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More Students and Less Faculty Cause Problems In Engineering

By BILL CROWLEY

Nexus Staff Writer
UCSB's College of Engineering has experienced a noticeable crowding problem this year as increasing enrollment and a decline in numbers of teachers recently forced the school to sharply limit advanced standing and undeclared students for next

John E. Myers, dean of the college, said recently the college has already received a flood of applications for next fall and therefore has not been accepting

In addition, the college has not."

begun strict procedures regarding undeclared engineering students.

"As of now we are not accepting any more applicants to undeclared positions in engineering," Myers

He added that "right now there are only 20 to 30 undeclared students in engineering and we are encouraging them to decide quickly on a specific major, so they won't find themselves unable to get into the major they decide on."

Therefore, the college "can't even consider any undeclared engineering applicants (for next year) whether they're qualified or

Industry Demanding Engineering Increase

By BILL CROWLEY **Nexus Staff Writer**

enrollment at UCSB's College of Engineering reflects a nationwide trend and comes at a time when

News Analysis

schools across the country are suddenly seeing a rapid decrease in available qualified engineering instructors.

At UCSB, 1,715 students enrolled in the College of Engineering last Fall quarter, an increase of 272 students from last year's figures.

On a nationwide level, the number of engineering undergraduates in the United States has increased to 365,117 over the past 10 years, and shows no sign of leveling off.

Most analysts point to the upward surge of technological industries in the past decade as the reason for the increase in nationwide engineering enrollment. Indeed, the Los Angeles Times reported industry's demand will exceed the number of available engineers by 25,000 a year until 1985. Accordingly, some employers spend as much as \$80,000 in travel expenses, recruiter fees and special bonuses for a single engineer, the Times

Not only are businesses hiring virtually all graduating engineering students, but they have also begun to step up their recruitment of college professors.

The Times reported that the number of full-time engineering This year's increasing professors has fallen by 2,500 or about 15 percent in the last five years. The American Council on Education stated in a recent report that in the fall of 1980, 10 percent of the 16,200 engineering faculty positions in the 244 engineering schools in the U.S. were vacant, and the number is still growing.

UCSB's College of Engineering is suffering from similar decreases in the number of faculty. In 1975, (Please turn to p.3, col.1)

Last fall, enrollment in the college totaled 1,443 students, but this year's total rose to 1,582 students officially enrolled. In addition, by the end of the quarter, the number actually climbed to because some students enrolled after official packet registration for the quarter had been counted, Myers explained. Sanjit K. Mitra, Professor and

Chair of Electrical Engineering, noted that he and other teachers are having to deal with larger class sizes and a smaller faculty.

"Most labs, which up until a few years ago had one or two students to a bench, now have three or four. This makes the class less competitive, since students can more easily copy results," he said.

This year, there has been a substantial rise in students enrolled in Electrical Engineering. The college enrolled 416 E.E. students last fall, while during last quarter 590 students were enrolled.

Mechanical Engineering enrollment has risen from 348 students last fall to 480 for fall of

And in pre-Computer Science, the recent Fall quarter, up 65 from last year. Computer Science students totaled 30, up slightly from last year's total of 21. Chemical and Nuclear Engineering numbers have remained relativley stable since (Please turn to p.3, col.1)

Pay Raise for U.C. **Professors Sought**

By HENRY SCHULMAN Sacramento Correspondent

SACRAMENTO- Efforts to grant U.C. and California State University engineering professors a 20 percent legislative salary increase were rebuffed in the Assembly Ways and Means Committee yesterday, and proponents will instead try to get the money through the budget process.

Assemblyman Dave Elder (D-Long Beach) brought a coalition of education and industry representatives to testify that engineering professors are leaving universities for higher paying jobs in private

But the proposed salary hikes ran into a stonewall of oppositon on the committee lead by chair John Basconzellos, who said he "would not vote for any bill that cost \$9 million in an already bankrupt state."

Elder accepted Basconzellos' suggestion that a study be done in an attempt to find more money for the professors. That most likely means Elder will have to seek funds during state budget hearings.

Governor Brown's airtight budget called for a 2.5 percent cut in U.C.'s spending, but he proposed several million dollars be specifically set aside for increased support in computer science and engineering.

The U.C. Regents, however, will consider their own pay hike at their meeting in San Francisco today. If the regents approve the action, Elder's bill may not have to encompass the U.C., allowing him to concentrate efforts on getting more money for CSU professors.

Gail Fullerton, president of San Jose State University, testified yesterday that since 1972 her school has lost 28 engineering faculty members, and has been able to hire only 11 tenurable professors. Meawhile, she said, the number of engineering majors at the school has doubled. San Jose State is centered in the technology-rich Silicon Valley, where there is a high demand for electrical engineers

Pat Hubard, president of the 1,000-member American Electronics Association, testified that Japan is "breathing down our technological necks" and if there are not enough engineering professors there will be a consequential drop in graduates available for industry

The committee's action actually keeps Elder's bill alive. But the provision for the salary increase was substituted with the statement of intent to look into the problem.

Proponents say the situation has existed for several years but has only recently been brought to public attention by several newspaper and

As a result, Assemblyman Gary Hart (D-Santa Barbara) held a daylong subcommittee hearing on the situation last year. He concluded yesterday, "I don't think a 20 percent across the board increase at the CSU and the U.C. is the appropriate way to respond to the problem. It should be handled by the budget process.

Opposition to Elder's measure from the U.C. centered on the idea of the Legislature setting professors' salaries, especially since the regents were planning to set their own pay hikes.

Resistance Day Rally Addresses Budgets

By JOSE FERNANDEZ **Nexus Staff Writer**

Representatives of various political organizations spoke in favor of a unified public assault against specific policies of the ation during the second Inauguration Resistance Day Revisited rally yesterday.

