

If you're not
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solution

The CALIFORNIA Tech

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You're part
of the
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Volume LXXIII

Pasadena, California, Thursday, May 18, 1972

Number 29

ASCIT Musical To Open Friday Close Saturday

by Philip Massey

At the cost of two terms of continuous effort, and not a few G.P.A.'s, the ASCIT musical will perform Gilbert and Sullivan's *H.M.S. Pinafore* Friday and Saturday nights, at 8:30 p.m. in Ramo.

In slight — but inaccurate — detail, the story centers about Ralph (pronounced "Rafe," if at all) Rackstraw (played by Dave Wellman), a lowly sailor who is hopelessly in love with Josephine (Wendy Wright-Dirksen), the Captain's (Steve Aley) daughter. Unfortunately for ol' Rafe, the Rt. Honourable Sir Joseph Porter, K.C.B. (King's Conniving Brother-in-Law) who is played by Bruce McLaughlin, is also in love with her, despite his advanced years.

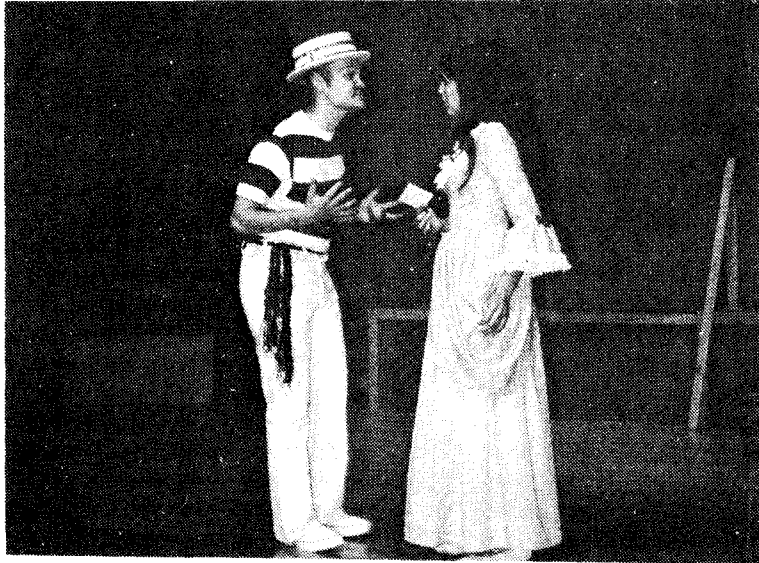
Shut Up, Simay

Dick Deadeye (Jeff Eriksen) is the token bad-guy; he contents himself with making life more difficult for those around him, including of course, Ralph/Rafe and Josephine. Mrs. Cripps, affectionately known as "Little Buttercup," (Sherryl Garcia) is a Portsmouth Bumboat Woman, which is, reportedly, nothing too unnice. It is her secret, in fact, that saves the day in the end, when it is triumphantly revealed that she was actually a baby farmer in a cabbage patch.

In A What?

In the confusion ("What's a cabbage patch got to do with it?") R/R marries Josephine, the Captain gets Buttercup, and Sir Joe is left to wander off with Hebe (Karin Kennedy), his cousin.

H.M.S. Pinafore has always gotten raving reviews. Queen Victoria couldn't restrain her enthusiasm once during a performance, rose, and stated, "We are
Continued on Page Three



Sailor Ralph Rackstraw (Dave Wellman) declares his love to his captain's daughter Josephine (Wendy Wright-Dirksen) in the Greg Simay-ASCIT production of *H.M.S. Pinafore*, premiering Friday night in Ramo. Photo by Berghorne.

Rudolph, Pohorsky Honored By Mathematicians

Caltech undergraduates Daniel Rudolph and Steven Pohorsky were honored Sunday night at a Mathematics Awards Banquet.

Rudolph, a senior mathematics major, was awarded the E. T. Bell Undergraduate Mathematics Research Prize of \$150 for his two-part paper entitled "Measure Uniformity on the Real Line" and "A Decomposition of Sets of Lebesgue Measure Zero."

Pohorsky, a freshman, received the Morgan Ward Prize of \$25 for a Diophantine problem on representing fractions as the sum of reciprocals of two integers.

These prizes are financed by funds won over the past years by the Caltech undergraduates participating in the William Lowell Putnam Competition, a national mathematics contest in which the Caltech team took first place this year.

The Mathematics Committee on Prizes judging this year's entries consisted of Professors Tom Apostol, Hershey Kisilevsky, and David Wales.

ASCIT of Hugg

BOD Abolishes

by Jim Hugg

ASCIT Secretary

Applications for the ASCIT summer job to research academic reforms will be closed Tuesday, 23 May. Apply in writing to Jim Hugg (Page). The interview committee will contact each applicant next week. The job will be awarded on or before Tuesday, 30 May.

Off-campus Techers may apply to Jim Hugg to be considered as a counselor for frosh camp. Applications must be received by 2 p.m. Tuesday, 23 May. The BOD decided to take no action against *Totem* editor, Phil Massey, in regard to the written charges presented last week.

Resolutions Updated

The BOD unanimously approved the Secretary's amendments to the Resolutions to the By-Laws after several minor changes were made. Notable was the deletion of large portions of the elections procedures which are governed by Roberts Rules of Order. Also deleted was the requirement for ballot box watchers since the Honor System

Harold Brown Speaks On Vietnamese Crisis

by Phil Neches

Caltech President Harold Brown opened a morning session of speeches on the Olive Walk last Friday in response to President Nixon's recent decision to mine Haiphong harbor and increase air attacks against North Vietnam. He gave a summary of the political and diplomatic situation surrounding the decision and a few thoughts on possible consequences of the administration's action.

The military effects of the

blockade, if any, would be slow according to Dr. Brown. The North Vietnamese have supplies for a month. While the North may slow consumption to conserve supplies, Dr. Brown doubted that this would happen soon. The North has 12 divisions in South Vietnam, "a substantial army," but over a long run, Brown did not think that a blockade would be likely to overcome the morale difference between the North and the South.

Closing the rail lines (through which supplies can arrive from China despite the mining and blockade) by air strikes will be difficult, according to Brown (Dr. Brown served as Secretary of the Air Force from 1965-68). Rail lines are hard targets to hit and fairly easy to rebuild.

