Result:

The CALIFORNIA Tecl

Raucous Vote Against Ph2

Volume LXXII

March 4,1971

Number20

Steve Watkins Elected New ASCIT President

Beckman on Beckman



by Peter Beckman

Henry Dreyfuss, industrial designer and Caltech trustee, showed that a symbol is truly worth ten thousand words at Monday night's Beckman Lecture. Speaking on "Signs of the Times: Symbols-a Universal Language" he 'xplained that symbols have comm n meanings throughout the vald while many concerpts are difficult or impossible to translate from one language to another.

In today's complex world symbols form a much-needed supplement to language. With over 100 major languages in use complete translations of signs are impossible in places like international airports or world fairs, but universally recognized symbols can solve the problem nicely.

↑This End Up↓

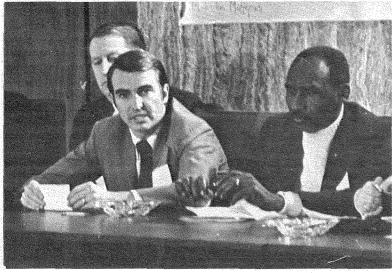
Symbols are roughly divided into two classes: graphic and arbitrary. Graphic symbols are created by combining representations of objects to signify some co. rept. For example, and arrow representing "this side up," a glass meaning "fragile," and an umbrella standing for "don't get wet" drawn on the side of a package would be recognized by almost any cargo handler regardless of nationality. These three representations would be much more effective than most translations of the same concepts.

Graphic symbols are older than civilization. They are found in ancient caves inhabited by prehistoric man and are the basis of Egyptian hieroglyphics. They have found great use today since the same symbol can cross international boundaries and still retain its meaning. Its meaning is obvious, and they are easily learned and seldom forgotton.

Arbitrary symbols form the largest class. Through custom or decree they have taken on certain meanings that have nothing to do with their physical form. No one would know what a treble clef stands for at first sight; likewise letters and punctuation marks are arbitrary symbols.



mediately recognized, and tests have shown that people react more This gives an added measure of



Candidates for Pasadena's City Council threatened to make a hot air balloon out of Winnett Center Monday Night, as they met to impress their views on the trolls watching "Laugh-In."

—photo by Fish

City Elections

Candidates Speak at Winnett

by Philip Massey

As part of its continuing policy of doing assorted nice things, the Caltech Y sponsored a two night program Monday and Tuesday in which members of the Caltech community and the City of Pasadena got to meet some of the canditates for the upcoming city

Many people have an unfortunate tendency to sneer at local elections. Local elections issues can be just as absurd as national election issues. First there was the matter of helicopters. It seems the incumbent Walter Benedict feels that one of the really big acomplishments in the past few years has been the addition of two fine new helicopters to the Pasadena Police force. One of the listeners asked him if they were doing anything besides keeping people awake at night with "those stupid spotlights." Benedict pointed out that the helicopters were very quiet ones and that of course they were doing a lot of good.

Rats and More Rats

Candidate Linda Currier question-

safety in cases where they are used to denote danger.

Symbols have their failings. One symbol may have several meanings while several symbols may stand for one concept, and of course they can Once learned, symbols are im- always be misunderstood. Color adds a new dimension to symbols, but it creates problems for the quickly to symbols than to words. person in 25 who is colorblind.

Continued on Page Two

Wrestlers Close Season

by Vincent Fratello

The Caltech wrestling team concluded its season last weekend with its best finish ever in District III competition at California Lutheran. The SCIAC Conference championship team took a third with five placers: Randy Lewis, third at 134, Gary Zieve, second at 150, Ken Walker, fourth at 158, Rik Smoody, second at 190, and Bruce Johnson, second at Heavyweight.

As was previously expected, USIU, with their newly-purchased wrestling team, and Biola College,

always a strong mat power, dominated the tournament. Both teams placed six men in the finals to take first and second respectively.

Caltech led the other teams despite final-round disappointments and strong challenges from California Lutheran and UCSD, both of whom beat Caltech at last year's tournament.

