One Big Family

by Greg Simay

Aristotle once remarked, "there is no genius without madness." Lecturing before a large Beckman audience last Monday evening, Professor William A. Fowler thoroughly vindicated the Greek sage. We're still not certain what makes Caltech tick, but at least we'll think twice before using it to set our watches.

Nancy explained that some psychologists blame a child's mental illness not only on his parents and his siblings, but also on his more distant relations and even society itself. Curiously enough, she then noted, "Caltech can be treated as a community of fond relations." Before analyzing the Caltech family, however, Nancy talked about families in general, healthy and unhealthy.

Healthy families enjoy well-defined leadership and honest, open communication. Father is usually the task leader, setting family goals; and mother is usually the emotional leader, soothing hurt egos and similar wounds. In recent times, however, each parent is beginning to share further traditional role with the other. Healthy families can also successfully adapt to any changes they encounter, like moving to an unfamiliar locale. Children of these families are consequently likely to become healthy adults.

Unhealthy families are battlefields. Leadership is divided, communication is confused, and danger is resisted. Daughters are especially likely to become mentally disturbed in families where Mother and Father are continuously fighting each other and trying to poison the child against each other. If Mother should succeed in winning all the leadership from a resentful Father, then her son becomes the likely target for mental illness.

Many disturbed families must be a disturbed member, usually their "target child." As soon as therapy begins to improve the target child, another family member begins to imitate the child's former disturbed behavior. "Therefore," Dr. Braskel explains, "When Mom and Dad say to us, 'Please Doc, something is wrong with John, is it driving us all crazy? Fix him!'", we realize he is actually the family member crying loudest for help. So we assess the entire family. I have not yet been asked to intervene in the Caltech family.

Trying to understand Caltech after her thumbnail sketch of the family is rather like trying to work physics problems after reading Feynman, Vol. 1: The explorations are hard enough, but how do you handle the weird cases? Nevertheless the audience was willing to join Nancy in making a brave stab at fathoming the Caltech family.

Uncle B&G

"Children" in the Caltech family are the undergraduate and graduate students; "parents" are faculty, administrators and staff (B&G a parent?). Thus, Nancy herself is a "parent" and, like any parent, always anxious to continue on page three.

William A. Fowler, Institute Professor of Physics here at Tech, has taken office as Vice President of the American Physical Society.

Fowler, who received his PhD from Caltech in 1936, is involved in research on nuclear forces and reaction rates, nuclear spectroscopy, the structure of light nuclei, thermonuclear sources of stellar energy, the synthesis of chemical elements in stars and supernovae, and the study of general relativistic effects in quasar and pulsar models.

Fowler was twice a Guggenheim Fellow at the University of California at Berkeley, and a fellow of the Royal Academy of Sciences, and is a fellow of the Royal Astronomical Society.

HAIL TO THE CHIEF! ASCIT President-elect Jim Backus won by a narrow margin in yesterday's elections.

Backus Beats Beatty

The results of Thursday's ASCIT elections are in, Jim Backus of Dabney has been elected by five votes over the determined efforts of Richard Beatty.

In another action Thursday, Eric Kaler was elected ASCIT Secretary, and Chen Sun was elected ASCIT Treasurer.

Proposition 1-75 passed by an overwhelming majority. Only one ASCIT office remains to be filled: that of Director for Social Activities. Three candidates have been nominated so far; the election will take place soon.

Hockey Pucks Foes

We did it, goddammit. We won, We won the whole thing. Twelve wins no losses gave Caltech the Southern California Hockey title. The Caltech Hockey team defeated both Cal State Northridge and UCLA on Sunday and Tuesday respectively to clinch the title. "This is the area we call imagination. It is called the twilight zone," said Coach Doc Warden who was barely able to comprehend the accomplishment. Coach Warden believes the team was infested by an extraterrestrial fungus which derived its nourishment from the frustration of its opponents. But it is not so. We won without the help of outsiders. (Although they offered, to be sure.)