Caroline Tesche, UCSB Student Lobby statewide coordinator, spoke in favor of women's rights, saying that "facts emerge which point to sexism in the Reagan administration."

Tesche explained that federal cuts in such programs as Medicare, family planning, child day care, and shelters for battered women are, while felt by all, "shouldered" most heavily "by government "stockpiles millions of dead dollars into the ground instead of tending its own domestic

On the topic of world hunger, Ruth C. Adams of the Santa Barbara Hunger Coalition explained that "although our president says that we are the most generous of all nations in the world in giving to starving people, the fact remains that although we are the richest, we are way down the list, percentage-wise, of those that give aid." She warned that if Americans continue to monopolize 80 percent of the world's food and energy, "they had also be prepared to brace themelves for disaster.'

Mike Boyd, A.S. collective bargaining representative, described the effects of budget cutbacks as they relate to students. "Because of the cutbacks of funds to the U.C. system," he said, the student is taking "the heavy end in supporting such organizations as the financial aid fund, as well as other campus institutions - institutions that the student never had to support before the cutbacks, and that they shouldn't have to pay

Boyd urged the crowd to join (Please turn to p.3, col.4)

The winning team of UCSB's College Bowl consisted of, from left to right, Kirk Prindle, Bob Lovret, Lee Berg and Bill Brooks.

STATE

LOS ANGELES— The jury in the Freeway Killer case recommended the death penalty yesterday for defendent William Bonin. Bonin was convicted of 10 homosexual murders of youths whose nude bodies were found dumped

LOS ANGELES- Growers expressed mixed reactions yesterday to Japan's decision to modify its quarantine restrictions imposed on fresh fruit from California at the height of the Medfly crisis. The Japanese action was praised by growers, however, they remain hampered by continuing restrictions.

SAN JOSE- A San Jose firm said it will begin work next month on the nation's first full-scale fruit and vegetable irradiation plant, a decision made in part as a result of the recent Medfly crisis. The plant's goal will be to process as much as 10,000 tons of produce a day, killing any medfly larvae with low-dose radiation from radioactive isotopes.

SAN FRANCISCO- A federal judge said yesterday he would include all claims and lawsuits filed in California as a single class in the lawsuit against A.H. Robins, makers of the Daldon Shield contraceptive device. Eight hundred cases will be heard during the trial which is set for May 10.

headliners

MICHIGAN- Talks between General Motors Corp and the United Auto Workers union collapsed yesterday as UAW president Douglas Fraser announced that bargainers were unable to reach an agreement on contract concessions. The negotiations were stalled over economic issues and the question of job security, the chief

WASHINGTON- Despite renewed presidential promises of recovery, new economic figures are likely to show the fourth quarter of 1981 was the worst since the low point of the 1980 recession, analysts said. Latest figures confirm the deep recession that has blighted production and tossed workers off jobs.

GEORGIA— The Coca-Cola Co., the world's largest soft drink concern, has agreed to pay nearly \$795 million in cash and stock for Columbia Pictures Industries, Inc., the firms announced Tuesday. If the deal goes through, it will be the fourth time in a year that a major production facility has changed hands.

ARIZONA- Doctors at a Phoenix hospital announced plans yesterday for a National Trauma Resource Center as a computer-based clearinghouse for information on emergency care

WORLD

FRANCE- Five old anti-tank rockets were fired at a nuclear power plant under construction outside Lyon, France's second largest city, officials said Tuesday. An ecology group claimed responsibility for the attack on the controversial Creys-Malville plant, the nation's first fullscale nuclear breeder reactor facility.

LEBANON- An Israeli jet reconnaissance squad patrolled skies over Lebanon's Bekaa Valley on Tuesday, and witnesses said two Soviet-made missiles were fired at the planes. Israel's military command denied its pilots were fired on by Syrian missiles and no official statement was issued on the incident.

BELGIUM- The first aircraft in the Western alliance's fleet of AWACS radar planes will be delivered to NATO this week and should be providing data on Poland and other East bloc countries by summer. It will be the first of a fleet of 18 AWACS flown by multinational crews, controlled by allied generals and giving data to all 15 NATO nations

WEATHER Partial clearing today with scattered clouds and chance of showers. Highs today near 60. Overnight lows in

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SPECIAL NOTE

You're invited to an informal gathering to discuss career opportunities with Hewlett-Packard inteviewers. To be held Monday, January 25 from 7:30 pm to 9:30 pm in Broida Hall, Room 1015.

LIGHT REFRESHMENTS WILL BE SERVED

SURF TEAM: All invited to the Winter qtr. surf tryouts, 8,

Sands. Girls and kneerriders welcome too. COLLEGE REPUBLICANS: Mtg., 7 p.m., UCen 2284.

Anyone interested in joining come by GAY MEN & LESBIAN WOMEN: All invited to share in casual & caring group, 7-9 p.m., WC. Tonight: Judith Brown speaking on relationships.

STUDENT ALUMNI ASSOCIATION: Mtg., UCen 2272, 7 p.m. All welcome.

ALPHA KAPPA DELTA: Sociology Honor Society general mtg., 5 p.m., Ellison 2824. Important! All members please

MUJER: 1st general mtg., 3 p.m., Santa Rosa Lounge **TOMORROW**

S.B. AUDUBON SOCIETY: General mtg., 8 p.m., Museum of Natural History, Fleischmann Auditorium. Guest: Mark Dubeis of Friends of the River. General public welcome. PSI CHI: Initiation, 5 p.m. at the Centennial House. All members, initiates and interested Psych majors welcome. Dr. T. Scheff will speak. Munchies served!