President Nixon's proposal "offers North Vietnam a real opportunity for military victory." The proposal calls for an "in place" cease fire for four months, in which American forces would withdraw and prisoners would be released. The plan has a "hooker" — international supervision, which could mean "different things to each side."

Although "this gives them a good chance for a military victory in a short time" (i.e.: six months), "The North Vietnamese don't work that way," Brown said. "They have a long history of being what they think of as 'cheated' out of military victory their initial reaction (to Nixon's offer) was predictable."

On the issue of what Nixon might have in mind by his

Continued on Page Eight

See Page Six for pictures of Friday's speakers and protest march.

personal reactions to the recent developments in the Vietnam situation.

ASCIT Filing Fee

rules elections conduct.

The \$4 filing fee for ASCIT offices was abolished. Resolutions dealing with the nonexistent ASCIT Research Project (RIP) and Beckman Use Fee Committee were laid to rest along with the ASCIT Dancing Class. A liberalization of the restrictions on numbers of sports managers was made at the request of half-aths Smoody and Denker.

Apology for Teach-In

I must apologize to those who were offended by the antiwar stands of all the speakers for last Friday's Vietnam Teach-In. As a nonprofit corporation, ASCIT cannot take a stand on a political issue. It was the intent of all those who planned the day's activities to include all points of view. The organizers tried sincerely to locate speakers to defend the President's recent actions, but none were willing to speak at Tech.

In an attempt to make up for the admittedly one-sided nature of the speeches, Dr. Brown presented those points which he felt would have been made by any pro-administration speaker. We hope that the day's events in some way helped to clarify

News Briefs

Senator Hartke To Speak At Tech

U.S. Senator Vance Hartke will speak on the Olive Walk next Thursday at noon. His talk will cover a number of national issues including the Presidential race and the space shuttle. The talk is sponsored by the Caltech Y.

Sperry Wins Award For Research

Dr. Roger Sperry, Hixon Professor of Psychobiology, has been named co-recipient of the National Paraplegia Foundation's William Thomson Wakeman Research Award. The award goes to those scientists whose research is contributing to the eventual successful treatment of paraplegia, a paralysis of the lower body.

Dr. Sperry's research has concerned factors responsible for functional regeneration in the

central nervous system and he has developed concepts of chemical selectivity in nerve growth and connection.

Dr. Sperry will present a paper and receive his \$5000 award at the National Paraplegia Foundation's annual meeting in Milwaukee June 28.

Chem 6 and The Hard Stuff

Monday, May 22, marks the final Chem 6 lecture. At 4:00 in 153 Noyes, Vince Miskowski will speak on addictive drugs. He intends to cover such aspects as physiological effects and addictive vs. "high" drugs.

By way of conclusion, the Chem 6 staff wishes to thank everyone who has helped to make Chem 6 a worthwhile experiment.

Biology Tutorials List Available

Dr. W. B. Wood reports that the list of the Biology tutorials (Bi 23) to be offered next term is now available in the Biology Office, 156 Church. The tutorials are staffed by Biology faculty, postdocs and grad students. They provide an opportunity for learning through personal contact in a 1:1 or small group situation, and cover a broad range of subjects. Bi 23 may be taken for up to 6 units; grading is pass-fail.

We Just Print 'Em

Off campus upperclassmen who are interested in being frosh camp counselors next fall should contact Jim Hugg.

Continued on Page Eight

Ditch Day Soliloquy



"To be, or not to be — that is the question. Whether 'tis nobler in the mind to suffer a pain in the ass from this stupid rock, or to take arms against a sea of coke bottles, and by depositing — collect a nickle apiece for them."

Editorials

Don't Let Her Sink

This weekend Ramo Auditorium will feature the culmination of three terms' effort on the part of approximately sixty members of the Caltech community. After a three-year hiatus the ASCIT musical is alive once more, with this spring's production of *H.M.S. Pinafore*.

The planning began last November, with Ed Pontius and Greg Simay starting the ball to roll. Alley Six in Ruddock is a visual cavern of support—all but a couple of members are deeply involved—but the enthusiasm has spread to include members of all Houses, staff people, and even outside talent. The crew has had over twenty rehearsals this term, ranging from men's chorus to the current full-dress type. At this writing, the north Houses have made the production a social event, buying and subsidizing blocks of tickets.

To be a success, however, includes financial success. The musical provides an opportunity for Techers to express their talents in dramatics, vocal and orchestral music, choreography, production, and so on. The personnel come from all options; at UCLA, for example, such an event would undoubtedly be for drama, music, and stagecraft majors only. But despite the relatively large percentage of its total membership, it's unfeasible for ASCIT to foot the entire \$3000 budget. *Pinafore* will, like most productions, make it or break it at the box office.

This is where you can help. If a musical isn't your way to spend a Friday or Saturday night, fine. But a ticket will cost you at most \$1.50 (if subsidized, as little as 50 cents). Plans for a new production next year are in the conception stage, but they rest solely on the success of *Pinafore*. Do your fellow Techers a good turn: support the *H.M.S. Pinafore*!

—Gavin D. Claypool
Peter W. Beckman
Jeffrey J. Mallory

Vote Yes

Today Techers will be presented with a grotesque ballot, even by ASCIT standards. Included with the class officer election is a semi-infinite list of amendments to the corporation bylaws, nineteen in all. All of which have to be voted on separately.

With two exceptions, the changes consist mainly of deletions of phrases that no longer apply to the ASCIT operation. One proposal belatedly recognizes the fact that girls are now enrolled here and changes the generic term "men" to "corporation member." Another exception is the deletion of Article XV, which regulates the intercollegiate sport managers. The Board of Directors would like to see this section placed in the Resolutions, where it would be under their direct control. If so, the Board would remove the restrictions on the number of managers per sport, leaving it to the discretion of the athletic committee to decide.

These proposed changes are anti-bureaucratic in nature; ASCIT has enough hassles without archaic and useless bylaws holding it back. We encourage you to take the time to vote, and to vote YES on all proposed amendments.

—Gavin D. Claypool
Peter W. Beckman
Jeffrey J. Mallory

The American Way

The United States is the only country in the world where a person can watch political assassinations — live and in full color — in the privacy of his own living room.