An extraordinary number of Caltech fans witnessed this achievement. "The fans did it," before one Caltech fan, "in the course of human events has so much been tried by so many, to so few." Another fan remarked "Who cares?" A third remarked "This brand looks deeper and richer, but it tastes worse."

We beat CSU 7-1, and UCLA 3-2, and this was sufficient. Having become Southern State Champs, the team is eligible to play for the entire South-west championship against Denver, Stanford and Arizona. These games will take place in Boulder Colorado between March 20th-28th. If we win this we will be eligible to compete in the North American Collegiate playoffs in April.

On our Sunday night at 11:00 p.m., however, we will have to play a preliminary game against the Chicoutimi Montreal Rocket league. The game will be played at the Civic Arena. Be there or get yeter.

Campus Classic Concert

Shmuckputz Wants Out

Anyone interested in becoming the 1975-76 GHC President should let his house president know. Interviews will be early next term.

Darn the Photos!

There will probably be a fashion show of space-age garb in the Page House Dining Room, this Saturday night at 7:30 p.m., continued on page three.

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The Institute is very happy to be able to announce the resumption of the Arnold O. Beckman intern program for the summer term of 1975. This internship, supported by friends of Dr. Beckman, pays a stipend of $100 per week for a period of up to 12 weeks plus travel expenses and is intended to give selected Interns the opportunity to spend the summer working in the laboratory of the President or other choice, local, state or national, and also appearing the process of government from the inside. Applications for the 1975 internship must be submitted to the Director of Student Relations, room 210 Throop, not later than March 12. Each application should include a brief statement—one or two pages—of the applicant's personal thoughts, what they will spend the summer and of the benefits he or she expects to derive from the experience.

—Lyman Boman

FORUM

Beckman Internships Are Here

The California Institute of Technology, Pasadena, CA 91125. Telephone: 795-6811.© COLLEGE MEDIA SERVICES-BOX 9411-BERKELEY, CA.94709

Starry, Starry, Night

Cosmic Light Orchestra

by Alan Silverstein

"Other than appearance, the thing that outwardly most disinguishes man from other creatures is his technology... and of the corporation.

Frankly Speaking

by Phil Frank

A large amount of electricity, controlled optical gear, and a laser unit creates a unique form of multisensory entertainment as moving it is overwhelming.

About ten different musical and visual effects were being performed during the performance, last a little more than an hour. Each has its own type of material and effect, and thought were well matched to the music, and each is preceded to what will be presented next. The themes ranged from "Primordial Horizon," "Expanding Universe," "For All Mankind" and "Eternal Youth." Allowing for artistic license, was what we saw and heard.

One of the songs, "Lost Horizon," which hadn't seen the show are curious about what is going on. The music is mostly popular, for what will be presented next. The themes ranged from "Primordial Horizon," "Expanding Universe," "For All Mankind" and "Eternal Youth." Allowing for artistic license, was what we saw and heard.

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LASERIUM

Continued from Page Two

Last week we mentioned that the Laserium at Griffith Observatory is a tremendous place to visit, and we hope that you have already had a chance to enjoy it. However, most of the images are better seen with the Laserium.

One of these "frosh" was actually a real live a head (bodies free). And, a note: Griffith Planetarium is a nice place to go with your family. It's not very crowded, and you can see the stars as a backdrop to the show.

News Briefs

Continued from Page One

The Caltech community is seen as a highly prestigious group of the intellectual elite—it says so right here in the catalog. But it's no help in getting a date.

To a visual salute to her demented mud.

Over eight minutes of this visual salute to her demented mud.

Dinner with working exhibits, and it's no help in getting a date.

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THE CALIFORNIA TECH

PICKFIES

You have two liters of any kind of beer or hard liquor in a paper bag, swing over here and scream a little

Family

Continued from Page One

There is a show home devoted to her guests. Unlike many home movies, though, Nancy's slides were thoroughly enjoyable. They relied more on their zany antics and the joyful chatter of the '80s—Don't do anything dumb, avoid human error.

