

Ira, you just sit on top
of the masthead.

The CALIFORNIA Tech

The staff puts out the
paper under you.

Volume LXXI

Pasadena, California, Thursday, October 2, 1969

Number 2



FROSH CAMP - Upper left, "Once more with soul;" Lower left, "Let the pearls of wisdom flow;" Upper right, "E=mc**2 and I love you;" Lower right, upperclass enthusiasm — photos by Ctein

Frosh Super—Orgy Rocks Camp Radford

by Phil Neches

Frosh camp must be seen to be believed, and is seldom believed when seen. The busses left an hour late, which must be expected when any expedition requiring concise timing occurs here.

The first order of business at frosh camp consists of welcoming the new class. This process required three speeches in the afternoon and, for the piece de resistance, Dr. Brown materialized the first evening to convey words of wisdom to the incoming class.

Friday morning. The threatened seven a.m. performance of the Ride of the Valkeries failed to materialize, however, a comprehensive spiel on the honor system more than made up for it. Discussion sections followed in which the upper classmen introduced frosh to

such distinctively Techish institutions as door pennying, free-wheeling, the B&G pruning and raking quartet, DEI, FEIF, steam tunnels, and other things that go bump in the night.

Friday night witnessed the climax(?) of frosh camp as the Grand Amalgamated Talent Show (and Other Things) descended upon Camp Radford. Skits included "The Making of a Physics Troll, 1969," "How to Seduce without Really Trying," and "If... (or, Ph1a next year, or, you must be from the incubator — where all the chicks are)." We still wonder whether Senator Pastore would let Tim and Connie finish their act on television.

Saturday morning, Dr. Humphrey proved, in his inimitable way, that the supposed?u classic works in thin magnetic films were all wet. Lunch followed. Finally, voices worn thin by continuous bull sessions and physiologies somewhat unbalanced by prolonged exposure to an m-f ratio of 300-7, the frosh boarded those ever-present busses to return to Pasadena.

It was great while it lasted, if for no other reason than it provided a final respite from Pasadena's most prized possession: smog.

Admittedly Sneaky

Interviewers Snowed, Applicants Left in Cold

by Ed Schroeder

Well, applicant, there you are sitting in your high school's guidance office, wearing a suit for maybe the first time all year, waiting for the brain from Caltech to interview you. Chances are that right then you weren't worrying about what he was thinking, other than to hope that you'd guessed right about what he was going to ask you. Perhaps you've wondered since then, however. Anyway, even if you haven't, here is installment two on Admissions Procedure: The Interview.

The routine grunge of the interviewing process is greater than many non-committee members realize. Southern California around late March can be damned hot, and last year it was. Mr. Newton and I, for scheduling reasons of our own, had to do virtually all of our interviewing in term break week, and carrying ourselves around to all the schools in the San Fernando Valley that we went to became a real drag by the end of the week. In one day we had to hit five schools, and often we had only fifteen minutes to get from one

location to the start of an interview somewhere else.

Big Brother Is Reading

Of course, transporting our bodes was only the physical problem of readiness for an interview. Being mentally ready necessitated a thorough familiarization with the file on each student. Any student who was interviewed had passed the first hurdle toward gaining admission, although his mathematical chances were still less than fifty-fifty. Therefore I tried to treat each applicant as one with a good chance to be admitted, but not a certain shot, so that I'd pay attention to each interview instead of taking acceptance or rejection for granted. I was unable to maintain this delusion for very long, as certain individuals were obviously either certain accepts or certain rejects. My lack of quantitative knowledge of the whereabouts of the 'cut-off line' where admission ceases and rejection begins helped to keep me honest. Anyway, the cut-off line here does not exist, being at best a broad band.

What I did look for in reviewing an application before interview was not so much good grades and board scores as indications of activities or outside work or anything of a generally interesting nature. Grades and scores are very important in admission, but if they were acceptable, then the interview could not add more knowledge on them, while it could add other knowledge to our total file. Of course, unacceptable or poor scores or grades are often the source of a question or two. One such question I used was, "Do you think that this performance is a true indication of your ability in this field?" Say No and you may sound as if you're alibiing, say Yes and you may be waving your admission chances goodbye. (See how clever we are, frosh?)

