

environ 77

A Newsletter of the Environmental Studies Program at California State University, Fullerton

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Vol. III No. 1

February 1977

FUTURE TENSE

Scavengers roam the best of neighborhoods in search of food, and anything that will burn. Those who have vowed to stick it out in private dwellings sleep in shifts while one always stands guard against the crazed gangs of unemployed, many of whom haven't had solid food in a week. The smart ones have all gathered in high rise dwellings with power allotments, designated as emergency shelters by the Housing Committee of the World Forum. Fair-weather office buildings, the structures converted to housing during the winter months when industry is at a standstill, loom bleakly. For it's during winter that the planet's meager energy supply is diverted for mere survival. Only the most essential industries (like food processing plants) are permitted to operate; and everything is regulated by the World Forum.

The year is 2011, and we are experiencing our annual energy crisis.

If this all sounds too grim or unbelievable, think back to that wonderful year--1973. People in gasoline lines, acting like animals. Speaking of animals, guard dogs rented by service station owners to protect their property--and themselves, fuel truck hijackings, gas siphoned from cars parked in public garages and owner's driveways--all this for the sake of private transportation. What will we act like when it becomes a matter of survival?

It will never become a matter of survival if some Merlin can develop the technology to harness the elements (there's enough power in one bolt of lightning, etc.). Since lightning isn't

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FUTURE TENSE (con.)

too predictable, we're better off focusing on the sun, nuclear fusion or geothermal energy. The day will come when we will capture, and store energy cheaply (and probably simply), and will make today's clumsy efforts with solar panels almost laughable.

Unfortunately, we can't start laughing yet. The world's energy supply, based on a no-growth computation, allows us 35 more years at reasonable comfort levels (give or take a decade). Even this can be stretched a few years--in case Merlin needs more time--through conscientious energy conservation and management.

Glenn M. Lemon

LYNN HEACOX

We didn't have the title of Lynn Heacox's Thesis available for our December edition. It was Mitigation Techniques for the Coastal Zone Commission: A Resource Protection Manual. We congratulate Lynn on his successful Thesis defense and graduation.

THE ENVIRONMENTAL COALITION IS KEEPING TRACK

The Environmental Coalition informs us that 4773.26 acres were gobbled up by bulldozers in 1976. The record for acreage going for housing tracts reads (beginning in April):

April - 642.02 acres	A respite in
May - 346.37 acres	December???
June - 459.75 acres	
July - 273.42 acres	
August - 450.75 acres	
Sept. - 714.85 acres	
Oct. - 766.47 acres	
Nov. - 225.61 acres.	

GET THAT STUDY PLAN FILED

We have found that too many of our students are delaying filing their study plan. It is important that the Environmental Studies student organize his Committee and develop his study plan within a year of being accepted into the Program because not more than 9 units taken before the study plan is filed in the Graduate Office will be accepted towards the MS.

To organize a Committee a student should find a professor who teaches in the area of the student's interest and who has the expertise to supervise the student's future Project and/or Thesis. The Committee should be comprised of three members (the advisor is one) representing three different departments, with one being a member of the Environmental Studies Council.

The study plan is filed after the student has completed no more than 9 semester units (with GPA of 3.0) of advisor-approved coursework, including ENV 440.

After completion of 12 units on the study plan with a GPA of 3.0 (including ENV 510 or 520 and one approved 500--level course, the student should file an Application for Advancement to Candidacy card in the University Graduate Office, LH 801.

At the beginning of the last semester of your graduate work, file an Application for Graduate Check.

WELCOME!

STEVE MALONE is returning to complete his MS after time off due to pressure of work. Steve is assistant to Orange County Supervisor Ralph Clark.

LEWIS MITANI received his BS in Biology from UC Riverside. Lewis hopes to work in an environmental management agency.

INDA TAYOR comes to us from Cal State Long Beach with a BA in English. Inda works for SCS Engineers, an environmental engineering firm.

"WATER, WATER EVERYWHERE"
NOT NECESSARILY

Since we are all environmentally oriented in our academic environment, it is my hope that our domestic settings are also environmentally sound. As you must be aware, the water shortage is becoming very serious. Recent reports indicate that Marin County in Northern California is rationing its water supply and, according to a recent visitor to Owens Valley, the L.A. Aqueduct is dry.

There are no apparent signs of public cooperation with the water conservation program in Southern California. It is the role of every environmentalist to do his/her part in conserving water and educating the individual around you. One should endeavor to save water by fixing leaky faucets and running toilets, and reducing water use for bathing and car washing.

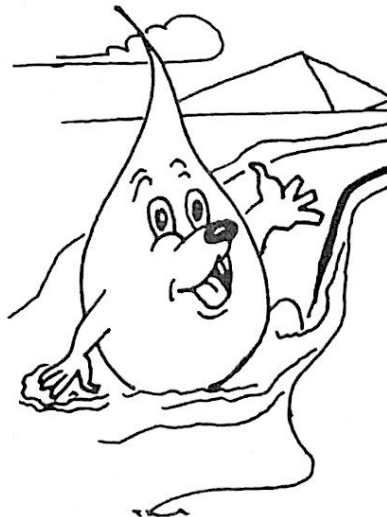
You can save water by taking showers for a shorter period of time. Simply turn off the water when you do not need it. Think of the water going down the drain while you are brushing your teeth or shaving in the morning. Every time you flush the toilet, about 7 gallons of water go down the drain. You can reduce this loss by employing the technique of placing plastic containers filled with sand and water in the bottom of your toilet water tank. Do not place more than a gallon volume container, as most toilets need about 5 gallons of water to flush properly. One can save a gallon per flush; a lot of water over a year's time.

We should all try to practice what we have learned and set an example for our neighbors. There are countless ways to conserve water in small amounts, but they can add up to big savings.

By Brent F. Russell
Environmental Studies Program Graduate
Assistant

WATER CONSERVATION IN THE CLASSROOM

The Municipal Water District of Orange County (MWDOC) has prepared a variety of materials for use in the classroom and community. The Water Conservation Program will include bumper stickers, pamphlets, and speakers to the community. The water conservation education materials will consist of a teacher's guide, student reference and worksheet materials, and a slide-tape program on "The Water Resources of Orange County." The pilot implementation program for these materials will take place this year at a workshop for 5th and 6th grade teachers and will be sponsored by MWDOC on February 26. The coordinator will be Dr. Lawrence R. Przekop of Science Education at CSUF. Dr. Przekop is the advisor to Bill Meadows, a member of our Environmental Studies Program. Bill is now Public Information Officer for MWDOC and his emphasis in the program is in Environmental Education.



Ricki the Rambunctious Raindrop, a cartoon character developed by Bonni Korn for the MWDOC as a public service to teach the water cycle and water development, appears in films and workbooks for students in Grades 1-4.



"I'm sure you can't build that here—we're zoned for gingerbread!"

Courtesy Funch

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