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When you've finished reading your

DAILY NEXUS...

Please Recycle it.

Engineering. . .

(Continued from front page) Bachelor, last year.

overall enrollment in part to the engineers. possibility that students may have "heard about the job situation. Engineering is getting a lot of favorable publicity these days, and salaries are a big part of it."

graduates average \$24,000, Myers attributes the and can go as high as \$38,000 increase in for some petroleum "Students graduating from UCSB always receive multiple job offers" after they graduate, Myers added.

Myers said the growing popularity of the engineering Starting salary offers for major probably is not caused

Engineering Jobs

(Continued from front page) the college was forced to begin recruiting professors for the first time since the department was established in 1961.

Currently, four faculty positions are vacant because the professors have left for various reasons, among them offers from businesses.

Offers from industry doubled salaries and extra - are often economically sound from a professor's point of view, and can't be matched by the university. Furthermore, research — a key attraction for scholars - has shifted almost 180 degrees away from the universities and toward the private sector during the last 10 years, contributing to migration toward the private sector.

College of Engineering, noted that Chemical Engineering Gerry Cysewsky left his straight out of their senior \$16,000 UCSB position three year.

years ago for a \$30,000 salary job with Battelle Northwest. Two summers ago, UCSB lost Electrical Engineering **Professor Augustine Gray to** the Signal Tech. Corporation at an undisclosed salary.

Sanjit K. Mitra, professor and chair of Electrical and Computer Engineering at UCSB, has had to deal with the problem directly.

"My colleagues as well as myself have been receiving offers from industry, with some salaries going as high as \$80,000. This is a very serious problem to be dealt with," Mitra said, adding "the students are the ones who suffer in the long run."

Compounding the problem is the lack of American Ph.D. students to fill the John Myers, dean of the engineering college's vacant positions — a phenomenon that occurs as graduates are Professor recruited by companies

Twain To Speak On Social Issues

UCSB Arts and Lectures and the Associated Students Program Board will present a free lecture entitled, "Mark Twain: Social Critic for the '80s on War and Peace" Thursday, Jan. 21 at 8 p.m. in Lotte Lehmann Hall.

This modern-day Mark Twain is in reality William McLinn of Washington, D.C., who will soon be ordained as a minister. He tours the United States and abroad dressed as Twain and uses the great American humorist's own words to focus on issues of contemporary controversy. He wears tails, has bushy white hair and walrus mustache, clutches an enormous black cigar, and speaks with a Missouri drawl "spreading exactly the same salty backwoods political gospel that the sage of Hannibal, MO preached," according to Newsweek.

An example of Twain's humor can be found in this quote on the human race: "The human being is the only animal that blushes, or needs to."

Correction

steruay's Daily Nexus it was incorrectly reported that the total sales of the UCSB male calendar were estimated at 200. It should have been stated that sales for the calendar have reached 2,000 total with 200 sold on the UCSB campus. We apologize for any inconvenience this mistake may have caused.

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only by the impressive salary offers. "These high salary offers for graduating of Science engineers really isn't anything new. Engineers have always made much better salaries. It was true in

1970; it's true today."

Another reason for the increasing enrollment is a growing interest in the field Many engineering. engineering analysts believe that today's technologically advancing society has caused young people to gain a greater interest in highlevel problem solving.

"Engineering is basically nothing more than solving problems. To be given a problem and to be able to solve it can be very selfsatisfying," Myers said.

Compounding the problem the fact that less faculty is available for teaching.

"We have 51 and a half College of Engineering, and as of now, four are unfilled. This shortage has resulted in ministration talks about the filling of permanent positions with otherwise temporary instructors," Myers said

Although transfer students are being turned away, Myers said yesterday, "We haven't put a limit on freshmen for Fall '82.'

will be accepted.

Enrollment Will

Close for Winter

After today, Jan. 21, enrollment for Winter quarter 1982

will be closed and no fee payment or registration packets

FREE

GMAT, GRE & MCAT

Exam Preparation

The Academic Skills Center (Bldg.

477) is offering groups to help

students prepare for the GMAT, GRE

and MCAT exams. A GMAT review

session will be held on Tues., Jan 19.

The MCAT review session will be on

Thurs., Jan 21. Sessions for the GRE

will be held on Monday and Wed-

nesday, Jan. 25 & 27. Sign up at the

Academic Skills Center (near Storke

Tower) M-F, 8-5 pm.

(Continued from front page) organizations and to write being so crucial now as it is, would build up a football team, out of our money, rather than seek to find a solution to our present problem."

professor at California State University Northridge, spoke out against the militarization of the United States by the Reagan administration. Acknowledging the United States as a military state, Bonpane urged the student body to "resist government atof increasing enrollment is tempts to drag them into a military frame. We are people of power, living in a world where the greatest permanent positions in the single myth is that we are

letters to their congressmen about the present cutback situation. "With the situation we have a chancellor who

Blase Bonpane, powerless," he said.

"The Reagan adlimited nuclear war. There is no such thing as limited nuclear war. We can stop nuclear war from happening with total non-cooperation. We can have a beautiful planet, but we have to stop the criminal administration which is presently plotting the death of us all.

