

A well known Diety
Recently remarked
In the Tech Office that

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Nixon's anti-inflation
Policy is like the
Jawbone of an ass.

Volume LXXII

Pasadena, California, Thursday, April 22, 1971

Number 25



Stephen Bechtel

photo by Fish

Bechtel Explains His Company's Aims, Goals

by Alex Seita

Steve Bechtel, Jr., gave a walk-in seminar on the operational aspects of concerns of his engineering-construction firm yesterday in Winnett Lounge. President of Bechtel Corporation, one of the largest firms of its kind in the world, and a Caltech trustee, Bechtel emphasized that a real engineer, unlike a student, needs to be a part of a team, thereby cooperating with people in attacking such problems as thermal pollution or urban

planning.

The philosophy of Bechtel Corp. is to provide a quality job using systems engineering to analyze a project considering factors of cost, needed engineers and materials, political pressures, and environmental concerns. Only after an overall evaluation is made does Bechtel proceed on a project.

Job Spectrum

An engineer, said Bechtel, should have opportunities to experience a spectrum of jobs suitable for his

discipline. For example, a civil engineer with Bechtel Corp. could work in the Power and Industrial, Mining and Metals, or other divisions in determining his niche within the corporation.

The responsibility for environmental problems caused by industry is unequivocally recognized by Bechtel Corp. While Bechtel urged rigorous laws against pollution by industry, he also emphasized that the need for massive public and governmental support in obtaining effective pollution safeguards.

BART Gets Around

One of the major projects now being undertaken by Bechtel Corp. is BART, the Bay Area Rapid

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Me and My Aero

Divide and Conquer

by Paul Levin

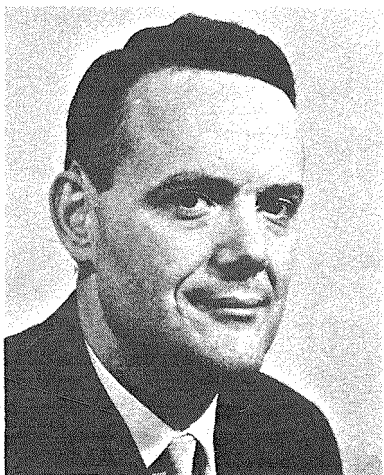
Dr. Ward Edwards continued the Systems Engineering seminar series Tuesday evening by discussing methods by which one could narrow down a decision. Dr. Edwards, Head of the Engineering Psychology Laboratory at the University of Michigan, stated that diagnosis, "figuring out what's going on in your environment in light of insufficient data," is the most common method.

He felt that diagnostic decision-making was best accomplished by breaking up a task into pieces, making separate judgments on each piece, and then re-aggregating the pieces. The last step has proved to be the trouble-maker.

For some reason people do not glean all of the possible information from some given pieces of data. If you are presented a bag of poker chips and told that it contains either 70 red and 30 blue or 30 red and 70 blue, you would conclude that the probability of receiving the bag with 70 red chips is 0.50. If you draw out a sample (with replacement after each chip is drawn) of 8 red and 4 blue, now what do you *think* is the probability that you had the bag with the 70 red chips?

We Are All Conservatives!

Probability (Bayes' Theorem)



Dr. Ward Edwards

says that the new guess should be in excess of 0.95! Almost no one will guess that high; people re-aggregate data rather conservatively. Dr. Edwards thought this might arise because people use the wrong rule.

This does not mean that people should stay out of decision-making; it just means that they should not do the entire job themselves. Bayes' Theorem, the computation of new odds on the basis of the old ones and the likelihood of another event, can be done rather easily on a computer. People must still be on hand to determine the likelihoods of the events and the initial odds,

Continued on Page Six

Women for Social and Political Action Study Differences in Food Prices

On Saturday, March 6, Women for Social and Political Action conducted a price survey in thirty-seven Pasadena and Altadena food stores. The survey was confined to a wide selection of staples ranging from baby food to coffee, several dairy products, delicatessen items, and frozen foods. We did not attempt to compare the price of meat or produce (except for Romaine lettuce) because of the potentially greater variability of quality.

In each store the survey takers were asked to price forty-three items, first for a particular brand (e.g. fruit cocktail, 10 oz. Del Monte) and then for the cheapest brand available for the given item. Thus for each store two totals should have emerged: (1) the total price for specified brand-name items in the particular store and (2) the total price for the cheapest brands available for the same items in that store. However, in many of the smaller markets a number of the brand-name items that we had specified were not available. Thus, for these stores we were unable to compute a brand-name total and to include them in our price chart.

Within the larger chains, Market Basket, Pantry, Safeway, and Alpha Beta, all stores in the area were surveyed to see whether or not

there was a substantial price variation from store to store within the same chain. We discovered that although there were variations (e.g. brand-name totals for Pantry ranged from \$18.67 to \$18.90), they were slight enough to allow us to treat each chain as a unit with respect to prices. Most of the larger markets and some of the smaller ones contained all of the brand-name items that were priced. In the three instances in which items were not available in a particular store the average price of that item at the ten other stores was substituted.

The stores for which we were able to complete our survey, eleven in all including the "consolidated" chains, generally fell into two major price ranges. One group which included Alpha Beta, Albertson's, Ralph's, Lucky and Safeway, was priced between \$17.47 and \$17.80 for the brand-name items. In contrast to this lower priced group were those stores which ranged in price from \$18.86 to \$19.43 for the same brand-name items: Shopping Bag, Pantry, El Rancho, Gertman's and Food Box. Market Basket at \$18.11 for the brand-name items fell between these two major groups.

