ENERGY NEWS AT ESF

Currently the main topic of conversation is the "Energy Crisis" and like everyone all over the country we here at ES&F are trying to cut down on our energy consumption. But what exactly is the college doing? According to Vice-President Anderson, quite a few changes, both small and large scale are taking place on campus to conserve energy. It started with a complete room by room analysis of every building on campus. It was found that almost every room was way over lighted and now only minimum lighting is in use. Anderson made an estimate that approximately 1000 lighting tubes were removed. As of this time the electric bill for the college is $1000 less than last fiscal year.

Heating of the campus is a bit more difficult to control. The buildings and rooms are on an on-off system, which I'm sure many students have noticed. They are trying though to maintain the buildings at 68 degrees F. Illick Hall poses problems because it has two types of heating systems. They are cutting down on the steam heat and repairing steam valves to help the efficiency of the heating system. Heat reduction in Illick is still in the trial and error stage.

DECON REPS. HERE

Three representatives of the Department of Environmental Conservation (DECON) in Albany visited our college Monday of last week to speak on the topic "Fire and Air Pollution."

Mr. Gary Nieman, director, Division of Air Resources, was introduced by Dr. Webb, and briefly outlined the goals of DECON. Mr. Nieman explained that "through point source sampling of the atmosphere, we hope to determine the effect of air pollution on the flora and environment." He added that "the main emphasis right now is on impact statements (noting that) in virtually all Continued on p. 2
stages so if 5 Illick is cold enough to freeze the ink in your pen or hot enough to wilt it, you'll know why.

Carpooling and a reduction in travel by the faculty and administration is being pushed. Anderson cited for example his regular business trips to Albany by car are no longer. He is now a regular patron of Amtrak. You might also notice little reminders in the form of stickers around campus, telling you to turn off lights and shut doors.

On a larger scale an Energy Crisis committee has been formed between SU, ES&F, the Medical Center, Veteran's Administration Hospital, Crouse-Irving Memorial, SU Housing Authority, the Psychiatric Center, and Niagara Mohawk. Professor Harvey Kleser heads the committee. The idea behind the group is to coordinate information and exchange ideas. The primary consumer is SU's steam plant.

Among all the SUNY colleges statewide there has been a push in energy reduction. Already over 1 million gallons of oil have been saved by SUNY units. Unlike some colleges though, our college, which is active 12 months a year, can't shut down over holidays and summer. Faculty and staff do much of their work and research during these periods. But we are starting to conserve, Vice-President Anderson is open to suggestions and new ideas and would appreciate hearing from anyone who has suggestions for cutting down on our energy consumption on campus. And no—we can't cut out classes.

Mary LaLonde

ESF VETRAN'S CLUB

The ES&F Veterans Club has developed beyond the embryo stage and is about to emerge as a bonafide campus organization. Primarily the club will be a sounding board serving the student veteran in both academic and social functions.

All interested veterans can quickly and painlessly become members by merely signing their name. There are absolutely no fees. Temporarily the club will be headquartered in Room 109 Bray Hall, where a ballot box will also be located. This is to allow members to inspect and vote on the proposed club constitution and select three club officers. Stop by, sign up and vote.

Dave Ochs
Student-Vet

PREVIEW: BIO. CAMPS

Thursday, March 7th the Zoology Club will present a review of summer camps in 5 Illick at 7:30. This meeting is intended for sophomores and juniors in biology who will be going to a biology summer camp, for people who were there and want to stir up old memories, and for people who want to enjoy scenic beauty from all over the country.

Slides and a basic description of the following summer camps will be presented:
University of Minnesota, Lake Idasca; Cornell Program in Marine Science—Maine; University of Montana, Flathead Lake; University of Wyoming—Knight Science Camp; Colorado State University; University of Virginia.

People will be able to answer questions you have after the presentation. Refreshments will follow the meeting.

WILDLIFE

support retention of all wildlife ranges in the National Wildlife Refuge System. Inquiries should be addressed:
Secretary Rogers C.B. Morton
Department of the Interior
Washington, D.C. 20240

In February, 1972 President Nixon, by Executive Order barred all poisoning activities on federal lands. But now the Interior Department is being pressured by western sheep-raising interests to rescind the ban.

On December 12, 21 Western Senators, including Senators Barry Goldwater (R-Az.) and George McGovern (D-S.D.) wrote the Secretary of the Interior criticizing the department and its stance against poisoning. The sheepmen claim that the ban has increased the losses of lambs to coyotes even though the Interior Department continues a program of coyote control by trapping and shooting from aircraft.