Newton's Laws

Working on the highly tenable theory that most applicants probably pre-plan answers, or questions, designed to make them look good, Mr. Newton would frequently ask an opening question designed to throw the applicant off balance. This was

Political Scientist, Activist, Actor to Head APP Forum

The third in the series of open forums, to be held at the Inner City Theatre, 1615 W. Washington Blvd., Monday, September 29, at 8:30 p.m., will deal with The Arts, Politics, and Propaganda.

Roscoe Lee Browne, who has moderated the last two series so successfully, will again chair the Agit-Prop forum. Mr. Browne delighted audiences at the Inner City last April 27 with a special performance of the production "Behind the Broken Word," an unforgettable evening of prose and poetry. Mr. Browne is an adept and amusing moderator who may have much to say himself on the subjects.

Panelists Come

The panelists will consist of Dr. Joseph Nyomarkay, chairman of the political science department at USC; Lupe Saadrea, director of El Teatro Chicano; Harvey Perr, playwright and drama critic; Warren Furatani, founder of the San Mateo Guerrilla Theatre and a student activist; Ed Feldman, attorney, member, and past president of the L. A. City Board of municipal art; and an actor from the movie industry.

The public and press are invited. Please call 735-1621 for further information.

Contributions For Barron's Revision Gratefully Accepted

The California Tech has received a letter from Barron's Educational Series, Inc., the people who do the college studies. They are in the process of revising their profile on Caltech. The letter says, in part: "Much of our information for the revision will come from the Admissions and Public Information Offices. However, the purpose of the profiles series is to provide the prospective student with information and insights that administrative offices can't and/or won't supply and to help him sort through admissions literature by discussing shortcomings as well as virtues, student opinion as well as administrative opinion." Contributions are being accepted at the Tech office.

Dinner and Show to Cap Bizarre Prexy Inauguration

Nine months ago, Harold Brown assumed the role of President of the Institute. On October 30, he will be formally inaugurated in the office. On that day, the campus will be inundated with alumni, parents and random celebrities. Student hosts, hopefully coordinated by Bill Bradley and Erik Jensen, will conduct tours, help control traffic, and pretty much keep things in order, while the faculty and guests are partaking in the Athenaeum.

The Inauguration exercises will begin at 10:30 a.m. on the Beckman Mall. Classes will be cancelled so students may attend. Afterwards, the faculty and trustees are involved in a joint luncheon — cocktail party at the Athenaeum honoring Dr. Brown.

Student Takeover

At 6:00 p.m., following recent trends in university life, the students will take over the campus. 900 Techers and dates (and those faculty and trustees able to make it all the way from the Athenaeum to the Firestone-Winnett Plaza) will eat dinner by candlelight to the music of strolling musicians. The Twilight Buffet should be one of the snowier events of first term. Tickets for the evening's festivities will be available at Beckman Auditorium and through your House Social Chairmen.

At 8:30 p.m. the frosting will be put on the cake. In response to a massive -uh- write-in vote by the student body in a poll last spring, we were able to get *Harpers Bizarre* for our Inauguration Concert.

Munger, Davidson present African Studies Program

A course on African history is being featured as part of the curriculum this year. The class meets Mondays from 4 to 6 p.m. and will include lectures by Dr. Edwin Munger, Dr. Thayer Scudder, Dr. Bates, and Dr. Davidson.

The course is also expected to include talks by visiting African or black American lecturers, or by lecturers from other colleges in the area. It is hoped that Dr. Sklar of UCLA or Dr. Card of UC Riverside will find time to talk to the class.

Topics to be covered include an extensive background to West African history, black African culture the slave trade and its effect on West Africa, and present day African politics.