Other teams attending the tournament were Pomona, Pasadena, Whittier, Claremont, and Azusa

ed the use of these helicopters, and said that her reason for running was that she had been fed up with Mr. Benedict. (She is the other candidate from District 6.) She cited examples! of rats running around her neighborhood, and that the police would never do anything about all the rats. However, kids with B-B guns can be found shooting the rats quite often-which brings the police out in their shiny new helicopters. She suggested getting rid of the rats and thus saving on all that helicoter fuel, something she vows to do if elected. The questioner, in a burst of inspiration, asked her if the kids are successful in killing the rats with their B-B guns. She replied that they had killed 34 at last count.

Steve Watkins defeated Marc Aaronson by a mere 13 votes in a run-off Tuesday to become ASCIT President. Watkins and Aaronson reached the run-offs by out-polling Andy Chow and Alex Seita in the primary. 505 ASCIT members voted in the hotly-contested primary, and 501 went to the polls in the run-off.

In the other contested offices, Sharon Long defeated Doug Duncan to become Director of Academic Affairs, and Jeff Hurn defeated John Tristano to become ASCIT Secretary.

Security Chief Resigns For Personal Reasons

by Phil Neches

Ken Charles left his job as Chief of Campus Security unexpectedly the Friday before last (February 20). Personal reasons were cited as the cause of the move.

Charles had been head of campus security since 1968, when Officer "Fig" Newton retired.

Charles worked to improve relations between campus security and the students and faculty. His efforts were praised as being successful by L. Terry Suber, Director of Physical Plant, who announced that Charles had left.

Suber indicated that a search will soon be initiated to fill the vacant position but that until a permanent replacement has been found, his office (ext. 1707) will handle matters normally intended for the Chief of Campus Security.

Y ELECTION RESULTS

President-John Bean Vice President-Lorne Schachter Secretary—Dave Collier Treasurer-Belal Baaquie Rep. at Large-Greg Simay Jim Fuhrman Grad. Rep. at Large-John Cross

John Kessides scored a first ballot victory for one of the Director-at-Large positions in a field of four candidates. Dave Peisner came out five votes ahead of Jim Price in the run-off for the second directorship.

All of the unopposed candidat All unopposed candidates won; none received serious opposition.

Elections chairman Carl Imparato released the following unofficial

Toothis.				
PRESIDENT - Primary				
Steve Watkins	181	36.0%		
Marc Aaronson	114	22.6%		
Alex Seita	108	21.4%		
Andy Chow	95	18.8%		
Others	7	1.4%		
TOTAL	505	100.0%		
PRESIDENT - Run-off				
Steve Watkins	245	48.8%		
Marc Aaronson	232	46.3%		
NO .	24	4.8%		
TOTAL	501			
VICE PRESIDENT - Primary				
Kirby Dahman	359	77.8%		
Others	103	22.2%		
TOTAL	462			

ASCIT SECRETARY - Primary Jeff Hurn 339 John Tristano 103 21.6% Others 36 7.5% TOTAL 478 TREASURER - Primary

Tom Matoi

Others

Others 81 17.5% TOTAL 466 Director of Academic Affairs - Primary Sharon Long 52.2% 207 43.4% Doug Duncan

385

82.5%

Continued on Page Three

News Briefs

Glee Club to Sing After Meal at Dabney

Mark Bartelt

The Caltech Glee Club will serenade Dabney House after dinner next Monday night, March 8. Everyone is welcome to this program, part of a series of on-campus appearances by the Glee Club. The Glee Club is putting the finishing touches on its repertoire, and members will tour through California during the week of March 21-28. The highlight of the tour will be a dinner concert with a group of Caltech alumni in San Francisco.

Benton to Talk On Aesthetics in Science

There is an orderly relationship between music, mathematics, and medieval architecture which may not always be readily visible to science students. John Benton, professor of history at Caltech, will discuss such ideas of order for high school science students on Wednesday, March 3, at 3:45 in Beckman Auditorium. The lecture is one of a free monthly series Caltech presents for science-minded young people and interested laymen in general.