Conservationists are fearing that if the Executive Order is weakened then a full-scale poisoning will result, with tragic results to the many other types of wildlife on public lands.

Individuals and organizations are urged to write the Secretary and their Congressmen and Senators, expressing their views and concerns over a return of poisoning on public lands.

Larry R. Sandford
CONS... from p.1

reas they have examined, the air pollution levels have exceeded the legal minimum allowances."

Mr. Nieman is directly in charge of 22 men, 18 of them engineers, and the other four, foresters. One of these engineers was the next speaker, Mr. Harold Whitney. Mr. Whitney lectured briefly on the technical aspects of prescribed burning, how to do it, and how to measure its effect on vegetation.

The program was opened to an informal discussion-lecture type format with Mr. Nieman and Field Zoologist Charley Hutchins showing a slide presentation and answering questions. The slides dealt with a prescribed burning experiment they did in the Connecticut Hill area 40 miles south of Syracuse. They burned a 3½ acre plot to retard old field succession in order to produce a more favorable habitat for wildlife. They used the slides and charts to show how it was done, the effect it has on the habitat, and how it affected plant vigor in the area.

At this point they concluded the lecture and answered questions from the largely graduate student audience.

The lecture was sponsored by the Forest Zoology Department in connection with Dr. Webb's Topics in Wildlife Biology course. The lecture was the last in a series of 7.

SEMINAR- MEMBRANES

On Thursday March 14 at 3:30 pm in Room 211 Walters Hall, Dr. Edward Cussler will present a lecture on "Selective Diffusion Across Membranes." This seminar is part of a series on "Developments in Engineering Aspects of Environmental Concerns and Forest Resource Utilization." Dr. Cussler will describe the results of studies which he and his associates have been conducting. Two types of liquid membranes have been developed which allow rapid, selective separations of a wide variety of ions. Both types depend on a mobile carrier mechanism, one utilizing cyclic polyethers and the other, a pH gradient, as the energy source. When combined with liquid surfactant membranes, the latter type gives fast, cheap separations of major practical potential.

Dr. Cussler is a graduate of Yale University. At the University of Wisconsin he was awarded advanced degrees for his work on "Multicomponent Diffusion in Macromolecules." He held postdoctoral fellowships at the Universities of Wisconsin and Adelaide in South Australia as well as Yale University, subsequently joining the faculty of Carnegie-Mellon University. He has also served as a consultant to Unilever Research Ltd., in London, England.

Anyone interested is cordially invited.

VET-DENTAL CHECK-UP

Do you know that if you've been separated from service less than 1 year you are entitled to a free dental check-up courtesy of the VA? If you qualify, beat feet down to the VA Hospital on Irving Ave. and fill out a short application. The processing of this form takes about a month, so get on down there when you get the chance.

Rich Cincotta
Student-Vet

CLUB... from p.1

pamphlets, trail guides and maps, legislation, etc. If anyone has a request for material to be added or would like to donate books and pamphlets concerning the Adirondacks and other wild areas, the donation would be most welcome. Please leave a message in student mail - Bob Marshall Club box.

Recently, the club sponsored a snowshoe hike to Inman's Gulf in the Tug Hill Region. This was followed up by a presentation by Dr. Richard Mark, concerning land use planning in Tug Hill. This month the club (and anyone else who is interested) will be attending public hearings on this topic.

At the last informal meeting John Stock (a member of the Wood Products Industry and a commissioner of the Adirondack Park Agency) discussed problems confronting the agency in administering the Private Land Use Plan.

On Wednesday, March 12 at 7:30 the club will meet to elect its steering committee and prepare for the Tug Hill hearings. The meeting will be in Nifkin Lounge and all are welcome.

Editorial Policy:

The Knothole appreciates any articles, short stories, poems, letters, etc. which anyone might be inclined to submit. However, all such literature must be signed. Name will be withheld on request of author.
LETTER

To the Editor:
Perhaps it's a small point but nevertheless I feel it should be brought to your attention. That is the lack of foresight shown in the layout of the February 28, 1974 issue of the Knothole.

On page 5 you have a questionnaire that is to be forwarded to Senator Mathias. On page 6 you have a rather controversial cartoon. After four years of study at the College I believe I can understand the cartoonist's obvious sarcasm towards the "idealistic preservationist" and towards the "cut out and get out" lumberjack. But when this cartoon along with the questionnaire is forwarded to Washington, do you think the casual observer will understand? Taken out of context, i.e. the environs of the College of Environmental Science and Forestry, how do you think this will reflect upon the college?