Come And Get It

On Saturday, October 4, at 8:30 p.m. five thousand luscious horny coeds will invade Tech at Winnett Center. THE



ANSWER will be playing. Come and do some playing yourself. Silent flicks and stuff to eat will be there too.

Please Turn to page four.

The Lewd One

Even Peanut Butter Now Illegal

by Dave Lewin

In their search for kicks, the teenagers of today are constantly trying new materials as a source of 'highs'. First it was marijuana, then bananas, then LSD, and now—peanut butter! According to a medical authority quoted by the *Philadelphia Evening Bulletin* last month, cases of students "shooting up"—injecting with a hypodermic needle—peanut butter have been reported.

This new craze has stripped the stores of peanuts in any form. Go to any food store and see for yourself the rows of empty shelves which once held pints of "Skippy" peanut butter and cans of roasted, salted peanuts. Now peanut butter is only available from 'pushers', who often mix in jelly to dilute it and give them a higher margin of profit. These unscrupulous characters sell this mixture in various sizes known as 'jars'. Sometimes an unsuspecting peanut addict will buy a 'jar' of uncut peanut butter, and use the same amount of this stronger stuff. This often causes a 'bad trip' or 'upset stomach'.

Crunch Style Is A Bummer,

The injection technique is difficult, as getting the peanut butter through the needle is not easy, nor is loading the hypodermic in the first place. Because of this, addicts can be identified by their dilated pupils, the

needle marks on their arms, and their overdeveloped finger muscles. Recently the Federal government has stepped in to stem the traffic in this dangerous substance. *Operation Interlope*, conducted by the Justice Department, has helped nip this illegal traffic in the bud through the use of bloodhounds trained to sniff out peanut butter and thorough searches at the Mexican border. The Mexican government is cooperating with our own by burning the fields of unscrupulous farmers who are raising illegal crops of peanuts.

The effects of peanut butter are not to be laughed at. It is highly addictive, and has captured the minds of millions of our youth. Use of peanut butter causes one to experience a feeling of fullness, causing users to lose interest in everything including eating. This leads to vitamin deficiency among addicts and can also leave sticky lumps on the roof of the user's mouth. Some medical researchers have evidence that peanut butter can cause chromosome damage when injected into rat fetuses, especially in the presence of ionizing radiation.

Remember: If a stranger tries to sell you a "jar" of peanut butter, report him immediately to your local police. You may save many young lives from ruin.

—*—

Uses Rock and Classic Mix

N.Y. Rock Melds Two Modes

by James Henry

THE NEW YORK ROCK AND ROLL ENSEMBLE: *The New York Rock and Roll Ensemble, Atco SD33-240*

Faithful Friends . . . Atco SD33-94

The New York Rock and Roll Ensemble is one of the most talked and written about new groups today. Their success in this regard is a result of their very clear merging of rock and classical music. The group itself is a merger. Three members are from Juilliard—Marty Fulterman, Michael Kamen, and Dorian Rudnytsky. The other two are self-taught rock musicians—Brian Corrigan and Cliff Nivison. The dichotomy is equally clear in their music. They do some straight classical trios, some straight rock, and some blends of the two. The clarity of the "serious" background of the musicians and their music has made the Ensemble acceptable in the "serious" music circles. Classical reviewers given something different to work with have really gone to town with their analysis. While this does serve the useful function of introducing rock to classicists (with *Switched on Bach* they are becoming absolutely broadened!), it tends to obscure the fact that this is a serious rock band and that the use of classical material in rock is not new. Procol Harum has used classical themes but has assimilated them a bit more thoroughly. One can even find a classical root in the organ work of the Iron Butterfly.

So just what is the New York Rock and Roll Ensemble besides a nice divider between your Rock and Classical records? Well, it's good music whatever it is. On their first album, *New York Rock and Roll Ensemble*, the group was not so self-conscious about its dual image and the music is more casual in its mixture. There is only one pure classical piece, "Trio Sonata No. 1 in C Major" by Bach, and even this is followed by a smooth transition into



MARNI NIXON taking pleasant orders from her director, Alan Bergmann, getting ready for the Fall series opening in Beckman Auditorium Friday and Saturday, October 3 and 4, at 8:30 p.m. Leonard Bernstein's one-act opera, "Trouble in Tahiti" is billed with "Kurt Weill - A Rehearsal." Specially priced tickets are available to Tech-men. Call 1653 on campus for tickets information.