Professors reinforce their attitude through their high expectations. "We have too many fathers (goal setters) and not enough mothers (comforters). We are supposed to be the elite in scientific research."

Of course, this exclusive reliance on the intellectual causes problems. Students accustomed to easy success suddenly find themselves struggling with courses and seemingly outclassed by many of their peers. And students who wish to leave the world of science and engineering are made to feel like pariahs, people who couldn't solve the real disciplines. "You shall not let them thoughts stray to the arts and the humanities."

Nancy hopes better communication between students and faculty will relieve some of these student pressures. Theoretically, there are no communication barriers but several practical barriers exist. Students who feel intimidated by the Caltech environment may be too afraid to approach their professors, for reasons on the other hand, may feel threatened by students who may be advancing beyond their level. But the real problem is that "we don't teach professors how to teach." Thus, a professor could be unwillingly confusing or boring his students, no doubt increasing the anxieties of those who feel compelled to understand everything the first time.

Dr. Beakel admitted she was herself guilty of boring her class... But that was before she taught one of her psychology courses. She had "forgotten that this same course in my first year taught me to be a grad student."

Stand Up and Be Candid

Nancy urges students to be candid with professors rather than retreat into silence. "It's like the boy who, because he is angry at his parents, always forgets to take out the garbage. I'd like to know what I do to you in class that you forget to take out the garbage."

Yet the Caltech family is a very cohesive and intimate one. The Honor System works remarkably well, with a great many restrictions plaguing the student. This cohesiveness is bad only if the student uses it as a shield against the outside world.

"We're a family with a lot of strengths, but we don't live up to our own potential. We allow ourselves to be too weighted by our own image," summarized Nancy. But she can't relax a sly dig. "Maybe we wouldn't be so comfortable if they (the students) didn't do our little chores for us—like doing our research."

Caltech doesn't create the problems... Teachers have brought them with them, but it does force teachers to confront them. But this is not enough, Caltech must help in "children" to help rework these problems, not amplify them. All the zany behavior in the world won't restore a shattered self-esteem or calm a deeply rooted anxiety. As Dr. Beakel pointed out, Caltech is a parent, whether it wants the role or not. Caltech will continue to be a parent as long as its students desire to grow emotionally as well as intellectually during their stay here.

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Music by ALBERT MARRE

YUL BRYNNER in
Odyssey
A new musical
Music and Lyrics by JOAN DIENER
Book by MEL LYNCH and NORMAN IMRE
Lyrics by JOEY SULLIVAN
Directed by ALBERT MARRE

DOROTHY CHANDLER PAVILION—JULY 1 thru AUGUST 16
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NANETTE FABRAY stars in
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First presentation by the Civic Light Opera
Music by LEONARD BERNSTEIN
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DOROTHY CHANDLER PAVILION—SEPT. 2 thru OCT. 18
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Music by FREDERICK LOEWE
Book and Lyrics by LOU A. ALLEN
Directed by VICTOR SAVENIK

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(Stated area indicates cost of shows if purchased on single-show basis)

Sun perf., 7 P.M.; Indications seats unavailable.

**Midweek mats.—Wed. at Pavilion, Thurs. at Ahmanson.**

Tickets mailed approx. April 10.

Continued on Page Eight

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BOOKS

Foremost Foray, by Andre Norton, Ace Books, $1.50.

Foremost Foray is the first Andre Norton book I’ve read recently (which means written recently by Ms Norton, sort of) that I actually enjoyed. It delves into the world of applied psychonics and its possibilities, as well as questioning just how much of reality is determined by the mind. Like many Norton books, this one deals with the life of a young outcast, this one as orphan brought up by a Thieron Guild member for use in pulling off major crimes. The setting is the far future, but all this means is that there are lots of “fantastic” things running around. Most of the book deals with the heroine’s efforts to unravel the mysteries of an artifact of the ancient Foremosters of modern civilization, one which literally drags her mind back into its own past and the lives of previous owners of the gemstone.