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Tow Ronald Reagan Changed Our Lives

INAUGURATION RESISTANCE DAYS REVISITED

One Year With The Reagan Administration

Jan. 19th, 20th, and 21st

Tues., Jan. 19th

*12-1: RALLY in Storke Plaza Speakers on:

• Budget Cuts at UCSB

• Nuclear Weapons & the Peace Movement

• Foreign Policy

*1-2:30: TEACH-INS in Storke Plaza by Member Groups
Learn More About the Issues and What You Can Do

Wed., Jan. 20th

*12-1: RALLY in Storke Plaza

*1-2:30: TEACH-INS in Storke Plaza by Member Groups
Learn More About the Issues and What You Can Do

*1-6: FILMS & SLIDE SHOWS in UCen 2272

*7-9:30: BLASE BONPANE Speaks on Liberation Theology
With Film "El Salvador: Another Vietnam?" in Broida 1610 *9:30-?: SOLIDARITY GATHERING at Borsodi's

Thurs., Jan. 21st *12-2: RALLY at the UCen Lawn (by the

SOLIDARITY

PROGRESSIVE PEOPLE IN SOLIDARITY: Indians Student Association Iranian Students Association mission on the Status of Women Irish Northern Aid Coalition

U.C. Fees

University of California students need little other than their increasing quarterly fees to remind them that the state of California is not in the healthiest financial condition. Budget shortfalls in the post-Proposition 13 era have become a way of life, and public education is being forced to accept cuts that threaten its very foundation.

To help alleviate the situation, State Assemblyman Larry Kapiloff (D-San Diego) has introduced a constitutional amendment setting up a state lottery with proceeds to be used for funding elementary, secondary, and post-secondary schools. The amendment would also prohibit the legislature from cutting education budgets below the 1980-81 level.

Creative financing has become the new catch-phrase of recession economics. Just as potential home and car buyers are being forced to find new ways to obtain the money they need for their purchases, so, too, must government find new methods to cope with new economic circumstances. Lotteries are already used in New Jersey, New York, Michigan, and Maryland, and there is no reason that, given proper supervision and control, California should not join the list.

It would not do, for example, to have organized crime involved in the funding of public education. And preliminary research should be carried out to ensure that the poor do not contribute disproportionately to the support of a system which also serves the relatively

So long as proper controls are maintained, the lottery holds the promise of a simple and profitable way to keep California's public schools on the low-cost track.

Huttenback

In a recent speech at the annual dinner meeting of the Goleta Valley Chamber of Commerce, UCSB Chancellor Robert Huttenback addressed several aspects of the relationship between the university and the community. On the subject of student voting, Huttenback stated that he thinks students shouldn't vote on local issues. "It's a mistake," he said, according to an article in the Sunday edition of the Santa Barbara News-Press "but they can, and there is nothing we can do about it. I, and the faculty can't control the way students vote, and I would think less of them if we could."

According to the article, Huttenback emphasized that his remarks were his personal opinion, and not to be interpreted as those of the university.

We disagree. Even though these sentiments may not be shared by the rest of the UCSB administration, the airing of such thoughts in a public context, speaking as the chancellor of UCSB rather than Dr. Robert Huttenback, renders them more of an official position than a personal opinion.

As residents of the Isla Vista-Goleta community, students are directly influenced by local government decisions. Arguing that students are a transient population and, therefore, should not have the right to vote on far-reaching local issues is without merit, since the actual duration of each individual's residence is unpredictable, and vast numbers of the general population also relocate frequently.

Huttenback is correct in stating that the local voting issue is moot, for regardless of his opinion, students' right to vote in all elections will continue to be guaranteed by law. The primary issue concerns his lack of foresight in failing to anticipate the heightening of studentadministration antagonism that his remarks are likely to produce.

Rather than bemoan the inappropriate involvement of students in local issues that affect the larger community, the chancellor should involve himself and the rest of the administration and faculty in student voter education efforts. Intelligent decision-making is a far more palatable concept than the restriction of students' rights.



LETTERS

Creation

Editor, Daily Nexus:
Both Alfred North Whitehead and J. Robert Oppenheimer (neither of whom were Christian) have stressed that modern science was born out of the Christian world view. The belief in a rational creator led to the hope of finding rational design and order in nature. Whitehead states that "without this belief the incredible labors of scientists would be without hope."

Who among us believes that the "Biblically inspired" discipline of science should not be taught in public schools? Why? It is for the simple reason that the origin of an idea has nothing to do with its validity. Creation, the notion that natural processes alone have not produced the order and complexity we find in the universe, may also have been "Biblically inspired." The true test for creation science, however, is whether or not this notion can be deduced from observation and logic.

The main tenet of creation science is that all major different groups of organisms abruptly appeared on Earth in fully functional form with tremendous but limited variation within their original gene pools. The creation model of origins would predict, therefore, that systematic gaps should be found in the fossil record separating these major

Harvard paleontologist Stephen Jay Gould sum- science classroom.' marizes the fossil evidence tenure on Earth. They apwhen they disappeared... a evolution. species does not arise

transformation of its ancestors; but appears all at once and 'fully formed.'"

David Raup, in an article entitled "Conflicts Between Darwin and Paleontology' (Field Museum Bulletin, January/February 1979), admits "the evidence we find in the fossil record is not nearly as compatible with Darwinian natural selection as we would like it to be. Darwin was completely aware of this. He was embarrassed by the fossil record because it didn't look the way he predicted it would."

Contrary to the Nexus editorial, "Science?", (Jan. 11, 1982), creation science does not maintain that all life was created in six days. Such a conclusion is beyond the realm of science. Rather, it maintains that the universe is much too small and much too young for any life to have arisen by chance.

Should two models of origins be taught? Dr. Richard Bliss has found that students who have studied under a two-model approach seem to be more highly motivated, learn more effectively, have a better grasp of the data, and develop more critical thinking habits than students who have studied evolution

Dr. Werner von Braun the conclusion that the welcome the presentation of alternate theories for the origin of the universe, life, and man in the

Students for Origins by stating that "most Research at UCSB agrees species exhibit no direc- with Dr. von Braun and tional change during their encourages faculty and students to seriously conpear in the fossil record sider the case for creation looking much the same as along with the theory of

Art Battson gradually by the steady Students for Origins Research

Disgust

Editor, Daily Nexus:

I would like to express my disgust about the final part of Monday night's PoliSci 153/ReliStudies 153 class, when valuable time, originally allocated to further questioning that night's lecturer George McGovern, was used to shake hands with him, although quite a number of interested students still had commitment, a student plenty of questions to ask McGovern.