I urge you to be more sensitive to such issues in the future.

B.L.

B'BALL NEWS:
CLUB VS. ALLSTARS

So you didn't get to see the ES&F basketball team this year and you wanted to see them at least once. Well, you've still got a chance. The ES&F team, with its usual members, will be playing the Forestry Intramural Senior All-Stars on Friday March 8th.

Place and time will be posted on campus.

Maybe you don't like basketball or you've never seen a game, then this is the one to see. You don't need a score card to tell the players in this game.

Maybe there is a favorite turkey of yours you would like to dump on or a hero whose every move you want to follow.

Well, we got 'em. We've got Bob (Rubber Legs) Dempsey, Jeff (Commissioner) Palmerton, Bob Eisner, John (General) Wozniak, Phil (Gionelli) Juravel, Big Jeff Cohen, Paul Webb, Matt (Look-again) Killeen, Rich Dabruzzi, John (Horny) Warneck, Pat (Flash) Flood, Dave Nelkin, Jim (Mini-Beast) Halligan, Kurt Straub, and Mike Stayton.

The team is under the direction of little known Wally Wonder.

Like to see as many of you as we can.
It's free, bring a friend, bring two friends. The Commissioner will be looking for you. Watch the bulletin boards. Remember

VETRANS ARE BETRAYED

I have been impressed by the attention given to military veterans at our College; the Knothole gives much publicity concerning the various forms of aid available to veterans.

Vets do deserve aid. They were displaced from society during a period in their lives when many of us are finding out how we might fit into this world. I believe that any man who participated in our last huge military endeavor, whether actively fighting or maintaining our misguided forces at home, committed a disservice, at the least, to himself and our country. However, these men deserve to be brought back to full participation in society.

Now, just recall one article in the Knothole of February 28 concerning G.I. benefits. The House of Representatives approved a 13.6% increase in educational assistance benefits. George McGovern, the man that this country failed to support for many poor reasons when compared to the alternate choice, has sponsored a bill in the Senate for a 23% increase. (In case you forgot--Americans forget, oh, so quickly--this guy was trying to stop the massacre of humans and land--thank you Rob Belisario for reminding us of the massacre.) And the man who procrastinated and double-talked while people were being killed by "wholesale" and a country was being physically destroyed (to the point where one wonders if the war-plagued land can ever be revived to produce forests and crops to support its people) has proposed an 8% increase!

Thousands of Americans died (many more thousands of Southeast Asians died) and others lost time in their personal lives while the President played his bloody game. But it appears that the number one American has forgotten, too.

Richard Feldman
Forest Biology, Sophomore

the day Friday March 8th.

S.R. Walroth
P.S. Special thanks to Mr. J.D. Palmerton for organizing the league the best I've seen it organized in 4 years. Thank you, Jeffery.
TROUT UNLIMITED

The local Iroquois Chapter of Trout Unlimited is seeking the involvement of ES&F students ( undergrad or grad) in various environmental projects. The general membership does not have the professional training to plan and carry out such activities, but as students at this college YOU do. This doesn't mean you must be doing a postdoctoral in fisheries to qualify; the general goal is to improve trout fishing in central New York in any way possible. Projects concerning water quality, fisheries management, entomological surveys, environmental education, etc., are welcome. This is an excellent opportunity to gain experience and maybe pick up a few independent study credits at the same time. YOU must supply the initiative and expertise. If you're interested (and if YOU fish for trout or just like clean water you should be) call the program chairman, Gene White (office 4-56-1183 during the working day, home-682-6421 evenings and weekends) or see Terry Finger in 214 Illick.

Also, if you'll be in the area during spring vacation, the chapter is holding a "Mini Trout Clinic" at the Blessed Sacrament Church, 3131 James Street at 8:00 pm. The excellent movie "The Way of a Trout" will be shown, fly tying will be demonstrated, and Leon Chandler of the Cortland Line Company will demonstrate flycasting. All in all an informative program, and everyone's invited.