"Cheapest" totals for each store were obtained by determining the cost of the cheapest items comparable in size to the brand-name items. In those instances where the

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Math Trolls Win Research Awards For Summer Work

by Richard A. Dean

The Mathematics Department is pleased to announce the winners of awards to support undergraduate research in mathematics during the coming summer. The awards were made on the basis of proposals for research submitted to the Mathematics Department which were judged by a panel of the mathematics staff.

Those receiving awards together with their field of research are: Tav Heistand (Jr), polynomial interpolation; Bruce Reznick (So), functional equations; Neil Risch (Jr), combinatorial analysis; Jeff Ross (Jr), logic; Dan Rudolph (Jr), Galois theory and measure theory; Dave Smith (Jr) and Randy Tuler (Sr), a joint project in algebraic number theory.

Members of the mathematics staff who will supervise these research projects include Gaier, Luxemburg, Ryser, Sampson, Dean, and Kisilevsky.

The entire project is jointly supported by the National Science Foundation and Caltech. The NSF provides living expenses for the students and other general expenses while Caltech gives an additional stipend and office space in Sloan.

News Briefs

Totem is Coming to Tech

Caltech's literary magazine, *The Totem*, will be out sometime within the next few days. ASCIT members who signed up to receive copies will receive them through the campus mail; other ASCIT members who wish copies but did not sign up should do so in Louise Hood's office in Winnett Center by Tuesday, April 27.

Copies will be available in the bookstore for \$.50. Subscriptions are \$2.00 for six issues, and should be directed to *Totem*, care of the Tech office.

Any persons wishing to submit material for the second issue, to come out in a month, should do so as soon as possible. Send to Philip Massey, at Ruddock House, or drop the material at the Tech.

one of their most successful Caltech Blood Drives in history. Nearly 180 pints were collected. Later, that night, Dave Eyer won the Hertz Rent-A-Car for a weekend in a raffle among the undergraduate blood donors.

New York Poet To Visit Tech

Armand Schwerner, well-known New York poet, will give a reading of his own poetry on Wednesday evening, April 28, in Winnett Lounge at 7:30 p.m. He, Robert Kelly, Diane Wakoski, and Clayton Eshleman are all from the same school of poetry, and students are urged to attend the Wednesday evening reading.

Pre-Med Advisory Committee Formed

If you are interested in applying

to medical school, see or call a member of the Pre-Medical Advisory Committee. They include Dr. L.E. Hood (59 Church, extension 2407 or 2408) and B.H. McFarland (16 Noyes, extension 2522.)

Glee Club Opens Festival, Dance to ASCIT Members

This Saturday the Caltech Glee Club will host the Pacific Southwest Intercollegiate Choral Association Festival. The program, beginning at 7:30 p.m. in Beckman, will feature the singing of twelve choral groups. ASCIT members who present their cards at the door will be admitted on a space-available basis. In addition, the dance following the festival will be open to ASCIT members.

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Committee Comitted



THE COMMITTEE, a satirical revue group from San Francisco, preformed at Beckman Auditorium last Thursday and Friday nights. The highlight of the second performance was a skit in which it was suggested that the best use for "three red Physics books" would be to laquer them and place them in toilet tanks to help conserve water.

Caltech Blood Bath—22½ Gallons

Last Friday, the Red Cross held

Editorials

Protect People, Not Files

For decades before the advent of the electronic stored-program computer, files have been kept on individuals. Some can be regarded as social conveniences, even necessities [where would we be without real estate records, for example? Would you want to buy a house if the seller couldn't be sure that the property was free of claims on it?]. Others must be regarded as affronts to the privacy requisitely the prerogative of members of a supposedly free society.

The computer does not raise the issue of keeping files on people, since the practice antedates the innocent number-grinder. However, the orders of magnitude increases in speed and volume of data storage and retrieval makes the issue of what sort of files may be kept, and how keepers should be regulated one of paramount importance.

The computer has already found its way into the every-day life of the average American. He buys tickets to sporting and theatrical events from one, banks with another, rents a car from a third, reserves space on a flight to New York on a fourth, and sells over-the-counter stocks with the aid of a fifth. The improvement in speed and efficiency makes for good business.

However, he is frustrated by botched billings, and in some cases, denied credit and even employment simply because of errors in data recorded which no one seems willing to correct. The casual snooper can often obtain his credit record, political party affiliation, traffic record, and the like with little trouble.

We have all heard of cases of people denied jobs because of the contents of reports they are never allowed to see. No defense can be had against the growing legion of credit rating bureaus and background investigators, whose information is frequently incomplete, and sometimes completely erroneous.

If any practice merits the label "Un-American," the keeping of secret files on citizens does.

Some sort of controls must be imposed on the keeping of data on individuals to prevent abuses. The keeping of secret files on citizens, no matter how innocuous the contents, cannot be countenanced in a free society. Such files should be forbidden absolutely to all: military, government, and private institutions alike. But this represents only a start on a set of standards.

Any individual must have the right to know the full and exact contents of any file kept on him, producible on his demand. The individual must have means to insure the correction of erroneous and possibly damaging information. And the individual must have recourse to swift and strict justice where his privacy has been violated by file-keeping.

These would constitute minimum safeguards on any file, no matter how it is kept. Whether index cards in a drawer or a sequence of bits on a disk volume, information on individuals [such as medical histories] can be life savers in the right hands. They can also be freedom-wreckers in the wrong ones.