I think that this kind of celebrity worship was completely misplaced in an upper division class. I had expected more maturity of the students attending this class than was shown.

Let's hope this faux pas will not be repeated when the representative of the stairs, a gymnastic workout 'moral" majority will speak Monday night.

Ralf Saalbach

Noisy

Editor, Daily Nexus:

The UCSB campus has a reputation of being a "party school," "laid back," a place for students who get rejected by Berkeley. This past week we were given the opportunity to enhance this reputation by the presence of former United States Senator and democratic candidate for president, Dr. George McGovern. It is not wrote that "the scientific often that any school, let method does not allow us to alone our humble campus, exclude data which leads to has the opportunity to universe, life, and man are distinguished guest. Senator based on design... I endorse McGovern is a visiting professor of political science, teaching a course

that has received a good deal of West Coast notoriety. It would seem to me that with an opportunity this large, UCSB would want to put on their "Sunday best", so to speak, and make a good impression. This was not the

With a crowd of over 600 people expected, Professor Capps requested Campbell Hall be used to accomodate the students, but it seems that, due to some prior group had already reserved Campbell Hall and was planning on showing James Bonds' "Live and Let Die." (Why this could not be moved I'll never understand). So Senator McGovern was put in Rob Gym and left to compete with the loud disruptive noise of a dance class upto his right, and the countless number of students wandering in and out making the sound, at times, barely audible. Hardly an appropriate way to treat a speaker of Senator McGovern's magnitude. Only the humor of Dr. Capps, and the eloquence, not to mention good nature, of the senator himself saved the evening. I hope that next time he returns, he is treated with the respect a man of his stature deserves, or have Flintstone reruns already been scheduled?

Larry Schapiro

Why Don't You Write?

Correction

Due to a typesetting error, there was a mistake in a letter entitled Fallacy, in Tuesday's Nexus (1-19-82). The letter should have read, "The nuclear community, both industrial and academic, has never wanted to be tied to the nuclear weapons system, but rather is concerned with power production by processes such as nuclear fission and nuclear fusion.

DOONESBURY









by Garry Trudeau

Joseph Kraft

Income-nomics

happening on the national economic front these days. That, friend, spells incomes policy backwards.

For out of bargaining between companies and unions there is emerging a national pattern of restraint on wages and prices - or, an incomes policy. But the cost of achieving that goal by private haggling instead of direct government action is high unemployment, slow growth, social inequality and the risk of more inflation.

The current talks in Detroit between the auto manufacturers and the auto workers provide the principal theater of action. The leading roles are being played by two admirable figures - Roger Smith, the chairman of General Motors; and Douglas Fraser, the president of the United **Auto Workers**

Together they have turned upside down the normal pattern for wage bargaining in the auto industry. Usually, the unions demand increases in pay and benefits, and the companies, after some token resistance, pass on the costs to the public in higher auto prices and rising inflation. But this time GM is asking the UAW to take a big cut in wages and benefits. In return GM offers a cut in auto prices. "It is," in the words of one GM official, "an obverse

negotiation.' Contract talks have just begun, and unknowns abound. It is not clear how much the union will take in cuts and how

much the company will shave off prices.

But several signs are favorable. Messrs. Smith and Fraser obviously prepared the way through long, private talks. They opened their formal negotiations last week. instead of waiting until the present three-year contract expires in September.

As for other industries, the Teamsters leaders signed a somewhat similar contract last week and are putting the issue to their membership now. Several airlines have been able to work out accords in the same spirit. The general pattern is that non-union wages follow those in unionized

If so, substantial benefits would undoubtedly follow. The American auto industry would be preserved, with lower costs, lower prices and more ability to compete on world markets. Associated industries — notably steel — would also have a future in this country. The government might eventually come in with an industrial policy designed to give incentives to companies which modernize and maintain jobs, and advance the American position in global

one should be in doubt about the cost. The present pattern of low wage settlements has as its background the flat economy. The recession of 1980 brought the country a year of negative economic growth. The recession of 1981 will cause economic activity to falter even more. Unemployment, now at 8.9 percent and rising, has been more than 7.5 percent for two years. It is only in those circumstances, with the threat of going bust around the corner, that companies and unions have been prepared to lower prices and wages by voluntary collective bargaining.

Apart from social inequality, there is the risk of further inflation. If there is an early surge in business activity as the president seems to believe, unions would start demanding big pay increases. The same old pattern of high wages, high prices, rising inflation and shrinking markets would reassert itself.

My own guess is that that danger will not materialize. The economy looks as though it is going to stay sluggish, with industry operating well below capacity, and inflation trending down. That means the price we will pay for a drop of about 1 percent in inflation is unemployment above 9 percent, and a loss of output that amounts to about \$250 billion annually - the rough equivalent of the defense

Joseph Kraft is a Washington-based syndicated columnist.



Nicholas Von Hoffman

Bigotry in the White House

"I resent the implication that there is any bigotry in my nature. Don't anyone ever imply I lack integrity. I will not stand silent and let anyone imply that — in this or any other group," Ronald Reagan shouted some years ago to a meeting of the National Negro Republican Assembly. With that the future president slammed a fist into the palm of a hand and walked out of the hall.