"She's Gone." The remaining cuts, also works by the group, smoothly blend the backgrounds. In the second album the group has more forcefully put across the different styles which they encompass. They have two classical pieces, "Trio Sonata

No. 2 in G Major" by Bach and "Aria" by Morley, and one piece by Jimi Hendrix, "Wait Until Tomorrow." The remaining numbers are by the group except for "Brandenburg" which is credited "by Johann Sebastian Bach, Michael Kamen, Brian Corrigan & Martin Fulterman."

This last piece was commissioned by Leonard Bernstein for his Youth Concert series. The piece capsulizes the work of the Ensemble. The first part is a re-orchestrated version of the fifth Brandenburg Concerto. The second part is a mixture with vocals and a hint of drums. Finally in the third part the drums and rock guitar take command and repeat the theme in an almost mocking fashion.

The New York Rock and Roll Ensemble is out to have fun with its music no matter what it's called, and that's what music's all about, isn't it?

"Fourth?"

by Robert Geller

Today's hand demonstrates that good slam bidding is not enough—it is also important to make the slams you bid. In reaching the excellent six club contract, North-South were helped by the disciplined scientific bidding system they played. North's raise to two clubs was an inverted minor suit raise, showing that she had at least ten points in support of clubs. Two clubs was forcing to at least three clubs. After South rebid two diamonds, North knew that his partner had at least four diamonds and five clubs, since with only four cards in each minor suit South would open one diamond. North's two spade bid in the modern style did not promise a spade control (Nowadays it is actually *deceptive* to cue-bid the opponent's suit with, of all things, first-round control.) but rather asked her partner to bid notrump with a spade stopper. **Bigger and Better**

South was not very anxious to bid notrump on the basis of his singleton spade, since three notrump was hardly likely to be the safest game contract. He could however visualize a slam if North held the right cards. His three spade cue-bid did show control of spades and an interest in slam. After North cue-bid her ace of diamonds, South showed his heart control. At this point North knew that the small slam was an excellent gamble and confidently bid six clubs, ending the auction.

The Play's the Thing

In playing the hand South violated one of the most basic principles of card play technique in rubber bridge by jeopardizing his contract for the sake of overtricks. The mathematics of the scoring make such play a very poor gamble, since it is hardly prudent to risk a sure fourteen hundred points for the sake of a mere twenty. Even in a match-point pair event declared should play safe for this contract, since it is unlikely that very many other pairs will reach the slam.

Wherein to Catch the Conscience

Alas, declarer, not being fortunate enough to read the bridge column of *The California Tech*, decided to try to win all thirteen tricks. North won the opening lead of the queen of hearts and led a club to the ace. When East showed out, South simultaneously lost his slam and his partner. South could have insured his contract by winning the heart lead in his hand and finessing the ten of clubs. If the finesse lost, South would not have lost any more tricks, since trumps would have split. As South learned, much to his sorrow, it does not pay to go down in cold slams—especially when your partner is also your wife.

North
SA
HA9
DJ1043
CA108642

West	East
S1073	SKQ862
HQJ108	H6542
DQ87	D9652
CKJ3	C---

South
SJ954
HK73
DAK
CQ975

North-South Vulnerable
The Bidding:

North	East	South	West
1C	1S	2C	Pass
2D	Pass	2S	Pass
3S	Pass	4D	Pass
4H	Pass	6C	All Pass

Opening Lead — Queen of Hearts



Notices

NUMISMATIC SOCIETY MEETING

OCTOBER 15
The Caltech-JPL Numismatic Society will hold its first meeting Wednesday, October 15, at 7:30 p.m. in Room 168 of Church Laboratory. Walt Fritzsche and Ed Tarantino of the Foothill Coin Shop will be speaking of their recent tour through Europe, using slides and exhibits. Refreshments will be served.

