

# Merger failure may affect faculty's unity

By RICK SANDOVAL  
staff writer

A proposed merger of the state's two largest college faculty organizations was rejected this past weekend. At a state delegate meeting in Los Angeles, 54 members of the Congress of Faculty Associations voted unanimously, but with one abstention, to reject the proposal from the United Professors of California.

This sets up a battle over who will represent the California State University and Colleges system employees in the collective bargaining process.

The delegate vote agreed with a recent decision of the CFA's executive committee, rejecting the same proposal.

"I'm disappointed," Bob White said, political science professor and HSU president of the UPC.

"The reason we made the proposal was that we hoped the state's faculty could speak in a unified voice to the chancellor's office, the governor, and the public," he added.

A CFA press release quotes William D. Crist, state president of the chapter, as saying the proposal was made more for the organizational advantages the UPC would gain, rather than a "desire for true faculty unity."

Crist added those seeking a united faculty would be best served through the bargaining election process.

According to White, that election process will be very expensive for the two groups and will weaken

whichever union is chosen as the collective bargaining agent for CSUC employees. White expects a vote on the representation question sometime in the fall.

Joe Leeper, geography professor and campus secretary for the CFA, agreed with White on the detrimental effect the weekend vote will have on the CSUC employees bargaining position.

"There are probably people laughing in Long Beach right now," Leeper said, referring to the chancellor's office. He added that the result of the vote will be more in-fighting between the two groups, saying it will cause a flare-up of emotions and be a "terrible waste of time and money" for each organization.

Estimates are that both organizations will spend close to \$1 million in a fight to be the CSUC's collective bargaining agent.

While Leeper agrees that an election will be costly, he understands the fears of many CFA members concerning the proposed merger. He cited the Association of California State College Professors' recent merger with UPC.

"That group has never been heard from again," Leeper said. "Many feel the same will happen to the CFA if we merge with the UPC."

This fear was evident in the vote as the CFA official response mentions ACSCP's merger as an illustration of the UPC's "use of mergers to take over competing organizations".

Herschel Mack, speech communication professor and HSU delegate to the CFA meeting, said the wor-

ding of the UPC's proposal was unacceptable. "There will not be a merger along the lines the UPC proposes," he said.

Leeper, who supported the merger, said he foresees a tough battle between the two groups for the right to represent CSUC employees in collective bargaining. He added the final decision will probably be made by the Public Employees Relations Board.

According to Leeper, this would be because neither organization has shown a clear majority of support from CSUC employees.

An uncompleted survey of HSU's CFA members bears this out. It shows mixed feelings towards any merger and an equal number of members wishing no representation from either group.

Leeper said if the "no representation" feeling is reflected state-wide, it could make collective bargaining more difficult.

However, both groups seem confident their organizations will win the elections.

The desire of some campus members for a merger remains.

James Derden, philosophy professor and past president of the local UPC chapter, said there are clear differences in the two groups. He added, however, that both groups "could no longer afford to fight each other".

"This will only cause more bitterness and division among the faculty in the state," Derden said.

## The Lumberjack

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HUMBOLDT STATE UNIVERSITY  
ARCATA, CALIF. 95521  
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## City council votes against Prop. 9

Editor's note: Over the weekend, Wesley Chesbro attended a meeting of the Redwood Empire Division of the League of California Cities, where a resolution opposing Proposition 9 was passed.

By TOM WALLACE  
staff writer

The Arcata City Council passed a resolution last Wednesday opposing Proposition 9, the controversial state income tax reduction initiative that could bring tuition to HSU if approved by California voters on June 3.

Speaking during a break in the council meeting, Councilman Wesley Chesbro said "one of the main problems with Proposition 9 is that the impacts the proposition could cause cannot be calculated because the economy is too unstable."

"However, we do know that needed services will be cut if the initiative passes," he said, and added that students from middle-income families will suffer the most if tuition is imposed.

"Middle-income students may find themselves excluded from state universities and community colleges due to the fact that high-income families will be able to afford tuition while low-income families and students will be eligible for financial assistance," he said.

The council also passed resolutions endorsing Proposition 1, the parkland and renewable resources initiative, and Proposition 11, which would transfer money from the oil profits tax to local transportation systems throughout the state.

Chesbro brought the resolutions to Rohnert Park last weekend to be considered by the Redwood Empire Division of the League of California Cities. Chesbro

is the president of the division.

The council authorized Chesbro to speak for the city of Arcata at Nuclear Regulatory Commission proceedings related to the Humboldt Bay power plant.

Chesbro said the council's action was "a first step toward enforcing Proposition B," the anti-nuclear initiative approved by Arcata voters in the April election.

Chesbro was named a mediator in federal proceedings regarding the nuclear facility in 1976. He said he would now be able to speak for the city "instead of as a concerned individual." He will represent the city at an Atomic Licensing and Safety Board preliminary hearing on June 3 in Eureka.

Arcatans for Energy Independence members Robin Arkley, Robert Goss, Estelle McDowell and Doyle Quiggle asked the council by letter to ensure that their pro-nuclear position would be heard in any city-of-Arcata testimony before the

Nuclear Regulatory Commission.

"I will gladly state the election statistics in any testimony," Chesbro said.

In other action last Wednesday the council:

— Authorized the use of a city bus by Net Energy Inc. for a May 4 tour of solar homes in Arcata, Eureka and McKinleyville.

— Approved a contract leasing approximately 175 acres of Arcata Bay tidelands to Ted Kuiper for shellfish farming. The city will receive \$100 a year and 1 percent of gross sales for the duration of the five-year contract, and is not responsible for accidents or damages that could be caused by spillovers from the nearby wastewater treatment plant.

— Endorsed a poetic proclamation of spring written by Jerry Martien.

— Proclaimed May "Older American Month" in conjunction with a national declaration.



"Brigadoon" preview, see page 17.

## Local crime rate follows nat'l. trend

By MARY ELLEN BLOOMER  
staff writer

Humboldt County experienced a 100-percent increase in rape and murder cases in 1979, according to the county's District Attorney Bernie DePaoli.

DePaoli also said Humboldt County seems to be experiencing a nationwide trend: an increase in the amount of murders being committed in rural areas.

He said the chance of a person being murdered in San Francisco is one in 10,000, while the ratio in this county is approximately one in 11,000.

Statistics indicate a growing number of homicides are being committed by transients, DePaoli said, and added that crime statisticians are saying California is becoming a haven for serious criminal offenders.

This phenomenon has sometimes been explained as the result of California's liberal laws and the heavy burden of proof placed on law-enforcement agencies.

Based on current statistics, experts predict one out of every three women in California will be the victim of a rape sometime during her life.

DePaoli said murder is now the 12th leading cause of death for women in the United States. He said the Humboldt County Sheriff's Department reported six homicides last year; four of the victims were women.

Based on county homicide statistics for the past four years, the district attorney made the following observations: 25 percent of the murdered women were killed by their husbands; 80 percent of the female victims knew their attackers intimately.

DePaoli added that in two of the three murders reported by the Sheriff's Department this year the victims were women, and speculates that if homicides continue in the direction they began in 1980, there may be as many as 16 homicides in Humboldt County by the year's end.

The method of some recent murders in the county are more heinous than ever before, he said, and added that the execution or torture-type murders have not been uncommon in recent years.

"If you're a woman, do your best to avoid potentially dangerous situations," DePaoli said.

He also advised women not to open their doors to strangers or to hitchhike.



# 'Hit List' worries certain faculty, students

By MIKE RAVEN  
staff writer

A plan for the "long-term evolution" of the university has been approved by the Academic Senate and will probably become policy with the approval of HSU President Alistair W. McCrone.

The plan affixes priority ratings to various programs such as "undergraduate electives offered by disciplines associated with the central majors." This category has a priority rating of five.

With heavy budget cuts possible, many faculty members are worried their programs are on what some call the "hit list." This, said Senate Finance Committee Chair John Hofmann, means anything not listed as priority one.

Priority one consists mostly of programs

mandated by the California State University and Colleges board of trustees, such as natural resource and natural science programs considered to be unique contributions by HSU to the CSUC system.

The plan protects programs with consistently high enrollment and programs seen as necessary by the trustees. These programs will be maintained and funded, if necessary, at the expense of programs given a lower priority rating.

Certain humanities and social sciences are mandated in order to keep the liberal arts nature of Humboldt, Hofmann said.

Programs will be evaluated by a process called AMALOF, a method of evaluating the productivity of classes in terms of full-time enrollment and awarding a corresponding budget.

"Essentially, students will be voting with their feet," Hofmann said. "That is, programs with half-filled classes are going to lose budget."

Hofmann is a member of the Academic Resources Allocation Committee, which produced the plan and is coresponsible with the University Curriculum Committee for implementing it. The allocation committee is chaired by Academic Affairs Vice-President Milton Dobkin, and includes the deans of the five schools and the two division chairs.

Faculty input into the development of the plan was limited to the extent the faculty is represented on ARAC, Hofmann said. The present and past presidents of the general faculty also sit on the committee, and Hofmann also represents the

faculty, but the plan was voted on and approved by the general faculty.

Hofmann doesn't see the plan as having any immediate effects. It is not a provisional plan to cope specifically with Proposition 9, although these guidelines will be followed if cuts have to be made.

The main advantage Hofmann sees in the plan is that "it will make the budgeting process less emotional."

In his three years on ARAC, Hofmann claims he has seen numerous attempts by students and faculty to intimidate the committee in their allocation decisions by attending the meetings in numbers. He said the proposed plan ties the budget to specific criteria and priorities.

Decisions made by ARAC go to the University Resource Planning and Budget Committee, then to McCrone for final approval.

By STEVE HAMLIN  
staff writer

American campuses are run-down and energy inefficient according to a March 17 Time magazine article.

An estimated \$30 billion is needed to renovate the nation's colleges, the article says.

HSU is in fairly good shape, according to Lionel Ortiz, assistant director of the plant operations department. The two main thrusts of the department's Energy Conservation Committee are preventative maintenance and energy conservation.

HSU scored sixth in the state college system for conservation efforts. The scoring was based on comparisons of energy consumption in 1973-74 and last year, and the first halves of this year and last year. The university received \$26,106 for its efforts.

Several proposals have been submitted to the chancellor's office on how the money should be spent.

"Balancing" 20-year-old Siemens Hall would account for \$8,927 if approved. Balancing a building means fine-tuning the heating system to provide the proper amount of air at the proper temperature in the most efficient manner, Ortiz said. For Siemens Hall this would mean installing new dampers and servicing and installing controls, resulting in a 25-percent

reduction in heating energy used.

"Maintenance probably should have been done as of the first oil embargo," Ortiz said.

A major problem with many of the buildings on campus is they were designed when energy to heat buildings was cheap. Little thought was given to rising fuel costs in the late '50s when heating oil cost 15 cents a gallon. Lack of funds and personnel, due in part to trimming because of Proposition 13, has also made maintenance more difficult.

"An energy conservation program needs strong administrative support," Ortiz said, who believes he has this at HSU.

Another proposal for the money is an energy audit of seven buildings.

The Library, Language Arts Building, and the two-building art-music complex and three-building Science Complex, would all be assessed by certified inspectors from the California State Energy Commission. The estimated energy savings from such an assessment is 5 percent.

The assessment may result in the acquisition of federal grant money for further energy conservation projects. To qualify for the federal money, the inspection must be completed by June 1.

A proposal to replace 62 outdoor lights with high pressure sodium fixtures, like the ones behind Harry E. Griffith Hall, has

been shelved. The lights are as bright as the old mercury vapor type, but operate at half the cost.

The deciding factor for project approval is based on simple payback, the amount of time required for the projects to pay for themselves. This does not take into account rising costs of labor, materials or energy.

"The payback for the lights may be remarkably shorter than estimated, due to rising energy costs," Peter Lehman, a committee member, said. Lehman estimated that if current fuel price trends continue, the payback might be five years.

The energy assessment could take less than half a year to pay for itself, provided the 5 percent estimated savings is met. The lights could require 11 years to pay back, and balancing Siemens Hall could pay for itself in just less than six years.

The committee will begin long range energy planning at its next meeting. The master plan's scope is between two and five years, according to Ortiz. The plan will be based on an audit of all permanent campus buildings.

Lehman is tentatively planning to become a certified inspector by completing the required three-day course. He wants to put a team of students to work under his supervision for the full-campus audit.

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# Outdoor discovery goal of Y.E.S. program

By LAURA FENNELLY  
staff writer

Wilderness and outdoor access for special individuals is the main goal of the new Youth Educational Service's Discovery Outdoor Program, according to its director, Austin Smith.

Smith came up with the idea for the program, which caters to individuals with low income and physical or mental disabilities, last spring.

He was influenced by the Redwood National Park controversy. He said many people have been critical of setting aside more federal land in the park because they claim only students or people with money have the time and resources to enjoy the outdoors.

A boatman for a Bay Area river-touring association during summers, Smith said he never saw minorities, low-income or disabled people on trips.

"If things are structured properly, anyone can gain from an outdoor experience," he said.

The program, which began last fall after it was approved by YES Director Pamela Kambur, has been primarily in the organizational stage. There have been workshops on equipment, safety criteria discussions and river-guide training sessions.

Smith, a 23-year-old working toward his teaching credential in elementary education, said that in the fall and winter the program includes hiking and beach trips. In spring, participants make river runs.

John Ritter, of Outdoor Adventures, a San Francisco rafting company, helps Smith train Discovery volunteers to lead river trips in a guide certification program.

Chris Canaday, an 18-year-old HSU wildlife major, said he is a program

volunteer because it gives him a chance to "get out and experiment with new techniques and games in nature."

Canaday, who will be a guide on the river runs has had experience with minority and disabled boys at Camp Pico Blanco in the Big Sur area. He said that most of the participants in Discovery are 13 to 16 years old.

Smith said that, although weather could be a deterrent to Discovery trips, he thinks it's good for people to feel the full impact of "the natural elements raging about them," unless it is dangerous to their health.

He said a person in a wheelchair, many times, has only the opportunity to move from a car to a building.

Discovery is a 4-H program funded by the Associated Student Body and United Way.