This may strike the reader as a very cynical statement, but in many respects it is true. America has become insensate to violence. It dominates the evening news where one may watch politicians being shot, demonstrators clubbed, and "gooks" massacred. Then, when that is over, those with strong stomachs may have the dubious pleasure of watching the innumerable "entertainment" programs

that revolve around the gun, the knife, and the bludgeon. In truth, we have always been a violent society. Our freedom was won by violence, and our expansion from "sea-to-shining-sea" was insured by it. At times we have turned suicidal; the Civil War produced more casualties than any other in our history, while the racial conflicts of recent years will form a very dark chapter in future chronicles. Too often our hatreds have been based on the color of a person's skin, the nationality of his forebearers, the unusualness of his lifestyle or the unacceptability of his politics.

We have satisfied these hatreds with acts of violence that might turn the stomach of a butcher, and, God help us, they are as much a part of American life as the political conflicts that often spawn them.

At one time a capacity for violence was a survival characteristic, but that is no longer true. In this world intelligent cooperation is the only path to survival. Until the day when we become truly civilized and replace violence with tolerance, we will continue to have repeats of Monday's performance.

—Peter W. Beckman
Gavin D. Claypool
Jeffrey J. Mallory

Beware!

THE RIVET ARE COMING! !ONIWOQ ERV LEAIR EHL
(A PUBLIC SERVICE ANNOUNCEMENT OF the california tech)

The Third Wing

Racism in America

by Nick Smith
"RACISM: a noun meaning the assumption of inherent racial superiority or the purity and superiority of certain races, and consequent discrimination against other races; also, any doctrine or program of racial domination and discrimination based on such an assumption. Also, less specifically, race hatred and discrimination."

— Webster's Collegiate
"We have met the enemy and he is us."

— Pogo.

In recent weeks, the columns of this newspaper have been filled with discussions and charges of racial bias and persecution, both real and imaginary. A reader berates an editor for referring to a gang of thugs in a manner which mentioned their ethnic group. An argument appears over whether the Institute should be patted on the back for

apparently admitting an increased number of minority students from some groups. Another argument over the persecution of Jews and other groups, and a bit of babble about the groupings themselves.

Passed over in the hubbub was probably the only important letter out of the whole bunch. It seems that the large nameplate outside one of the engineering buildings on campus was changed to read "Eat lead, gooks." This in itself was not a major incident. It was a thoughtless prank, in all probability. There are those who thought it funny, and probably that group included the perpetrator(s). I doubt that any of that group even take note of the fact that they have so exposed themselves as racists.

Plug-in Time
Let's get it over with right now. The names are there in your vocabulary, right there in

Continued on Page Three



Ideas, Men, And Murder

Editors:
Voltaire once said something like, "I don't agree with a word you are saying, but I'll defend to the death your right to say it." Somewhere along the way, that notion has become perverted. We have seen political figures on the left, right, and center killed. One man with a gun overbalances the will of the millions with their ballots.

Many have disagreed sharply with George Wallace over the years. But no civilized person would wish him dead strictly on that account.

The Czars of Russia lived in constant fear of plots against their lives by their courtiers. It is ironic that American politicians should live in fear of the same crowds of people they depend on for votes, whose will they supposedly serve.

Democracy will never work properly if we continue to confuse men with ideas. Attacking ideas does not, in general, hurt men; but the world runs largely on the ideas of men who have been killed.

Intellectualizing will not make the problem go away. The problem comes from people who don't intellectualize, but merely act for whatever sick reasons. Perhaps there is not cure for such people, and perhaps we will always have to live with this sort of nonsense. It hardly calls for any pride in being human, however.

—Philip M. Neches
Fleming House

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NEXT WEEK:

CHARLY

Racism

Continued from Page Two

the section you only use when you get mad. They include nigger, chink, wop, honky, gook, offay, greaser. If you are old enough, they also include litvak, jap, kraut, frog, and dozens more. Plug in any of them on that sign or many others. There are convenient short names to put in for just about any group you want to hate or make fun of. After all, isn't it easier to put someone down if you can plug him into one of those neat little throw-away boxes? Isn't it easier to deal with someone by saying to yourself, "Okay, he is like all of those other (fill in blank space) and that's how I'll treat him."

Two of the biggest reasons for racism are probably fear and a desire for simplification in dealing with the world. The latter is very useful in wartime, because if you can think of the enemy as interchangeable parts, as gooks or japs or krauts, then it doesn't get so complicated when you have to kill a few. If you can get into the feeling that they aren't people, then you don't have to worry about real people being killed if you fly over Hiroshima or Dresden, or carry a smoking gun out of My Lai. After all, they were only gooks. They were only krauts. They were only Japs. They were only non-people. If you only shoot objects, the brain doesn't register the act as murder.

There is also fear. Racism based on fear doesn't need to be in wartime. It can be fear that

these others may harm you in some way, usually economic or religious. In the case of the Jews, it was both. If you are in a lowly paid job somewhere, and suddenly a group of immigrants arrive, you fear them, for you might be fired and these new ones hired at a cheaper wage. It happened time and again in this country. If much of the economy of the area in which you live is controlled by an ethnic group which seems very separate from your own, you fear for your stability. If there are those whose religious beliefs are not compatible with your own, you fear that your religious freedom will be limited, or you want to limit theirs. And, worst of all, you fear that your children might marry into that other group, so that your descendants would be non-people. Your immortality would be gone, for you lack offspring who are people by your own standards. Miscegenation is one of the most unthinkable words in your vocabulary, isn't it? After all, would you marry one yourself, so that even your children would be them rather than people?

Are we far afield from our original topic? Have those of you who are still reading applied any of this to your own thoughts? Probably no to both. But in truth we are back to the start. The sign on that building was an unthinking slur quoted from an unpopular war. In all probability, it was not put there as a deliberate attack on those on this campus of oriental descent. But that is exactly the point: it was unthinking, automatic. The thought, the stereotype, the grouping and the xenophobia

were there. The dehumanization was there. The harm was there. I do not pretend to escape these traps myself. I have been guilty of the same crimes of stereotyping and slander. I find it hard to forget the fact that some of my ancestors were slaves. I find it hard to forget that others of my ancestors were forced to walk across one-third of the country, in winter, by a President most of you were taught to look up to. I find it hard to forget that I am dealt with in the context of the physically apparent parts of my ancestry. I hope, however, that I am able to occasionally deal with people as individuals, and deal with them outside the context of their ancestry and mine. In time, I hope that the actions of myself and those around me are as unthinkingly non-racist as the pranksters were unthinkingly racist. I fear, however, that none of us will live long enough for that. The man who said, "I have a dream," certainly didn't live long enough to see an end to racism. Perhaps mankind won't. So it goes.