A few minutes previously, a questioner from the floor had asked Mr. Reagan, "How are Negro Republicans going to encourage other Negroes to vote for you after your statement that you would not have voted for the civil rights

With the tax exemption on Jim Crow private schools, we are seeing another example of the "I can do anything I want, how dare you question my motives" approach. His Nibs tells racially discriminatory schools they'll be getting a subsidy from now on and then, after hearing the horrified But even if all these benefits eventually materialize, no coast-to-coast gasps, announces, "I am unalterably opposed to racial discrimination in any form.'

Yeah, well prove it, Mac.

The same statement also says, "My record and the record of this administration are clear on this point." Indeed they are, and they are both bad. In his first 12 months in office Ronald Reagan has compiled the worst record on race relations since Woodrow Wilson, an out-and-out, no pretense bigot who fired black clerical workers and resegregated federal government offices after Theodore Roosevelt had integrated them.

The pattern is clear. The record he boasts of is one of opposition to school integration, failure to support extension of the voting rights act, opposition to affirmative action and support of negative action in every area of life where black people have a vital interest, be it public housing, government employment or welfare. His administration's program, as it has worked out, in fact consists of cutting welfare and jobs at the same time. Over 12 percent of adult non-whites are out of work

What are these people supposed to do? No jobs and no welfare; the money for the public schools is being cut and the white-only schools get a tax subsidy. The next thing we know Mr. Nice Guy, the Great Communicator, is going to be on the tube telling us, "Look, you know my record. You know how I despise racial discrimination in any form. It hurts me to see it, so why don't the black people go back to Africa, where I'm sure they'll be treated fair and square?"

In ordinary circumstances a president, like anyone else, is entitled to a presumption of good faith, to the presumption, to use his language, that there is no bigotry in his nature. But Ronald Reagan's behavior toward black Americans has been so hostile, it has put him and his administration under suspicion. Acts given an innocent construction at the time no longer look so innocent.

There was the Republican fund raiser in Chicago which Mrs. Reagan greeted by saying how delighted she was to see "all those beautiful white faces" in the audience. Or the incident at the Republican National Convention when Benjamin Hooks, the NAACP's executive director, was, after considerable fuss and reluctance, given a chance to speak. Mrs. R. sat in the box doing giggle and girl talk with Mrs. Senator Elizabeth Taylor Warner while the hopelessly optimistic Hooks attempted to demonstrate to the ladies that many of America's 30 million black people truly do have some special problems which need addressing.

As it was fair game to speculate about Rosalyn Carter's influence over hubby and, more importantly, hubby's official behavior, so we are allowed to wonder about Nancy Reagan. It has been written and whispered over and over again that Nancy's step-father, Dr. Loyal Davis, with whom the Reagans spent their honeymoon, did much to shape his son-in-law's thinking about society

Read through the newspaper clips about Dr. Davis and one story is repeatedly told. This version was printed in the Washington Post:

"A local doctor who studied under Loyal Davis recalls him as 'one of the meanest, toughest, commie-hating, narrow-minded, John Birching, ultra-conservative hellions' he'd ever met. Which explains why medical students, after delivering babies in Chicago's black ghettos. would get back at Davis by convincing mothers to name their babies after him.'

Maybe it didn't rub off on Ronnie, but as the sports writers say, the ball is in his court; it's up to him to disprove it and not by another huffy-puffy how-dare-you impugn-myintegrity statement. It's impugned and so are you, Mr. Nice

Nicholas Von Hoffman is a Washington-based syndicated

William F. Buckley, Jr.

Money, Electronic Games and Milton Friedman

"Hey, you're shorter than my friend here," the ski guide said to the stranger in the crowded tram. "Yep," he answered, looking over, not down, at Milton Friedman. "Maybe I should ski on your shoulders? But then who would they know to rescue?" "The one with the best watch," the ski guide volunteered. Friedman proudly exhibited his watch, a Christmas gift from his son, which gives the time in two different zones and has a little calculator - "for when you're bored and can't read," Professor Friedman explained. "Amazing, cost only about \$60.

He doesn't have time to be bored. He is now reading galleys on a monumental work on monetary history, the third volume - it is for this that he is best known professionally, the learned data on the basis of which he has converted much of the economic world to monetarism, catching, even, the attention of the Nobel Prize Committee. ("How come," a friend once asked him, "you shrink when I hug you, but you let the king of Sweden do it? What's he got that I haven't got?" "A hundred thousand dollars, among other things.")

"I don't like to talk about foreign policy, because it is not my field. I think the foreign situation is more dangerous than the domestic situation," Friedman is saying. "It doesn't seem to me we have come up with a strategy. There isn't anything we can do to the Russians over Poland that would really hurt them, but we should answer them in Europe by taking them on in the Caribbean." He likes the idea of a naval blockade of Cuba which would stop any ship carrying guns, thus stanching the flow of guns from communist European countries to Cuba, and on to Central America. We could then also shoot down planes that carried arms? "They wouldn't send those planes if they knew we were serious about it.

"As for Europe," Friedman said, "what is the reason for our continuing to accept responsibility for its defense? I'd say to them: In exactly five years, there won't be one American soldier in Europe, not one. We'll help in any other way. Our navy will be out there, our defense factories at your disposal. But the local muscle will have to be European. After all," Friedman's baby face looks up pleadingly, "aren't they as wealthy as we, as numerous as we, and don't we have more direct responsibilities elsewhere?'

On the domestic front, Friedman bewails

that the supply-siders have claimed too much for their idea. "The worst thing that happened to the supply-siders," he says, "is the passage of Kemp-Roth. Sure, it isn't exactly the same as Kemp wanted, but it is substantially the same, and it just isn't going to yield high enough revenues to beat the deficit. That's one reason some of them are now shifting their emphasis to the need for a gold standard."