Smith, who has been with YES for five years, said ASB really helped out the

program by allocating \$850 for equipment and travel.

Discovery receives materials and advice from Environmental Traveling Companions, a San Francisco group that sponsors wilderness trips for special needs individuals. Other equipment is donated to the program by river companies and private individuals.

Participants in the Discovery program are required to pay a \$2 annual insurance fee; the trips themselves are free.

Discovery is made up of 10 volunteers, six women and four men.

Smith said although Discovery doesn't need any volunteers, if a group or organization would like to take part in a wilderness experience, it can contact Discovery Monday through Friday, 9 a.m.-5 p.m. at 826-0566, or write to Discovery, House 91, Humboldt State University, Arcata, Calif., 95521.

## SLC urges evaluation of student assoc.



Editor's note: Last week's article on SLC action incorrectly attributed the California University and Colleges System with fighting against tuition. It is actually the California State Students Association.

By MARIANNE MASTRACCIO  
staff writer

The Student Legislative Council will ask sister institutions, which, unlike HSU, are part of the California State Students Association, to re-evaluate the effectiveness of that organization.

At the end of February, the CSSA staff, which acts as advisor for the association rather than policymaker, met with the State Department of Finance in Sacramento. They discussed a list of programs they thought could be cut from

school budgets to offset tuition if Proposition 9 passes.

"The CSSA is very upset that their staff did this," Associated Students Vice President Susan Weyl said at the council's meeting. The association has not yet supported the items discussed at the meeting.

Marcus de Leon, SLC member, said the "CSSA is disclaiming all responsibility for the list."

"Their hit list was really long," Weyl said. "Tuition may even be better than cuts in the quality of education."

According to Weyl, the State Academic Senate was also upset with the action of the CSSA staff. The Senate, as well as the students on the council, believe both faculty and students should present an agreed-upon philosophy for budget cuts.

"We should be a united front," she said.

According to de Leon, the CSSA staff is supposed to "act as an ambassador, not a policy maker."

Weyl said staff Legislative Director Steve Glaser made statements to the Department of Finance prematurely.

"When we withdrew from the CSSA, our concern was with the structure of the system," she said. "It was a question of who was working for whom. The CSSA staff should act as the association directs, on the advice of the staff, but go no further."

In other business, a proposal was made that would have students walking to classes to the chimes of a carillon.

Student representative of the Academic Senate Todd Lufkin told the council funds would be sought from the AS for the chimes.

Although he gave no dollar figure to the council, Lufkin said HSU President Alistair W. McCrone would match the figure provided by the AS, and that the University Foundations will match the combined dollars of the AS and McCrone.

The carillon will simulate with eight loudspeakers the ringing of large bells.

Lufkin said "it's the best simulation you can have this side of Europe."

## Oceanography course offered

A two-unit course on oceanography will be offered in April and May by HSU's Continuing Education Office for teachers and other interested persons.

The course will be offered Saturdays from 9 a.m. until 5 p.m. on April 26, May 3 and 10 and will be taught by Donald MacLean, Arcata School District superintendent.

Participants may register at the first class session in Siemens Hall, Room 118. There will be a \$56 fee for the class.

Some of the topics to be covered include utilization of ocean resources, fishing techniques of the future, undersea apartments, tools of the oceanographer, saline water conversion, sea mining, plankton and resources for the classroom.

Further information regarding the course may be obtained by calling the HSU Continuing Education Office at 826-3711.

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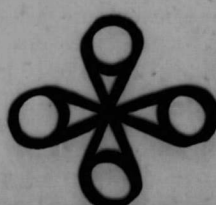
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## Basement Views

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At the stroke of midnight the festival ended. The annual Earth Day was put away like the nine before it, to be forgotten and then anticipated each year like a spring holiday. It started as a faddish thing in 1970, a distraction to the agonies of Vietnam, but unlike the past, the year 2000 will see environmental awareness as not just a fad but our key to survival.

We now have a sophisticated ecological understanding that makes survival possible, unlike generations before us. We desperately need this perspective to deal with two major dilemmas: a booming world population and an accelerated use of natural resources.

By 2070, less than one hundred years, the world's population is expected to reach 4.5 billion people, five times what it is today. In the U.S. economy, approximately 75 percent of all energy consumption is in the form of petroleum and natural gas. Yet the United States passed its peak in production in both oil and natural gas at the start of the 1970s. A sense of pessimism is hard to shake.

Advocates of solar, wind and geothermal power say these forms of energy are the answer, but answers to the complex problem of our earth status are not that clear. Even with these viable possibilities, America remains committed to nuclear energy and its inherent wastes and hazards.

Driving small cars, sacrificing the second home in the country, even passing up another record album, are small but important steps, yet they contradict our "material prosperity" that is synonymous with America. Capitalism with a capital "C" is no hero to the situation. And though obsession with material goods seems a prime evil (and no one can deny that capitalism is responsible for our material prosperity) it is a necessary condition for human freedom as well (a paradox of no small magnitude).

There are no simple answers but there is one that provides a basis for all others: Earth Day has to become a daily event, celebrated and practiced 365 days a year. How are we to know how individuals or groups of individuals will act in the face of scarcities? How are we to know whether science and technology can keep pace with the problems that are so often a side-effect of advancement?

If our sense of civilization doesn't hold up, and conservation doesn't become a way of life for each and every one of us, then our bimillennium won't be much to celebrate.—dc



## Letters to the editor

### Nuke kooks 'B'ware

Editor:

Now they've finally done it! Those Redwood Alliance anti-nuke kooks have hoodwinked the voters of Arcata into jeopardizing our future.

We've passed Proposition B that does what — probably cuts off our safest form of cheap energy. Now we'll have to burn coal and oil to keep our lights on and heat our homes. This will cause great pollution problems, not to mention a gas and oil shortage. How will I be able to drive to Valley West for my groceries?

Fortunately, not everyone is looking backward. The federal government is getting ready to open up the coast for oil and natural gas development. Soon the coastal shelf will be lined with derricks pumping the precious petroleum out of the ground.

Humboldt County is slated for natural gas development; good, clean natural gas.

The only problem is we won't get to use the gas. It will be shipped out to refineries in other areas. What we need is a refinery right here on Humboldt Bay. Not only will we be energy independent, we'll have lots of jobs.

It won't be easy, though. Those eco-freaks will probably cry and complain about environmental

hazards. Phooey! A cold house is an environmental hazard. So write to your congressman and urge him to support offshore drilling. Face it folks, it's derricks or dereliction.

Robert Pierson  
graduate, undeclared

### Laissez 'unfaire'?

Editor:

Almost every day on campus we are prevailed upon to join the Libertarian cause and to largely do away with this nuisance, the U.S. government.

The Libertarians have a focal point on campus, and a politically wise one; that is, no draft.

I'm not writing to extol the virtues of conscription; under no circumstances should the government — our government — step into a person's life and compel him or her to kill other human beings. The Libertarians would seem to agree, however, that a closer look at their platform turns into nothing short of hypocrisy.

President Carter has said we will protect our vital interests in the Persian Gulf by whatever means necessary, including military force. What are our vital interests in the Persian Gulf? Oil, of course.

The Libertarians don't seem to be mentioning that their candidate for president, Ed Clark, is an anti-trust lawyer for Atlantic Richfield (Arco to us consumers — you know, gas, oil ...).

On the one hand Clark doesn't think we should have to fight a war, but on the other hand, it's him and his executive buddies whom we'll be fighting for.

The Libertarians would like to free us from other government constraints, all of them to be exact, and not only us, but every other noble corporation in this country.

The Libertarians want to put nuclear power in private hands without regulation.

If the Libertarians want to restore our civil liberties, how about our right to a healthy environment? Are the nuclear contractors going to keep our safety in mind without the government looking over their shoulders? I doubt it. They can't even do it with government intervention.

How about no Environmental Protection Agency or no Food and Drug Administration? Yep, the Libertarians will do away with those, too. Is Louisiana-Pacific going to set aside wilderness areas when there's no one to tell them where they may or may not cut? Not likely.

Let's face it: laissez faire capitalism went out with Adam Smith.

Freedom is the basic tenet of our society, almost regardless of any petty government interference (even though there have been some not so petty ones that can't be forgotten).

Sure, we have to curb government power over the individual, but let's cut wisely, not throw the whole system in the trash.

Jeff Tash  
freshman, oceanography

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# More letters to the editor...

## An a-Ford-able price

Editor:

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## Hitting and missing

Editor:

How many students actually know about HSU's Long Range Planning Document, let alone what it embodies? The preamble states the purpose (of the document):

"This document sets forth a basis for academic program planning for conditions under which the university does not have sufficient resources to support all programs it would like to offer in the way which it would like to offer them."

What this means is that during times of economic straits, not all programs currently offered at Humboldt would survive.

The preamble further states HSU has "recognized the need to plan academic programs to pursue specified university goals. These goals and this mission have been adopted in consultation with the faculty of the university ... (and) reflect those emphases in allocation processes as well as in the curriculum review aspects of academic planning."

In effect, those highest-ranked majors will be supported, and subsidized if necessary, by

resources sequestered from programs assigned a lower priority.

The highest-ranked majors, those which are the foundation of the strength of the university and additional mandated programs deemed central to the goals and mission of the university, include the entire School of Natural Resources, environmental resource engineering, multiple subjects credential programs and single subject credential programs.

The lower-ranked majors, or the "hit list," as it is referred to, include East Asian studies, home economics, industrial arts, journalism, liberal studies — language studies, liberal studies — child development, liberal studies — recreation, nursing, social welfare and speech pathology and audiology.

These classes will be the first to experience cuts if deemed necessary to retain those ranked higher in priority. Even lower than the "hit list" are those majors at the graduate level, with education and speech and hearing lowest in this area.

What can we do? As students we can make our views known to the proper people. At the meetings at which this document was debated, the only students present were nursing majors.

It has been pointed out that the bulk of the "hit list" contains majors with a very high degree of women faculty and students. The faculty were adequately represented and their views were made clear. This resulted in some changes. It isn't too late for the students to vocalize themselves as well.

Todd Lufkin  
academic affairs  
commissioner  
graduate, social science

## Be watching for us

Editor:

As Humboldt State University students with a deep interest in university and community affairs, as well as in the quality of education, we have become increasingly concerned with the lack of campus unity and the all-too-prevailing alienation which students feel. We believe student government has the potential to work on unifying campus interests and that its main focus should be on student services and needs.

Because we believe we can fulfill this potential with hard work and with new and positive ideas, we have decided to seek the positions of Associated Students president and vice-president, respectively. Please watch for our specific ideas on such issues as student cooperative housing, alternative transportation and our all-out support of the quad programs. Thank you.

Marcus DeLeon  
political science

Elizabeth Michael Quinn  
accounting

## Fore-hand fantasies

Editor:

As anyone who has ever tried to register for a tennis class at Humboldt State University knows, tennis players very nearly outnumber redwood trees in this county. And finding organized opportunities to play competitively up here can be tougher than Bjorn Borg's top-spin.

Last spring, however, the women's tennis team sponsored an open tennis tournament that went a long way toward filling this void. Competition was held in men's and women's singles, men's doubles and mixed doubles. Although everyone could not win a prize (I was soundly thrashed in the second round of singles play, 6-0, 6-0), the real reward was handed out indiscriminately: the chance, merely, to pit your skill against another's in an atmosphere of good-natured competition.

I don't know if the women's team is planning on sponsoring another tournament this spring; I certainly hope so. If not, perhaps the university can patch together some kind of tournament play (preferably open to the community) to take its place. The courts are already there, after all, and the participants will supply the needed equipment. All that's needed now is a little time and organization, and that's surely a small sum to ask in return for the cartload of smiles any tournament is bound to produce.

Besides, every tennis player should have the chance to play center court at Wimbledon... in imagination, anyway.

Randy Waltrip  
senior, journalism

## Truman/Tanner team

Editor:

Regarding your item in last week's Lumberjack, "Scholarship Program Expands," (page 21) students need not call or write to Washington, D.C. for information on the Harry S. Truman Scholarship Program; they may contact me, faculty representative for the program since 1977.

Candidates for the 1981-82 award must be in their junior year during September, 1981. Applications must be made one year in advance. Therefore, interested applicants must have a sophomore standing in the fall of 1980, the time at which applications are considered.

Students need not be history majors to apply. Anyone who anticipates government service in any capacity at any level is eligible.

I encourage those interested and who meet the qualifications to see me before the end of spring

quarter. The applications are somewhat comprehensive and demand some thought and preparation which could be worked on during the summer break.

William R. Tanner  
associate professor, history

## Honesty still lives

Editor:

I would like to thank the honest, beautiful person on our campus who did a humanistic deed. I lost my wallet on April 14 in or by the lower floor of Gist Hall. Some very nice person or persons found it and then turned it over to the university police with all contents still intact.

The university police receptionist-dispatcher could not tell me who had turned the wallet in, so I would like to take this space to thank them very much. It's a fantastic feeling to know there are still honest people in this world and on the HSU campus. It's great to know some people still care enough about others and their property to do a good deed for a stranger.

Kevin C. Forbes  
graduate student,  
speech pathology

## Walking on A.I.R.

Editor:

I have known very few seniors to graduate without some hitch in the process. There is no describing the agony of finding out there may be a delay in a long-awaited event like graduation. I was at a complete loss as to what to do when I discovered a deficiency in my graduation requirements.

There is hope, and this letter is actually a sincere thank-you to a wonderful service on campus, the Academic Information Referral center. I want to especially thank Annie (Lolly) Haston for her expertise, help and belief in a solution to my problem. She kept plugging when I was ready to give up. I know this problem could not have been solved without the diligent efforts of the A.I.R. center.

I strongly urge any student to utilize the services of this excellent program. Again, my heartfelt thanks.

Laura G. Pierce  
senior,  
biology and zoology



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Letters intended for publication must be typed, double-spaced, two pages maximum and signed with the author's name, major and class standing if a student, title and department if faculty, staff or administration member and town if a community resident. The author's address and phone number should also be included. Names may be withheld upon request when a justifiable reason is presented.