"Pinafore"

Continued from Page One

not amused."

The ASCIT production is produced by Greg Simay, directed by Bruce McLaughlin and Kent Nakamoto, and has for its musical and technical directors, Tim Erickson and Norm Pendegraft. Tickets will be on sale at the door, but special discounts are available for groups prior to the performance.

Commentary

Lees Says "No" On Nine

[Ed. Note — The California Tech is presenting a series of comments by informed people on Proposition 9, the environmental proposal which will be voted on June 6. Below is a statement by Lester Lees, Caltech professor of environmental engineering and aeronautics and Director of EQL.]

As you probably know, the EQL itself takes no official position on ballot measures. Speaking only for myself, I have had a hard time coming to a decision on this sloppily-drawn initiative measure. If it were not for the provsion making it

"unlawful for any person to manufacture or construct an electric generating plant which is powered by atomic energy from nuclear fission during the five-year period...", I would probably vote yes. But this provision will make our critical energy shortage even worse, and lead either to construction of more polluting fossil-fuel plants, or to a severe backlash threatening orderly solution of our environmental problems. So I vote NO on No. 9.

Lester Lees
Director, Environmental
Quality Laboratory

Vote Early & Vote Often

Class Elections Today

Vote today for upperclass officers for 1972-73. You may vote in the student houses from 11:30 a.m. to 1 p.m., or in Louise Hood's office from 11 a.m. to 4 p.m.

Running for senior offices are: President — Pete Anzaldo, Kelly Beatty, and Jan Waluk; Vice President — Dave Collier, Dave Evans, and Dave Wellman; Secretary — Charles Almquist and Bruce Anderson; and Treasurer — Cliff Brown, Bill Derrick, and Richard Lindsay.

Junior hopefuls include: President — Andy Dowsett, Tom Farr, Carol Nottenburg, and Rik Smoody; Vice President — Bob

Coleman, Dave Peisner, and John Steubs; Secretary — Marian Movius; and Treasurer — Peter Beckman and Rob Olshan.

The sophomoric candidates are: President — John Best, Timothy Gay, Ross Miller, and Steve Vik; Vice President — Dan Chitty and Channon Price; Secretary — Kristie Harmon and Robert Linderman; and Treasurer — Rick Mitchell and Jim Ogg.

Also appearing on today's ballot are the By-Laws amendments proposed by the BOD which will update the ASCIT By-Laws. Runoff elections for class officers will be held Tuesday, 23 May.

HMS PINAFORE

by W.S. Gilbert and A. Sullivan

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Hold Your Breath

Clean Air Cars Entered In Rally

The Caltech Clean Air Car Project has entered three vehicles in this weekend's RED (Reduced Emissions Devices) Rally at the University of California, Davis, campus. The RED Rally is designed to consider the possibility of using retro-fit modifications of stock cars as a means of reducing exhaust emissions, and to stimulate communication and public concern for vehicle pollution problems. There will be

McGovern Adviser Talks To Techers

by John Cross

Arthur Obermayer, one of Senator George McGovern's major technological experts, was on campus Sunday to talk to a group of interested people from Tech, JPL and industry. Dr. Obermayer, president of a small Cambridge, Mass.-based fiber research company, is concerned with finding new channels for employment of former aerospace people and new engineering graduates. Dr. Obermayer has testified before Congress that numerous problems facing society require technical research and are being inadequately funded by the government and industry. These include pollution, waste recycling, energy conversion, air traffic control, noise abatement, mass transit, population planning, law enforcement, drug rehabilitation and others. He said NASA received in two recent months 500 proposals for technical research of benefit to cities which could not be funded.

McGovern's technological program has four parts: 1) Fund R&D dealing with the problems mentioned above. 2) Find better ways of stimulating private research, like grants for R&D benefitting all companies in an industry to make US products more competitive. 3) Encourage R&D by small firms, which have in the past been the source of much of the most creative new work. 4) Consolidate Federal R&D into a Department of Science and Technology to reduce duplication and to seek out and sponsor work on unsolicited new proposals. The second and fourth ideas have been used successfully in other countries.

Finally, McGovern's program would be people-oriented rather than organization-oriented, dedicated to the preservation of technical skills and to the reduction of under- and un-employment rather than preserving specific companies, which may have become inefficient or obsolete.

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two classes of competition, one for lowest emissions and the other for best score in a combined area of emissions levels and various performance levels.

Caltech has submitted three entries, a 1965 Mustang with a Clean Air tuneup, a 1967 VW with exhaust gas recirculation and carburetor modifications, and the 1970 Clean Air Car Hornet, which operates on propane fuel. The overall Caltech team captain is James Henry, who is listed as an EQL Staff Aide and a Caltech senior.

Henry Makes It Big

Each team also is required to have a driver, a mechanic, and an observer to accompany another team during the rally. The Tech Mustang team is Dave Beatty, Bart Lacconti, and Anita Crafts, the VW team is Roger Lighty, John Batchelder, and Bob Cowan, and the Hornet team includes Gary Rubenstein and Bruce Montgomery.

Part of the performance tests on the Rally will include a time-and-distance run from the San Francisco Bay area to Los Angeles. Pollutant data will be taken on each vehicle at both ends of the course.

Eleven vehicles were entered in the Rally by eight different universities. Caltech led the way

Kieckhefer on Beckman???

by Bob Kieckhefer

Expect Beverly Hills property values to drop substantially in about 50 million years, as the Los Angeles area moves toward a plunge under Alaska. This was the most startling prediction that a standing-room audience gleaned from Dr. Charles Archambeau's Monday night lecture at Beckman, "Sea Floor Spreading and Continental Drift: Manifestations of Planetary Evolution."

Dr. Archambeau's lecture started with a rather lengthy review of all the evidence supporting the theory of continental drift, a theory which was thought very far-fetched when first proposed 50 years ago.