A sense of order is essential to science, Dr. Benton declares, and cites as one example the studies in fundamental particles done by a Caltech colleague, Dr. Murray Gell-Mann, noted physicist and Nobel

In discussing the importance of aesthetics in science, Dr. Benton will illustrate his lecture with an outstanding collection of slides showing medieval churches of Europe and will point out the mathematical relationships in their art and architecture.

Caltech Faculty Members Will Lecture on Art

Three Caltech faculty members will give lectures at the Pasadena Art Museum as part of its spring lecture series. Robert L. Sinsheimer, Alan R. Sweezy, and Gordon Garmire are speaking in conjunction with the California Design XI exhibition. Their lectures are concerned with order - man-made or natural.

On March 23 at 7:30 p.m. Professor Sweezy will speak on "Just a Matter of Space," the problems of over-population. Professor Sinsheimer will lecture on "Design in Nature" at 2:30 on

March 28, and on April 18 at 2:30, Professor Garmire will discuss "Design in the Universe."

Admission to each lecture is \$1 for museum members, \$1.50 for the general public, and 50 cents for students showing an ID card.

Folk Group at Page Tonight

Tonight, Camp Hilltop, a folkrock group that has often appeared at the Troubador, will perform in Page House dining room from 8 to 9 p.m., and from 9:30 to 10:30.

Refreshments will be served at this event, which is sponsored by ASCIT and the Master of Student Houses. All members of the Caltech community are cordially invited to

Totem Meeting This Tuesday

There will be a brief, bu inconsequential meeting of those persons interested in the actual production aspect of the creative writing magazine, The Totem, this Tuesday at 4 p.m. in the Tech office in Winnett.

Things Left Undone

Fisher Reflects on Year as President

by Bob Fisher

On going out of office, the biggest regrets are often for those things left undone. It is my feeling that the 1970-71 BOD yielded some accomplishments and some ideas, with the latter outnumbering the former. Here I would like to mention a half-dozen areas still unresolved, in the hope that someone else will pick them up. I am not necessarily speaking for the entire Board. Forgive me, also, if this column resembles a political statement. It is not intended as any kind of a campaign.

1) An Intern Program Caltech: What will I do when I get through with you? What will I be when you get through with me? A start has been made toward helping undergraduates to find out what it is we really want to do after leaving school, while still in school. Leaves of absence are easily available. The Administration deserves credit for arranging exchanges with other schools. Some students have made plans to intern in business or government. I think these ventures should be encouraged on a routine basis. A faculty committee on internships could compile suggestions from industry, government, and other institutions. They would then be in a position to advise a student who applies for time away from campus with perhaps only a foggy idea of what he wants to do. Four straight, years at Caltech can be less than efficient they can also

2) Social Life I still defend the concept of the Executive Social Committee. It is, however, just a mechanism not a solution to the social problems on campus. The Committee funds ideas, but as the saying goes, a hen can't lay an egg unless you feed her. More clever thinking and vigorous legwork is needed to make the social program and social life fully successful, I should have supplied more of both.

3) House Life Student Houses

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are too much alike. I would find a diversification of life-styles very welcome. Some Houses could be arranged around suites, some like fraternities, others like cross-sections of the real world, or a completely different scheme could be dreamed up. House life was very important to me during my first few years at the Institute. Four years in an unchanging environment is too much. I don't want to see the House system break down because it bores its long-standing occupants into leaving. Over the past year, the on-campus community has been able to agree on some general directions for the future of the Houses. I hope someone more clever than I will find a way to make them operational.

4) Feedback on Teaching Undergraduates here have an uncommon say in institutional affairs. But we have very few effective channels for feedback on the quality of teaching at Caltech. Guibas made a start with his publishing of comments on effective teachers. But more thinking and negotiating should be done to guarantee that poor teachers are not isolated from student criticism.

5) Community Relations Pasadenians know little about Caltech. Those of them that are old often know little about college students in general. I have considered the possibility of a one-day 'Community Fair" on Caltech's grounds. It would be a carnival combination of Parents' Day, Generation Gap Groups, Convocations such as the one held in Beckman last spring, two-way show and tell, and a party. It would also be a lot of work to organize.