One of the most entertaining features of this book is the use of a truly alien character, a vaguely bird-shaped teleraph named Harath, whose though processes are strange enough to be legitimately alien. Ms Norton’s aliens are sometimes people in animal costumes, but for once she succeeds.

This book vaguely ties in several others in a loose series involving the world of Korru and its people, the drugs of several centuries of interstellar wars and migrations. This is definitely the best of that series. Zandru, the heroine, is reasonably well developed as she feels herself torn between her loyalties to the feuding alien worlds that raised her and her own comprehensions of the way things really are after

continued on page eight
THE CALIFORNIA TECH

Far Out

Cygnus X-1: A Thorne in Universe

How do you go about proving the idea that invisible objects such as black holes exist in the universe? It is a painstaking task of constantly testing theory against observations and using these observations to repair the theory.

After four years of this approach, there are indications of agreement between theory and observations, report Dir. Kip Thorne, Physics professor at Caltech, and Dr. Richard H. Price, assistant professor of physics at the University of Utah. This improves chances of the discovery of black holes.

In the current "Astrophysical Journal Letters," the scientists discuss agreements between theory and observations. They also suggest further observations of the most likely candidate for a black hole, the strong x-ray source in Cygnus X-1, a double object 7,500 light years from earth. Cygnus X-1 consists of a bright star and an unseen x-ray source about one tenth as far from the star as the earth is from the sun. The star and object are gravitationally linked and orbit around a common center every 5.6 days. The dark object is one of the strongest emitters of x-rays in the sky. According to theory, black holes with companion stars are strong x-ray emitters. Thorne estimates the dark object is eight times more massive than the sun.

Astronomers have become fascinated with the idea that black holes exist and that the universe has many of them. A black hole is believed to be the remains of a large star that collapsed inward with tremendous velocity, after exhausting its nuclear fuel, and became very small (in this case an estimated 50 kilometers in diameter). Such material would become so condensed that its gravity would be too strong to allow light to radiate and would suck in all matter that came near it. Hence the name black hole.

Spectroscopic observations of Cygnus X-1 show that glowing gas is continually being pulled off the visible star toward the optically invisible object. That object, presumably the black hole, is 'visible' in x-rays. The physics of the disk of gas feeding into this hole is inferred from this information. Since 1971, when speculation began that Cygnus X-1 may contain a black hole, astronomers D. Simon, R. Rosner, and P. J. Cravens of the Institute of Astronomy, Cambridge England, and Prof. R. P. Myers and Nikolai Shakura of the Institute of Applied Mathematics, Moscow, Russia, have developed a theory describing what a black hole should look like when linked gravitationally to a visible star. Dr. Thorne and a Caltech graduate student, Don N. Page, have altered this theory to conform to general relativity, and have compared it with the observations of Cygnus X-1. Rough comparisons have been made but not detailed ones. Dr. Thorne said, because the data and theory are both poor.

"The data are poor because the x-ray signals from Cygnus X-1 fluctuate wildly, as theory tells us. But because they fluctuate so much more data before what's going on. Great changes occur in x-ray signals within fractions of a second. There aren't enough data to figure it out properly."

Theory strongly suggests, and observers agree, that the disk from which the x-rays are emitted has two regions: an inner one, 100 kilometers wide and 5 to 15 kilometers thick that is translucent to x-rays, and an outer part, 1,000 kilometers wide and only a few kilometers thick that is very opaque to x-rays. This means the inner region is much "hotter," emitting much higher energy x-rays than the outer one.

In March, 1971, Cygnus X-1 suffered a cataclysm of some kind, throwing off a pattern of x-rays. Continued on Page Eight

Black Holes?