As data about mid-oceanic ridges was received in the middle of this century, it became fairly obvious that they were spreading centers in the earth's crust: material is welled up from the earth's interior to form new crust. This new crust being formed must result in crust being destroyed in other places to keep the earth's size constant; seismic studies have shown that in ocean

with three entries, UC Davis had two, and UCLA, USC, Stanford, San Jose State, Sacramento State, and Oregon State each have one entry.

Feel Like Moving - You Already Are

trenches material is subducted back into the mantle, where it is remelted.

Crusty Old Earth

Various paleomagnetic studies, corresponding rock strata across various continental boundaries, as well as some obvious physical similarities (it doesn't take too much imagination to fit the South American and African coastlines together) indicate that all of the earth's continents were one mass about 200 million years ago. Presumably earlier continents had drifted together before then to form this one super-continent, which then broke apart.

In the past 200 million years, the continents have moved at very different rates to get to their present locations. India, starting adjacent to Antarctica and southern Africa, sped across what is now the Indian Ocean, hitting Asia so hard that the Himalayas were formed. Australia also started near Antarctica but moved rapidly away. North and South America did not start separating from Europe and

Africa until 135 million years ago.

Apartheid

Dr. Archambeau's last topic was a view of the earth 50 million years in the future. Most relevant to the Californians in the audience, the portion of California west of the San Andreas Fault will have separated from the rest of North America. (We are actually living on part of the Pacific "plate," not on part of the North American "plate.") Los Angeles will be the sister city of Oakland, across a body of water which will have grown from the present Gulf of California. Much of San Francisco will be headed toward the subduction zone under the Aleutian Islands. Other continental masses will also be moving: eastern Africa will move north to cut off the mouth of the Red Sea, India will slide eastward, and Australia will move about a thousand miles north, and will no longer be "Down Under."

This lecture concluded this year's Monday night lecture series at Beckman.

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A California Tech Interview

Homosexuality On Campus

by Peter W. Beckman

[Ed. Note — The last few years have seen the rise of a Gay activist movement. Homosexuality is no longer a forbidden subject, and there has been increasingly frank open discussion about the role of gay people in modern American society.]

Recently, *The California Tech* talked with three people — Don Kelsey, Karen Roberts, and Dan Rudolph — who have been deeply involved with the Caltech Gay Discussion Group. Below is the first part of that interview.]

Tech: What do you see as the purpose of the Gay Discussion Group?

Don: I originally set it up for several reasons. One was to make it possible for people on campus who were gay to meet each other. Very often students — undergraduates especially — feel that they're very isolated. Secondly, I felt it was important to provide a means by which straight people and gay people could meet each other. In one sense it would provide an education for the straight people, but that sort of thing goes two ways, and people who are gay will learn things too. Thirdly, it was to provide, if possible, a more social atmosphere in which gay people could meet to have parties, dances, or whatever, although at this point that purpose has not been realized because the group is so small.

Dan: Don's second reason was behind my decision to come into the group. I wanted to gain some understanding. My attitudes towards gay people had been formulated entirely by what I had been told — little stories, jokes, etc. So, I decided it was about time I found out what gay people were really like. That's why I came here, and I really seem to have learned that they are just people.

Tech: How much do you think the group has accomplished in its first year of existence?

Don: I think it has done rather well. Considering the size

of this campus, I think the percentage of people participating has been double or three times that of larger campuses in Southern California. I think it indicates that at least some Caltech students have interests other than grades and studying.

But, success is a bit hard to measure. If one is expecting a fantastic amount of participation one is going to be in for a shock. Statistically there should be about 56 undergraduates and about the same number of grad students here at Caltech who will be predominantly homosexual in their lifetimes. But, if one expects 112 people on this campus to participate, one is going to be very disappointed because many of these people are going to be terribly frightened of possible exposure to themselves and will be afraid to come out. There will be some people who will see no need for it, and a number of other factors will limit participation.

We have had what I consider to be good participation by gay people and rather fantastic participation by straight people. I think this has had much to do with the success of the group.

When we screened the film "Some of Your Best Friends Are ..." we had 35 to 40 people at the meeting. Of course most of these people never came back again, and we didn't expect them to. The fact that so many people were interested in coming out of curiosity to even one meeting was important. We hope that they got some impression, hopefully favorable, as to what gay people are.

Dan: When I'm here talking to people, I'm rather apprehensive because I'm ignorant. In watching the people, in listening to them talk about what the difficulties in their lives are, and what the satisfactions in their lives are, you learn a awful lot, not just about gay people, but about people in general.

Don: You brought up something I wanted to mention. We

didn't want this to be a fishbowl arrangement where straight people would come in to observe gay people. I think the point you mention is valid — I think the discussion group can be applied to anyone. We haven't talked about sex *per se*, that's relatively far removed from considerations. We've talked about how to interact with people, what sorts of roles people play, what's considered to be masculine and what's considered to be feminine.

If a man likes to cook, does that mean he's feminine? If a woman drives a truck, does that mean she's masculine? Of course not — these are misconceptions that are held by people who force others into rigid types of roles. I hope that straight people will get as much out of discussions of this type as gay people.

Dan: When I first came to the meetings I didn't want to give the impression that I had come here to watch and see what these strange people were like. I felt the need to understand and deal with something that, from the interactions that I had had with people here at Caltech, had brought questions into my mind that I couldn't understand. Here was a place where I could talk and listen and find out.

Don: That's also a valid reason for a student to come into the group. If he's wondering if he's gay or not. I don't know whether the question would come up — one thing we don't do is convert anybody. There's no conversion to being gay — one either is or is not. Of course, that's an arbitrary division; there is a whole range of degrees of sexuality. If a student is wondering about himself then this is an opportunity to meet other gay people and straight people in the group and find out something about himself and other people so he can arrive at an answer as to who he is.

There are students that often, because they have had some thoughts and feelings about homosexuality, become convinced that they're gay because of

isolated thoughts and instances where, as a matter of fact, they probably aren't. If a student came to me because he was wondering I would first try to determine if he really was gay. Probably four times out of ten he wouldn't be.

Karen: One of the things that really impressed me was the fact that, not only isn't there any pressure to "convert" people, there isn't any pressure of any kind to even declare yourself. You can sit there in perfect anonymity about your sexual preferences and nobody is going to pressure you. Everybody in the group is really friendly and accepting of whatever they find.