The deadline for letters and guest opinions is noon Friday for next-week publication. All items submitted become the property of The Lumberjack and are subject to editing. Publishing is on a space-available basis.

Letters and guest opinions may be mailed to or left at the Lumberjack office, Nelson Hall East 6 (basement), or deposited in the Lumberjack box located inside the entrance of the HSU library.



## Analysis

### Along the soft path

# Solar collectors sophisticated but easy

Editor's note: This is the second in a series of articles examining aspects of soft technology.

By MARCUS BROWN  
guest writer

Acceptance of solar energy continues to grow. The stereotypes of solar energy as an exotic or unproven technology are melting. The principles involved in solar design have been used for centuries. In the early 1900s, commercial solar collectors were available and widely used.

Many people would like to build solar collectors, but like most skills or hobbies, the hardest part is getting started. Actually, the principles behind solar technology are very simple; it just looks complex when you don't know what all the pipes and stuff are for.

Everyone has experienced the most basic principle of solar technology; that is, when sunlight shines on you, you get warm. This is the basic idea behind all solar technology, except for photo-electric cells.

The simplest of all solar collectors is a garden hose laid in the sun, or a coil of black plastic pipe on a south-facing roof. In the summer it works great and the water coming out is very hot. But, as the days get cooler, the water isn't as hot. What went wrong? The sun is still heating the hose, isn't it? Yes, but the air is cooler. The heat absorbed by the hose is then given up to the air.

The next trick is to find a way to let the sunlight warm the hose or pipe, but not let the heat escape. This is usually done by building an insulated box with a window in it. Now, the sunlight can enter the window, and stays warm inside. Since a single layer of glass is only a fair insulator, most people add a second layer of glass. This is called "double glazing." To improve the insulating value even more, a one

fourth inch air space is left between the two sheets of glass. This air space is a good insulator and improves the efficiency of the collector.

To get even more heat into the hose, a large sheet of metal painted black is often used to gather more sunlight. The hose, whether it is plastic, steel or copper pipe, is attached to the sheet. The metal heats up quickly and the heat is then absorbed by the water in the pipe.

So now we have our sophisticated solar collector, but would like to have enough water to take a long shower. This means heating a tank full of water. This is done by connecting the hose from the solar collector to the water tank. The hot water from the collector can then flow into the tank and mix with the cooler water. The cooler water flows out of the tank and into the collector, and around and around it goes.

How do we get the water to flow through the pipes? One way that doesn't take much planning is to put a small pump in the loop of pipe and push the water around.

However, there is another way that uses the energy from the heated water to move it. That is to set up a thermal siphon. The basic idea is that when water or air is heated, it expands and becomes lighter. This lighter water or air then wants to "float" on top of the cooler, heavier water or air. In other words, warm air or water rises, and cooler air or water sinks.

So if you put your storage tank a few feet above the level of the solar collector, the warm water will rise into the tank. Since the water in the tank is cooler, it will flow downward through the outlet pipe at the bottom of the tank and into the bottom of the collector. The water is heated again, and around it goes. Thus, the system powers itself. This is called passive solar. Active solar is actively using a pump or machinery to make the system work.

When we say that the cooler water flows down to the collector, that doesn't mean the water is cold. It

means that the water is not as hot as the water leaving the collector. In other words, the water going from the collector to the tank may be 200 degrees and water going from the tank to the collector may be 190 degrees.

Another thing is usually added to this system. Instead of having the water from the collector mix with water in the storage tank, a heat exchanger is used. A heat exchanger is a coil of copper pipe inside the tank. The water from the collector runs through this. The heat is conducted from the hot water in the pipe through the copper pipe and into the water in the tank. The advantage is you can use some kind of antifreeze in the solar collector. This way, a freezing night won't break the collector.

The system we have just designed is exactly what you would get if you had a solar water-heating system installed commercially. It costs about \$2,000 with the tax credits, and has a pay-back time of three years.

One more thing is usually done. Instead of using the water directly out of the storage tank, the solar-heated water flows from the storage tank into your existing water heater. If the solar-heated water is hot enough, the gas water heater won't have to use any energy on the new water coming in. If the water isn't hot enough, it only takes a little gas to get the solar-preheated water up to the temperature you want.

So far, we have described one way to build a solar water heater. The "bread box" water heater is much cheaper and easier to build. You get an old water heater and pull off all the covering down to the bare tank. The tank is then painted black and put in an insulated box with a window over it. It's like a loaf of bread in a bread-box. Because of the small surface area exposed to the sun in relation to the large volume of water in the tank, bread box water heaters don't get as hot as flat plate collectors. But, the one I made last summer was plenty hot for a shower!

(Continued on next page)

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# Pot affects driving, memory studies show



By DEBRA CARDOZA  
staff writer

"Harmless" may no longer be a term applied to marijuana if recent studies hold true.

An increase in marijuana study has occurred both statewide and nationally. In California, research is being conducted at the University of California at Los Angeles.

Psychology Professor Herbert Moskowitz is interested in skill performance, especially driving skills, after smoking marijuana.

"We are testing people with driving simulators as well as individual skills performance related to driving," Moskowitz said in a recent telephone interview.

He also said he has given "hundreds of people varying doses of marijuana," but only after obtaining official permission from the attorney general. He contacts subjects personally, and they remain anonymous throughout testing.

Moskowitz's conclusion?

"Don't smoke marijuana and then drive a vehicle or attempt to participate in any complex man-machine interactions!"

There has never been any research conducted at HSU, and psychology department Chairman Dennis Musselman cites the lack of funds available for such research as the key problem.

"One of the reasons the drug companies aren't funding research on marijuana is because it is a natural substance; they wouldn't be able to patent it," he said. "As a result, they aren't interested in researching the effects."

Fortunately, schools are not the sole institutions conducting research.

A group of psychologists at the Palo Alto Veterans Administration Medical Center became interested in marijuana's effect on memory. Forty-eight volunteers were used, and after control and an experimental groups were tested on word recall, curves were established.

Overall, the control group remembered more words than did the people who ate the marijuana brownies used in the experiment.

However, it was the first and middle words on each list that the people who were actually high forgot. The last items on the list were remembered with average accuracy.

Implications suggest that short-term memory is not affected by marijuana, but the ability to form lasting, new memories is.

On the national level, the National Institute on Drug Abuse recently released a report, "Marijuana and Health." According to the report, the illegal weed is definitely not harmless.

Regular marijuana use "may lead to

lung damage even greater than that resulting from heavy cigarette smoking" and can harm the reproductive systems of heavy users, the federal researchers concluded in the report to Congress.

The current report departs dramatically from one submitted in 1977 by the institute which found apparent but inconclusive links between marijuana use and health problems.

But lungs are not the only thing affected, according to the researchers.

The report includes a study of 16 men who smoked from 8 to 20 joints a day for four weeks in a hospital experiment. The men reportedly experienced a decline in sperm concentration and a decrease in sperm mobility. The report added that decreased fertility may be temporary and many men's reproductive systems return to normal after abstinence (of marijuana.)

Women smokers have reportedly experienced problems with menstrual cycles and ovulation, according to the report.

## Bread-box is simple

(Continued from page 6)

A Youth Conservation Corps camp I worked at in northern New Mexico had totally solar-heated water. The water was heated in a row of old water heaters stripped and painted black. The outlet of one tank flowed into the inlet of the next one, and on down the row. The outlet of the last one was the showers and sink. This was a huge bread box heater and there was enough water for showers for 40 people!

Now that you have the principles, you can design your own system. Give it a try. Draw some pictures of your ideas. Dream a little. You'll be amazed at what you can come up with!



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# Women aided inquest for self-sufficiency

By LISA TODARO  
staff writer

By 1985 women will account for nearly 40 percent of the total U.S. labor force, according to projections based upon statistics from the Bureau of Labor. Yet the current data shows that the

direction of this growth of the female labor force is still primarily concentrated in certain occupations in which women have traditionally been employed.

Women's Resources for Work, located at 517 Third St., Eureka, was established to facilitate the economic independence of women by opening doors to non-traditional

career opportunities for women in Humboldt County.

WRW, a non-profit organization, serves as an intermediary agency between blue-collar work employers and women seeking permanent placement within this sector of the labor market.

Kate Jeffers, director of WRW, explained that although non-traditional career exploration is stressed, women who have acquired traditional skills and feel satisfied in those areas of employment are also provided with career placement assistance.

Jeffers said that to discourage women who seek traditional work would defeat the organization's primary goal, which is to encourage and assist the economic self-sufficiency of all women in Humboldt County.

Since it was incorporated in April 1978, WRW has placed women into such occupations as carpenter apprenticeships, drill press operators, hot-tub builders, auto-mechanics, lumberyard workers, plumbers, potters and television technicians.

Also, despite the data collected by the Equal Employment Commission which reported a small percentage of women holding management positions in general throughout the United States, WRW has succeeded in placing women in manager-trainee positions in Humboldt County.

Over the past two years WRW has achieved a 75 percent success rate with the women who have completed the organization's services program.

The program includes several steps. First, an orientation is held every Friday morning which explains the program and available resources.

The next step is counseling and assessment in which individual career plans are developed.

This is followed by pre-employment workshops aimed at developing expertise in job preparation and job interview skills.

Once the client feels prepared, WRW provides referrals through the Comprehensive Employment and Training Act for on-the-job training and to apprenticeable or skilled trades jobs.

The staff for WRW consists of 12 women who believe the need to improve the status of women in the labor force is vital.

Their job is to hustle so their clients don't have to, by making contacts within the community to gather accurate and current employment information. This enables their clients to obtain this information by simply dropping by the office.

Morgan, a career counselor, explained that the success behind WRW is its strength and credibility to help women become aware of their abilities, guide them while they develop solid future plans, then stand by them while they begin to implement their plans and, finally, give them support until their goals become reality.

"That's the major thing that makes us work," she said.

The feedback the staff has received from both employers and women placed in well-paying, growth-fulfilling jobs has emphasized gratitude for their assistance and encouragement for continued service to the county.

The staff of WRW sums up its philosophy in its slogan, "We can't do it for you ... but we can do it together!"

## Fungus distribution mushrooms

By LESLIE LOLLICH  
staff writer

Humboldt State University has a unique program on campus that distributes fungi samples to researchers all over the world.

In an interview last week, Raymond W. Barratt, dean of the School of Science, said the Fungal Genetics Stock Center adds to the prestige of HSU.

"Everything that goes out has Humboldt's name on it," he said.

The program is supported by the National Science Foundation, which supports about a dozen programs like the FGSC. According to Barratt, the others deal with mice, corn and other specimens in the study of genetics. The FGSC is the only stock center in the world that deals with fungal stocks.

"The (fungus) samples are supplied free to anyone, provided they are used for research," Barratt, the director of the FGSC, said. He added that less than 5 percent of the samples are used commercially, in which case users are charged \$40 per sample.

The FGSC has 4,000 different cultures.



Many of the samples are genetic mutants produced in laboratories, and about 20 percent are collected in nature.

The FGSC began operating at Humboldt State University in July, 1960. When Barratt accepted his current position at HSU in 1970, the FGSC moved with him.

HSU provided funds for modifications to the lab in the basement of the University Annex, as well as some equipment. In 1973, the facilities of the annex were leased on a long-term basis by HSU.

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# Access:

By DAVE FISHER  
staff writer

## Facilitating independent living, awareness objectives of county program for disabled

Going blind is not only traumatic; it also presents practical problems.

Cooking a meal can become an almost impossible endeavor. Labels on jars can't be read; setting the temperature on the oven becomes a guessing game; finding the proper utensil in a drawer can be dangerous.

There are numerous tasks, such as these, for which most people rely upon sight to accomplish.

How can a person who is going blind prepare to cope with these problems and still stay independent?

One place to turn for help is the Humboldt Access Project.

According to a program synopsis released by HAP, the project is an "independent living program for physically limited teenage and adult residents of Humboldt County."

The organization has a membership of disabled and non-disabled persons which elects a nine-person board of directors. The board hires the service staff.

Cindy Welcker, HAP office manager, said HAP has a number of services for all the physically disabled, not just the blind.

Using the above example, Welcker said if a person is going blind and went to HAP, the service would send its occupational therapist out to the person's house and help solve the problems he or she will encounter.

"If a person needs our assistance, we make him or her a client right away," Welcker said in an interview April 11.

Welcker said HAP was incorporated in January 1978 and received its funding in September of the same year. Most of the funding comes from the Department of



CINDY WELCKER  
Humboldt Access Project

Rehabilitation and a Comprehensive Employment and Training Act grant. Welcker said last year's revenues were upward of \$100,000.

However, she also said private donations are an important part of the program's income.

"We really have raised a lot of financial support from the community," she said.

Included in HAP's 13 staff members are two peer counselors, a part-time nurse, a part-time occupational therapist, a services coordinator, a part-time deaf services specialist and two drivers for HAP's wheelchair-accessible van.

The services HAP provides are many and varied. Accessibility, however, is the idea behind most of the program's objectives.

According to the program synopsis,

HAP has the overall goal of "facilitating independence and full integration into the community for the county's estimated 1,500 physically-limited residents."

"Our services have touched the lives of over 200 people," Welcker said.

Some of the services provided include peer counseling, accessible transportation, independent living skills training, personal attendant referral and health and nutrition counseling.

Welcker said HAP is also creating a recreation program to help build an awareness of recreation's importance. (HAP sponsored the recent wheelchair games held in this area.) HAP has also sponsored workshops in attendant training at College of the Redwoods.

Welcker said the organization has a lot of outreach programs to help increase awareness about disability and encourage community support. Presentations are given to the area's service clubs and organizations, physical therapy groups, hospitals and nursing homes.

"At this point, we're pretty well-known in the health-care community," she said.

Welcker emphasized that part of the objective in creating this community awareness is to help identify those disabled persons who could benefit from HAP's support.

She said HAP encouraged people to volunteer as attendants to disabled persons that needed one. When a person volunteers to be an attendant, the whole service staff screens the person, then tries to match up the volunteer with a client.

The program also does advocacy work for the disabled, attempting to identify and encourage agencies mandated to provide services to fulfill their responsibility. Welcker gave examples such as getting handicapped parking spaces and public

buses equipped with an electric lift.