Is he saying that supply-side doesn't work? "Heavens no, of course it works. But what President Reagan should have done is what for political reasons he couldn't do, which is bring down a top tax of 25 percent." Did Friedman stand by his prediction of two years ago that such a reform would instantly generate substantial federal revenues? "No doubt about it, beginning immediately, federal revenues would rise. But Reagan couldn't come out for that because his critics would say he was saving

But isn't it the role of economists and other analysts to urge on the president the right course of action, with only contingent attention to its political marketability? 'Well yes," Friedman says, and promises to return to his recommendation early, in

his Newsweek column. Concerning the political future, Friedman criticizes the Fed for wild dollar expansion during the summer of 1980. "That's responsible for the present recession, which should have begun six months earlier. About now, Reagan would have begun to experience an economic lift, and at election time in November the people would have been a lot happier." Still, there is always a chance that by June the recession will have begun to ebb, and things will look better in November.

Meanwhile there is much to do. His companion had never played one of those electronic games everyone is talking about. So Friedman dove to the recreation room. "Have you got a quarter?" With great agility he maneuvered the good guy's fire into the attacking rockets, hiding behind the fortresses when the fire was returned.

Milton Friedman is willing to settle for a little progress at a time, though he would truly love it if the bad guys were overwhelmingly silenced by force of his energy, amiability and intellect.

William F. Buckley is a Kansas-based syndicated columnist.

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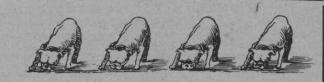
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PCAA Home Opener

Undefeated Fresno, SJS Invade the Events Center

Nexus Sports Editor

After splitting their first two PCAA ference leaders Fresno State tonight and San Jose State Saturday night.

Fresno State's position in the standings is expected — the Bulldogs are 13-1 overall, 2-0 somewhat of a surprise, considering the early season appraisal of the Spartans. The Spartans and Bulldogs have taken turns Pacific, the two worst teams in the con-

The Bulldogs, coached by fourth year head man Boyd Grant, are a deliberate team, both offensively and defensively. Under the prodding of Grant(90-30), the central allowed a miniscule 44.7 points per game.

Using their staunch defense to win a PCAA title last year, the Bulldogs earned a

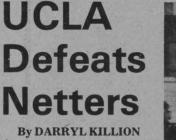
berth in the NCAA tournament only to lose in the first round.

6-8 forward Rod Higgins leads the 'Dogs in contests on the road, the Gauchos return to scoring and rebounding (14.8 ppg, 6.0) and, the Events Center for games with con- according to Gaucho head coach Ed DeLacy, is a definite pro prospect. 6-2 Donald Mason is the floor leader.

Returning most of their starters, the 'Dogs were expected to battle for the conin the conference - but San Jose State is ference crown; however, San Jose State returns only one, Chris McNealy. Grabbing PCAA Player of the Week honors last week, McNealy has virtually been a one man show beating the same two teams, Utah State and for the Spartans, averaging almost 17 points a game and 11 caroms.

Starting for the Gauchos will be forwards York Gross (12.6,4.8), Joel Dobrin (3.8,1.4). At the guard spots will be Mario Gaines (9.8,1.7) and Michael Russell California school has earned the reputation (13.1,1.7). Richard Anderson,last week's of having one of the most effective defenses PCAA Player of the Week, will take up the in the country. To date, the Bulldogs have middle. Anderson leads the team in scoring (16.0ppg) and rebounding with an 11.4 average.

Game time for both is 7:30 p.m.



Nexus Sports Writer What do Jimmy Connors, Arthur Ashe, and Eliot Telscher, all have in common? They played collegiate tennis for the top team around, the UCLA Bruins. Things have not changed much down in Westwood. UCLA still pumps out tennis pros, along with national championships. And the Bruins continue to hold onto their top ranking, defeating the men of UCSB, 8-1.

Larry Barnett, who last year played the outstanding match against UCLA, lost at number one to Bruce Brescia, 6-2, 6-3.

Barnett gave full credit to tless from the backcourt." Anderson won the only African star Craig Venter. With match point against tiebreaker and went on to win 4-6, 7-6, 6-3.

singles, matched ground- last point, but fell 6-4, 6-1. Finnerman had the competition everyday.' displeasure of returning the big serve of stocky left- battle the very top players USC on Saturday.



Basketball action returns to the Events Center tonight as the Gauchos take on Fresno State.

match 6-1, 6-2.

the number two player Gus by too quickly for the Anderson: "He was relen- Gauchos. Gus Anderson and Greg Andersen had little luck against a former match after a two-and-a-half number one at UCSB, hour battle with the South Manset and his partner Basham, 6-0, 6-4. The second doubles team of Barnett and him, Anderson belted a Riggs kept a UCLA duo on passing shot to take the their toes with a respectable 6-3, 6-4 defeat. Finally, Kevin Chris Stevens, at three also battled the Bruins to the match will be at 2:00 p.m.

strokes with Mark Basham, According to Barnett, the formerly at Santa Barbara top player for the Gauchos, High School. But Basham "UCLA has more depth then came out on top 6-2, 6-3. any other team in the nation.

hander Randy Part, losing 6- on a day to day basis, but 1, 6-2. At number six singles, next Thursday they get Allen Fox also dropped his another chance. This time against the second best team The doubles matches went in the nation, USC.

omen Netters

Weather permitting, the UCSB women's tennis team will entertain Cal State Bakersfield today at the Lubbers and Chris Russell stadium courts. The first

In last weekend's All-Cal Fourth on the ladder, Marsh And we lacked the ex-rugby tournament, UCSB Riggs fell easily to Klaparda perience to beat them...we didn't exactly play the of UCLA 6-1, 6-1. And Mark just don't get that top flight perfect host, downing UCLA in the final,9-3. The Gauchos Perhaps the Gauchos don't next match will be against