Tech: You mentioned rather fantastic participation by straight people. How much effect do you think the group has had on the Caltech community as a whole?

Don: There is some indication that there was a small amount of apprehension about it at first, at least from the administration. In the beginning many posters were taken down or weren't put up by the departments. As far as I know now, the posters that are being put up are being left up.

The mere presence of posters is bound to have some effect on the consciousness of the Caltech community. People will stop and think, and they'll realize that they have always been meeting gay people and having gay people as friends and relatives and have not known it generally. The fact that it becomes somewhat conspicuous, but not blatantly so, will make them come to think about their attitudes.

Dan: Personally, I think that I am now ready to talk to people in the student houses about the group, what we talk about, and what the people are like. I've begun to notice that one person who comes to the meetings and his group of friends are much more willing to introduce the notion of homosexuality into regular interchanges in the house. Sometimes it's in a funny pranking sort of way, while at other times it's much more serious. I don't think that's just an effect of the group; it's an effect of the gay movement as a whole.

Karen: It's a little hard to tell because I, at least, haven't heard any discussions about the group

or homosexuality in general. Although I'm sure there have been some because there are people in the house who are gay — it's very well known and nobody cares about it. But among random people either they're not quite sure what to do, so they don't say anything, or they're cool and it doesn't occur to them that there is anything out of the ordinary about it anyway so it shouldn't be a topic of discussion.

Tech: Then, if Caltech is so tolerant, why do so many gay people feel the need to be so secretive about it?

Don: I think that it is primarily due to very prolonged conditioning. Any person, when he is very young, learns that there are certain activities that society frowns on very strongly. At one time, it was sex in general; now it has reached a point where sex itself is not so taboo, but certain types of associations still are completely taboo. The law still imposes rather severe penalties for certain forms of sexual behavior.

Similarly, one hears of rather severe penalties concerning employment. Many students around here are concerned with security clearances. One "knows" that if one is gay one won't get a security clearance — at least if one is found out — so one works very hard not to be found out.

That, fortunately, is changing. There have been court rulings that security clearances cannot be denied specifically on grounds of homosexuality, although I think that at places like the Pentagon it's going to be quite a while before the policy changes.

Probably the most severe conditioning that one undergoes are the crude, pointless jokes and remarks about gays. That is a clear indication of social disapproval and adds to the worry about how your friends and relatives will react to you if they find out.

This usually presents a rather tremendous burden on a person. In fact, most of the fears are exaggerated, particularly due to events in the last three or four years. The social stigma of being gay is declining with a corresponding rise in acceptance. Although there are still some very real problems, most fears about exposure are exaggerated.

You take a risk, a small one, that some people will get very up-tight when they find out you're gay. But you have to assume that people are generally rational and that they will

Continued on Page Eight

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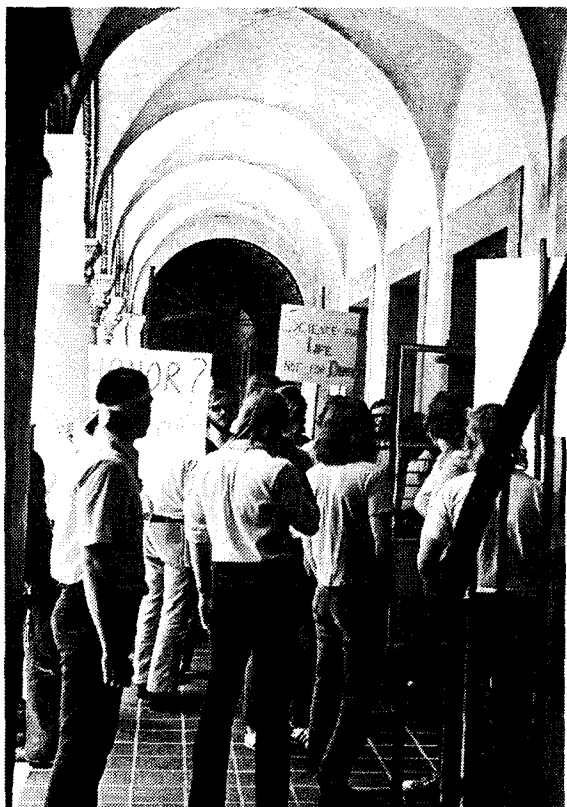
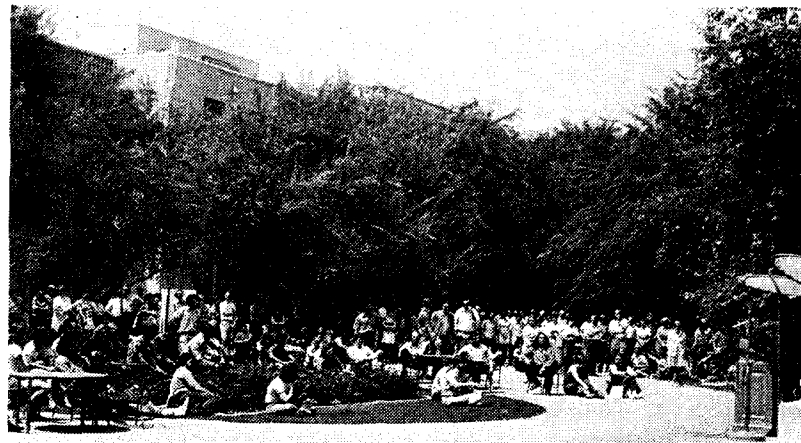
Above: Caltech President Harold Brown discusses the Nixon administration's moves to a group of about 350 students, faculty, and staff.



Above: Some of Harold Brown's many listeners.

Left: Oxy Sovietologist

Below: Marchers on Lake Avenue.



Above: Marchers stop in Dabney House to gather more people for a march to the post office.



Below: Drs. Huttenback and Davis letting 'em know what the folks at home are thinking.



Caltech student leaders called for a day of "self-education" last Friday on the issue of Southeast Asia, recently brought to crisis proportions by President Nixon's recent decision to mine Haiphong and step up air attacks on the North. The morning program consisted of several speakers, led by Caltech president Harold Brown [see story on page 1].