"Transportation is probably one of the biggest accessibility factors," she said.

HAP's van has an electric lift and, according to Welcker, is probably the most-used service. She said the van is driven upward of 2,500 miles a month.

She said "low-key advocacy" is used to inform employers about such things as tax benefits available for hiring the disabled and for building modifications.

Most of the public buildings in the Eureka area are fairly accessible. Welcker said, and added that HAP has a committee to deal with access problems. She also said it has never really had to use any pressure in getting more accessibility.

Private buildings are not mandated by law to be accessible, although Welcker said any organization that gets federal money has to be totally accessible.

She said Eureka has a lot of older buildings with narrow doorways and steps, but that the owners generally were interested in seeing how they could help.

"In fact, many people call in to see how they can make their building more accessible," she said.

HAP will participate in some upcoming fundraising events. The Walk for Humanity will take place May 31, and participants can designate their pledges to HAP.

"We're calling it the Walk and Roll for Humanity," Welcker said, "because some of our clients in wheelchairs will be participating also."

She added that in June, a Eureka hair salon will sponsor a "cut-athon," in which all proceeds will go to HAP.

HAP's office is located at 428 First St., Eureka. For more information concerning HAP, call 445-8404. A TTY line, 445-2219, is available for hearing impaired persons.

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# Request for studies extension asked by PG&E

By MICHAEL ROSS  
staff writer



Pacific Gas and Electric Company officials have asked for more time to determine the seismic safety of the Humboldt Bay nuclear unit, according to Roy Atkins, division manager.

Atkins explained that after four years of extensive seismic studies, geologists have not yet determined the plant's safety and have requested an extension to Oct. 1, 1980, in order to gather more information.

"Regions as far north as Trinidad and as far south as Scotia are included in PG&E's studies," he said. "There are earthquake faults in these areas. The geologists are seeking to forecast the magnitude of possible earthquakes and to determine whether the nuclear unit can safely withstand them. Our consultants have not yet gathered enough data to make a definite recommendation to the NRC."

The Nuclear Regulatory Commission will consider PG&E's request for an extension at a June 3 hearing in the Veteran's Memorial Building in Eureka.

"Only company experts, consultants and those persons classified as 'intervenor' will be permitted to give testimony during the hearing," Atkins said. "However, the public will be permitted to attend."

Since the plant's construction in 1963, the Humboldt Bay nuclear unit operated successfully for 13 years until it was shut down for maintenance and repairs in 1976.

After the shutdown, the NRC became concerned about the seismic conditions around the plant and began extensive geological studies of the area, according to Atkins.

"When the plant was first built, it met all governmental regulations," he said, "but as we gained more knowledge of the area's seismic conditions, we began to investigate the safety of the nuclear unit."

According to PG&E employee Ed Slinger, Humboldt County was the most economical choice for the plant's construction.

"Because this area is fairly isolated, Humboldt County was the most economically-wise location for the unit. With the unit serving the North Coast, it lowered PG&E's costs," Slinger said.

## Big business blasted in one-sided debate

By LORIN RATLIFF  
campus editor

It was big business day in the HSU quad last Thursday afternoon, and four persons spoke against big business' role in society.

Lynn Boltano, HSU student, said the discussion was to be two-sided, but she was unsuccessful in getting people to speak in favor of big business.

"Obviously it (the discussion) is going to be biased," she said.

The forum was to try to open up channels and to increase awareness of the role of big businesses she said.

David Allyn, associate professor in history, spoke on multi-national corporations in South Africa, limiting his remarks to the implications of the Sullivan principle.

The principle was named after the man who urged change in U.S. operations abroad, Allyn said.

"Corporations in this country saw in the Sullivan principle a code of conduct," he said.

Allyn cited six principles of the code:

non-segregation of races, better work facilities, equal and fair employment practices, equal pay for all employees, training programs and efforts to improve living conditions outside of the working place.

After explaining the principle to about 200 students Allyn said, "Corporations do not exist to reform society. Rather the role of the corporation in this or in any other society is to maximize profit, and historically South Africa has been a profitable place for U.S. companies to operate."

Susan Shalit, director of the Humboldt Housing Action Project, directed her comments toward the role of corporations related to apartment complexes.

Shalit said big businesses show no consideration for the local community.

"Big businesses are attempting to add more regulations to our state constitution by Proposition 10," she said.

Proposition 10, which will appear on the June 3 ballot, permits rent control only by voter approved local ordinances. It also

permits annual increases pursuant to specified standards.

"Proposition 10 is institutionalized, constitutionalized rent gouging," Shalit said.

HSU student Dan Faulk spoke on corporate crime in the United States.

Corporate crimes are not recorded by the government, Faulk said. The statistics are kept, and no costs are estimated.

"Corporate crime is widespread," he said. "Corporations are going to continue to kill until each one of them decides it's time to say no."

Tom Croft, a local lumber company employee, mentioned changes in the lumber industry from corporate involvement.

Citing examples in Arcata, Croft said small plywood mills are being shut down, and entire communities are being forced into unemployment.

As an industry becomes modernized it builds bigger plants and it uses more machinery, he said. The more machinery it has the less people it needs.

"A lot of people will be leaving the community," he said.



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# Math is focus for 'intellectual holiday'

By DEBRA CARDOZA  
staff writer

An "intellectual holiday" occurred at HSU last Saturday with math students from local junior high and high schools attending.

The 21st Annual Redwood Empire Mathematics Tournament had more than 350 contestants with 200 prizes and trophies awarded. The tournament was sponsored by HSU in cooperation with the Humboldt County Superintendent of Schools. A grant from Simpson Timber Company also made the event possible.

James Householder, HSU math professor, has been director of the tournament since it first took place.

"The tournament has always been held at HSU since the beginning," Householder said, "with members of the math department helping out." An active member this year was David Klarner, visiting math professor from New York.

Householder commented that no school stands out year after year, but added that he's seen "excellent students from all schools." He insisted, however, that "this tournament is not just for the genius—it's for everyone!"

The tournament is unique in California and was conceived in order to recognize achievement and to increase interest in mathematics.

"There's nothing like it anywhere," Householder said. "It's an event based on fun thinking."

The event began with morning registration followed by four testing periods where students were quizzed on elementary algebra, fractions, geometry and abstract thought.

Is this sort of thing fun for the mathematically inclined?

"I learned a lot of things from the tests," said Kevin Ames, a ninth-grader from Jacobs Junior High in Eureka. "It was both hard and fun, but it wasn't like regular semester tests at school."

Greg Conner, also of Jacobs Junior High, said he'd like to go again.

"It's a good way to reward students who work so hard in school," he said. "The recognition can mean a lot."

The recognition can come in the form of



PARTICIPANTS IN HSU-sponsored math tournament test their skills in the annual event. More than 350 high school and junior high school students attended.

prizes such as math books, or one of three Tucker Trophies awarded this year. The trophies are given in memory of Micheal Tucker who was an active member of the HSU mathematics department before his recent death at age twenty. He participated every year from seventh through 12th grade, and helped with the tour-

namment while attending HSU.

Contestants Teri Lewis and Van Trang Nguyen, seventh-graders from Eureka's Zane Junior High School summed up the event:

"Most of it was fun and we would like to come again, but next time we would study more ahead of time!"

## Forestry scholarship available

Applications are now available for a special four-year college scholarship in forestry.

The scholarship, provided by Louisiana-Pacific and the American Academy of Achievement, is available to high school seniors attending school or residing in a community where Louisiana-Pacific has a manufacturing facility. The scholarship award can total up to \$8,000.

The scholarship is limited to four-year college programs leading to a degree in forestry. The scholarship winner will be honored at the Academy of Achievement annual Gathering of the Greats, July 10-12 in Los Angeles.

For scholarship details and applications, write to the American Academy of Achievement, P.O. Box 1087, Pacific Palisades, CA 90272. Deadline for application is May 1, 1980.



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"...BEING THERE, available for the children, is the most important thing."



By DAVE FISHER  
staff writer

Senior citizens are not always viewed as contributing participants in our society. In fact, many people rarely even deal with them, except perhaps in a visit to an older relative.

Younger people, particularly those still in elementary and secondary school, are often separated from contact with senior citizens in their day-to-day activities.

A program in the Eureka area is helping to span this generation gap and the reaction to it has been positive. The program, Foster Grandparents, is ACTION-sponsored.

The program, which is in its seventh year of operation, benefits everyone involved with it, according to Hans Loeff, its area supervisor.

"The program is designed around utilizing the senior citizen. We want to get them back in the mainstream of life and use their talents," Loeff said in a telephone interview Monday.

The schools involved in this area are Glen Paul Center for Exceptional Children and Winzler



JACOB BRIMWOL shares a contemplative moment before class begins.



Mm Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz

photo by  
J.K.K. Hylarc



**ANOTHER FOSTER GRANDPARENT** at McKinleyville School is Moreland's brother, Richard Brown, talking here with Prairie Bernard.

Children's Center of Eureka and Morris, Dows Prairie and McKinleyville schools of McKinleyville. Kathryn Moreland, 74, is a foster grandparent in Andy Hatch's kindergarten class at McKinleyville school. Moreland has worked in the class every day for the past two years, except when she has been ill. "As far as I'm concerned, I've never had a problem. I think it's great. I learn a lot from them," Moreland said in an interview Friday at the school. Hatch, teacher of the class, said, "Katie is there every day. Some of the kids are close to her. The kids all talk to Katie a lot of times about their problems. I depend on her all the time." The program is set up so that foster grandparents work on a one-to-one basis with selected children, but it doesn't always work out that way, according to Hatch. He said Moreland works with all the kids in small groups at a time. "I think the kids would feel slighted if they couldn't be at Katie's table at least some of the time," she said. "I've always enjoyed working with children," Moreland said. "It helps to let them know that someone cares about their troubles." The foster grandparents are also in higher grades.

Ethel Anker, in her sixth year with the program, is involved with seventh and eighth graders. According to Anker, the first couple of years some of the kids weren't so accepting of her, but that in the last four years, she has had few problems. "I like young people," Anker said in an interview Friday at McKinleyville School. "I don't know how I'd react to the really younger ones." Anker explains her thoughts on her involvement in the program in two words. "I'm living," she said. There are 24 positions in this area, Loeff said. He said the program is actually administered through the Redwood Empire Foster Grandparent Program in Ukiah. The foster grandparents must have a low income and be over 60 years of age, Loeff explained. The seniors work four hours a day and are paid a non-taxable stipend of \$2 an hour with lunch provided by the schools. Bob Bartley, director of Winzler Children's Center, believes that the foster grandparent program is fantastic. "It's one of the nicest things that's ever happened to us. We really count on them," he said in a telephone

interview. According to Bartley and Loeff, the program has been called one of the most cost-effective in the state. Loeff said less than 20 percent of the program's funds go to administrators. The major drawback with the whole program, according to Bartley, is that it is underfunded. "If I could get the funding," Loeff said, "I could put 18 grandparents in every school in the county." Hatch attributed the tremendous response to the program to the fact that the extra help in the classroom is invaluable to teachers. "More things can be done, more projects, more responsiveness on an individual basis. The children really miss Katie when she is gone, too," Hatch said. "Sharing the experiences, both funny and sad, with someone else is another positive thing. I see it as a big plus all the way around." Moreland, at one time a telephone operator, said, "There's never a dull moment. Being there available for the children is the most important thing." For more information on the Foster Grandparent Program, call Hans Loeff at 445-8703.



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## 'Big-bang' ended chaos

By LESLIE LOLLICH  
staff writer

"You all realize that we live in the past. We know nothing of the present, only of the past."

This was one of the ideas expressed by J. McKimmalville in a lecture on Solar Physics and Cosmology last Thursday night.

The lecture was an explanation of the big-bang theory of the beginning of the universe, which says the universe began with an explosion and has been expanding ever since.

McKimmalville, an astrophysicist from the University of Colorado, began by telling the 30-member audience about light.

He said light travels so fast that when one looks at something, he or she is seeing it as it was in the past (a fraction of a second before).

McKimmalville expanded this idea as it relates to the universe.

"It takes eight minutes for light to get from the sun to earth," he said. "If we look at the sun, we can look eight minutes into the past. If a dragon suddenly gobbled up the sun, we'd still have eight minutes of light."

We see parts of the Milky Way, a galaxy of about 100 billion stars, as they were 10 to 20 thousand light years ago.

McKimmalville explained how scientists can see beyond our universe.

He said "neutrinos" are particles that travel through large matter. They can pass through 35,000 light years of concrete without being stopped or slowed down. Neutrinos are emitted from a time when the universe was one one-thousandth of a second old.

"Gravitons" are also particles of light. They are emitted from a time that is called a "jiffy." A jiggy is the time it takes light to travel across a proton. In other words, gravitons are emitted from a time when the universe was a jiffy old.

According to McKimmalville, the time before a jiffy is speculation. Before speculation is what he called "chaos."

"Chaos is that point immediately after the big bang," he said. "When chaos ended, physics began."

"Chaos is a buffer between our world and the moment of creation," he added.

McKimmalville also mentioned black holes.

"The farther you go back in time, the closer you become to being in contact with a black hole," he said. "Light cannot escape a black hole; it is a very dense object. If anything is a boring universe to be in, it is a universe of black holes."

McKimmalville concluded his lecture by giving another description of the chaos at the beginning of the universe.

"The Indian cultures had one of the finest descriptions of chaos," he said. They defined chaos as "neither non-existent or existent, nor night or day, nor life or death."

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## Science better equipped

# Departments receive electron microscope



DR. BILL ALLEN enthusiastically demonstrates the new electron microscope that was installed in the science building yesterday.

By LESLIE LOLLICH  
staff writer

A scanning electron microscope installed on campus yesterday will soon be used by the biology and geology departments.

Biology Professor Bill Allen said the \$43,000 microscope is a complicated piece of machinery that will be available to all qualified students.

"It's not just for biology and geology students; anyone who knows how can use it," Allen said.

According to Allen, the microscope operates on principles similar to a television set.

An object is placed in a canister-like vacuum chamber. Electrons are shot into the chamber where they scan the object on the mount.