PROTEST OPPRESSION

Protest Oppression of Soviet Jews at a rally at the Fairfax High School field on Sun., October 12 starting at 1 p.m. Address is Fairfax and Melrose in L.A. Hear Elie Wiesel and Shlomo Carlebach. For more information call (on campus) Roger Goodman at ext. 2170 or 449-9631 or else call 663-8484, ext. 238.

ELECTRIC CAR

The Caltech ASME will be bringing an electrically operated Karmann Ghia on campus, October 8, 4p.m. The owner, Dr. Hugo A. Myers of IBM, Westlake, will give a talk and show a movie. Educational. Watch for further details.

MASS ON CAMPUS

Newman Club sponsors a Folk Mass for Catholics on campus the second and fourth Sunday of each month, 7:00 P.M., in the Y-Lounge, beginning Oct. 12.

NOTICES

If you wish to place a notice in the TECH fill in the notice form available outside the TECH office in Winnett. Deadline for notices is 6 p.m. Saturday.

JAUNTY (Low-Pollution) JALOPIES

Caltech has been challenged to participate in a Cross Country Race for Low Pollution Cars scheduled to take place next summer. All students, staff, or faculty interested in participating in planning, design, and construction are invited to attend an organizational meetin, Tuesday, October 7, 3:30 p.m., Room 210 Thomas or contact J.L. Shapiro, Ext. 1228.

THE MUSEUM

103 SO. FAIR OAKS PASADENA



THE MUSEUM is an international folk dance cafe in Pasadena that encourages the pleasures of ethnic dance and music. The most esoteric requests can be filled, while the more common joys are sensitively provided for: meeting friends, playing chess or backgammon in the patio, or simply mending frayed nerve ends over a cup of coffee. The mood is casual, the people are warm and enthusiastic.

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The CALIFORNIA Tech

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Outclassed Dunkers Fight For Tie, Lose 6-3 to Cal State

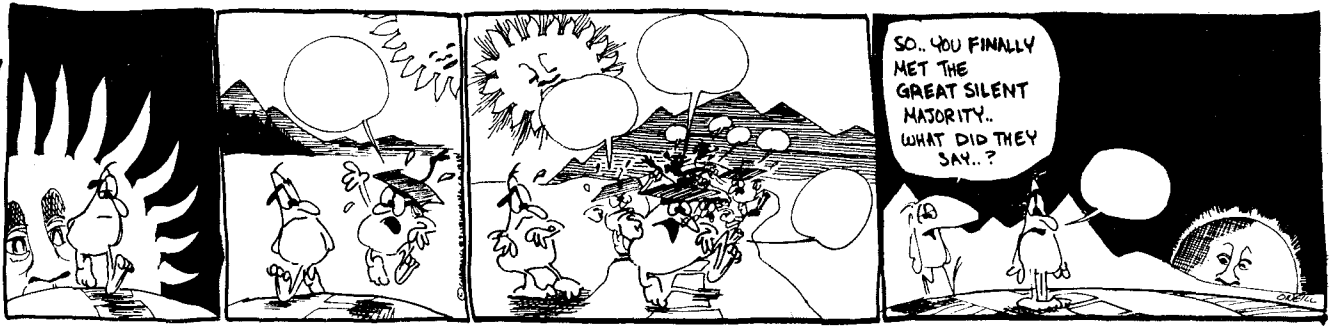
by Mike Stefanko

The water polo team won a moral victory last Wednesday as they were downed by Cal State Fullerton, 6-3. Cal State was bigger, more experienced, and had the benefit of an extra two weeks of practice. This combined with the lack of reserves on the Tech team led to many evil foreboding.