6) An Institute Project Caltech has so many resources focused in so many different directions. But so many of our concerns are common to all elements of the school. I think we no longer need a Student Research Project on social issues and another Faculty project (such as the Environmental Quality Lab)

other. If it is possible anywhere to initiate an exciting program wherein students, faculty and administrators may work together toward common goals, it should be possible here.

These half-dozen "leftovers" may not be the most important areas for future work, but they are the things I would keep pushing were I to stay in the business of student government. There are many specifics also, too numerous to list here. I want to admit, however, that these projects, or most other projects as well, can be picked up and worked on as effectively by a non-BOD member as by an elected officer.

I have found my year as ASCIT president to be a major learning experience. I hope our Board's successes will be consolidated. In the cases where I fumbled or didn't follow through sufficiently, I hope someone will bail me out.

by Bob Kieckhefer

All-SCIAC diving champ-

Tomorrow those swimmers who national meet will finish their highest Caltech finishers tomorrow medley relay team, Bob Coleman in Hight in the 200-yard freestyle.

working independently of each

Swimmers Defeat College of the Desert by Default

ionships will be held this afternoon at Claremont Men's College. If all of Caltech's divers go to the meet, the points they earn could give the swimming team enough to place third in the league, ahead of Redlands and Pomona.

do not qualify for the NAIA season with the All-Conference swimming finals at Pomona. The will probably be our 400-yard the 1000-yard freestyle, and Tim **Audience**

East Of Jordan **PASLA**

In central Los Angeles, in the area that was once the Watts riot curfew area, a small office building or store has been converted into a theatre. That theatre is the home of a group called the Performing Arts Society of Los Angeles (PASLA) which runs drama workshops and other activities in which the members of the community participate. They finance these works with donations and revenues from plays which PASLA presents.

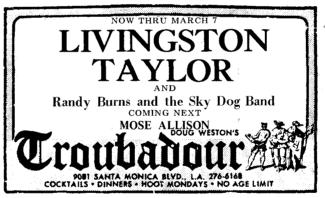
The current PASLA production, East of Jordan, is several orders of magnitude better than the bland sort of fare normally presented by small community theatres. This is no 97th revival of Arsenic and Old Lace, it is an extremely moving drama of Harlem in the late 1940's. The actors are not the egotistical bumblers associated with most community theatres, but rather are real people who feel the humor and pain of the men and women they portray.

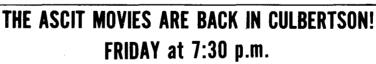
The play itself is the story of a middle-aged black man, a clothcutter in New York's garment district. All he wants out of life is to be able to finish his own practical version of a dream castle, a house he is building in Yonkers. All he needs is the money to pay a contractor to wire the house, but somehow the world just won't allow him that at any cost short of his

The other characters in the play are those found in any ghetto: the

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If you want to learn a little about the ghetto, or if you just like good plays, I strongly recommend East of Jordan. The PASLA Little Theatre is located at 8801 Vermont, in Los Angeles.

Nick Smith

Beckman

Continued from Page One

Local reading customs can drastically alter the meaning of a series of symbols if they are read in the wrong order.

But the great usefulness of symbols makes up for any failings. They provide a unifying factor and help to break down international language barriers. The more complete use of universal standardized symbols will help symplify today's complex world.

Next Monday at 8:30 p.m. Professor J. L. Beauchamp will give a talk at Beckman Auditorium entitled "Pass the Proton Please."

