and has not shown any sign of changing his habit this year.

In past years, some ASCIT officers were lazy. I have seen them. But I did not write this letter to expound on ASCIT's history. I would like to encourage Paul Manis to do the job he was elected to do and not make other excuses.

If he does not want the job he should resign or be recalled.

A negative letter like this creates bad feelings this early in the term but Paul's letter to the *Tech* did not indicate much devotion to his office. ASCIT means a lot to me and I want to see it continue to exist. Without willing leadership, it will not.

—Dave Peisner

excesses of every sort. The concept of "whole" persons in terms of bisexuality is, therefore, too limited and too oversimplified. After all, isn't human equality more than a matter of mere interchangeability?

—Jim Vibber

Ogilvie Applauded

Dear Ms. Ogilvie,

While I applaud your letter to the *Tech* (3/1/74) as a timely blow against the entrenched forces of reactionism, I do object to the opinion, implied in your column, that sexual relations should take place only between organisms of the same species.

During my career I developed a deep emotional attachment toward the young boy I was working with, an attachment which was reciprocated. However, we were prevented from developing this relationship to the fullest by a human-chauvinist society, sanctions which both hampered our emotional growth and our abilities as actors.

How long can this sad state of affairs be allowed to continue? Cannot a bitch have her day? Cannot a boy love his dog?

Sincerely,
Lassie

Ogilvie Favored

I would like to commend Ms. Ogilvie for finally having written an article with a tone that seemed less than hysterical. I hope this aspect continues to improve, since I support the *gist* of the women's liberation movement, and hysteria—as opposed to conviction or being emphatic—tends to be one of the strongest arguments against the movement.

On one point I beg to differ, however. The contention that a patriarchy cannot survive in the presence of acceptable homosexuality is not supported by historical fact. Among the more famous stable patriarchies have been those of Sparta and of the decadent days of the Turkish Empire. Unlike the former, the latter was "renowned" for sexual

Ogilvie Knocked

This is your friendly, outside agitator male chauvinist commenting on an article in the *Tech* by a female chauvinist.

I can agree with Ms. Ogilvie that women fencers should not have to change in the head. But it is because there is usually plenty of room in the men's locker room. The principle that the women's locker room can turn into a visiting team room is sound if it is ever necessary, though.

I, for one, having participated in varsity sports, and a wide variety of organized and random recreational sports, must uphold varsity honor. While I was ASCIT half-ath, I was dismayed to see the lack of varsity esprit-de-corps

FRANKLY SPEAKING...by phil frank



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that existed on some squads, and even now hope that this can improve. Believe me, it is great to be part of a scrappy bunch of people going to conference tournaments.

I worked long and hard for that in high school. At Caltech, if you are not in the intensive care unit at the Health Center, you can make it onto one athletic team or another—anyone can. Maybe it's *too* easy.

You, Ms. Ogilvie, are lucky to be at a place where women are accepted so easily. Has there been any hassle about women joining varsity teams? There has been undue publicity perhaps—so what if Caltech's quarterback is not wearing a jock? It was only because of the unwillingness of the women—not the coach, or the team, or the athletic director—that Cal Lutheran preceded Caltech in putting a female wrestler on the roster.

You are lucky to be in a place where we do not have the best teams that money can buy. I'm glad our conference allows *no* athletic scholarships. It means that sports remain as they should be—a facility that is available without an accompanying compulsion.

You may compare the percentage of Techers who are on varsity teams to the same at USC, UCLA, Oregon, or any major sports power. Almost no one goes out there; those who do go out get paid to do so.

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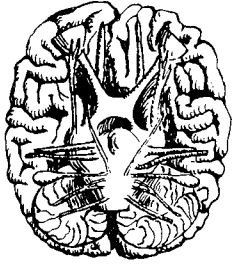
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from the cerebrum

by Richard Gruner

As the deadline for filing income tax reports draws near many Americans are being painfully reminded of the extent to which individuals are called upon to support our government financially. This year, more than ever before, large numbers of Americans are paying their taxes without holding confidence in our government because of the disillusionment and credibility gaps which were generated by the investigations of Watergate and other political scandals during the past year. Disillusionment and disbelief of administration sources have also characterized this nation's response to the energy crisis and thus the following analysis of this crisis presented by State Assembly Speaker Bob Moretti in a speech delivered earlier this year is of particular importance at this time:

"The bad news of the energy crisis is that fuel continues to be unavailable or hard to get and prices continue to climb. In the meantime, oil company profits are enormous. Gulf reported to Senate investigators in Washington last week its worldwide

profits were up 60 percent, while total sales grew less than six percent. Gulf also made more selling less to us at home—profits up 5.3 percent, sales down 4.8 percent.

"Exxon, the nation's largest oil company, says its profits during the final three months of 1973 were almost 60 percent higher than the same period of 1972—up from \$493 million to \$784 million.