Secondary electrons are deflected from the object and are picked up by an electron detector. From there they are projected onto a television-like screen.

"We were given the money and wanted to buy the best piece of equipment we could with it," Allen said, but added that HSU bought one of the least expensive models. Some electron microscopes cost as much as \$200,000.

Experience with this microscope will help biology and geology students get jobs, according to Allen, who said electron microscopes enable geologists to determine the history of rocks. They can also be used to tell if oil deposits are in an area.

He said biologists are able to determine

the difference between certain sorts of parasites using the microscope. For example, a person can tell if one type of parasite is in a blood sample and determine what disease the blood contained.

Scientists are not able to determine these things on a light microscope because of the differences in the area a person can see.

Allen said with a light microscope, a scientist can see two ten-thousandths of a centimeter. With an electron microscope, a scientist is looking at seven one-millionths of a centimeter. By looking at a smaller area, the scientist can see more detail.

It would cost \$500 for a technician from San Francisco to come up and fix the microscope, Allen said, but added that "the biology department has an electronics technician on campus who will be able to maintain the machine."

HSU is the last state college in California to receive an electron microscope.

## Test deadline today

Today is the last day to register for the Graduation Writing Proficiency Examination to take place Saturday, May 3.

Register at the Testing Center, Nelson Hall West, Room 237. A \$10 fee is required.

Additional information is available at the A.I.R. office, Siemens Hall, Room 210, 826-4241.

Anne K. Palmer

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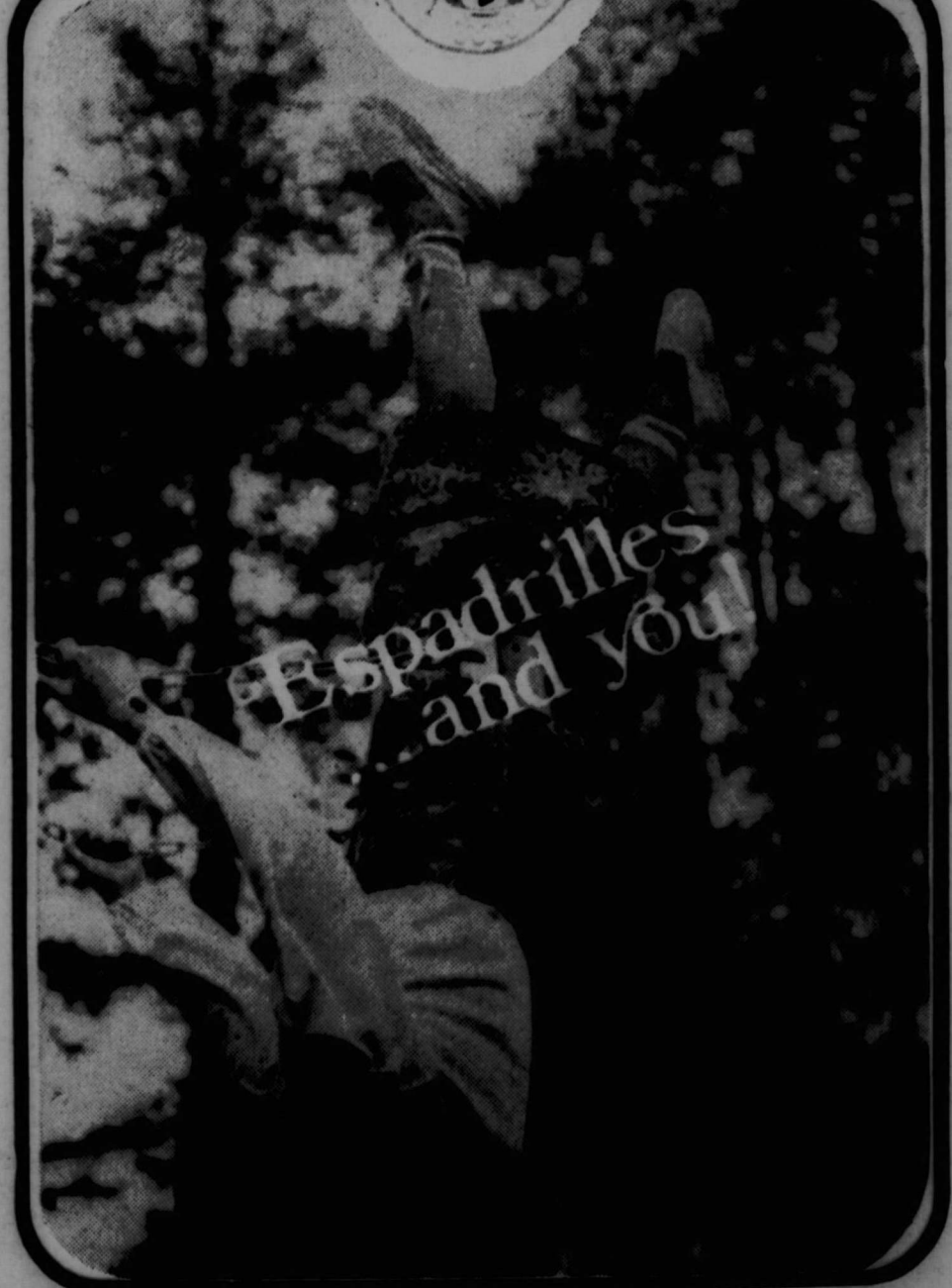
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# Siggy says, 'This job is right for you'

By BETSY CARILLO  
staff writer



SUSAN HANSEN, director of the Career Development Center, helps Beth Smaage with the center's new computer.

If you've ever had doubts about whether or not a particular job may be right for you, SIGI could help you find the answer.

SIGI (pronounced "siggy") is a new computer in the Career Development Center based on a System of Interactive Guidance and Information. It is designed to help students in educational and career planning.

Developed by the Educational Testing Service, it was funded by the university's New Funds for Special Programs and Projects and came to HSU this quarter.

Based on a value system, the computer asks students to rate what values, such as income, prestige and leisure time, are the most important to them.

After establishing these values, SIGI matches occupations that correspond to the values chosen.

"It's a very interesting process," Steven Wrobel, a psychology graduate student, said.

Wrobel found SIGI to be accurate since his values were matched to those of a clinical psychologist, an occupation he had considered.

In addition to the values phase, SIGI consists of locate, compare, planning, and strategy systems.

The locate system searches for occupations that realize particular values, according to Susan Hansen,

director of the Career Development Center.

In the compare stage, a student is able to ask questions, such as the number of women in the field and the average salary for each occupation.

The planning system defines what education is needed, and gives ideas on how to proceed in a given field.

Finally, the strategy system evaluates occupations and involves making decisions as to the rewards and risks of the job, Hansen said.

While SIGI can aid in career planning, "it doesn't replace the human touch," according to Wrobel.

"If you need career guidance, contact a career counselor," he said.

Juliane Poirer, English major, already had a developed concept of her values and skills. She found SIGI to be valuable to someone with unclear career goals or an undecided major.

"It would be helpful to someone who hasn't had any work experience or who doesn't know what they can do other than being a student," she said.

The process takes from one to three hours, depending on whether the entire program is completed and if the student goes back to any of the various systems.

Appointments to work on SIGI can be made in the Career Development Center.

## Five will get you fifty for campus parking violations

By APRIL GREEN  
staff writer

Parking tickets on campus may be less of a problem due to a justice court decision which requires parking regulation violators to post a \$80 bail and appear in court if they receive five or more tickets in an academic year.

"It was a feeling of the court that the parade (of violators) must stop," Sgt. Bob Jones of the University Police Department said in a recent interview. "If you receive five parking tickets a year, that's enough."

The new system began in December and has been "very effective" in decreasing parking violations, according to university parking control officer Steve Sullivan.

"As I see it, we have solved the problem and saved people some money," Sullivan said.

A court decision in December to increase the minimum bail from \$2 to \$5 was not effective in decreasing the amount of situations.

Jones explained that people can afford to pay a \$2 fine and even \$5 is not much of a problem, but a \$80 bail makes people think twice before they park illegally.

Sullivan said people often have the attitude that the UPD is looking to give tickets.

"All I do is try to make the present parking situation work. It's not an easy job," he said.

After a person receives five tickets, Sullivan sends a letter to their address explaining the \$80 bail and asks for a response in order to make corrective measures.

"I'm spending time trying to keep people from getting tickets," he said. "I'd like to make it impossible for people to get tickets."

Half of the money from these tickets goes to Humboldt County; the other half goes to the university for alternate forms of transportation.

"The money we get can only be used for the cost of running the buses and bike trails or other alternatives," Jones said. "We don't get a dime."

Sullivan said the alternatives seem to be effective.

"I would say that more people are taking the bus," he said. "There seem to be less cars on campus." He added that by next fall there may also be 1,000 more bike racks.

Both officers expressed concern over misunderstandings about parking regulations.

"We're open 24 hours and would be glad to explain the situation," Jones said.

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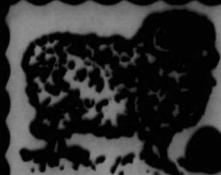
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# Play is a paean to the power of love

By LAUREL DUFFY  
staff writer

"What a day this has been  
What a rare mood I'm in  
Why it's almost like being in love"

"Brigadoon," a simple story of love and faith, belts out its message in a collage of corny songs and Scottish prancing. Lerner and Lowe's musical is a paean to the power of love — an unusual stance in a world plagued with war and indifference.

"Brigadoon" is a joint production of the theater arts and music departments. It has a cast of approximately 90 allowing for greater participation by both music and theater students. The leads have been double cast, according to Micki Goldthorp, stage manager, with a different cast alternating each night.

The musical centers around the romance between Fiona and Tommy. Fiona, played by Sue Green and Martha Dowd, is a resident of the enchanted town, Brigadoon. Tommy, played by Peter Sorenson and George Dudley, is a New Yorker who, with his friend Jeff, Stewart Washington, stumbles on the whimsical, transient "Brigadoon."

The town is a miracle of the town preacher's love, who wanted to protect the town from witches marauding through the countryside. His prayers make Brigadoon appear for only one day every hundred years. For the people of Brigadoon only a day passes, for the world, a century. There is a catch: no one in the town can leave or the enchantment is broken for all and Brigadoon disappears forever. Catch number two: you can stay in Brigadoon, if you're a New Yorker, only if you "love someone very much" in the town. Here's where Tommy and Fiona's love gets the big test.

The world of "Brigadoon" has been created by using the whole theater, the aisles and balcony included. The sound of



MR. LUNDY, played by Gary Arbino, tells actors Martha Dowd (left), Peter Sorenson and Stewart Washington about the Van Duser Theater.

the chorus echoes from the balcony like would-be priests chanting in St. Peter's. The set design is by Jerry Beck. There are two bridges, one connecting the stage and the audience, the other crosses the stage. The houses are muted, translucent shapes — as Beck says, "the audience's

imagination can expand and contract with the set," because there are no real boundaries.

Both Beck and director Jean Bazemore feel the production of the play is important because it "regenerates faith in the power of love." Maybe "Brigadoon" has no

heavy message about death or truth or no painful passage to take us on, yet perhaps this simplistic view of life and love is just what we need.

"There's a smile on my face  
For the whole human race  
Why it's almost like being in love."

## Muse-ments



## Crowell records another album

By CYNTHIA KRELL  
staff writer

One thing you can say about Rodney Crowell. He is currently one of the best songwriters country music has to offer.

### Review

The rhythm guitarist for Emmylou Harris's Hot Band has just released his second solo album, "But What Will the Neighbors Think," and while it may not live up to the high expectations spawned by his first "Ain't Living Long Like This," it nevertheless re-affirms Crowell's position in the hierarchy of Country Western musicians.

Crowell's songs have been recorded and re-recorded by a multiplicity of country performers. He has furnished Emmylou Harris, Waylon Jennings, Albert Lee and the Oak Ridge Boys with hits, but Crowell himself remains an unknown.

"Ain't Living Long Like This," Crowell's debut LP, was a gem. The album was a perfect union of old, easy-

going country suds and new, bluesy rockers that seem to be his specialty.

In addition to the mellow harmonies of Willie Nelson, Nicolette Larson and Emmylou Harris, Crowell's own vocals were a high point on the first LP. For backup, Crowell picked his old associates from the Hot Band (including Albert Lee, the guitar pro currently gaining exposure on Eric Clapton's new live release) to play up a storm on the album's more demanding cuts.

Most recently, "Voila, An American Dream" has been snatched up from the album by the Dirt Band and Linda Ronstadt, and, with every phrase and musical nuance of the original left intact, the song has been a major success for both.

In contrast to the effortless triumph his first album exudes, "What Will the Neighbors Think" has Crowell trying a bit too hard to cover all the bases in too short a time. The album jumps from the electric reverie of "Here Come the 80s" to the somber and uninspiring "One About England," which comes straight out of some bygone Donovan era and is so totally boring that Crowell must have placed it at the album's finish in the

hopes no one would notice it.

The new album steers clear of any other major inconsistencies, and on the remaining cuts Crowell sings his heart out in the same rousing and reckless countrified style that made his first LP so unique. Hank DeVito's "Queen of Hearts" is an excellent example of the fresh, spunky appeal Crowell brings to country music.

"Blues in the Daytime" fares well with help from the Tower of Power and Frank Reckard's lead electric guitar, and the capital arrangement of "Ain't No Money (In The Ones You Love)" makes it one of Crowell's finest achievements.

It's a shame the music of Rodney Crowell, Hot Band member Albert Lee and Crowell's wife, Rosanne Cash, cannot be labeled as either rock 'n' roll or country western, because this prevents these highly-talented artists from gaining the AM exposure they need to sell more records.

At least Crowell can take comfort in the royalties he receives from the likes of Jennings and Harris, and one hopes he will find the time to join Harris and her band for their concert next month.



## Music recitals and chamber series offered

The quad at noon and the Rathskeller on Wednesday evenings aren't the only places offering free musical entertainment on campus.

HSU's music department does its share to provide free music for the public in Fulkerson Recital Hall in the form of student solo and group recitals, and the Faculty Chamber Music Series.