Ping-Pong Diplomacy

Recent efforts to improve diplomatic relationships between the United States and China [anything would be an improvement] have come under fire from several sources, some predictable, some somewhat unexpected. The Soviets have reasons of their own, in part historical, to distrust any implication of friendliness between the United States and China. Chaiing took the action as an affront to his government, which still claims to be the legitimate government of the mainland, despite twenty-three years of exile.

Vice President Agnew, quoted "off the record" [can anyone say anything "off the record" anymore and not find it all over the front pages?], said that looking friendly with mainland

Continued on Page Six

Academic Affairs Report

Physics Revision Plan Explained

Sharon Long, ASCIT Director of Academic Affairs, begins a series of articles on current academic policy issues with this article explaining the Physics Department's plan to bifurcate Physics 1 and 2. Future articles will cover Caltech's various exchange programs.

Although some students may not be aware of it, the Physics department at Caltech has been dissatisfied with Physics 1 and 2 for some time. A subset of the faculty, the Physics Undergraduate Committee, has considered the many problems of these courses—one of the biggest ones is the diversity of the students who are enrolled and has come up with proposals to deal with them.

One of the original proposals was to split each of these two courses into four or five sections, each of which would have its own lecturer

and text. The structure and emphasis would vary from section to section. This set-up might be ideal for the kind of student body we have; however, the limited number of faculty available made this program impossible.

A compromise proposal has been made and approved unanimously by the Physics faculty. (Further approval by the Institute Curriculum committee and the Faculty Board is necessary, and approval of the entire faculty may be asked also). The proposal is as follows: Physics 1 and Physics 2 will each be divided into two sections, A and B. Section A will be new, with different texts and a different, less abstract emphasis than the Feynman courses, which will be retained as section B. The texts currently planned for use in section A are, for the freshman course and for the E&M section of the sophomore course, Halliday and Resnick *Physics*; the fourth volume of the Berkeley text, Wichmann *Quantum Physics* will be used for the units on Q.M.

An interesting possible change in the section B curriculum is the tentative replacement of part of *Feynman Lectures* volume II by Berkeley Physics volume 2, Purcell *Electricity and Magnetism*. Part of Feynman II may be used second term and Feynman III will be used for all of quantum mechanics.

Dr. Rochus Vogt, chairman of the Physics Undergraduate Committee, emphasized that section A is not a "home-economics" course. It will contain as good Physics as the traditional (?) Feynman course. However, it will be presented on a less abstract level. The texts will be more self-explanatory and there will probably be fewer lectures and more recitations. The Physics department has enough confidence in the new course that it will allow Physics major to take either section. It is felt that some students will learn more physics from the new course that they would from Feynman, while many will still want to learn physics in the very abstract and mathematical Feynman Way, and that a student who does well in either section of Physics 1 and 2 will be able to go on to junior level Physics courses with only the usual amount of difficulty.

A poll will be sent around to all freshmen and sophomores asking what their choice will, or would, be between section A and B; the main purpose is to help the Physics faculty get prepared for next year. Student ideas and assistance may also be needed in talking to faculty members of other departments and convincing of the advantages of the restructured physics courses. Anyone who would like to help with this or get more information can get in touch with me at Room 40 Blacker or campus extension 1650.

Sharon Long
ASCIT Director of Academic Affairs

Throop Beat

Pass-Fail Extension Debate

by millikan troll

Informal discussions held recently may portend setbacks for the forces of the Almighty G.P.A. Extension of Pass-Fail grading to such upperclass requirements as Physics 2 and Math 2 met with considerable enthusiasm when proposed. One suggestion would go so far as to make all Institute required courses Pass-Fail.

The APC's proposal for adding the grade of "Honors" to those of pass and fail seemed to have a cooler reception. One person commented that such a move would be the first step towards the sort of nonsense which may be found at Yale. Yale's "Pass-Fail System" includes the grades of Honors, High Pass, Pass, Low Pass, and Fail.

Credit Where Credit's Due

The APC's proposal to make F's erasable also met with a measure of enthusiasm. To review, under certain conditions, the proposal states, all record of having failed a course would be removed from any permanent record. However, a faction exists which favors carrying that idea to its logical conclusion: Credit/No Credit grading.

Who knows what may become of all of this discussion? (The Shadow

do-- but he's not telling).

Top of the Week

Senator Cranston will be visiting campus around May 24th. ... The Genial Dean will say farewell to Arden House in a Giant Extravaganza coming up Saturday, May 1. BYOM (Bring Your Own Mug). ... Kudos to Social Chairman John Lehmann for a fine job on last Saturday's Party-Party.

The California State Legislature approved the federal eighteen-year-old vote amendment Monday. As we go to press, 20 states have approved the amendment (38 states must approve for the amendment to take effect). The measure had passed by 94-0 in the Senate and 400-19 in the House of Representatives before being sent to the states.

Etaoin Shrdlu

This week's winners of the much coveted Etaoin Shrdlu Award for opening mouth to change feet goes to Spiro Agnew for suffering a propaganda defeat at the hands of the Red Chinese and their ping-pong diplomacy. Second place goes to the Academy of Motion Picture Arts and Sciences suffering a propaganda defeat at the hands of George C. Scott.

THE ASCIT FRIDAY NIGHT MOVIE
THIS WEEK:

100 RIFLES
Starring RAQUEL WELCH
Rated R
7:30 p.m. and 9:30 p.m. in Culbertson
Admission 50¢

NEXT WEEK:

THE MOLLY MAGUIRES

The CALIFORNIA Tech

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The Third Wing

Confessions of a Paper Dragon

Nick Smith

**EXCLUSIVE**

Seeing is Believing!