However, Tech missed victory by inches, the amount of a missed penalty throw (free throw at the goal). At the end of regulation play the score was deadlocked at 3-3. The power of Larry Watkins, the speed of Steve Sheffield and the stunning defense of Mabry Tyson and Ken Hansen brought about the tie.

But Tech was tired and in foul trouble, so a gamble on a player switch was attempted. Fullerton was able to capitalize upon this and forged ahead.

Dan O'Neill
D
BODKINS



portrait of the editor as an older boy.

Good Cheer Coming to Tech Games

Jonathan Post

Football fans and other red blooded Americans will get an extra treat at Saturday's football game and at the bonfire preceding it. The treat will be in the form of six young ladies, the new Caltech cheerleaders.

Mary Pat Scanlon and Mary Sue Cooper, both students at PCC, each have two years experience at cheerleading. Sharon Anderson also has two years experience. Patty Cullen, a student at PCC, and Slawna Scanlon, a student at Sacred Heart High School, each have been cheerleaders for one year. Linnea Newton, another PCC girl, completes the group.

Don't miss a chance to help these new cheerleaders at the Friday night bonfire and the football game on Saturday at 1:30 p.m.

POSTSCRIPTS

Postiche: Jokes of the weak

d.t.s - what alcoholic calculus students get
screw - twisted wedge
showering - a tradition for drips who have to come clean or are all washed up. While some think it all wet for dampening their spirits, it simply whets the appetite of others. There's something fishy here, sea? Some frosh don't lade it, but others become virtual shower heads; thus, the tradition is rather fluid. Moist of us can't wet for a showering; the rest usually aqueous.

wheels - often spoken of, they're round.

battery - an electrifying charge. If you conduct yourself negatively, you'll be put in a dry cell. Try to develop a capacity for inductive reasoning, and don't generate resistance. Wire you reading this? It's shocking, I'm positive.

grass - To make a hash of this definition, when it all goes up in smoke, your lungs go to pot. I've blown it; weed burn this key stuff, but in this joint if you pipe down, they clamp a lid on you.

laser - To shed light on this coherently, don't get excited, or you'll make wave.

organ - Stop! Note this: when keyed up, tone down. See sharp, or you'll be flat, which is natural.

Also-Rans Vie for Top Spot

The cross country team's best runner of last year, Lane Mason, was lost to graduation, but Coach Bert La Brucherie has four returning lettermen to take his place in 1969. After shifting around between second and fifth best on the team last year Tim Tardiff, Ratchford Higgins, Martin Smith and David Hermeyer will be fighting for the distinction of being

number one this season. These four might feel some pressure, however, from the many frosh who comprise the rest of the team. Freshmen Gary Pope and David Evans in particular are labeled as outstanding prospects by their coach. Mr. La Brucherie rates his team good and with a lot of men of the same or nearly the same caliber.

NOTICE

Under the new bill which is being considered by Governor Reagan, stating that Topless - Semi Nudity - Complete Nudity entertainment will be left up to the adult people of the community, The HI LIFE (1758 E. Colorado) is now conducting a poll to find out what the adult people of Pasadena want to see as entertainment.

We would like you to express your opinion by voting at our Private Ballot Box at the Hi Life. Then we will be able to give you the type of entertainment you want without offending anyone.

All Three Types of Entertainment are being shown daily to help you decide the type of entertainment you want, thank you.

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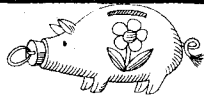
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(The Hi Life regrets any inconvenience caused Techers this past weekend. The special passes had not yet arrived and our new doorman had not been informed of the above policy.)

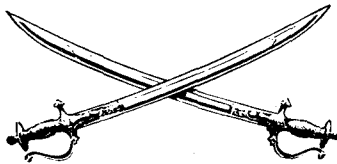


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Immaculate Heart Piano Trio to Play Dabney October 12

On Sunday, October 12, the Immaculate Heart Piano Trio will open the Twentieth Season of the traditional Dabney Lounge concerts on the Caltech campus.