Each year the music department sets aside a group of dates for formal student recitals which usually take place on Sunday and Monday evenings at 8:15. Any student is welcome to perform when he or she and an instructor think the student is prepared to give an hour-long, quality performance. David Smith, music department chairman said in an interview on Friday.

Informal performances take place on Wednesday at noon when a student wants to try performing for just a few people. There is no rule that you must be a music major to give a recital or informal performance, nor is there a screening policy that discriminates against potential performers, Smith said.

The Faculty Chamber Music Series began this academic year and consists of performances of various HSU instructors and guest artists. This Sunday night at 8 p.m. faculty members Frank Marks and Associate Professor Madeline Schatz, along with guest cellist Barbara Bagley, a Hollywood recording studio musician, will perform three pieces: "Passacaglia" for violin and cello by Handel Halvorsen, a duo for violin and cello by Kodaly and "Trio in C Major" for violin, cello and piano by Johannes Brahms.

Everyone is invited to these free concerts in Fulkerson Recital Hall. For up-to-date information on when and which each student recital is taking place, call 838-3928.

## the new wave length gene case

There's a scene in the movie "Patton" in which Gen. Patton orders a chaplain to pray for fair weather for battle. The chaplain refuses Patton's request as it strikes him as sacrilegious to pray for suitable skies for slaughtering. Patton insists upon the prayer and the cowering chaplain concedes.

For the past few days I've been praying for bad weather in hopes of winning a battle being waged in Northern California. The U.S. Forest Service had plans to spray herbicides in Orleans' forests between April 7 and May 7. Rain would prevent them from spraying the remaining acres.

Herbicides are used by the forest service to kill weeds and unwanted brush and broadleaf trees that compete with wood-producing conifers for water and nutrients. Due to the public's escalating demand for timber and wood products, use of phenoxy herbicides has increased considerably over the years to speed up conifers' maturation rate.

The elimination of "unwanted" forest vegetation through the use of herbicide spraying not only upsets forest ecosystems, but potentially poisons our water if toxic chemicals reach our streams and rivers. Scientists have also linked exposure to phenoxy herbicides to spontaneous abortions, testicular atrophy, chromosomal aberrations, birth defects, aplastic anemias and a multitude of types of cancer in humans.

These atrocities bear a remarkable resemblance to the symptoms found in laboratory animals which have been exposed to chemicals 2,4,5-T; 2,4-D and Silvex. The complaints are similar to those registered by soldiers and civilians in Vietnam who were exposed to the chemical Agent Orange.

The director of a child-care center in Orleans reported that five of her 15 children suffered from cleft palates, a birth defect also seen in laboratory animals exposed to the toxic chemical found in 2,4,5-T. The number of various other forms of birth defects and miscarriages in Orleans, where aerial herbicide spraying has occurred, is suspiciously high. In Lincoln County, Ore., where herbicide spraying has also taken place, there is an alarming number of birth defects and spontaneous abortions.

Anti-herbicide advocates have been successful in

counteracting the use of toxic chemicals, however. Mendocino County voters passed an ordinance prohibiting aerial phenoxy herbicide spraying last June, the Trinity County Board of Supervisors passed a resolution calling for a ban on herbicide spraying and Del Norte County will vote on a similar issue this year.

In Humboldt County, the anti-herbicide group "Humboldt Council for Jobs and Health" successfully collected an abundance of petition signatures qualifying the initiative for the prohibition of "any aerial application, in any amount, of phenoxy herbicides, including, but not limited to, 2,4,5-T; 2,4-D; or Silvex" for the June ballot.

During this week and last, anti-herbicide advocates won another battle. Members of the group Southern Trinity Opposes Poisons offered to manually remove the brush on the remaining 12-acre site which was previously destined for aerial spraying. The forest service initially refused the offer, but then consented to STOP's proposal.

Monday night I spoke to STOP member Susan Vignani who said that 15 to 20 people had cleared seven of the 12 acres "in the snow and rain" using tools provided by the forest service. The remaining five acres were scheduled to be cleared yesterday.

"We're really heartened by what happened," Vignani said over the phone. I, too, am extremely heartened and pleased, and am thankful for all those that worked so hard towards de-toxifying Northern California.

Although the ideal situation would be a toxic-chemical-free world where banning herbicides is unnecessary, the 10th Anniversary of Earth Day is a fine time to win another battle in the struggle for a healthy planet.

Again I want to thank the anti-poison warriors.

There is, of course, a good deal more work to do and anyone interested in helping out should contact Arcata's Northcoast Environmental Center at 1601 H St.

Another aspect of the anti-herbicide struggle that pleased me was Vignani's praise of the media which she said really helped out through coverage that alerted the public to our toxic situation. Maybe people do read newspapers after all.

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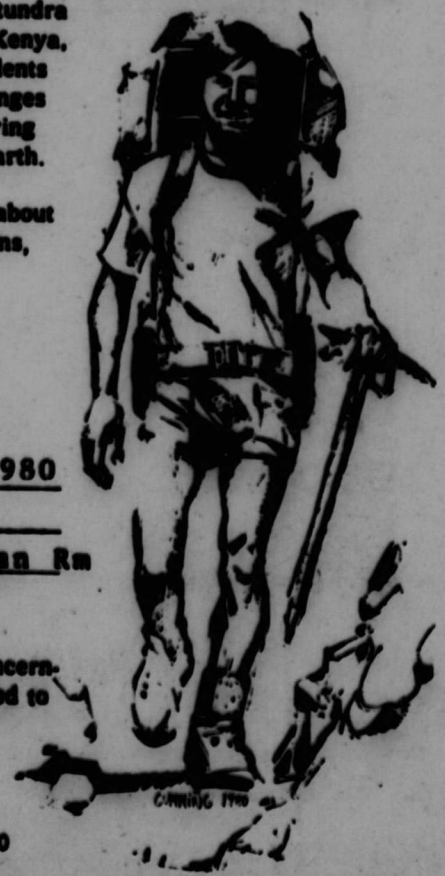
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# Branching Out

## WEDNESDAY

Grub and Stomp for Health. Aluminum can drive through April 30 to benefit herbicide initiative. Contact Jim Alford 839-3821.  
Sandpainting Demonstration, David Villaseñor, 12-2 p.m. HSU Kate Buchanan Room. For info., call 822-3818 or 822-9022.  
John Anderson Meeting, 7 p.m. S.H. 116. All welcome.  
Ted Tremayne, classical guitar, 6-9 p.m. Blue Moon.  
Quiet Hands, \$1, 9:30 p.m. Bret Harter's.  
Coffeehouse Concert, "Oracle," guitar, flute, and harp. 8 p.m. U.C. Rathskeller.  
Lecture, Bay Area artist Mark Kadota will discuss his work. Free. 3 p.m. Nelson Hall East 102.  
Sailing Club Meeting, 6 p.m. NR 201. No experience required, all welcome.  
Workshop, "Therapeutic Touch," 7-10 p.m. Rm 144 CR.  
Jay Rasmussen & CR Jazz Ensemble, 8 p.m. CR Forum.  
Lecture "Looking at Oneself," 7:30 p.m. Wildlife 206, free.

## THURSDAY

Concert, taj mahal, \$7, 8 & 11 p.m. Bret Harter's.  
Lecture, Ernest Callenbach on "Ecotopia," \$1.50, 8 p.m. Kate Buchanan Room.  
Weight Watchers Meeting, weigh in 5 p.m. Class 5:30, every Thursday, Goodwin Forum, NHE.  
Sand Painting Demonstration David Villaseñor, no charge, free coffee. 7 p.m. Ramada Inn.  
Open Stream jazz vibraphonists, \$3, 9 p.m. Jambalaya.  
"Marketing Your Artwork," lecture by Helen Honinger, manager of Gump's Gallery in S.F., CR, Creative Arts Complex, Room 226, 8 p.m., free.  
Humboldt Access Project, monthly membership meeting, 7 p.m., 428 First St., Eureka. Call 445-8404 for info.

## FRI. APRIL 25

Airhead, dance music, 9 p.m. Blue Moon.  
The Rage, dance music, \$2, 9:30 p.m. Walt's Friendly Tavern.  
Brer Rabbit, dance music, \$2, 8 p.m. Arcata Community Center. Sponsored by Y.E.S.  
Perinatal Clinic Open House, 1-4 p.m. at 821 I Street Eureka.  
Lecture and Slide Show, "The Pleasures of Travelling in Africa." Dr. David Allyn, 7:30 p.m. Science 135.  
Play, "Brigadoon," \$3.50 gen., \$2.50 students, 8 p.m. Van Duzer Theater.  
Movie, "Sanjuro," by Akira Kurosawa, 7 & 9 p.m. Nelson Hall 102.  
Movie, Alfred Hitchcock's "Dial M for Murder," \$1.50, 7:30 p.m. Founder's Hall.  
Movie, "Freaks," \$2, 10 p.m. Founder's Hall.

## SAT. APRIL 26

The Rage, dance music, \$2, 9:30 p.m. Walt's Friendly Tavern.  
Airhead, dance music, 9 p.m. Blue Moon.  
Spring Out, Earth Day Fair. Food, crafts, music & games, Arcata Redwood Park, 10-5.  
Herbicide Initiative Benefit, dinner and dance, Arcata Vets Hall, 14th and J Sts. 6 p.m.  
Seminar, Northcoast Environmental Center Songbird Weekend with Ron Leavely, 7 a.m. \$20.  
Field trip, 10th Anniversary Calif. Native Plant Society-North Coast trip to Stoney Creek, HSU ED-Psych parking lot 8:30 a.m. for carpool, Gasquet Store 10 a.m.  
Astronomy Day, telescope viewing & slide show, 10 a.m. - 2 p.m. at the Eureka Mall, 636 W. Harris.

## SUNDAY

Coffeehouse Concert, "All Parts Present," 8 p.m. UC Rathskeller.

## MONDAY

Calligraphy, Lenore Cady & her collection, M-T 9-4, Fri 9-1, CR CAC Gallery through May 1.  
Paintings & Drawings, by Brian Tichenor, HSU Foyer Gallery through April 28.  
Paintings & Drawings, by David Mahler, HSU Nelson Hall Gallery through April 28.  
Printmaking Competition, Reese Bullen Gallery through April 28.  
Gems, Minerals and Fossils, Courtesy of Humboldt Gem and Mineral Society through April 27.

Kung fu Demonstration, free, 8 p.m. East Gym.  
Baseball Game, San Francisco State, 12 noon Arcata Ballpark.  
Play, "Brigadoon," see Friday.  
Movie, "20,000 Leagues Under the Sea," \$1.50 Ad., \$1 Ch., 7:30 p.m. Founder's Hall.  
Movie, "Freaks," see Friday.  
Play, "The Mysteries of Demeter," \$5 and \$2.50 by The Caravan on Women and Religion, 7:30 p.m. Kate Buchanan Room.

## TUES. APRIL 27

Jazz Show, Doug the Jitterbug looks at jazz artists and styles, 8 p.m. KHSU.  
Movies, "Land Without Bread" & "Nanook of the North," \$1.50 Ad., \$1 Ch., 7:30 p.m. Founder's Hall.  
Concert, Faculty Chamber Music Series, 8:15 p.m. Fulkerson Recital Hall free.

Raft Race, Run between Weitchpec and Devil's Creek on the Klamath River, \$5 entry fee, \$50 prize to winning team, \$25 prize to single winner, call 822-8707.

## WED. APRIL 28

The Women's Show, Music & current affairs, 7 p.m. KHSU  
Archery Club Meeting, 7-9 p.m. HSU Fieldhouse.

## THUR. APRIL 29

Coffeehouse Concert, Sarah Maninger & James Scothorn, acoustic guitar and vocals, 8 p.m. UC Rathskeller.

## Winter Consort performs

Tickets are now available for the Paul Winter Consort which performs Thursday, May 1, at 8 p.m. at the College of the Redwoods.

Tickets are \$5 and are available at the CR bookstore, HSU ticket office and the Works in Eureka.

A free workshop will be offered Friday, May 2, in the Creative Arts Complex, Room 227, from 10 a.m. to noon.

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# HSU makes change; H<sub>2</sub>O polo out, golf in

## Sports

By Dennis Weber  
Sports Editor

The resignation of water polo coach Larry Angelel has prompted a decision by HSU officials to drop water polo from its intercollegiate program.

Angelel, who will retain his teaching duties, is retiring from coaching for medical reasons.

To keep Humboldt a member of the Far West Conference, golf will be re-instituted into the program to give HSU eight varsity sports.

The decision was based on two factors according to Health and Physical Education Chairman Larry Kerker. Those factors were the lack of qualified polo coaches in the PE department and the rising cost of supporting athletics.

A qualified replacement had been found by Angelel. John Fisher, a former Humboldt polo player, has been coaching successfully at Claremont High School and will be returning to HSU next year for postgraduate study. Fisher has volunteered to coach the program for units or without pay.

Fisher's offer has not been considered by the athletic department because the department wishes to allocate its part-time faculty in areas other than water polo. "We feel we have other crucial areas in which to use our staff," Kerker said.

Kerker further explained, "The university will not allow us to utilize volunteer coaching as there is a feeling that we would lack control over their actions." There is also Affirmative Action to be considered Kerker said. "We can't just select anyone. We'd have to advertise the position."

Angelel and several polo players feel the administration has failed to do all it can to save the program.

"There was no attempt to keep the program," Angelel said. "The solution was very, very easy." He went on to explain that by allocating three of the division's part-time units and allowing a part-time coach to head the program, water polo could be maintained.

Angelel said he sent a letter to Kerker and Athletic Director Bud Van Deren asking them what was done to save water polo, but the letter was returned to him

unanswered.

The lower cost of golf was a factor also. Golf is expected to cost approximately \$1,500 less per year to fund. But, the athletic department is expecting budget cuts of up to \$25,000 if Proposition 9 passes, according to Kerker.

"It's horrendous what we have to do," Kerker said. "We'd like to have every sport back, but we are forced to raise money to get out of this season. As it is, we can't cover our program. One coach has paid up to \$4,000 a year out of his own pocket."

Kerker sees Humboldt pushing toward fewer sports in the future if the league will allow it.