"And in spite of enormous profits, these oil companies paid less than the average citizen in federal taxes. The top 18 oil corporations controlling 75 percent of the U.S. petroleum market netted \$3.9 billion in the first half of 1972 and paid an average of 7.25 percent in federal taxes.

"When you subtract Exxon from the top five oil companies (because its figures could not be obtained), the next four companies on the average paid only 4.15 percent of their adjusted net profits in federal income taxes during this period.

"About the only benefit coming from all these increased

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What Oil Shortage?

Geologists Urge Oil Search

Pointing out that no more than half the nation's petroleum-producing potential has been explored or developed, an informal committee of top petroleum men and economic geologists announced Monday that they have urged President Nixon and the Congress to give highest priority to a domestic exploratory program for new reserves of oil and gas in order to provide early relief to the energy crisis.

At the same time the geologists emphasized the great need for the conservation and the rapid development of alternatives to oil and gas as sources of energy.

The geologists, who are affiliated with universities, the Federal Government, and the oil industry, met on campus at the invitation of Dr. Harrison H. Schmitt, Sherman Fairchild Distinguished Scholar at Caltech and geologist-astronaut of the Apollo 17 mission.

In letters to the President and several senators and representatives, the Schmitt Committee recommended the formation of a Petroleum Resource Assessment Commission with broad representation from industry, universities, and the government. A \$2 billion total outlay over five years was estimated as sufficient to complete a petroleum assessment program.

It is highly probable, the geologists said, that there are as many as 300 billion barrels of oil and equivalently large amounts of gas in unexplored regions accessible to United States domestic production.

Additional onshore and offshore domestic oil and gas fields must be developed rapidly and in environmentally acceptable ways to meet immediate needs, to make the United States independent of uncertain foreign supplies and to prevent intolerable unemployment, the geologists declared in a statement. Without such development, the present crisis of

supply can be expected to continue into the 1980's and to continue to be subject to the control of external forces.

The Schmitt Committee includes the present and four past presidents of the American Association of Petroleum Geologists, a university president, the executive director of the National Commission on Materials Policy, three professors of the earth sciences at major universities, two representatives of the petroleum industry and a private consultant.

The committee estimated that the unexplored area of potential petroleum available to the United States is about 1.3 million square miles. This includes offshore areas that lie up to 8,000 feet under water. The committee recommended the rapid assessment of these areas by modern geophysical and geological means to determine areas favorable to petroleum exploration and production. In addition about 100 offshore test wells will be required to help interpret the geophysical information. It was estimated that the total assessment program would eventually cost \$2 billion.

To expedite the program, the committee recommended that a commission be created and chartered for five years. It would be composed of geologists, geophysicists, and other technical advisers drawn from industry, universities, and government.

It was recommended that the assessment program be managed by the United States Geological Survey. It was stressed that as assessment progressed, exploration and development of new areas favorable to petroleum production be conducted by private industry.

"The proposed assessment program would provide a basis for the effective formation of our national policy toward the leasing of offshore lands," the committee stated. "With public access to information, large and small industry units could be concentrated on exploration."

Prior to the present energy crisis, the Schmitt Committee pointed out, the United States used about 17.1 million barrels of oil a day. Currently the nation is producing about 9.5 million barrels a day. Thus the current projected deficit is about 7.6 million barrels a day.

Assuming achievement of an energy conservation and conversion equivalent to about 4.7 million barrels a day, that is about 20% of previous needs, there still will be an immediate deficit of about 2.9 million barrels a day, the committee noted. This deficit will grow to about 7.5 million barrels a day in 1980, even by conservative estimates.

"It became apparent to us very quickly that an increased supply of petroleum is the only answer to our immediate energy needs," said Dr. Schmitt, "and also that while new petroleum reserves are being discovered and developed, extensive research into the use of coal and other energy sources must be supported to find long-range alternatives to oil and gas."

Dr. Schmitt also emphasized that both the increased production of petroleum and the development of longer-range alternatives must be consistent with the environmental needs of the present and the future.

The committee pointed out that in the half of the prospective petroleum area of the United States that has been explored there was a potential of 300 billion barrels of recoverable oil. About 100 billion barrels of this oil already have been extracted.

The committee said that it is highly probable that an additional 300 billion barrels of recoverable oil are present in the unexplored areas.

A similar case can be made for natural gas resources, the committee stated.

Four or five more super-giant fields like that at Prudhoe Bay on the Alaska North Slope would temporarily provide the petroleum necessary for our immediate needs, Dr. Schmitt said. That field apparently contains at least 10 billion barrels of producible primary oil. Such a field can usually produce about two million barrels a day.

Super-giant oil fields are more likely to be discovered in the unexplored offshore areas, the geologists stated. Such fields are defined as those that contain one billion or more barrels of oil or three trillion cubic feet of natural gas. These fields are desirable because they can quickly provide sustained production.