Page Five

On page four of this rag you may notice a huge ad for the coming Civic Light Opera Season. Warning; see last week's column may notice a huge ad for the cause. Free student rush tickets will be available for the National Take a Pitzie Out Night. It's not sold out, but you may have to walk in at noon. Saturday and Sunday will see more Armchair Adventures, Australians & the Pacific, respectively, and Sunday will also see the latest free Debsy Lounge Concert, which should have an article of its own elsewhere. I'm told the flutist, Jill Shires, is ravishing to both ear and eye, which alone should make it all worthwhile. Wednes­day, April 12, there will host a lecture by Fannie Taylor, the spokesperson for the National Endowment for the Arts. She will speak on a central topic in the performing arts, the question of the subsi­dization of the arts.

A few things came to my notice this week, so let me just reel them off. I'll remind you of the Ice House in order to tell you to read the review in this issue about it (Ed. Note: It isn't there this week. See last week or next week). Some of you will remember ASCIT's productions of Gilbert & Sullivan's H.M.S. Pinafore and Pirates of Penzance, and may even have foolishly regretted the lack of G&S in the past two years. Regardless of all this trivia, take heart. On March 22, the Ossidena Symphony will present a concert version of Nie by Jurry, G&S's first work in collaboration. The program will also include Mozart's "Overture to the Marriage of Figaro" and Debsy's "Three Nocturnes," and tickets will be $6, $4, and $2.50.

We're into the final two weeks of the run of Something's afoot, the much-acclaimed mystery­ spoof musical playing at the Huntington Hartford. Tickets range in price from $8.50 to $3.50. Now what's three and a half double cheeseburgers with heavy chili worth? However, if your taste does run more to Mark Twain than Agatha Christie, God save you, wait. On April 12 (just think, 3rd TERM) Hal Holbrook will bring his one-man show, "Mark Twain Tonight," to Bridges Auditorium at the Claremont Colleges. It turns out that April 12 is National Take a Pritte Out Night. As a fresh note, the Ojai Festival will return with director Michael Tilton Thomas on May 30, and it will feature the world premier on June 1 of Woolman's new work, "Reliquary for Stra­vinsky." This commissioned piece is exactly what its title suggests-a work composed around the written fragments of an orchestral piece left unfinished by Stravinsky's death. This year's Festival promises to continue the fine tradition of many years.

-CHUCK HARECUT

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Continued on Page Eight
How Many Bricks in Olive Walk?

The Trivia Encyclopedia, by Fred L. Worth, Brooke House, $3.95. Who was Mary Anne Nicholls? How about Gutzon Borglum? Does the name Lamont Cranston send a chill up your spine? What was unusual about the battleship U.S.S. Kearsarge? What is Colonel Sanders' first name? These and thousands of other questions asking are answered in this, an overwhelming ($3.95, paperback, no less) compendium of trivial facts. The Trivia Encyclopedia attempts to cover at least lightly, trivia in all its myriad forms. There is sports trivia, movie trivia, comic book trivia, radio trivia, even Mayor La Trivia (played by Gale Gordon on the Fibber McGee and Molly radio show. Remember radio?) and other things ranging from the letter A (Scarlet) to "Zwolfte Stunde, Die" (a remake of Nosferatu which in turn was an unauthorized version of Dracula, if that helps).

This volume is an essential one no one should be without if for no other purpose than to overwhelm the enemy in a trivia fight. The sheer mass of data in the volume boggles the mind. There is, however, one fly (Vincent Price) in the ointment. The mass of data seems to have overwhelmed both the 'author' and his editor. In some places there are errors that ought to have been spotted immediately by any true triviaist. In addition, the cataloging of the material seems to have driven both of them mad. There is no other explanation for the bizarre orderings and lumpings, such as grouping Sherlock Holmes, James Bond and Doc Savage rather blithely under the heading, 'Detectives'. In order to figure out just where to find anything, one must read the entire volume, 300 pages of reasonably dense copy. However, if one is dedicated to the pursuit of trivialities, this is no hardship. After all, how else would one find out that if you subtract six from the altitude in feet of Disneyland you get the number of Germans captured by Sgt. York?