"Fewer sports could function at a better level and we may opt to go that way," he said.

The move effectively finished the Far West Conference water polo league, perhaps the third strongest in the nation. Only UC Davis, Hayward, and San Francisco remain, too few to maintain a league eligibility with the NCAA.

HSU did not consider the effect on the conference, according to Van Deren. "We flat out told them that's how it was going to be. We didn't create the problem, but we had to solve it."

It was the only decision we could make under the conditions we had to work with," he added. "If we had a qualified water polo coach within the department we would still have the program, no question about it."

Three-year player Jeff Lincoln was very upset with the decision. "I'm pissed off. Everyone on the team is pissed off. We feel we've been shafted." He added that it was Angelel and the successful water polo program at Humboldt that brought him here in the first place.

Another polo veteran, Dan McCoy said, "There are ways to cut costs and they didn't look into them. They didn't even try."

All players, with eligibility remaining, are able to transfer to other NCAA institutions without waiting a year because of the special circumstances. Van Deren said no player has approached him about transferring yet.

Both McCoy and Lincoln think golf is a poor choice because of the few students and athletes that will be involved. "Only six guys out of the whole school can play and who's going to watch them?" McCoy said.

Van Deren admitted that golf was picked, "because it was easy to instigate and inexpensive."

New golf coach Richard Nicali sympathized. "It's a bummer," he said. "I hate to see this happen, but somebody had to make a decision and sometimes they're not too popular."

Aware of the decision's unpopularity with the polo program, Kerker said, "They're upset and I can't blame them."

Van Deren commented that those upset would get over it.



WELL TRAVELED tennis coach Tom Crump helps Cathy Curtis with her forehand. Crump counts a prince of Spain among his former pupils.

## Coach travels globe twice; Tennis skills pay the way

By SUSAN NOWAK  
staff writer

To travel around the world with all expenses paid would be utopia for many people. Surprisingly, Tom Crump, Humboldt State University student and assistant coach for HSU's women's tennis team, has had such an adventure twice.

"I've been around the world twice," the 21-year-old Crump said, "and tennis has paid for it. It is an international sport."

The road to HSU has been a long and exciting one for the Saratoga, Calif. native.

He started coaching five years ago and found "there are tennis jobs anywhere if you have any experience." Each year he applies for about 10 tennis-related jobs in clubs, camps or hotels. From these he gets about six offers and finally chooses one.

Here is a sample of some of the jobs he has chosen:

In 1978 he coached eight young boys in New York. Six of the boys got ranked on the East Coast. With that success to his credit, he got a job in England teaching the top European junior players the next year. He coached "very wealthy adults" in upstate New York in 1978 and 1979. He taught Philippe, the son of King Juan Carlos of Spain.

Besides the obvious pleasure of working at something he enjoys, Crump says there are many other benefits.

"I became a celebrity in towns where few were adept at tennis," he remembered.

Just carrying his tennis racket in foreign countries has been his ticket to many things.

"People would pick me up hitchhiking and say they did it so they could talk to me about tennis."

In France for one-and-a-half months for free. Crump discovered it is easy to make friends and find job connections in world travel.

In Africa, people who saw him with his racket would ask him to dinner. One woman tennis fan let him live on her farm.

Another benefit is the pay. He often makes \$200 a week for 20 hours work. He won't take a job unless it includes room and board, because in countries like England, they can be a substantial expense.

A 20-hour work week leaves lots of time for sightseeing, recreational tennis and just having fun.

"If I teach too much, I don't like to play," he said, "so I try to get a job that's about 20 hours a week."

Why would someone who could travel around the world come to HSU?

Crump, a junior, wanted to finish his education in a small school and he liked this area. He desired a rest from tennis as well.

Crump played tennis with some of the girls on the HSU team and they encouraged him to try to get the assistant coaching job.

Coach Evelyn Deike wanted him as an assistant because of his experience. She thinks he has helped the girls with their strategy and on-the-court play.

Crump said he's enjoyed seeing the improvement in the HSU girls.

"We've come really far this year, especially with our doubles teams. They've learned so much."

Players like Lindsey Stearns appreciate the time he spends with the team, and the fact that "he knows a lot about tennis."

Next year Crump moves to San Diego State University where he will finish his business management and economics majors.

He would like to spend more time in Europe working for a tennis-related company or managing a resort with a tennis emphasis.

Whatever job he finds, Crump seems to be on the road to utopia.

## Trackster multi-talented

By CHRIS SMITH  
staff writer

She is the best 100-meter low hurdler and high jumper in the history of the HSU women's track team and she's not through yet.

Stasia Allen, just a freshman, holds the women's records for the hurdles (at 15.85 seconds) and the high jump (at 5-3/4) and is only inches away from the women's long jump record of 17-1/2.

Recently, Allen qualified for the U.S. Track and Field Association Nationals in the pentathlon, the women's version of the decathlon, despite the fact she had an off day and was competing on a "terrible" track at Sonoma.

It seems the pentathlon was made for her. The contest includes her three best events: hurdles, high jump and long jump, as well as the shot-put and the 800-meters.

Allen scored 2,536 points at Sonoma, bettering the qualifying standard by more than 200 points.

Despite her successes, she has not shown her true potential yet, according to women's track coach Lloyd Wilson.

"She should be scoring over 3,000," he said. "You have to score over 3,000 to get anywhere."

It would seem someone with Allen's abilities must have been working at track and field for a long time, but this is not the case.

"I competed in seventh grade but then I broke my leg high jumping in eighth grade," she said in a recent interview. "I didn't compete again until last year" (her senior year at McKinleyville High).

"I made it to the state qualifying meet in the hurdles," she recalls, "but I didn't really care. I was so tired of running track."

This year, however, Allen has been looking specifically at post-season competition, developing her skills in an attempt to reach her peak at the end of the season.

"I'd like to go 16 in the long jump," she says, also setting goals of 5 feet 4 inches in the high jump and below 15 seconds in the hurdles.

"If things fall into place," she said, "hopefully I'll break 16. I was injured for a couple weeks with knee trouble and did a lot of work on technique."

"If everything clicks," Wilson said of his talented pupil, "she could easily win the Golden State Conference in the pentathlon."



# HSU skateboard heaven; Hills provide rolling thrills

By SUSAN NOWAK  
staff writer

As sunny days become less rare, the sight of skaters whizzing around Humboldt State University increases too.

Spring weather and the hilly HSU campus combine to create a great environment for skaters, either novice or expert.

Ursi Reynolds, owner of Get Along, a shop which specializes in roller skates, skateboards and safety equipment, warns that the hills around HSU are no place to learn to skate. Novices should carry their skates to a level place and practice before challenging the hills.

One skating enthusiast, Jeffrey Goldberg, a speech communications major at HSU, says a good place for beginning skaters to practice is the flat area between the art building and the Van Duzer Theater.

Since people are a major obstacle for beginners, this area should be used on the weekends or other times when few people are around.

Goldberg advises that all skaters wear the basic safety gear — wrist braces and knee pads.

One problem for many people who love to skate is that they want to skate all the time. Roller skater Skip Lehmann, a psychology major at HSU, likes to bar-hop on skates, but some places like Marino's refuse to let him in.

He has skated to classes at HSU. "I walked into class on skates once and everyone thought it was unusual," he said.

Skateboarder Kristi Tubbs often wheels into class with no objection from teachers. Tubbs, who could have gone professional, skateboards around campus a lot.

Tubbs and other skateboarders in the area wish there was a skateboard park or bowl in the county.

There are a few solutions to that problem.

Some skateboarders have built their own outdoor ramps. Also, there is a new sport being developed that is much like skating in a bowl. It's called sandboarding. Special wheel-less boards are now being developed for riding on sand dunes.

Reynolds, from Get Along, thinks this will be the perfect solution, so she is involved in the development of the boards.

But for most skaters, the sidewalks and parking lots of the campus provide ample skating thrills.

"In the summer, HSU becomes a skateboard park for kids," said Sgt. Bob Jones of campus security.

## Redwood face lift proceeds

### 'Jacks move 'home' to Eureka

Humboldt State's football team may have a home away from home next season. HSU has obtained approval from the Eureka School District to use the Eureka High School football field in 1980 for all move.

University officials are meeting with Assistant District Superintendent Don Moore tomorrow to work out details.

The move hinges on whether or not Humboldt goes ahead with plans to reconstruct the playing surface in the Redwood Bowl and install an all-weather field.

If bids are within the university's budget for the project, construction would begin this summer. The turf would need a year to take proper root, necessitating the

"We're all set to go," said athletic director Bud Van Deren. "I just hope we get bids that are within our budget."

Bids on the project open tomorrow at 2 p.m.

Campus police try to discourage this because it causes so many problems. During the school year, skating students don't cause many problems if they observe the rules and regulations.

The HSU Public Safety Code prohibits motorized skateboard traffic on campus. Skateboards are not allowed on the roadways (except in crosswalks) because people on skateboards and roller skates are considered pedestrians.

Sidewalks and walkways are open to skating traffic as long as the skaters don't endanger other pedestrians.

Campus police are empowered to issue citations to people who break these rules, but that has happened in only a few cases.

Most of the skaters in the area are extremely careful around people, so few complaints have been filed.

Reynolds has heard no complaints in her shop about skaters.

"There is a responsibility on skaters to be thoughtful. As long as they recognize that, there won't be any problems."

Some advice for the beginning skater comes from Goldberg: "The first minute is sheer terror, and the rest is sheer fun."



## Humboldt State University Associated Students Consolidated Balance Sheet June 30, 1979

| CURRENT FUNDS                              | ASSETS                          |                             | TOTAL             |
|--|---------------------------------|-----------------------------|-------------------|
|  | GENERAL OPERATIONS<br>EXHIBIT B | TRUST ACCOUNTS<br>EXHIBIT C |                   |
| Cash in Bank                               |                                 | \$46,992.17                 | \$46,992.17       |
| Change Fund                                | \$ 168.00                       |                             | 168.00            |
| Cash on Hand                               | 1,300.00                        |                             | 1,300.00          |
| Savings Accounts                           | 174,615.16                      | 11,546.50                   | 186,161.66        |
| <b>TOTAL CASH</b>                          | <b>176,083.16</b>               | <b>58,538.67</b>            | <b>234,621.83</b> |
| Accounts Receivable                        | 18,803.94                       |                             | 18,803.94         |
| Interest Receivable                        |                                 | 52.90                       | 52.90             |
| Deferred Fees Receivable                   | 2,459.00                        |                             | 2,459.00          |
| <b>TOTAL RECEIVABLES</b>                   | <b>21,262.94</b>                | <b>52.90</b>                | <b>21,315.84</b>  |
| <b>TOTAL CURRENT FUNDS</b>                 | <b>197,346.10</b>               | <b>58,591.57</b>            | <b>255,937.67</b> |
| <b>DEFERRED FUNDS</b>                      |                                 |                             |                   |
| Loans Receivable                           | 3,387.25                        |                             | 3,387.25          |
| Prepaid Insurance                          | 1,040.83                        |                             | 1,040.83          |
| <b>TOTAL DEFERRED FUNDS</b>                | <b>4,428.08</b>                 |                             | <b>4,428.08</b>   |
| <b>PLANT FUNDS</b>                         |                                 |                             |                   |
| Equipment                                  | 82,488.21                       | 1,212.08                    | 83,700.29         |
| Reserve for Depreciation                   | (36,496.20)                     |                             | (36,496.20)       |
| <b>TOTAL PLANT FUNDS</b>                   | <b>45,992.01</b>                | <b>1,212.08</b>             | <b>47,204.09</b>  |
| <b>TOTAL ASSETS</b>                        | <b>247,766.19</b>               | <b>60,000.65</b>            | <b>307,766.84</b> |
| <b>LIABILITIES AND FUND BALANCE</b>        |                                 |                             |                   |
| <b>CURRENT FUND LIABILITIES</b>            |                                 |                             |                   |
| Cash Overdraw                              | \$ 2,900.22                     |                             | \$ 2,900.22       |
| Accounts Payable                           | 13,406.52                       | \$ 536.24                   | 13,942.76         |
| Federal Income Tax Payable                 | 268.10                          |                             | 268.10            |
| F.I.C.A. Payable                           | 222.52                          |                             | 222.52            |
| State Income Tax Payable                   | 180.00                          |                             | 180.00            |
| State Disability Insur. Payable            | 101.04                          |                             | 101.04            |
| State Unemployment Insur. Payable          | 170.00                          |                             | 170.00            |
| State Worker's Compensation Insur. Payable | 45.84                           |                             | 45.84             |
| State Gas Tax Payable                      | 58.78                           |                             | 58.78             |
| Reserve for Uncashed Checks                | 385.12                          |                             | 385.12            |
| <b>TOTAL CURRENT FUND LIABILITIES</b>      | <b>17,738.72</b>                | <b>536.24</b>               | <b>18,274.96</b>  |
| <b>DEFERRED LIABILITIES</b>                |                                 |                             |                   |
| Prepaid Fees                               | 10,696.00                       |                             | 10,696.00         |
| Reserve for Encumbrances                   | 16,276.77                       | 205.64                      | 16,500.21         |
| <b>TOTAL DEFERRED FUND LIABILITIES</b>     | <b>26,972.77</b>                | <b>205.64</b>               | <b>27,178.41</b>  |
| <b>TOTAL LIABILITIES</b>                   | <b>44,711.49</b>                | <b>741.88</b>               | <b>45,453.37</b>  |
| <b>FUND BALANCES</b>                       |                                 |                             |                   |
| Excess Revenue Over Expenditures           |                                 | 42,637.79                   | 42,637.79         |
| Prior Years                                | 163,934.44                      |                             | 163,934.44        |
| Fiscal Year Ended 6-30-79                  | 4,565.29                        | 1,626.00                    | 6,191.29          |
| Equipment Additions                        | 32,536.97                       |                             | 32,536.97         |
| <b>TOTAL FUND BALANCE</b>                  | <b>201,032.70</b>               | <b>44,269.79</b>            | <b>245,302.49</b> |
| <b>TOTAL LIABILITIES AND FUND BALANCE</b>  | <b>247,766.19</b>               | <b>60,000.65</b>            | <b>307,766.84</b> |

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# bench warmer

By Dennis Weber

Sports editor

"You're going to like this tournament," the guy said as he strolled through right field between innings, practicing his 12-ounce curls.