I understand there is no obligation.

Find yourself in the United States Air Force

AFROTC Holds Seminars On Air Force Careers

by David Turner

This past Tuesday in the Noyes Lecture Hall, your friendly local Air Force ROTC detachment presented the second of a series of seminars designed to inform the Caltech community of the opportunities for rewarding careers in science and engineering as an officer in the United States Air Force. The guest speaker was Capt. David Sherlock of the Air Force Satellite Control Facility, Systems Command, located at the Los Angeles Air Station. As some readers may be aware, Capt. Sherlock graduated from Caltech in 1966 with his B.S. in electrical engineering and simultaneously received a commission through the AFROTC program located on this campus.

Having been on active duty somewhat less than five years, Captain Sherlock has enjoyed a range of assignments that have very closely matched his own academic and professional interests. After an initial two-week stint in Hawaii right after entering into active duty status, he was transferred to the Sunnyvale Satellite control facility up near San Francisco. Four years later he found himself here in Los Angeles. His current work centers around the tracking and information-gathering functions connected with the earth satellite program. As an advanced planner, he is responsible for determining the feasibility of particular earth satellite systems. For instance, instead of the current ground-satellite-ground communications satellite system, other possibilities include ground-satellite-satellite-ground communications and controlling certain satellites with aid of other satellites. To be sure, these latter possibilities involve advanced technologies, beyond what is currently available. . . The stress in Captain Sherlock's presentation was on the challenging nature of his work and its potential for academic fulfillment. He provided examples of the responsibilities he encountered in his work by mentioning that

when he first entered into active duty, he had twelve people working under him. Currently, he is intending to make a career of his work in the Air Force and is presently pursuing a master's degree.

The second Air Force officer to present a seminar on campus this year, Captain Sherlock was preceded by Lt. David Rice of the Air Force Materials Laboratory in the first seminar last term. Anyone interested in obtaining further information on career opportunities in science and engineering in the USAF is cordially invited to visit at the AFROTC detachment headquarters next to the coffeehouse.

This is *space filler*. It is used by the *Tech* staff to fill empty space; that is, space that was not filled by some article. Isn't space filler stupid? Isn't this paragraph stupid? Why not do something about it? **WRITE FOR THE TECH!**



Jean-Claude Brially stars in Eric Rohmer's latest film *Claire's Knee*, which has just been released.

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The Germans Call Him The Percussion Animal



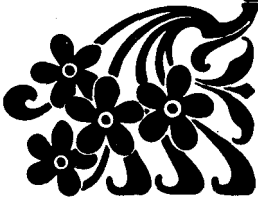
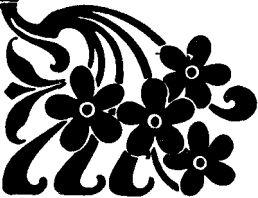
Stomu Yamash'ta

Plays at the
Los Angeles Philharmonic's
Adventures for the
Curious Ear

CONTEMPO 71

Sunday, May 2, Tuesday, May 4, 8:30
Tickets \$2-\$6, Music Center Box
Office, 626-7211, most agencies.
Students \$2 best available seat.

MUSIC CENTER
AHMANSON
THEATRE



Page and Fleming To Meet in IH Bridge Finals

by Charles Johnson

In the semi-finals of this year's inter-house bridge finals, Fleming and Page came out on top in their 28 hand matches. Page house, the defending champion, upset seeded Dabney House by 42 International Match Points when Dabney failed to reach some game contracts which were bid and made at the other table. In the other half of the bracket, number one seeded Fleming House over-powered Blacker House by 47 IMPs in a match with surprisingly many errors on both sides. But Fleming had the better of the game swings while Blacker missed a slam to account for most of the margin.

Thus Fleming meets Page in the final match which began last and will continue next Wednesday evening in club room one. A total of 56 hands will be played at IMPs in the two day contest to determine the winner.



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By
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O'Neill
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The Critical Ear



Johnny Winter and LiveColumbia C30475

This album is made up of Winter's versions of some old time favorites. Some of the songs that he does on the album are Jumpin Jack Flash, Whole Lotta Shakin goin' on and Johnny B. Goode. The way they are done by Winter's brings out a new dimension to these songs, revealing their hard rock potential in a new and interesting light. This album is a worthwhile investment for anyone that is turned on to hard rock.

Blackstone Epic E30470

This is a group with great potential because of their ability to diversify the style of their music. They can start with hard beat, play it well, then switch to a medium or slow song without sacrificing the quality of their music. This album is worth having, but don't take my word for it, listen to them yourself.

Love it to DeathAlice Cooper, Straight WS1883

It's hard to put into words how an Alice Cooper album sounds. This album is no exception. It's worth listening to, if you can dig it-then buy it.

Kenny Rogers and The First Edition Greatest Hits, Reprise RS8437

This album contains some really fine big name songs made famous by the First Edition. Songs include Ruby Don't Take Your Love to Town, Somethings Burning, Just Dropped In, and Tell It All Brother. Any album with this many top hits can't be all bad, unless you already own the hits or dislike them.

Cheapo Cheapo Productions presents Real Live John Sebastian Reprise 2036

This album is a collection of songs that were recorded at performances given in California. The

songs are generally from the recent past, many of the songs made famous by The Lovin' Spoonful. Other songs date back to the Presley era. The album is a beautiful survey of where rock music has been at. This album is definitely a worthwhile investment for anyone that ever (and who doesn't) feels like listening to those olden goldies from the good old days.