Next, Dr. Larry Caldwell, an expert in Soviet affairs from Occidental College, speculated as to what the Russians' reactions might be. He concluded that the Soviets had much to gain and little to lose by continuing their policy of denouncing Nixon's actions but not taking direct action against the blockade.

Several speakers then gave their views on the Nixon action in impromptu remarks. The morning session ended just before lunch with a call for a march to the Pasadena post office immediately after lunch.

The march started on the Olive Walk at about 1:15 p.m. and wound through all of the student houses acquiring supporters. The marchers, about 75 in number, first marched to the local Nixon headquarters on Green Street. After chanting anti-war slogans for a while, the marchers went on to the post office on Colorado Blvd., where marchers mailed postcards protesting the war to Nixon and members of Congress.

Police praised the marchers for their observance of traffic laws and orderly conduct.

—Photos and story by Phil Neches



Starving Yugoslavians?

Benefit Concert Held

The Caltech Glee Club presented its annual Home Concert Friday and Saturday nights in Beckman Auditorium. The concert featured a varied selection of sacred and secular pieces — about thirty-five in all. Director Olaf Frodsham lamented the decline of the all-male chorus in America and the accompanying lack of new music for such groups to perform. But Mr. Frodsham's interpretation and the Glee Club's ability made the oldest pieces seem new and refreshed. Besides the 50-member Glee Club, several individuals and groups performed. These included two solos by Jim Hugg, and a few numbers each by the Madrigal Singers and the Varsity

Quartet. The Chorale joined the Glee Club on the last three songs. During the first part of the concert, the songs to which the audience responded most positively were Arthur Frackenpohl's *Essays on Women* and Jeffrey Hay's adaptation of six Ogden Nash poems, *Original Species*. As the Glee Club and Chorale did songs from *Paint Your Wagon*, Dave Larwood showed his slides from their March tour of the Southwest. The concert ended with the traditional numbers, *Salvation Belongeth to Our God* and the Caltech Alma Mater. For these songs, Glee Club alumni from the audience joined the groups on stage.

The Critical Ear



Here we have a pair of albums that probably should have been reviewed several weeks ago, but got overlooked in the shuffle. The first is entitled "If Not For You," and is recorded by Olivia Newton-John (no, that is not several people). The title cut was a hit for Miss Newton-John a few months ago, and so I expected the rest of the album to be made up of random filler songs of the same type. I was wrong. The album includes songs written by Kris Kristofferson, Gordon Lightfoot and The Band. The overall theme of the album is love and its various forms. It ranges from Kristofferson's country influence ("Me and Bobby McGee" and "Help Me Make It Through The Night") to the poetry of Leslie Duncan (Elton John's "Love Song"); from the roughness of a Tom Rush ("No Regrets") to the smoothness of a Gordon Lightfoot ("If You Could Read My Mind"); from the earthiness of The Band ("In A Station") to the flowing lightness of a song by Bread ("If"). If you like to

listen to love songs sung by pretty female vocalists, then this album is for you. Olivia Newton-John's voice is not spectacular, but it is very nice to listen to. Not only that, but you can have even more fun looking at the album cover while you listen. As I said, she is a very pretty vocalist. YES (UNI 73117). Lest you think that there are too many favorable reviews in this column, I now must warn you about a real turkey of an album. By the time I got around to listening to the review copy, a local record store already had it in their bargain bin. "Willoughby's Lament" by Bob Brown is an artistic disaster. The songs were all written by the artist, and written well. The album was produced by Richie Havens, who also supplies some of the background vocals. The vocals, however, are the most mismatched since Tim Buckley's "Starsailor." "Willoughby's Lament" was painful to listen to, and it is a pity that Richie Havens' name has been besmirched by the association. Bob Brown's singing is ghastly, a veritable blot upon the escutcheon of music. In fact, for the reader who comes up with the most imaginative way of destroying a record album, I offer as prize this album. (Submit contest entries to me, care of this paper. Contest closes at an arbitrary date in the future.) Oh, and by the way, this album rates a definite NO!!! (MGM/Stormy Forest 6008).

—Nick Smith

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Challenge to Leaders

Flems Close on Page

Fleming House rolled to its ninth consecutive Discobolus victory Tuesday, defeating Dabney in badminton 5-0.

The win pushed the Flems to within five points of the undeclared "champion" Page House, placing new excitement in a competition that appeared dead in second term.

Two more successful challenges would give Fleming the lead, while Page is currently fourth on the rotation list. Rumors are flying, however, that Page will face Fleming in a showdown match sometime next week.

Track Team Hot

Spikers Battle for...Tree?

by Bob Kieckhefer

Four of Tech's remaining die-hard track team members attended last Saturday's UC Riverside Invitational Track Meet. They almost died in the 100 degree desert wind. (No major fights broke out over the right to sit under UCR's only shade tree, but population densities there approached those in Harlem.)

All of the runners' times were poor, but the Techers still finished well relative to the other tired competitors. Charlie Alm-

Fleming's Record	
defeated Blacker	softball
defeated Dabney	basketball
defeated Ruddock	softball
defeated Lloyd	ping pong
defeated Ricketts	pool/billiards
defeated Page	football
defeated Blacker	softball
defeated Dabney	badminton
Discobolus Points	
Fleming	35
Ruddock	3
Lloyd	7
Ricketts	8
Page	39
Blacker	4
Dabney	4
(in rotation order)	

quist led the team with a second place in the 440-yard intermediate hurdles. Other medal winners were Haywood Robinson (third in the 100-yard dash) and Greg Griffin (third in the 2-mile run). The sun beat Alan Kleinsasser down to only a fourth place in the 880-yard run.

Six Tech runners will attend the NAIA District III meet in San Diego tomorrow and Saturday. Their performances should be better there, as they will be running on Tartantrack and hopefully in cooler weather.

Brown Talk

Continued from Page One

actions, Brown speculated that Nixon wanted to "move the action to the political sphere; to get the Russians to put pressure on the North Vietnamese - this is the biggest risk. It invites their (the Russians) thinking that we've put them on the spot."

Brown did not think the current crisis very comparable to the Cuban missile crisis, a comparison frequently drawn in the press. "We're farther from it (nuclear war);" each side still has "many possibilities for backing out." The current crisis is not "immediately frightening" as was the Cuban missile crisis.