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CALIFORNIA TECH

Thursday, March 4, 1971 Volume LXXII

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Election Results

Continued from Page One
HC CHAIRMAN - Primary
Ron Horn 362 80.2%
Others 89 19.8%
TOTAL 451

Directors-at-Large - Primary

 Directors-at-Large
 - Primary

 John Kessides
 213
 26.2%

 Jim Price
 200
 24.6%

 Dave Peisner
 193
 23.8%

 Peter Davis
 158
 19.5%

 Others
 48
 5.9%

 TOTAL
 812

 Directors at-Large
 - Run-off

 Dave Peisner
 147
 35.9%

 Jim Price
 142
 34.7%

 Peter Davis
 121
 29.4%

 TOTAL
 410

Director of Stu	dent Life –	 Primar 		
Norris Krueger	319	72.8%		
Others	120	27.2%		
TOTAL	439			
BOC Secretary - Primary				
Russ McDuff	395	89.5%		
Others	46	10.5%		
TOTAL	441			
California Tech	Editors -	Primarv		

 Social Chairman
 — Run-off

 John Lehmann
 351
 76.2%

 NO
 109
 23.8%

 TOTAL
 460

 Activities
 Chairman
 — Run-off

 Lee
 Kondor
 322
 73.8%

 NO
 114
 26.2%

 TOTAL
 436

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Power of the Press Dept.

Physics 2 Hot New Issue

EDITORS' NOTE -- Our readers may remember that many of the candidates alluded unkindly to Physics 2 in their statements published in last week's issue. The immediate impact of those statements became evident when Dr. Rochus Vogt, currently lecturing that class, related some of his experiences in the aftermath of last

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week's statements in lecture on Monday. We are pleased to print his remarks, which are "excerpts from wires, telephone messages, etc. to Dr. Vogt."

From a highly placed CIT Source:

Source: Have you read today's California Tech?

Vogt: Why no, should I?
Source: You goddam better do.

Vogt: Why?

Source: Just open any page and you will know why! You've had the class for only three weeks, and already we are having a crisis.

At the dinner table:

Mrs. Vogt: You think it's really worth taking on the whole Sophomore class?

Dr. Vogt: Please, at least my family should stick with me-

remember, for better or worse....
Michelle Vogt (age 7): Papa, does

that mean you are gonna lose your job?

Dr. Vogt: Never fear, I can always go back to the steel mills.

Telephone conversation with a

chemist:
Chemist: You physicists will do anything to hog the news. How far

will you go to publicize that stupid Physics 2. Nobody ever mentions Chem 2.

Vogt: Go away, Harry. You bug me.

Then I received a telegram from Joe Rhodes:

Rhodes: Am returning to CIT immediately. With Ph2 unifying the student body for the first time, I have available a new political weapon.

I wired back: Don't count your chickens before they hatch.

Continued on Page Four

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Continued from Page Three

Then I got a call from the Campus Riot Committee:

Committee: Do you realize that we might have to put "Plan F" into

Vogt: What's "Plan F"? Committee: To sacrifice you.

Then Governor Reagan wired:

Reagan: National Guard has been act: alerted, at your disposal. Ph2 is true red, white, and blue!

Vogt: Please keep the guard; I feel much safer alone. Besides, you might need it at any moment yourself.

Then I got a telegram from a high Washington official:

Official: Let me make one thing perfectly clear. The Administration is deeply grateful that the pithy issue of Indochina has been replaced by Ph2 on your campus. Peace.

Vogt: -censored-

J. Edgar Hoover: Under the assumption that Ph2 is - like everything else - federally funded, I am sending in a team of hippie type

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Vogt: But how can I tell the agents from the students?

Hoover: The agents don't know any physics. Vogt: I repeat, how can I

And of course, Spiro got into the

Spiro: It is a most gratifying moment, now that the effete intellectual mob of radlib snobs is turning upon itself.

Vogt: Don't count your chickens...

And a parting shot from Chairman Bob:

Bob: Can't you do anything quietly?

Vogt: You know me chief. Some of us just have a natural charm.

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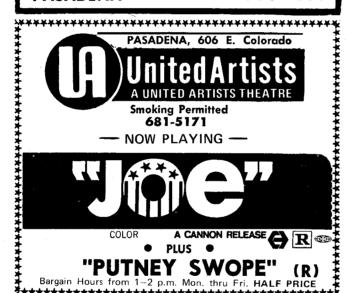
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SATURDAY -Toni Felice in her Lilly St. Cyr Bathtub Act

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