John Tristano

range from perfect parodies of Nixon and William F. Buckley to a very poor imitation of Spiro Agnew's prolific palate. Special credit should go to the supporting cast, especially Bryna Raeburn for her hilarious Martha Mitchell. While the material is not on par with the routines in *I am the President* it provides excellent entertainment for those rad-libs willing to hear such treason.

Design; Design; Epic E30224.

No one knows much about this group of young British musicians, and the cover blurb doesn't exactly help much. Whatever they are, they play well and simply, and their original compositions are excellent. Their songs seem derived fromthe English folk tradition with just enough rock infused to give them a modern touch. While none of the songs are of "hit" quality, they are extremely enjoyable and I look forward to what this group will produce in the future.

Radio Free Nixon; David Frye, Electra 74085

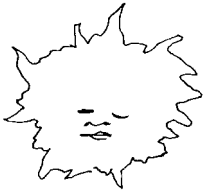
David Frye is perhaps the best known impressionist in the United States today. His silvered tongue and rubber face have alternately pleased and angered those whom he has imitated as well as audiences throughout the country.

In Radio Free Nixon, he takes another wilting jab at our dearly beloved President. The impressions

Pacheco & Alexander; Tom Pacheco and Sharon Alexander, Columbia C 30509.

This duo is to be commended for playing only its own original material. Unfortunately, this also presents a small problem-Tom Pacheco can't write that well:his lyrics end up sounding like senile Dylan. Not that the music is bad; their singing is fine and some of their songs such as "White Buffalo" have a good deal of merit. But overall, the album is a disappointment, it's pleasant enough listening, but there is nothing there that the listener wants to hear over and over for the sheer joy of it.

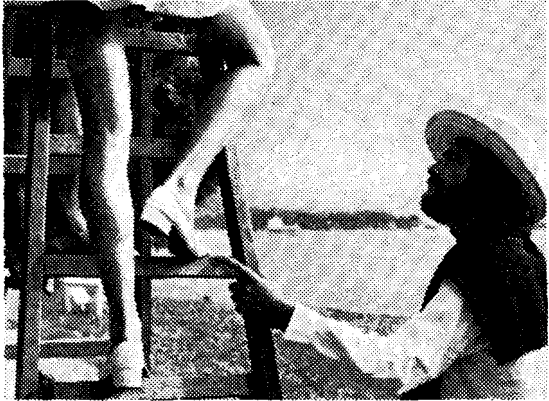
Peter Beckman



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of film!"—ANDREW SARRIS, *The Village Voice*

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attempt to describe it must, I think,
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—VINCENT CANBY, *New York Times*

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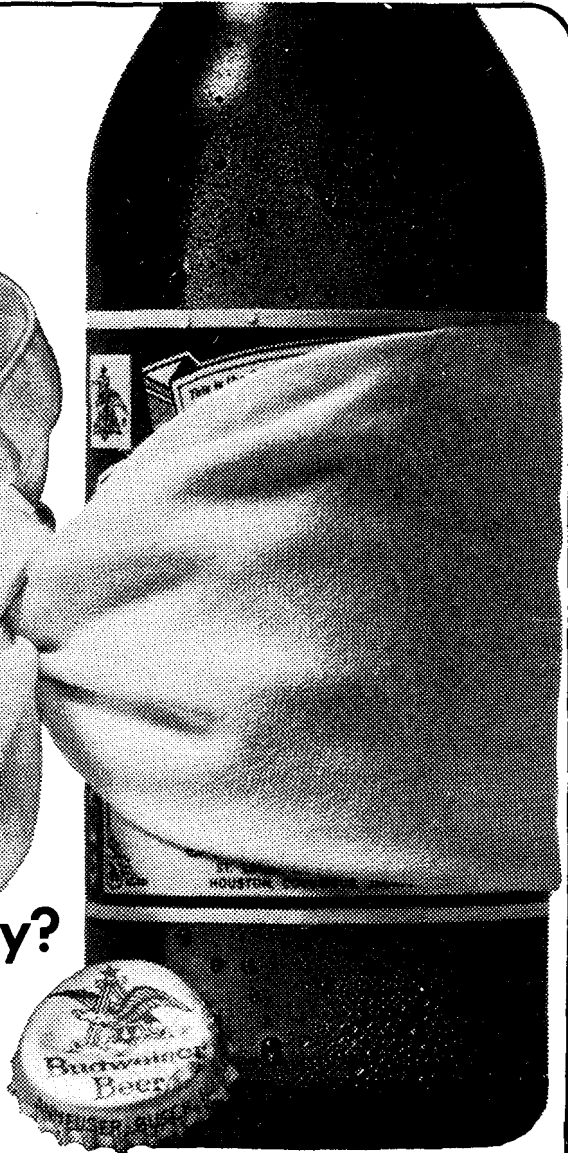
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THE PERFECT EXAMPLE OF THE INTRICACIES BROUGHT TO THE KISS BY SOCIETY IS THE HAND KISS. POST WWII COMMUNISTS DECLARED THE PRACTICE A "CAPITALIST HANGOVER." RUSSIA HAD OUTLAWED IT IN 1924, YET TODAY IT IS FREQUENTLY SEEN ON SOVIET TV.