Seriously though, this is quite a reasonable volume, and the author claims to be working on a second edition, with additions and corrections. In the meantime, any of you who failed to answer the trivia questions correctly had better go look them up. In the words of Michelangelo, "Trifles make perfection and perfection is no trifle."

"The March of Trivia" rides again! — Nick Smith

Continued from Page Two

A few controversial questions were raised near the end of the hour. The faculty determines graduation requirements, including the PE requirement, and it is their privilege to establish the rules as they see fit. Funding for the PE department follows proportionately with the requirements established, as with any department.

Dr. Brown acknowledged that the Health Center is a deep problem mainly because of the small size of the student body and rising costs. But should decisions concerning the Center, and similar matters, be thrown to the students? He said the answer is, no. Essentially, questions of policy should be left to those persons in the faculty and administration qualified to and with the responsibility for answering them. Likewise, the same people have mediated the issue of a board contract between those for (mostly parents and prospective students) and against (mostly the people on it now). He pointed out, though, that most students are glad to have the contract even though they may not be satisfied with the food they're getting.

The noon discussion ran out of time before subject matter. Similar sessions with other leaders of the Institute might prove equally fruitful.

Friday, March 7, 1975

The California Tech

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The Proud Bird with the Golden Tail
Fred Fights Fiendishes
by Fred

A bright morning sun found us once again surveying the snowy hilltop where lay the ruined castle. The scene looked peaceful in the still air but there were ominous signs on the ground. Where we had walked around yesterday our footsteps were still visible but in places they had been trampled by a new set of prints. An indeterminate, but large, number of creatures with clawed feet had inspected our tracks during the night and followed them for a ways down the hill before returning to a tunnel on the east side. They appeared to be ore tracks.

Not wishing to run into such a formidable force we chose the tunnel furthest to the west and got ready to make our entrance. Once again Gimli the local dwarf and Legolas, Sterling’s elven partner, would lead. They were followed by their companions George and Sterling. Then Father John and myself, the only magician in the group, with Lloyd and Hugh following last as the rearguard. Scattered through the column were two pack mules and four local fighting men whom we had hired to come with us as added protection.

The passage ahead of us sloped gently running long and straight into the earth. Torchlight sparkled off icicles hanging from the ceiling as we moved slowly down it. The men ahead of me seemed to blend into the walls in their grey chainmail and behind me the only thing clearly visible was the golden scarf on the crest of Lloyd’s helmet. I pulled my black cloak closer around my shoulders.

We had traveled quite a distance when Gimli spotted a trapdoor in the floor ahead of him. It opened grudgingly to reveal another corridor just beneath us running perpendicular to ours. The tunnel before us still run straight and featureless into the distance so we decided to try our luck with the new one. Securing a rope we lowered Gimli down to the lower floor. He called up that the new corridor appeared to turn at both ends after about twenty feet. This sounded more interesting so we lowered down Legolas and he quickly followed by George. We were about to fix the rope to Sterling when I heard a snoresound and then a shink from Gimli.

Like a nightmare out of ancient legend, something that could only have been a quarter—half man—half bull, appeared at the left corner and then charged them. Legolas drew his sword and stepped forward to meet it and without waiting for the rope Sterling jumped down behind him. The minotaur scraped Legolas with its horns as he wheeled to take a blow at it. George put an arrow into its back and controlled a blow. The minotaur barred its path but were forced back at every blow. Seeing their chance Lloyd and Hugh descended through the trapdoor behind it and attacked suddenly. As it whirled to meet them another arrow struck it and then a rain of sword blows. Hugh carried aside its final thrust as it collapsed to the floor.