A TOUCH OF CLASS

The train station was still crowded as if it were a holiday weekend. Trains were picking up many of the people caught by the energy crunch. It was now cheaper to travel by rail rather than on the highway. Penn Central seemed to want to please the new customers. New cars were being bought and old ones were refurbished. Posters advertising different trains were hung on the station walls. And now, they even renamed the trains; instead of riding on Westbound Train 75, it was now the Salt City Express. The Dewitt Clinton and Water Level Line also crossed the state. It reminded me of the glory days of the railroad when famous trains such as the Wabash Cannonball crisscrossed the country. Now, maybe the increased patronage will really let the trains come back.

The coach I traveled on was clean and warm. The conductor even turned the heat off when it got too hot. A painting of a table with a piece of ham and a knife on it graced the front wall of the coach. Sitting in such splendor, I hardly noticed we got into Syracuse 30 minutes late. If only the tracks could be fixed up so we could go a little faster. Then we might travel along almost as fast as they did 30 years ago and always be on schedule again.

SUMMER JOB

If anyone is interested in working in the Baldwinsville area this summer there is a project being planned for the Urban Development Corp. This will involve work with tree maintenance, recreational facilities, and tree planting. Approximately 12 students from Engineering, RM, Biology and LA curriculums will be needed. If interested see Mr. DeNagy in 104 Bray.

Jobs Wanted:

Two, inexpensive, hard working students desperately need money. We will and can do almost any kind of work you need done. We are experienced in painting (interior and exterior), light construction, and yard and garden work, to name just a few. We are willing to shovel out driveways if it ever snows. Contact either Dave, rm 1114, x3-3540 or Dennis, rm 508, x3-3531.

WORDS OF WISDOM

The more you study, the more you know.
The more you know, the more you forget.
The less you know, the less you forget.
The more you forget, the more you know.
So why study at all?

Tom Zelker
The wrong victims

We have a message for those who demonstrated against the American bombing of Hanoi in December, 1972.

The message comes from Premier Lon Nol, Boret of Cambodia who asks:

"International opinion seems not to react to the suffering of the Khmer people. When American airmen were bombing Hanoi in December, 1972, the whole world condemned the action. But when the other side kills our innocent women and children, there is no reaction. We do not understand this."

"Neither do we. Why isn't there street corner indignation? Why aren't angry people passing out pamphlets condemning the Communist insurgents as they were condemning Nixon for the bombing?"

"Oh, yes, we also have another message for all of you who were so concerned over the plight of the North Vietnamese during the bombing of Hanoi."

This message comes from a newspaper, Le Republican, in Phnom Penh, Cambodia — you know, that country next to Vietnam which — this might surprise you — is being subjected to terror bombing by Communist-led insurgents.

The newspaper asks:

"Is it that the Communists alone are worthy of compassion while their victims merit only silence and oblivion?"

We are anxiously awaiting an answer to this question from any of you who were demonstrating at downtown Syracuse street corners in December, 1972.

And, if you would like to do it, we also would like an answer to another question from Premier Boret:

"It seems if the victims are Communists, world opinion rushes to support them, but if they are not Communists, there is no reaction. Is this the rationale for the discrimination?"

We would like that answered also.

And so would the survivors of the more than a thousand dead from the terror shellings of Phnom Penh.

For we would hate to believe that all those "compassionate" people who lamented the plight of the North Vietnamese do not care if the people of Cambodia are dying.

Are their blood and tears to be ignored because they are not a means of attacking the Nixon administration?

Right now, it appears that way.
MORE ON THOSE BRICKS

In answer to your published puzzle solution:

Your solution to the bridge puzzle does not work. In order to toss the bricks into the air to juggle them, the man must exert a force on the bricks. If he tosses each brick four feet into the air, it takes 40 ft-lb of work to do it. (10 lb. brick x 4 ft.) If his hand moves one foot while tossing the brick, he must exert an average force of 40 lb. on the brick (40 ft-lb./1 ft.). This will raise his apparent weight to 190 pounds. Besides this, he must exert a force on the brick he is catching in order to stop it. So even if he keeps two bricks in the air at a time (or even one) it is unlikely that he can exert less than 180 lbs. on the bridge. I am sure that he would need to toss the bricks higher than four feet unless he is very good, and this will increase his problem. Even though he loses an arm or a leg in my previous solution, at least it works.

Kurt Moberg

Last week, the Knothole received this letter:

Dear Editor,

I think I have the solution to the puzzle on top of page 7 of the Knothole. The man would have to juggle the bricks until he gets across.

Sincerely,

Maureen Lawler
age 10

It must be true that the more education one gets, the less one can do with it, eh?
The buds of our native Basswood, *Tilia americana* taste allot like cooked horsemeat. (Try it sometime.)