The geologists expect to find larger fields offshore—where most of the unexplored region lies—

Continued on Page Eight

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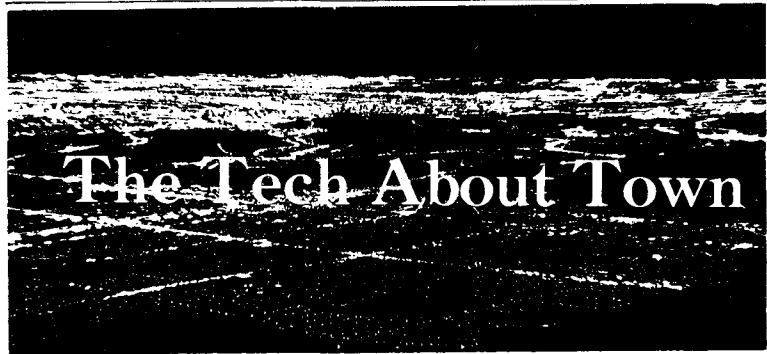
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MUSIC and COMEDY

Monday Only: Hampton Hawes
 Coming Next: Hello People



by Marc Donner

I have just been handed a very way-worn dog eared list of record companies which have been nice to the *Tech* in the past, so we should have some record reviews in the near future.

We have lots of nice information for you today. The people who do these things have arranged a special extra Dabney Lounge Chamber Music Concert for Sunday, March 17. This before-finals special will feature the Los Angeles Group for Contemporary Music which numbers among its members Mario Guarneri of the Guarneri Quartet and L. A. Philharmonic. The program will consist of Hindemith's *Kammermusik* and compositions of Harold Budd, Mario Devodorsky, Morton Feldman and Stefan Wolfe.

For the science fiction and fantasy fans in the readership there is a special event next Tuesday, March 12. Katherine Kurtz, author of the series "The Chronicles of the Deryni." She will speak about writing fantasy and read excerpts from her newest work. This encounter will be at 7:30 in the Pasadena Public Library Auditorium at 285 East Walnut Street. The three members of Ms. Kurtz's Series already written (*Deryni Rising*, *Deryni Checkmate*, *High Deryni*) are among the newest members of the Ballantine Adult Fantasy series.

Remember that there will be a program of silent films and organ music with Chauncey Haines in Ramo Auditorium at 2:00 p.m. Sunday, March 10. This is free to holders of Silent Series tickets and costs \$2.50 (special discounts to Teachers). Ask for "Music for Everone."

The Icehouse this week is featuring Chad Stuart of Chad and Jeremy; Mike Nuen, a thrilling comedian of Peggy Fleming Ice Show, and Mike & Brian. Also featured is Kin Vassy for a second visit after wild encores last time. This collection will be at the Icehouse through next Sunday. Next Monday will be a special all jazz show featuring Hampton Hawes, Carol Kaye and Washington Rucker. For the rest of next week, Hello People will be at the Icehouse.

Tomorrow there will be a big concert at Santa Monica Civic Auditorium with The New Riders of the Purple Sage and Commander Cody and His Lost Planet Airmen. Showtime is 8:00 p.m. and tickets are available at Ticketron and other ticket agencies.

Also be reminded of the Hoyle-Smit piano recital-lecture tonight at 8:00 p.m. in Ramo.

Next Wednesday the Silent Movies Wednesday Night will feature the Gish Sisters in their first few flicks with D. W. Griffith at 8:00 p.m. in Ramo.

A Shaggy-Computer Story

There is proof positive today that the computer which summons citizens for Los Angeles County Superior Court jury duty is absolutely on the square.

The computer's job is to send jury summonses at random to those registered to vote in Los Angeles County. So who do you think just got a jury summons in the mail? It was Superior Court Judge Thomas C. Yager.

Obviously, the 161 judges of the court are not supposed to serve on juries.

Knocking

Continued from Page Two

You speak as if there should be no "favoritism" for the men's majority. Perhaps no distinction. If you think that the men have a better locker room, then go use it. Most of the jocks I know wouldn't object.

One thing the feminists have done for me is open my eyes. I am proud to say that I'm a male chauvinist. Who are you trying to kid when you say "women" want equality. Those who want it get it. But there are those who do not. I will continue to open car doors for them, I will continue to take them out, and I will continue to hope they kiss me good-night.