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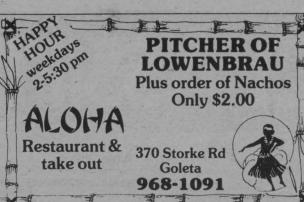
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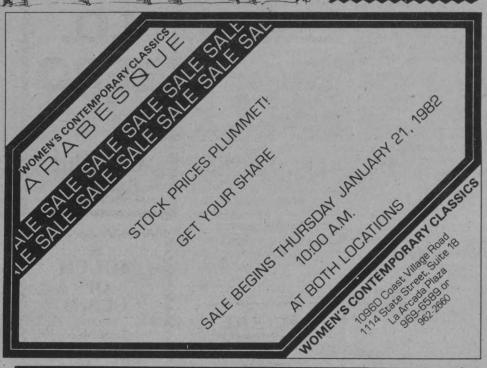
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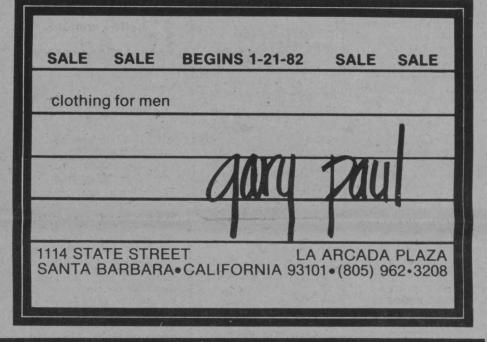
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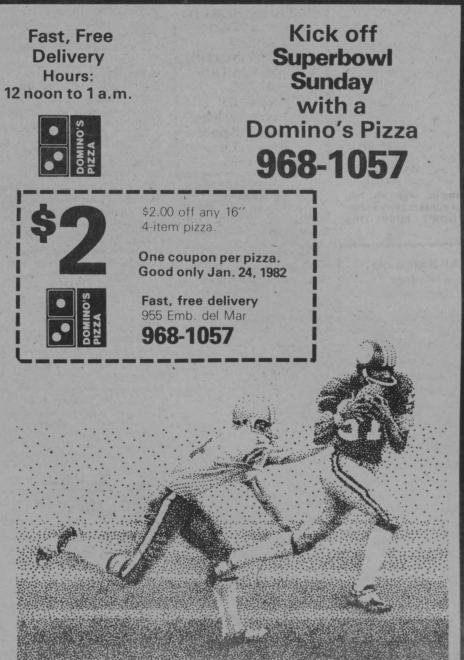
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General Purpose LSI Test Systems San Jose, California

Xincom Memory Test Systems Division Chatsworth, California

Large scale integration is the heart of the technological navaluation that will ahange the way we all work and live Large scale integration is the heart of the technological revolution that will change the way we all work and live. A Fairchild engineer in an LSI division must have a vision work on of possibilities for the future. When you begin work on of possibilities for the future. When you begin work on advanced bipolar, MOS or microprocessor products today, or magnitude improvements in product canabilities. advanced bipolar, MOS or microprocessor products today.

Order of magnitude improvements in product capabilities

Mill he only one measure of advancement volucian expect order of magnitude improvements in product capabilities will be only one measure of advancement you can expect, and another compare the revolu-Will be only one measure of advancement you can expect tionary new products and methods which you will appare The most exciting advancements to come are the revolu-tionary new products and methods which you will create ... entire systems on a chip ... software development systems superhigh nerformance devices for the computer tale. entire systems on a curp ... sortware development systems communications and aerospace and defence mankets mankets mankets mankets mankets mankets and defence and defence mankets mankets mankets mankets mankets and defence mankets mankets mankets and defence mankets mankets mankets and defence mankets mankets mankets mankets mankets and defence mankets man ... Super high performance devices for the computer, tele-communications, and aerospace and defense markets. The communications, and aerospace and defense markets. The each division will help hring these ideas into reality each division will help bring these ideas into reality. Bipolar Division

Microprocessor Division Santa Clara, California

Microprocessor Division Wappingers Falls, New York

MOS Division San Jose, California Digital Products South Portland, Maine

Advanced Research and Development Laboratory

Fairchild's Advanced Research and Development Laboratory has research opportunities for MS and PhD graduates. The atmosphere is charged with new ideas, new developments, and new expansions. Fairchild's commitment to research programs is extending the frontiers of electronics technology in advanced VLSI, MOS and bipolar, telecommunications, LSI, CAD technologies, signal processing design, artificial intelligence and CCD image sensing.

The charter of the Laboratory is to work toward long-range technical innovations with results from two

The Advanced Research and Development Laborato ten years out. tory is the force that will push Fairchild into world-wide technical leadership. The opportunity for you to play an important role in that push is very real.

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Advanced Research and Development Laboratory Palo Alto, California

Analog and Components Products When you are a Fairchild engineer in an Analog and Components Division, the best is never good enough. From the engineer improving the quality of silicon wafers at the Materials Division to the engineer marketing high performance circuits, the goal is constant improvement at every step. Whether you are the Design Engineer in the Linear Integrated Circuits Division improving CAD methods to put complex telecommunications circuits on a chip or the Process Engineer in the Discrete Division searching for ways to build higher performance into a power transistor ... or the Product Engineer in the Automotive Division who coordinates the design and manufacture of products that combines many semiconductor and component technologies ... the emphasis is on engineering excellence, innovation, and quality.

Linear Division Mountain View, California

Automotive Division Mountain View, California

Optoelectronics Division Santa Clara, California

Discrete Division San Rafael, California

Materials Division Healdsburg, California



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