Bechtel

Continued from Page One

Transit System, to be build around San Francisco. In this design, unique in the United States, mono-rail-like structures together with subways through earth and sea will provide quick, dependable transportation for three counties, with opportunities for extending services to other areas. With BART, passengers will coast at a peak of 80 miles per hour, averaging 50 miles per hour [counting stops]. In addition, computerized ticket counters will charge a rider for the exact distance traveled. This plan, first conceived in 1951 and approved by the voters in 1962, will approach completion next year. Thus, a great time lag can exist between visualizing a project and finishing it.

Bechtel Corp. today serves countries throughout the world, from Libya to Venezuala. With foreign countries accounting for half of the business of Bechtel Corp., it stands as an international firm engaged in varied projects from building pipelines to ship docks to nuclear power plants.

Challenge

Steve Bechtel made it clear that the engineering-construction business provides challange and excitement for today's engineers as they confront the problems of tomorrow, including getting oil from Alaskan deposits, building non-polluting power plants, and mass transportation systems.

Aero 241

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tasks for which they are well suited. What can this do for us? In one test analysts were were given individual pieces of data that were available prior to the Cuban Missle crisis, and were asked to give a likelihood that missiles were being sent from Russia to Cuba. The computer aggregation of the probability, admittedly hind-sight, indicated that we should have known about these missiles almost three months earlier than we did in 1962. A control group, always something of doubtful validity according to Dr. Edwards, aggregated the odds themselves and came to the same conclusion, though much more slowly.

Further testing is being carried on now to see how this might be applied to national security, business decisions, and weather forecasting.

Divide and Conquer

Subjective judgment and objective aggregation, Dr. Edwards concluded, could help us reach better decisions and to reach them faster.

Next week Dr. William Pickering, Director of JPL, will discuss "Systems Engineering at the Jet Propulsion Laboratory."

Editorials

Continued from Page Two

China decreases the credibility of the claims of Chaing's regime, and somehow represents a "propaganda defeat for the United States."

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But in other circles, admission of reality seems to be tantamount. The Communist government of mainland China has lasted for twenty-three years, and seems likely to continue in power for a long time to come. That government has both tremendous human resources [in excess of 800,000,000 of them] and tremendous influence on events in a large part of the world.

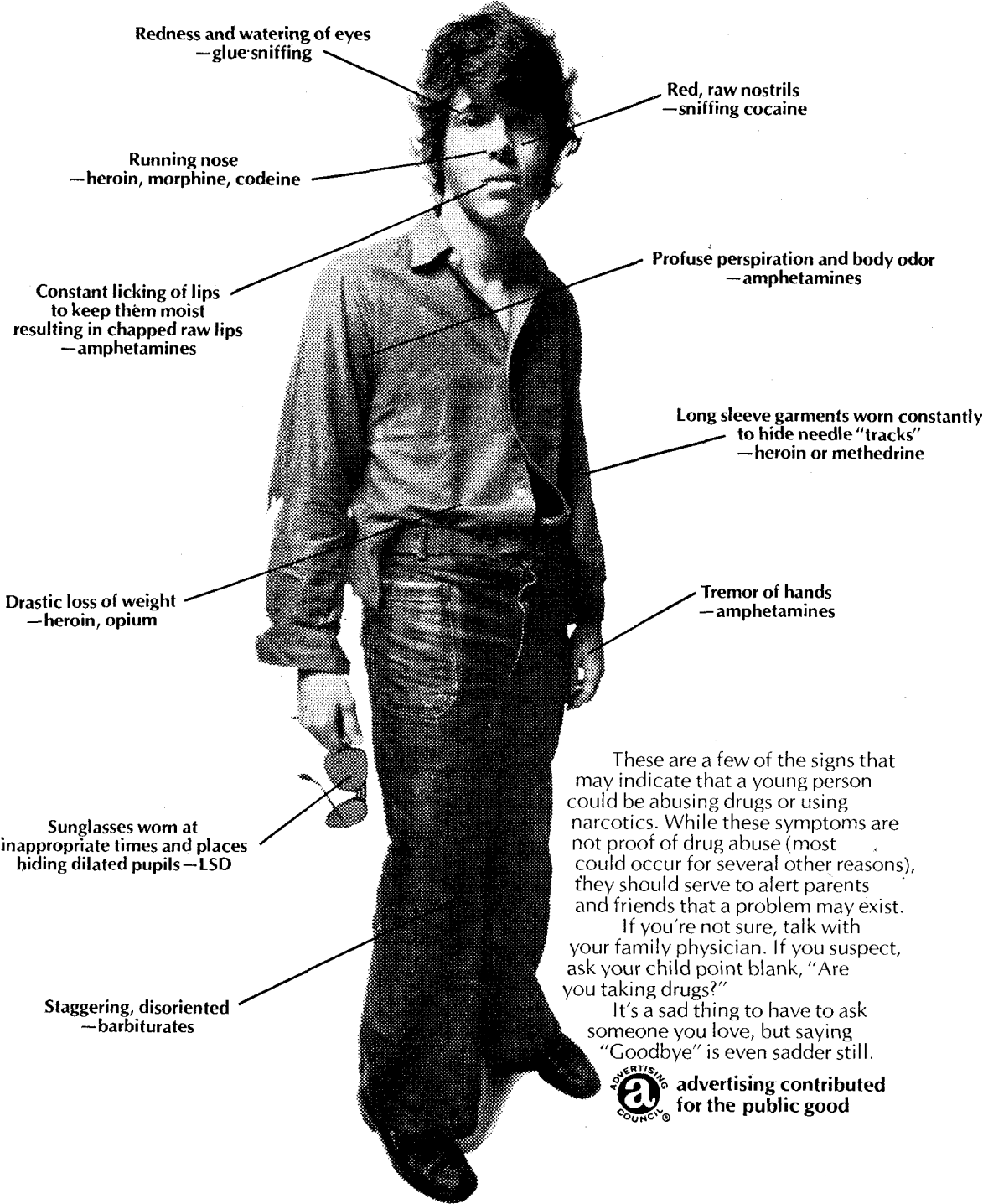
That the interests of that government and our own frequently collide should not preclude a modicum of civility between the governments. After all, we have had both severe differences and diplomatic relations with the Soviet Union for quite some time, and diplomacy has never compromised firmness over differences.