-Roody Smik

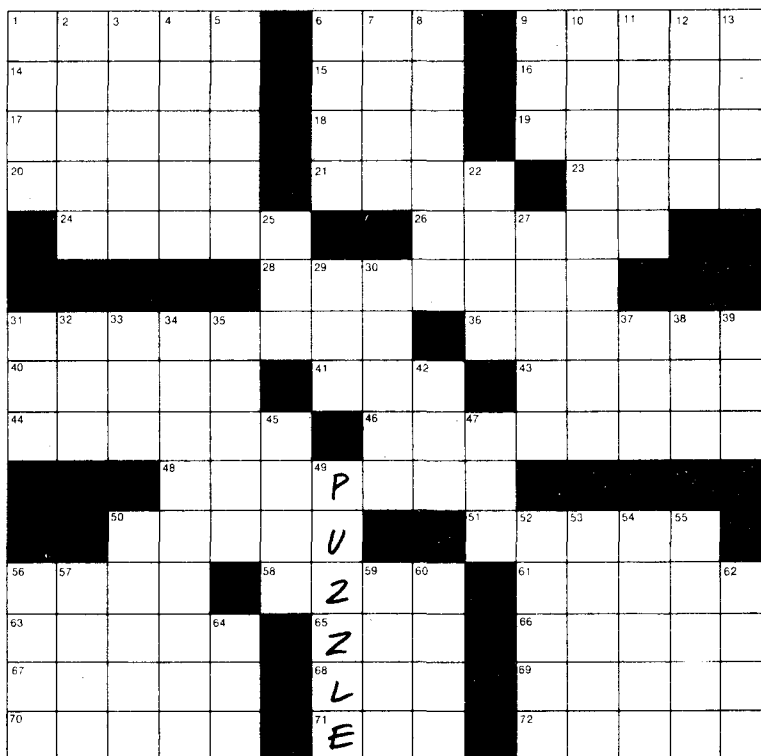
Angryword Puzzle of the Week

Across

- 1 Stone's girl
- 6 Bad ass rockers (init.)
- 9 Safecrackers
- 14 "The _____" McClure play
- 15 House addition
- 16 "_____ On Main Street"
- 17 Edged roof
- 18 Meadow
- 19 Spread out
- 20 Lopez
- 21 "My Sweet"
- 23 TV's Jeannie
- 24 Mock
- 26 Composer Jerome & family
- 28 Obstructs
- 31 Captain Marvel emulator
- 36 Baltimore ballplayer
- 40 Scandinavian folklore
- 41 Milk drink
- 43 Top-notchers
- 44 Disc award
- 46 Evil
- 48 Slang for Mesopotamians
- 50 Lost (French)
- 51 Actor Terence
- 56 Vocalizer Vikki
- 58 Post Stone
- 61 Unitarian
- 63 South African thongs
- 65 Zig's partner
- 66 Record producer Gamble
- 67 Just right
- 68 It's a sin to tell one
- 69 Go in
- 70 Big bandsman Goodman
- 71 Finish
- 72 Dictum

Down

- 1 Help
- 2 Zeroes in on
- 3 Radio programmer
- 4 Debbie Reynolds musical
- 5 Trucker
- 6 Top 40 label
- 7 Low-priced orgy ingredient
- 8 Original Byrds drummer
- 9 Art rockers
- 10 Addition
- 11 What one does with one's loins
- 12 Happiness
- 13 StitcheD
- 22 Spanish distance measurement
- 25 Edge
- 27 Televised again
- 29 Women's libbers' equals
- 30 Hype
- 31 Droop
- 32 Nilsson's "Without
- 33 Jolson's given name
- 34 Early Dylan
- 35 One who equips
- 37 Three Dog Night hit
- 38 Big bander Brown
- 39 Letter
- 42 "Let's _____ It On."
- 45 Yugoslav Society of Disc Engineers
- 47 Kicking target
- 49 Motown's latest hit group
- 50 Fluff one's plumes
- 52 Recording set divisions
- 53 Big concert hall
- 54 Like mint
- 55 Window glasses
- 56 Baby bed
- 57 Assistant
- 59 Ann can't stand it
- 60 Mellowed
- 62 Vocalist Laura
- 64 Stone leader



Shiller

Continued from Page One

responded when asked about the recent upsurge in thefts on campus. "Most of the thieves have been outside people," he said.



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Non-Front Page News Briefs

The Caltech Y is continuing its fourth annual Phase II Freshman Orientation program, under the auspices of the Academic Divisions. Freshmen will be able to gain information about the various options from faculty and their representatives on the evenings listed below:

Biology: Monday, March 11th @ 7:30 p.m., Clubroom 1.

Engineering & Applied Sciences: Tuesday, March 12th @ 7:30 p.m., Winnett Lounge.

Geological & Planetary Sciences: Wednesday, March 13th @ 7:30 p.m., Y Lounge.

Don't Go to the Gaming Chapter

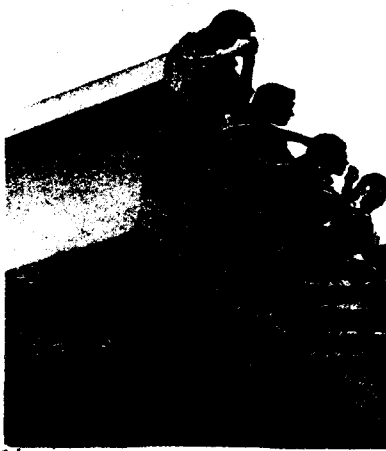
The Caltech Gaming Chapter will *not* meet this Saturday, in deference to the Sci-Fi Festival. (It would have been an "Alien Space" game, but why give a war if nobody will come?) There will be an Alien Space game on Saturday, March 16. Look in the next *Tech* for the location of that meeting.