"Yeah, right," I said. We were trailing 11-0 at the time. But, what the hell, the sun was shining, and spirits flowed free, and I was beginning to warm up to the atmosphere.

The Heilthyme softball tournament is termed "the rites of spring" by its sponsors and annually ushers in the HSU softball season. The tournament is more than just a softball tournament, but rather a two-day indulgence of sun and suds revolving around softball.

I had the unique experience of being involved with this farce last weekend as a player, umpire, and spectator.

In the former capacity, my role was short as my illustrious team was bounced from competition after only two games. My contribution was to go 0 for 8. It wouldn't have been so bad if I had had a beer to cry in Saturday morning.

Shortly after settling into a spectator role at a contest between survivors (of the round robin and over-indulgence) I was summoned, via emergency, to substitute as an umpire. Now I really don't fit the role with my glasses, but I appeared the only candidate in a crowd dominated by groupies.

I spent the whole three innings I umpired praying that there wouldn't be a close call. There was a close one at first and it drew a lot of flak from the losing side but I just ignored it all. I'm still not absolutely sure I got it right but what do you expect from a guy with glasses?

Saturday evening things came to a head. The top teams battled for a spot in the finals and everyone else partied. When it was all over the Free Agents won it all but most of the spectators couldn't tell you the score.

Then it was off to the post-tourney party for more brews, and lots of bull. It wasn't my scene so I went home and crashed.

Sunday it was raining — time to get serious about school — time to get serious about softball.



## volleyball

The men's volleyball club lost a match, then bounced back to win two over the weekend.

The 'Jacks lost to Chico State by the margins of 3-15, 12-15, 11-15.

HSU then moved on to Sacramento State where it dumped the Hornets, 15-3, 15-10, 15-9. The 'Jacks were even more convincing in a 15-8, 15-4, 15-10 win over Fresno State.

## softball

The weatherman fooled the women's softball team Saturday and cost the 'Jacks their last home appearance.

Humboldt cancelled its games with Sacramento Friday night when rain was predicted for Saturday. Unfortunately, Saturday dawned sunny and the rain didn't appear until evening.

The 'Jacks traveled to Sacramento Monday to make up the twinbill and were swept 6-0, and 5-4. Humboldt was up 3-0 in the seventh inning of the second game but let the contest get away.

HSU still clings to third place in league and should qualify for the division 3 regionals at season's end.

## men's track and field

Mark Conover's victory in the two-mile run lifted Humboldt to a fourth place finish in the men's competition of the Woody Wilson Relays at Davis.

Conover won the race in a time of 9:08.4. Humboldt missed a one-two finish when Dan Grimes, who trailed only Conover injured his foot and retired.

Sam Lawry had a personal, best ever 65 meter toss in the javelin, good for second place. Keith Lutz, who pole-vaulted 16 feet, finished sixth while Roy Innes was fifth in the steeple chase at 9:33.8.

Humboldt failed to win any relays but placed in the top four five times including a second in the distance medley.

## women's track and field

The HSU women's track team finished well back in the pack at the Woody Wilson Relays but managed to turn in a few noteworthy performances.

Sheila Maskovich placed fifth in the two-mile run in 11:38 and anchored the distance medley team that finished fourth.

Stasia Allen made it to the finals of the high jump and long jump, placing seventh in both events.

## crew

High winds forced cancellation of six out of nine events between the HSU and Stanford crew teams Sunday.

Stanford won the first two races by narrow margins in the women's novice fours and the men's lightweight novice eights. In the men's novice light-weight fours Humboldt won handily when the Stanford boat was swamped, cancelling the remainder of the program. In an abbreviated meet Saturday, Humboldt outrowed the California Maritime Academy in all three events. The 'Jacks were victorious in the varsity light and heavyweight eights and the novice lightweight fours.

## tennis

The tennis match between Humboldt and Chico went down to the wire last Saturday before the 'Jacks fell 5-4.

Humboldt won four of six singles matches but were swept in doubles losing the deciding match 4-6, 6-4, 6-2. New top seed Robin Mishell, Cathy Curtis, Wendy Robinson and Lindsey Stearns were all winners.

## baseball

Losing three more games, Humboldt State ran its losing streak to nine games last week.

Second place Sacramento State used the 'Jacks to climb back into the race behind Stanislaus.

In the series opener HSU was tied at 6-6 at the end of seven innings but the Hornets turned three 'Jack errors into five runs and a win in the extra frame.

In the nightcap Sacramento silenced Humboldt's normally busy bats, allowing only two hits in a 4-0 shutout.

Friday, HSU was again tied after seven innings at 6-6, despite 17 Sacramento hits. But the Hornets managed to sting the 'Jacks for three in the eighth inning to complete the sweep.

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## Personals

**DEEPERS GEWURZTRAMEANER** It's our first anniversary and we've only gone out twice! Would I be too pushy if we went out 3 times this year? Captain Arcata

**MARKLE AND PHILBERT:** Sat. night at the Condo with those peach-arias flowin and the sunset glowin was a night to remember. Don't you know it's a Cyn to jump the Gunn! P.S. Give our regards to Paul.

**DEAREST DEAD DUCK** So glad to hear that you enjoyed the massage. Just quack and I'll ruffle your feathers any old day. Lotsa love the baby duck.

**MOSS** If you give me more Doritos, I will weigh 50 pounds+ smile for my picture. Good luck! Racky

**BO** Do I bore you or what? I want to thank you for calling me and being concerned about the car accident. Yes, the accident is true...the call..Ha. **YOUR "GOOD FRIEND"**

**CLAW** Meet me in the shower for some fun and don't forget the soap. Signed, Without Competition.

**SDL** Touching you was better than drugs, electricity, furry kittens, chocolate icecream, and the smell of new-mown hay. The only problem is, it's like chocolate chip cookies — the more you have the more you want. I want more, lots, lots more.....LSD

**HEY C.J.** Have you thought of a good place yet? Any place? Some place? How's the Japanese Tonka Truck doing?

**HEY CHUCKO** Don't let the men in the white suits keep you away too long, we have some rehearsing to do. Keep in touch and enjoy the sun — I think I'm molding up here. Lub, Mattie

**SENSO UNICO** Oh what a gig you are! and so respectable too. . . Look, it's Haley's comet. Adoringly, adoring my little honey pot pie. Ms. Particular. P.S. Drugs will never sedate me.

**DEAR GANG** Two down—Six to go. So far, so good. I think you're all great! Let's make a date for June 4, night, bar. Boss

**FUZZY-FACE** You scratch!! Sorry I got p.o.ed at you. It's been such a long day, you know?...

**SHROOMER** It's too bad I can't get too personal in this. Gosh...think of all the things we're missing out on. Maybe something can be worked out later. O.K.? ME

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# Swami tries to give empty lives meaning

*Culmination of series stressing self-knowledge*



"I AM, THEREFORE I THINK," said Swami Dayanada Saraswati at a lecture Sunday night.

By LAURA FENNELLY  
staff writer

We are incomplete beings searching for something to fill the emptiness in our lives, according to an East Indian Vedanta-Sanskrit scholar, who will finish a lecture series at HSU tonight.

"If there is a way out of this dilemma, it can't be in the way we are seeking," said Swami Dayanada Saraswati.

According to the swami and his East-Indian philosophy of self-knowledge, the human limitation is ignorance.

In his 10-lecture series, "Looking at One's Self," he discusses Vedanta, a spiritual teaching from the Upanishads, or Indian scriptures, which deals with nature and truth of self.

Sanskrit, an ancient Indian language which the swami said provides words that help you "see," is also a focus of the talks sponsored by the religious studies department.

People struggling with emptiness concentrate on material things, adding or subtracting them from their lives, he said.

He added that people search for someone to love them so they may love themselves, and labeled this self-condemnation through self-ignorance.

"You want someone to love you so you can feel you are something," he said. "Self-knowledge makes you love yourself and in turn love others as they are."

There are two types of achievement in life, according to the swami: achieving something you don't have and achieving that which you have had all along. He said our efforts at achieving goals are limited, and therefore we have limited results.

Vedanta and Sanskrit use words as tools to help people see that what they want to be is what they are. But words are limited, and the swami believes a second person, a teacher, is necessary to make the words meaningful.

He said the Vedanta captures the teaching tradition as a mystic does. The teacher is a guru, he said, but

he thinks the term is abused.

The swami is president and head instructor of Sandeepany West, the first formal school in the United States to offer a 30-month intensive course of study in Vedanta and Sanskrit.

Modeled after a similar institution in Bombay begun by him, the non-profit school is located in Piercy, near Garberville.

The school is modeled after the Indian educational tradition of gurukulas, in which teachers and students live together as a family.

The swami said many Americans studied under him in Bombay and often invited him to the United States to give lectures after their return. This prompted him to open Sandeepany West.

The traditional Indian sannyasin, or monk, is different from Western religious monks because he doesn't belong to an organization. As a renunciate his only pursuit is knowledge.

He said he doesn't seek wealth or titles as a teacher, but thinks many East-Indian teachers exploit Westerners for financial gain.

"Teaching is a relationship," he said. "You can't have a paid husband or wife; you can't have a paid teacher. It is a meeting of hearts and minds."

"In teaching there is communication and understanding between two people; you can't buy a teacher."

Individuals at one lecture found it difficult to grasp some of his ideas. Many seemed to want a formula for filling the emptiness the swami described.

A young man questioned current yoga disciplines. The swami said yoga is merely a technique in meditation, not meditation itself. He added, jokingly, that like popular rock 'n' roll songs, techniques are often monotonous and can be easily replaced.

Swami said young Americans avoid the intellectual and search for experiences.

"A society based on experience is doomed," he said. "It is an endless trip with every experience requiring another better one to replace it. An experience can be beautiful but only through the knowledge gained by thought and inquiry."

Discussing his views on Western religion, the swami said certain aspects of religion such as the concepts of god, liberation, prayer and soul are universal.

After his lecture, he finished sharing his ideas and warmth in a small hotel room in Eureka. Speaking to a group of 15 persons surrounding him, sitting on the floor and lying on two floral print-covered beds, he said he sees a trend of spirituality coming to the West, that we are realizing we should break the barriers of religion and seek something deeper.

He said "knowledge must be clear," and promised clear vision through his teaching.

## Eruption stirs plane charter plan

By KYM POKORNY  
staff writer

Because of the relative infrequency of erupting volcanos, it would be the experience of a lifetime to be able to view Mount St. Helens as she blows, according to Dr. Raymond M. (Bud) Burke, assistant geology professor at HSU.

In order to give the geology faculty and other interested people this opportunity, Burke, with the help of his colleagues, is trying to make arrangements to charter a DC-9 when and if Mount St. Helens erupts.

"This is bloody exciting," Burke said. According to Burke, all professional geologists on the West Coast should make an attempt to observe Mount St. Helens.

"We read about volcanos, study them and teach others about them," he said, "but most of us have never seen one active. This is a chance for us to observe in person what we only know about through study."

The whole idea of chartering a plane started on a much smaller scale, the professor said. The geology faculty was discussing the possibility of chartering a

small plane when Burke suggested they charter a much larger plane and open the trip to students.

"At the time, we all just chortled. The idea of chartering a DC-9 seemed pretty farfetched."

But when he looked into it, Burke found they could charter a DC-9 for \$2,200 an hour plus \$1,500 for an extra crew, bringing the total to about \$6,000 for the two hours they would want the plane.

This might sound like a lot of money, Burke said, but the plane holds 60 persons which would be \$100 each.

Although Burke thought \$100 was a small price to pay for the experience of seeing a volcano erupt, he was reasonably sure students wouldn't feel the same way. He put a sign-up sheet on a wall in Founders Hall and was pleasantly surprised to find 100 signatures within a week.

"But signatures aren't money. So it would be hard to predict how many of these people would show up at the plane with the money in their hands," he said.

During the hour they would have at the volcano, the plane would circle Mount St. Helens twice, giving the people on both

sides of the plane a chance to have a reasonably good look. Burke said the closest the plane could get would be between 20 and 30 miles, but that it would be close enough.

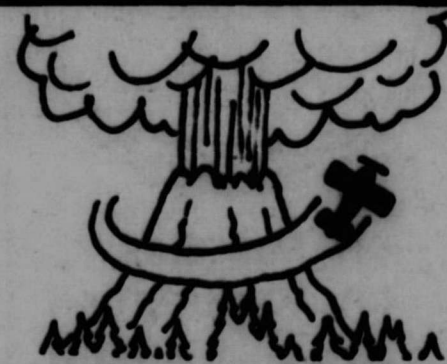
"That's bloody close to an erupting volcano," he said.

Burke said, the best time to view the volcano would be in the late afternoon or early morning because the light conditions are better. He said it is possible to see much more geology in low light.

If you were interested in seeing the more spectacular aspects of the volcano, it would be better to see it at night, according to Burke.

"The ideal time to view Mount St. Helens would be at sundown because you'd watch it grow dark," said Burke.

There are a lot of factors involved in whether the charter will go through or not, Burke said. The major thing is that no one knows if or when Mount St. Helens will blow. There is also a problem with air traffic, according to Burke. It seems that the people from HSU's geology department are not the only ones interested in seeing Mount St. Helens. In any case, there is the possibility, that



once it blows, planes will be kept in a holding pattern over the Pacific Ocean for two hours or more, according to Burke.

"There are lots of ifs, ands, and buts about this charter. It will be my responsibility and I want to be sure everything is guaranteed before we take off," Burke said.

Besides finding out if the plane will be kept in a holding pattern, Burke wants to make sure that they will be given clearance to get at least as close as 30 miles. Another problem, Burke said, is whether there will be a crew willing to fly in that kind of air traffic.

Regardless of whether the charter goes through, Burke said he plans to see Mount St. Helens.

"If she blows, I'll see it, whether I go by DC-9, automobile, train, boat or by hitchhiking," Burke said.