So we therefore applaud efforts to deal with China as a national entity on the same basis as any other. Both countries can benefit from a relaxation of hard-line attitudes which may never have served any useful purpose anyhow.

However, we also should not forget that China is both a competetor and an enemy in many areas. But, viewed with a proper mixture of hope and cynicism, the recent trend in Sino-American relations can do no harm, and possibly some good.

-Philip M. Neches
-Peter W. Beckman
-Paul A. Levin

Diagram of a
drug abuser



These are a few of the signs that may indicate that a young person could be abusing drugs or using narcotics. While these symptoms are not proof of drug abuse (most could occur for several other reasons), they should serve to alert parents and friends that a problem may exist.

If you're not sure, talk with your family physician. If you suspect, ask your child point blank, "Are you taking drugs?"

It's a sad thing to have to ask someone you love, but saying "Goodbye" is even sadder still.

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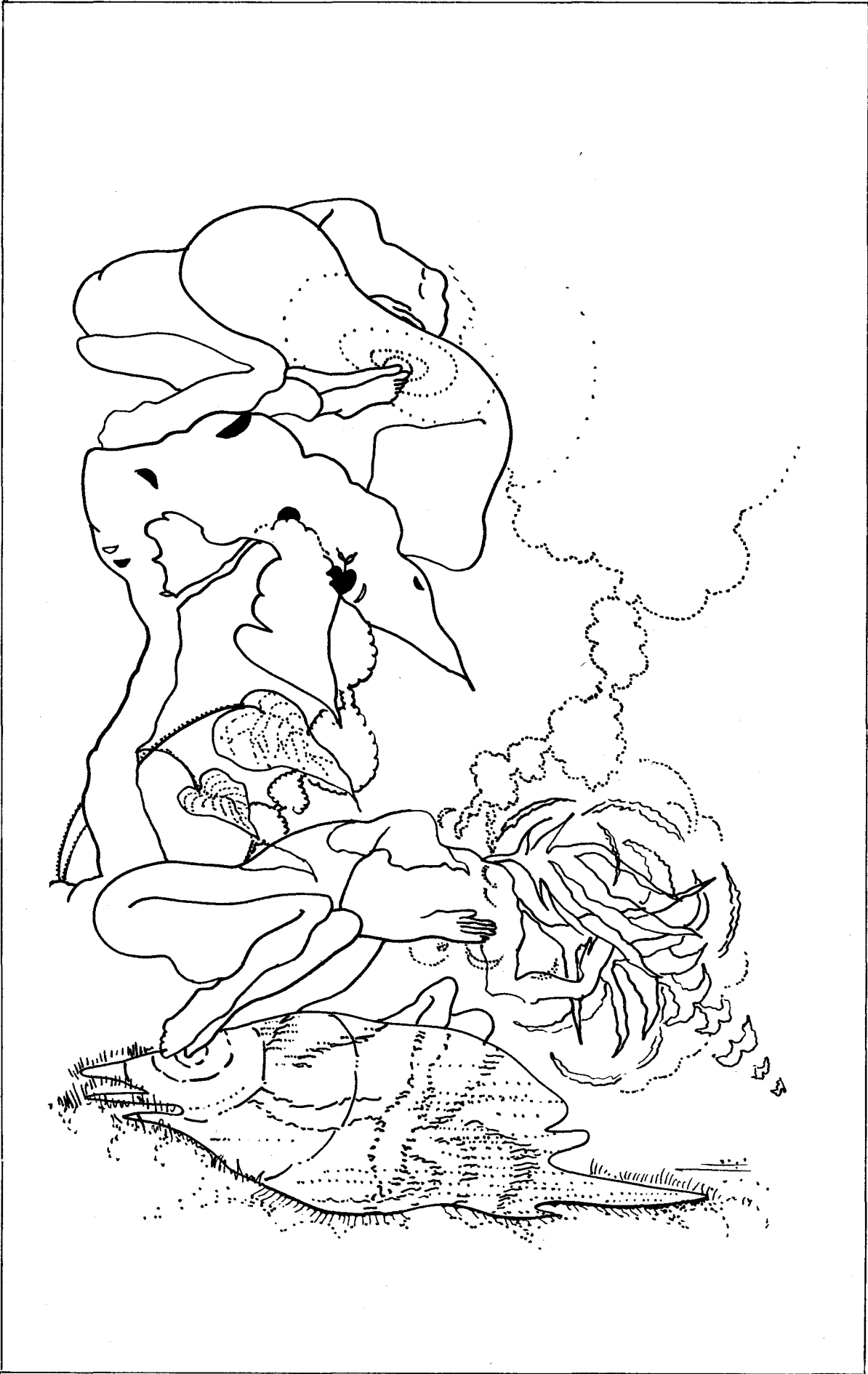
SPORTS!