Musical Gap In Musical

The *Kiss Me Kate* orchestra needs a viola player and a cellist. Anyone interested should contact John Gustafson (449-9696) or Flora Constanten (x2157).

See Films From Foreign Lands

Tomorrow evening (for just \$1), Cinematech will bring you the classic German film *The Last Laugh* (directed by F. W. Murnau and starring Emil Jannings), one of the most noted achievements of the silent era, AND the Czech film *Closely Watched Trains* (directed by Jiri Menzel), winner of the 1967 Academy Award for Best Foreign Film. 8:00 p.m. in Baxter Lecture Hall.



audience

Those of you who didn't see Carlos Montoya at Beckman last Friday or Saturday night missed seeing a master in action. For many years Sr. Montoya has been considered one of the best Flamenco guitarists in the world. He holds a position similar to that held by Andres Segovia in the classical world: Single-handedly Sr. Montoya took the idiom from the tabernas and Gypsy gatherings to international fame on the concert stage. Flamenco had rarely been performed without singers or dancers and no written music existed before Carlos Montoya. Sr. Montoya also invented the device of tapping the guitar with a fingernail to suggest the click of a dancer's heel. This technique worked very well Saturday night.

Sr. Montoya demonstrated his complete mastery of the Flamenco style as he played pieces illustrating all aspects of this complex form, from old Gypsy melodies and the "Cante Jondo" to fully developed modern Flamenco. Many of the themes are familiar to aficionados of classical guitar: *Malaga* (from which *Malaguena* derives), *Granaina* (the inspiration for *Recuerdos del Alhambra*) and the "bullfight music": *Macarena en Tango*. It was surprising to hear so much more feeling in what can only be called the original versions of these well-known classical pieces.

Sr. Montoya's mastery is phenomenal. In *Castilla, Folias y Gaita*, a medly comprised of themes from Castilla, the Canary Islands and Galicia, he mimics the whistling of the Canary Islands and the bagpipes of

Galicia so well one suspects he has a tape recorder hidden in his guitar. Sr. Montoya's ability to imitate instruments came to startling focus in the first of his encores, *Saida*, an illustration of the holy week in Sevilla. The listener could easily hear the trumpets and snare drums leading the solemn parade as well as the sounds of thousands of people having a good time.

In all, the performance was catharsis defined. Without the two intermissions I doubt I could have lasted the entire concert. Sr. Montoya's refusal to play more than two encores was due, no doubt, as much to the emotional stress of playing Flamenco for two hours as to the physical strain of playing technically demanding music was on the master. He's not THAT old. If you don't actually hate music, or even if you do (he might change your mind) go hear Carlos Montoya the very next chance you get.

-Lew Proudfoot

Cerebrum

Continued from Page Three profits and increased prices for oil is the increase in local property taxes. The oil companies tell us where the profits are but they don't tell us where the oil is. We cannot even determine the true dimensions of the energy crisis because we don't know what oil is being pumped, how much is being stored or sent through pipe lines, or any other basic information.

"We are suffering from an information shortage as much as a fuel shortage."

Y Fund Drive

Students Give Big This Year

In a year of scarcity and economic woes, the Caltech Y enjoyed the most successful fund drive in its history, collecting \$3630. Last year, the fund drive netted \$2700, about par for the course.

"We really tried to reach everybody on a personal level. Face-to-face contact is much better than, say, form letters," explained Treasurer Karen Maples, who headed the annual fund drive.

Although most of the contributions came from undergraduates, the Y also received support from graduate students, Cinematech, and ASCIT. Fleming, Dabney, and Page led the student houses in their support of the fund drive.

While student contributions are only 4% of the Y's income, they greatly influence the size of outside contributions. Moreover, the fund drive helps gauge the success of the Y's overall programming.

Wes Hershey, Executive Dir-

ASCIT BUDGET for fiscal year, 1974-1975, as adopted Wednesday by the BOD.

President	\$ 50
Vice President	150
Social	3750
General	1500
Contingency	800
Bus	750
Loan (CACP)	500
Academic Affairs	75
Films	2250
Totem	360
Athletics	500
IHC	600

Clubs	Third Term
Wind Ensemble	\$ 50
Karate	50
BSU	25
Coop	35
CCSA	150
CCF	160
Student Shop	100
Glee Club ♀	250
Glee Club ♂	300
ASME	35
Model UN	150
Deseret	20
Alpine	50
Musical	600
Aristotelian	20

ector of the Caltech Y, attributes the success of the fund drive to "higher student involvement than

any other YMCA in the country. Also, we've had a superb student Excomm this year."

Get a Free Ride

Shuttle to USC, UCLA

Free, regular station wagon shuttle service connecting Caltech with USC and UCLA campuses (including stops at the Clark Library, Norris Medical Library and UCLA Biomedical Library) is still available.