The Naming

While the rest of us descended the rope one of Lloyd’s men led the mules back to the surface (there being no way of bringing them down) and we quickly reassembled. But not quickly enough. Lloyd and Sterling were still examining the minotaur when a trio of gargoyles, drawn by the sound of fighting appeared around the corner facing Hugh and I. As Hugh drew his sword I shouted after my shoulder to Lloyd, “Golden Boy, get your ass up here,” (thus coming in an instant the name he was to go by forever afterwards) and in an instant he was past me and into the fight. Gargoyles are strong and crafty fighters and we could hardly expect to take them too easily. But luck was shining on us, Hugh and “Golden Boy” managed to get through their guard while their return blows glanced off our shields. More blood flowed, none of it ours, and the gargoyles lay dead.

We quickly followed the passage they had come down and discovered a secret door in the end wall that opened into their lair. Inside was a fourth gargoyle but this one was managed to surprise and it was overwhelmed by three of our swordsmen before coming to a blow. The room was cluttered with trash and stale food but alas, no treasure.

Sadly we retraced our steps and then started in the other direction. The corridor now twist­led through a confusing series of turns, switchbacks, and doors and finally ended in a blank wall. On the right side of the last section were two doors, and Lloyd and George went to work at opening the far one. Everyone was in this one section of corridor except for Hugh and I who were standing around the last switchback watching our rear.

I was startled to hear an unfamiliar voice chanting a magic spell. I turned around to see Father John standing with a shocked look on his face and without waiting for him to shake off his surprise dashed around the corner. The rest of the party, all nine of them, were lying on the floor in a magical sleep and a strange figure was disappearing through the doorway. Damn it, I thought to myself, drawing my dagger, and he dissipated a moment to take a jab at me with his own. My aim was true and I laid him out with two quick thrusts as Hugh came through a confusing series of doors and charged down to my end wall that opened into their lair. Inside was a fourth gargoyle but this one was managed to surprise and it was overwhelmed by three of our swordsmen before coming to a blow. The room was cluttered with trash and stale food but alas, no treasure.

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continued on Page Eight
Duel Lost

FRIDAY, MARCH 7, 1975

Runners Fall at Whittier

by Dave Sivertsen

Tech’s track team met with defeat (de feet of deudder team, yak yuk) on the road last Saturday. In a conference duel with Whittier, Whittier is better known for it’s smog and a certain alumnus (initials RMN) comprised a 440 relay team that consisted of the triple jump and long jump. Land, Hickey, Chao and Wise

were without the strength of upperclassmen, but Duane Gray took second in the half. Sivertsen took third in the mile, and second in the 440 hurdles when a runner was disqualified. Lou Testa took third in the three-mile, and the meet finished when Whittier ran against itself in the final mile relay.

Page Tables Danby

Page defeated Danby in Decathlon table Tennis Sunday by a score of 4-1. The only loss for Page was Jacob No’s defeat of David Novick in first singles 21–13 and 21–13. Kwang Chou of Page beat Jon Zinger of Danby in straight sets in seconds singles. Third singles saw Joe Fable (Pa) defeat James Kelly. Page wrapped up a victory when Ben Chun won two straight over Paul Carpenter.

The final match saw the Page doubles team of Mark Bumbarger and Pat Lam defeat the Danby team of Wesley Chalfant and Subhash Sharma to end the proceeding.

Wrestlers

by Chris Russell

The Caltech wrestling team finished its season last Friday night with 12 oz. steaks for everyone. The competition ended the week before at the NAIA District tournament. The tournament was won by Tech placed sixth.

Picking up the big points at District were Steve Vik and Tom Snyder. Vik, who lost ten pounds again, drew an unfortunate position and had to settle for a third place medal to lead the team. Snyder lost two disappointing matches to be forced into fourth place, still bringing back a medal.

At the dinner the team awards were handed out to the wrestlers. Lowman was named Most Improved, and Tom Snyder was the obvious choice for Best Rookie. The Tom Latham Outstanding Wrestler this year was shared by seniors Steve Vik and Vince Fratello.

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Harriet Schock

Kinky Friedman

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