The Immaculate Heart Trio, comprised of Mary Ann Ringgold (violin), Mary Louise Zeyen (cello) and Mary Mark Zeyen (piano) will perform Trio No. 5 in G major, K. 564 by Mozart, the Trio (1938) by Piston, and Trio No. 7 in B flat Op. 97 by Beethoven.

Other chamber music ensembles scheduled to perform include the Duo Harpists (November 23), the Stafford Trio (December 7), the

Lou Maury Ensemble (January 11), the Valley String Quartet (January 25), the Shanley Virtuosi (February 15), Young Artists Quintet (March 1), Sonata Recital (March 8), and Festival Players of California (April 5).

All concerts begin at 8:15 p.m. The Lounge is located in Dabney Hall of the Humanities and Social Sciences on the Caltech campus on San Pasqual opposite Beckman Auditorium in Pasadena. These concerts are free and the public is cordially invited to attend.

For additional information, call 793-7043.

**G&C Rules!
Join The
TECH Staff**

Techniques Snow Applicants—Often Unintentionally

Continued from page one. designed to break down any shell the applicant might have constructed to hide behind, so that we'd have a better chance of seeing the 'real him.' This purpose can also be accomplished by asking unanswerable questions ("We've come here with half an hour in which to evaluate your whole life. What do you want us to know and remember about you?").

In general, however, interviewers try to be the opposite of sadistic (with a few well-remembered exceptions, whom I shall not name). Most of us are really trying to get the best people we can for Tech, and we're delighted to give you every opportunity to qualify yourself. Anyway, finding a neat person is about the only reward for being on the committee.

A Use for Teachers

Talking to teachers was of some use. Teachers tend to build up Tech applicants to be better than they really are (yes, they do) but generally feel no impulse to act abnormally before interviewers, although several were snowed by us. ("Oh, you're the people from *Caltech*!") Therefore it was generally easier to evaluate the teachers than the students, which can be made to shed some light on the students. Furthermore, often we could find a teacher who had had other applicants in previous years, who could make comparisons and give some continuity to our evaluation process. At least at schools which send us frequent applicants, such as many Valley schools, the one question inevitably asked of teachers is, "How do you rate this guy compared to

this other guy from n years ago?"

Comparisons are surprisingly important. The sheet of information on the top of the file for each school we went to was the performance record of all applicants from that school in roughly the last decade, including, for each applicant: college boards, result of application, academic record since coming here, if admitted, and admit rank (until a few years ago the Committee made an admittedly hopeless effort to rank all applicants quantitatively as well as qualitatively, from 1 through whatever, in order of desirability. Reading these numbers for the people here I knew whose names turned up on my performance sheets was one of my illicit pleasures). Subsequent performances of admittees has an effect on individuals who were under the same preparatory conditions. So all you upperclassmen who flunk out are giving your school a black eye. Shame, isn't it?

After getting the comparisons of those teachers we could see who could give them, we would frequently discount their evaluations as being overly optimistic. Evaluations of the dependability of key teachers, which we sneakily also keep, help us to determine whom to believe.

Sometimes we were given credit for more subtlety than we really deserved. A few weeks after interviews, one of my friends here told me that an acquaintance of his, whom we had interviewed, had expressed puzzlement over our methods. It seemed we had asked this applicant what teachers we should see, and had then seen others instead, and the applicant wondered if we had done that deliberately. Actually, we hadn't. We didn't think of it.

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Friday, October 10
The Modern Jazz Quartet and the Los Angeles String Quartet perform together in their Southern California debut. Works by MJQ's John Lewis, Bartok and Schuller will be played. Beckman Auditorium, Caltech, Pasadena. 8:30 p.m. 793-7043.

MUSIC: CLASSICAL

Sunday, October 12.
The Immaculate Heart Piano Trio: Mary Ann Ringgold (violin), Mary Louise Zeyen (cello), and Mary Mark Zeyen (piano) will perform music by Mozart, Piston, and Beethoven. Dabney Hall of the Humanities, Caltech, Pasadena. 8:15 p.m. Free.

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