Passengers wishing to ride the bus to UCLA or USC are asked to make arrangements 24 hours in advance, if possible. Call Rod Casper, ext. 2405, for reservations. At present the service offers trips on Monday and Thursday to both UCLA and USC.

In order to provide researchers full use of the libraries, both USC and UCLA libraries will issue a borrower's card to any member of the Caltech faculty without charge. Existing policy of UCLA and USC requires that a graduate student from another

university pay a borrower's fee of \$6.00 for six months use of either of those libraries. A similar fee paid at Caltech will enable graduate students from those schools to borrow books here. The service is limited to faculty and graduate students during the pilot test.



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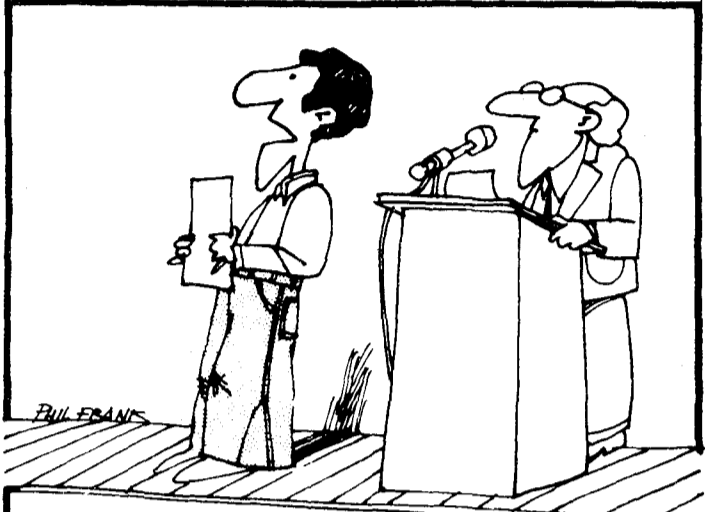
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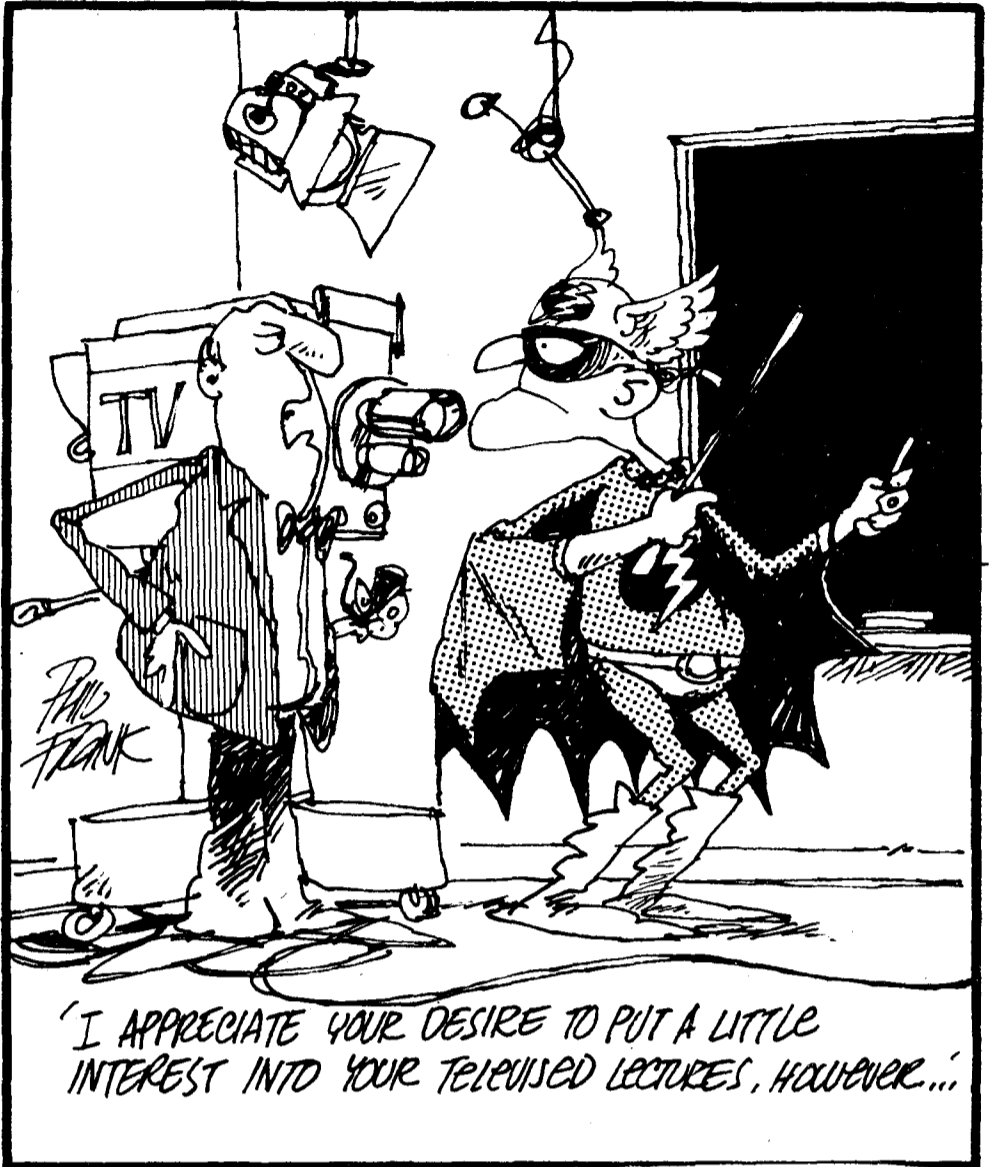
frankly speaking by Phil Frank