Runner Smith 61st of
1100 in Boston Marathon

Martin Smith, a Fleming House senior, came in 61st out of eleven hundred starters in Monday's Boston Marathon with a time of 2:39:04. The grueling 26 mile run through the heart of Boston's metropolitan area attracts many of the nation's finest athletes.

This year's race was held in coolish, partly cloudy weather, and the participants had to contend with a head wind almost all the way.

The winner was Alvero Mejia of Colombia with a time of 2:18:45. He was followed only five seconds later by Pat McMahon, the original favorite to win. The first Californian in was Byron who came in fifth (2:23:20), while Martins Anze, a Nigerian student at Oxy came in sixteenth (2:28:27).



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Market Survey

Continued from Page One

cheapest brand was not available in the same size requested for the brand-name, but was available in a close size (e.g. 12 oz. rather than 10 oz.) we determined what the cheapest brand cost per oz. (the unit price) and "converted" it to the size of the brand-name item in order to keep our two sets of items comparable with respect to size. In only one store, Alpha Beta, was the total under \$15.00. Six stores, Safeway, Albertson's, Ralph's, Lucky, Market Basket and Shopping Bag were between \$15.00 and \$16.00, while totals for Pantry, Gertmenian's, El Rancho and Food Box lay between \$26.60 and \$18.25.

It should be noted that we did not attempt to compare the cleanliness of the stores surveyed nor the freshness of the merchandise which conceivably could vary greatly from store to store even within a particular chain. Clearly quality may differ greatly from brand to brand and such possible differences should be kept in mind by the shopper.

Other observations made during the survey were:

(1). In some markets many of the items surveyed had no prices stamped on them, while in other stores the price on the shelf marker differed from the price stamped on the item. In other instances the same item in the same store was

available at varying prices. Shoppers should be careful to always ascertain the price of an item, and in cases where more than one price is given to pick the lowest priced item.

(2). Products appear in such a confusing array of sizes that it is difficult for even the careful shopper to determine the "best buy" in price. Hopefully other stores will soon follow Ralph's lead and institute unit-pricing.

(3). Although those stores that offered trading stamps (Germanian's, Pantry, El Rancho, and Shopping Bag) are offering a "little extra" to the customer, it should be noted that none of the less expensive stores offered stamps. It is up to the shopper to decide whether trading stamps are worth the higher price.

(4). Some stores had long hours of business—a convenience factor which should be noted.

Store	Brand-Name Total	Cheapest Total
Alpha Beta	\$17.47	\$14.74
Albertson's	17.57	15.08
Ralph's	17.61	15.31
Lucky	17.78	15.46
Safeway	17.79	15.03
Market Basket	18.11	15.66
Shopping Bag	18.86	15.92
Pantry	18.91	16.67
El Rancho	19.02	17.86
Gertmenian's	19.18	17.83
Food Box	19.43	18.25

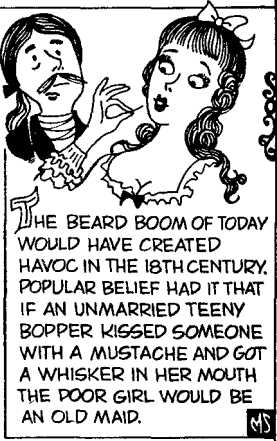
Schools Fail

Continued from Page Three

absolute truisms then they are inimical to children learning. Unfortunately, many teachers and administrators are only too eager to believe these myths without scrutinizing them as an educated person would.

Apropos to his talk, Browne closed by proposing the implementation of a new school structure, one that would provide for students in independent studies (modular system), few rules (only necessary ones) and teachers personally associated with students.

At the beginning of his discussion as well as at the end, Lee Browne was friendly and moderate looking in delivering his arguments, but the direction of his ideas was clear; here was a man angry at today's educators for perpetuating low grade education.



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News Briefs

Continued from Page One

Wreck Your Car; Win a Stereo

A vehicle decorating contest sponsored by Dow Sound City, a subsidiary of Milo Electronics, Inc., starts Thursday, April 15th and ends Sunday May 16th, when the best adorned "moveable" is judged. Each entry will receive wildly colorful Sound Freak stickers with which to decorate his car, van etc. Best decorated wins a Sylvania stereo console worth several hundred dollars.

Throop Memorial Church Celebrates 85 Anniversary

Throop Memorial Church is celebrating its eighty-fifth anniversary this weekend. There will be a flea market Saturday starting at 10 AM with an auction of many unusual items that afternoon. The Sunday service will feature a "happening" with dancers directed by Pat Finot. Sunday afternoon a play, *The Monster and the Morning Star*, will be put on. Persons attending the festival are requested to wear futuristic costumes.

An Answer to Food Service: Grow It Yourself!

All are welcome to the Organic Gardening and Natural Food Preparation classes today at 3:30 in Winnett Clubroom 2. As a "whole systems" approach to food, the classes emphasize thinking and acting in complete cycles.

The gardening, taught by Richard White, will cover compost, mulching, natural pest control, and a variety of other equally interesting topics. Food preparation information part will unfold around actual dishes, prepared and eaten on the spot.

San Francisco Here We Come

There is still room on the bus the Y has chartered for the San Francisco rally. The bus leaves at 8:00 p.m. Friday and returns to campus early Sunday. Sign up in the Y office in Winnett.

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Record Library Proliferating

The Record Library now boasts a collection of 75 albums. New members are always welcome [see the Y if interested].

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