Dr. Brown personally had "felt the chances (for the Summit talks) were small Monday (May 8) night," but that a maritime agreement, extending trade, and SALT were "still in our mutual interests and probably would proceed." All of these negotiations had been "put into real jeopardy" by Nixon's recent actions.

Subsequently he had thought that Soviet Minister Patolichov's remarks after a conference with Nixon last Thursday a "remarkable performance," indicating that the Summit might well go forward, despite Brown's first reactions. Brown did not think that any "bargain" had been struck at that meeting, but

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perhaps "we may see our interests in the same way, but this is a rather Pollyannish view."

The interests of the South Vietnamese and the United States (as well as those of the North Vietnamese and the Russians) are not the same, Brown said. In particular, the North Vietnamese and the South Vietnamese, for their own respective reasons, do not want the U.S.A. and the U.S.S.R. to get closer.

Brown mentioned early in his talk that similar plans of action had been considered between 1965 and 1968, when he was Secretary of the Air Force. He stated that at the time, all such proposals had been rejected as "too risky" and not offering "enough pay-off." He concluded his talk, "The risks are very great and I personally would not have taken them."

The meeting then opened to questions from the estimated 350 people in the audience. The first questioner asked about preserving the honor of the United States.

"There is no honor for anybody in this situation," Brown replied. "If South Vietnam falls from its own weakness of structure after the United States did everything any

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Simmons Places Third in NAIA District Tourney

Seniors Roger Goodspeed and Jim Simmons closed out their intercollegiate golf careers in two tournaments held earlier this month.

Simmons placed third - a stroke behind second - in the NAIA District III tournament last Friday. His back-to-back scores of 74 gave him a 148 total, seven strokes behind champion Mitch Voges of U.S. International University. Goodspeed finished with a 156.

Two weeks ago, the pair traveled to San Diego to compete in the Southern California Intercollegiate Golf Tournament. Goodspeed had a particularly good round of 75 on the tougher South Course at Torrey Pines. He finished at 153, and Simmons followed with a 160. Craig Stadler of USC led the field with a 138.

News Briefs

Continued from Page One

Want Ride? Need a Rider?

The time of year is coming when finals are over and Techers all scatter in all directions. The Caltech Y maintains a map in the southeast corner of Winnett Lounge on which people looking for rides or riders can locate their needs and get it together.

Book Sale

Saturday, May 20, from 9:00 till 6:00, the Friends of the Altadena Library will hold their annual book sale. A broad range of used books will be available and the customers may browse among the pile of volumes stacked outside near the parking lot and inside around the Community Room at the Public Library at 600 East Mariposa Street.

The books are priced from a dime to a dollar, with some special items priced higher according to their value and special interest.

reasonable future ally could ask," Brown did not see what could be done. "Honor" confuses the issue."

Asked why the North Vietnamese invaded the South, Brown replied, "possibly to wreck the summit."

Finally, asked what effect Nixon's actions might have on domestic politics, Brown replied that he did not know of anyone who was turned off by the decision who was not turned off before. The action "may not help or hurt Nixon in the election."

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Interview

Continued from Page Five

behave in a responsible manner.

I think that on a campus like this, as compared to a liberal arts campus, people are more inclined to keep their homosexuality very secretive. This is unfortunate, for this campus is probably the very best place for them to associate with other gay people. They obviously will not have the opportunity once they leave this place.

The atmosphere on this campus itself is very good; in general, people here are more tolerant, more understanding, more liberal than people off the campus. Here is where they are going to find that they can be more open about themselves if they can overcome their fears of exposure.

Tech: Some anti-gay feeling seems to exist on campus, particularly in some of the undergraduate student houses. Why?

Karen: I think that one of the major parts of this anti-gay feeling is the subconscious fear that if you don't get rid of gays you'll turn into one just by association. I think that a lot of guys are unsure of their "masculinity" and that is a result of the way society is set up.

I was just reading an article on how the language is very sexist - its very male oriented. Being gay is associated with being effeminate or unmanly, and these have traditionally been very bad things. To put down "gay boys" is the same thing as putting down women. You must prove how masculine you are because that is what society says is good.

Don: That is a very good point. I think that often the person who is most vitriolic against gays is the person who most deeply feels that he might have some homosexual leanings himself. There are people who know that they are gay, but use a coverup. They appear to be the most anti-gay people around so that others won't suspect. Naturally, you can't say that everybody who puts down gays is gay - that is obviously incorrect - but I maintain that there is a large number who are at least afraid.

The other point is that many people think that gays are less masculine. When I was in undergraduate school and in a quandry about how I felt, I had no recourse to find out anything in general about what homosexuality was except to read books which proved to be very poor

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sources of information. The only model one had was the slightly overweight, effeminate guy in the music department who one might think was gay, but outside of that one could not even think of anybody that one could even suspect.

When a gay person is told that homosexuals are supposed to be effeminate, that they are supposed to be artistic, that they are supposed to be "sick" and "abnormal", he is put in a paradoxical situation because he does not feel effeminate, sick, or abnormal or whatever. So, the very real purpose of this group is to let people know that gays are just human beings who cannot be differentiated on the basis of appearance or clothes or political orientation or anything else.

Dan: In that light I remember one of the funniest interchanges in the meetings was a little *sotto voce* discussion by two people in the corner who were trying to determine whether I was gay or straight. They couldn't decide. Actually, I think the whole point was that the guy who thought I was gay was after me, and the guy who thought I was straight was betting on the fact that I had come in with Karen. It was all very interesting.

Tech: Don, there is still a stigma attached to being a known homosexual; why are you letting us use your name?

Don: One has apprehensions about exposing oneself. When I set up the group I personally did not contact people in the administration; Ian Hunter saw to that. I was apprehensive of exposing myself - even through the alleged underground grapevine of the undergraduates - by signing my name to the notices that I sent to the paper.

I was in a quandary over whether this would be student "X" or "Don" or "Don Kelsey" who would be representing the "gays" in this discussion. Then I remembered what I had told my friends and myself, that even though in many areas of life it is unnecessary for other people to know that I am gay, I shouldn't try to hide it.

If this were a discussion on politics or bridge, naturally I would say who I was. The fact that this talk is about the Gay Discussion Group shouldn't change that.

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