Feature Page

"Frankly Speaking" by Phil Frank



I'D LIKE TO WELCOME DEAN HOTCHKISS, CAMPUS COFFEE FUND COORDINATOR, MEMBER OF THE COMMITTEE TO STUDY COMMITTEES, AND PRESIDENT'S COUNCIL ON HANGNAILS WILL SPEAK ON THE SUBJECT, BUREAUCRACY!

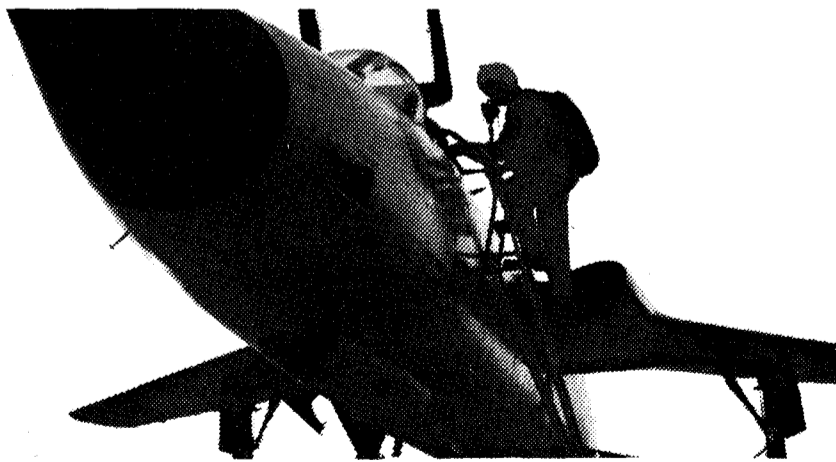


'I APPRECIATE YOUR DESIRE TO PUT A LITTLE INTEREST INTO YOUR TELEVISED LECTURES, HOWEVER...'

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FRANKLY SPEAKING... by phil frank



'I ASK YOU.. IS RADICAL ACTIVISM DEAD?... WELL, IS IT?'





Page Eight

Friday March 8, 1974

Token Sports Articles

Sailing

The sailing team went to the third Southern Series regatta and came away with a rather discouraging seventh. The winds were quite strong on Lake Lindero and there were several near capsizes in Flying Juniors. However the swappings in the FJ's were as nothing compared to the carnage amongst the Cyclones.

Scarcely a minute passed in which at least one Cyclone was not on its side or upside down. Every time a particularly strong puff came a bunch of Cyclones would flip. In one race, one particularly imperturbable skipper capsized or nearly capsized five times but not once got his feet wet, so adept was he at climbing over the boat to stand on the centerboard to right it.

Next regatta is April 6. We're supposed to host it, which should be interesting.

Feed Your Face

at Winnett

by Peter W. Beckman

Who says ASCIT doesn't have social events? Today, your friendly student government will be sponsoring (or cosponsoring) two events designed to show Techers as they really are—gluttons and boozers.

At noon in Winnett Plaza (weather permitting) or in Winnett Center (Flora permitting) there will be a humongous spaghetti eating contest. Co-ed teams will vie to see who can put away the most food within a given period of time. Ordinary eating utensils will not be allowed, and so it will be necessary for the contestants to use some ingenuity in getting the food from the plates into the mouths. It is expected that six or seven teams will participate. The spaghetti will be supplied by Roma Gardens.

On a somewhat higher level, there will be a reception in Winnett Lounge Friday evening for Sir Fred Hoyle and Professor Leo Smit. The event is being co-sponsored by ASCIT and the Caltech Y, and there will be tremendous amounts of goodies to munch on and drink (Ricketts House take note). A number of the science-fiction writers who will be participating in the next day's conference, including Robert Heinlein, Poul Anderson, Larry Niven, and Jerry Pournelle, are also expected to be present. The reception will begin at approximately 10:15 p.m.

Track

by Tom Creswell

The Caltech track team hopes for an upset win over Redlands were rained out this past weekend. The meet will probably be rescheduled for sometime in April. According to Coach Neal, although a certain element of surprise will be lost, we should only be stronger and better prepared if the team continues its amazing pattern of progress.

Two weeks ago the Beavers evened their record at 1-1 by blitzing Claremont-Mudd. This week the team travels to Pomona Pitzer where the meet should be a close one.

P.E. Kept

Continued from Page One

Bob Kieckhefer, *Tech* sports editor, then argued that most Techers, himself included, had been cut from any high school teams they had gone out for and needed some impetus, such as a PE requirement, to get some exercise. He also somewhat vaguely likened the PE requirement to the humanities requirement in that they were both designed so that Tech graduates were better "rounded" than straight science-and-engineering-only trolls.

OPE Hypothetically Loses

About a half-hour of debate among the faculty followed these presentations. Dr. Ned Munger suggested that, if the requirement were dropped, the institute would be obligated to increase its PE budget to encourage undergrads to stop their trolling occasionally and get some exercise. Dr. Harold Brown replied that he would not feel compelled to do so and that the budget probably would be cut. ["If we had had a music requirement and then dropped it, we wouldn't be obligated to build a concert hall."]

Further statements pointed out that any individual student could get any individual requirement waived, if his petition were approved, and that the PE

Our New Security

Learning How to Interview

by Alan Silverstein

At the beginning of this school year Caltech revised its security system by releasing all of its own people [on a half hour's notice —Ed.] and contracting with K&S, a relatively new security agency. This action brought a lot of comment and speculation from the student body, including not a little worry that the campus might lose much of its freedom. However, the situation appears to be better than last year's, if anything, [? —Ed.] and student interaction with and reaction to the new police has been favorable on the whole.

Caltech Security Manager Lee Chapman is optimistic about the new force also and is satisfied with the way they are working out. The contract service apparently alleviates most of the expenses, complications, and problems encountered when Tech hired its own people while preserving many of the benefits of a small force working exclusively for and answering directly to the Institute.

They Keep Becoming Janitors

Chapman explained that he still has the right to "interview and background every employee before he comes aboard" and estimated that perhaps thirty

requirement wasn't any different from any other requirement. It was pointed out, however, that the prospect of reviewing "thirty" [actually at most eighteen] individual petitions on PE argued that, on the grounds of expediency, the requirement be dropped.

After all the discussion, the vote was surprising one-sided in defeating the motion to abolish the requirement. While no tally was taken, the voice vote indicated a margin of 3-to-1 or 4-to-1 against the motion.

Other Happenings

In other events at the faculty meeting, the institute require-

ment for a subject minor for graduate students was abolished. Individual divisions may decide to require a minor for their students, however.

Dr. Brown announced that freshman applications were down 1½% from last year, which he considers "probably not statistically significant," while graduate applications were up 12%, which probably is statistically significant. Partly because frosh applications remain low (900 this year), the faculty voted 40-20 that the admissions committee should attempt to limit the maximum size of the next few freshman classes to 220.

applicants had been considered for every one of the eleven full-time people now working. Tech had no way of verifying its own people's records, but every guard hired by K&S must be registered with the state. Thus Chapman has been able to maintain higher standards than last year, and has attempted to achieve "a fair balance of age and experience versus youth and growth."

A contract service can be preferable because it is more economical and efficient in the long run. It handles its own details such as bookkeeping and employee benefits, and is also responsible for supplying the necessary trained men when the

Institute requires. K&S in particular is a new company with no big accounts; it was contracted to "Tech, period" and can be very select. Its employees are hired to work with Tech and have no place else to "move on to." Speaking of the police, Chapman noted that none are working at other part-time jobs [that he knows of —Ed.] (while last year many were), but that several are part-time students elsewhere.

As a new company with a new account K&S expects to absorb a financial loss during its first six to twelve months, Chapman said, but they are also satisfied with the success of the new force to date.

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If you are a male U.S. citizen or living in the U.S. on a permanent resident visa, and need money for graduate education in California, you are eligible to apply for a Jake Gimbel Loan. Application forms are available in the Graduate Office, 204 Dabney. It is necessary to submit some recommendations and transcripts.

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Oily Story

Continued from Page Three

—because offshore areas contain geologically younger rocks which elsewhere are known to provide larger fields and relatively larger quantities of oil and gas from comparable volumes of rock.

The members of the committee from Caltech are Schmitt, Barclay Kamb, chairman of the Division of Geology and Planetary Sciences, and Leon T. Silver, professor of Geology.

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Dwindling Sports Menu

Date	Time	Sport	Location	
Friday, March 8	All Day	Wrestling	at River Falls, WI	
	1:00 p.m.	Golf		Away
Saturday, March 9	All Day	Wrestling	at River Falls, WI	
	12:00 noon	Baseball (dbl.)		Away
	1:30 p.m.	Varsity Tennis		Home
	1:30 p.m.	JV Tennis		Away
	1:30 p.m.	Track		Away
Monday, March 11	12:30 p.m.	Golf	Home	
	4:00 p.m.	"Swimming"	Home	
Tuesday, March 12	3:00 p.m.	Varsity Tennis	Home	
	3:00 p.m.	JV Tennis	Away	
Wednesday, March 13	3:00 p.m.	Baseball	Away	

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