ROCKY IS COMING!!

No, not Rocky Raccoon or Rocky the Flying Squirrel--Rocky the Wolf!
The Forest Zoology Club has invited the Clem and Jethro Lecture Service to
discuss with us the myths surrounding the wolf. Their presentation will in­
clude the short documentary "Death of a Legend", and of course Rocky will be
there! (Imagine--a live wolf on our campus!) So join us and learn how much
we 'know' about wolves is fact and how much is falacy.
FRIDAY, APRIL 29............7:30 P.M.
MARSHALL AUDITORIUM

ALL YOU CAN EAT!

Hot Stuff! The Free University, the
non-credit, non-tuition community learn­
ing alternative, is sponsoring an all­
you-can-eat benefit spaghetti dinner on
Friday, April 29, from 6:30 to 10 pm.
In addition to all the pasta, salad, bread
and meatballs you can stuff yourself with,
your eyes will be treated to photographs
by Dave Mosher and Cheryl Carouge, and
your ears will be treated to poetry and
live music. Dinner will be served at the
Euclid Community Open House (corner Euclid
and Westcott). Donation is $2.50, and
tickets can be purchased in advance or at
the door at ECOH. Come have a real good
time and get acquainted with us.

Contact: Lee Gechas at 472-4157.

FORESTRY RECYCLING

Recycling operations will be terminated
until next fall and I would like to thank
all who have worked or contributed paper
during the past year. A note to paper
contributors...If you find your theta bin
missing, please do not leave your paper on
the floor--we will have no one to pick it
up. Thanks again!!

John Lawler
P.S. A special thanks to the people in the
Maintenance Department.

WILDLIFE SOCIETY NEWS

The annual elections for the Student
Chapter officers and executive board mem­
bers were held Monday evening, April 18.
The results are listed below:
President: Kevin Lane
Vice-president: Pam Petko
Secretary: Lorraine Stock
Treasurer: Pat Frost
Exec. Board
Members: Paul Castelli
Laura Mauro

PICK UP YOUR PLANT CUTTINGS!

All those who made plant cuttings
during the Botany Club Greenhouse sessions
are reminded that they should pick their
plants up by stopping in to see Larry
Whelpton on the 5th floor of Illick.
This includes cuttings from this year
as well as some from last year's sessions.
Be sure to pick these up before you
leave for the summer so that there will
be room in the greenhouse for other
things!

D.E
RAH!

One-two-three Rah! This is the last issue of the Knothole for this semester. Next week an underground publication put together by trolls and munchins will grace the campus. The Knothole staff know's nothing about this publication, but we hear its pretty good. If you still want to submit anything for that humor issue, leave it in the 3rd knothole on the right, first left in Oakwood or in the Knothole mailbox.

It's been fun (?), interesting (?), and inspired (!!) at times... see you next September!

ZOO PHOTO SAFARI

A wildlife photo contest sponsored by the Friends of the Burnet Park Zoo, and judged by a panel from the Syracuse Camera Club will award $25 first prize and $10 second prize in both color and black and white classes. There will be a separate judging for Junior and Adult classes.

Entry deadline is May 15th. Check your camera shop or call the Burnet Park Zoo for entry forms and information. ESF students may also contact Bill Campbell at x-8722 or in Baker for additional info.

ENERGY CONFERENCE

On April 16th and 17th, ESF hosted a conference called "Shaping Energy Policy", sponsored by NYPIRG and SU's Environmental Law Society. Competing with beautiful, sunny (!) weather and the dance marathon, attendance was poor, but the conference was extremely informative and interesting.

On Saturday, the pros and cons of our energy alternatives were offered by a wide range of speakers. Sunday focused more on the political aspects of policy and decision-making. Along with the conference, a display of some alternative energy technology was set up outside on the quad. Additional informative and promotional literature was available inside Marshall.

Something of a marathon itself, this two day conference presented an impressive amount of facts, opinions, and predictions concerning energy. Speakers represented a wide range of interests and viewpoints, from Niagara Mohawk Power Corporation to the Environmental Defense Fund. The poor attendance, while discouraging, wasn't disastrous, as the entire conference was taped and will be transcribed. Contact NYPIRG for information on when the transcripts will be available.

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                    Scott Horgen
                    Steve Danko
GRADUATION

I'll cross that bridge when I come to it.  
I've been saying that for years.  
Trying to force it out of my mind  
but never really succeeding  
Oh yes, I've crossed that bridge  
a million times,  
in my mind.  
Now, that bridge is in sight.  
And instead of walking towards it,  
I'm running  
Scared.  
The unknown is waiting,  
And the waiting is over.  
I've walked too long.  
I'll run and cross that damn bridge.  
What the hell!  
I'll have alot more bridges to cross.  
Before I die.

WIND ENERGY

Ordinarily one wouldn't think of obtaining 10% as a 'lofty goal', yet so says Dr. Eskinaze, professor of mechanical and aerospace engineering at SU, in regards to wind power and its feasible contribution to this country's total energy needs in the near future.  

Speaking before Dr. Meyer's Power Generation and the Environment class recently, Dr. Eskinaze proposed that wind derived power could perhaps be best utilized in partnership with existing hydro-electric plants. The free energy of convection currents could act as a source of water for these plants in the form of pumped water up to a storage reservoir, enhancing the widespread use of this technique and at the same time replace energy consumptive water pumps now being used.  500 wind-turbine generators of the kind engineered by ERDA (Energy Research and Development Agency) and NASA could double the power of Niagra Mohawk's present hydroelectric output, which is however only 17% of its total provisions.  

You may or may not think that 500 is a lot, but there are certain inefficiencies in these wind turbines whose blades are in the order of 15 feet in diameter, three to a unit, that dictate their size and numbers. The most optimum design to date creates a 35% loss in potential wind energy available to it by the air currents evolved in its own operation. Another major drawback in these turbines's efficiency is the fact that the RPM's of the actual AC generator in side the unit must be constant. This is accomplished by a gearbox, the size of which could theoretically be enlarged for larger speeds, and it slows the blades down such that their RPM's match those of the generator. Accordingly the overall efficiency due to the mechanics of the machine range between 9 and 35%.  

If wind turbines were integrated over the whole country, everything could run on their power, but this would mean incredible land areas and high initial costs in construction of them. So on a large scale, it would appear that, at least for the present, wind power is not going to be a big alternative energy source in itself. That is, in conjunction with other methods it can be an influential contributor. And on a small scale, mid-western farmers have shown for years the practicalities for windmills in pumping water and in some cases providing electricity. However, now the technology has changed such that with a sufficient wind source the energy needs of a single household can be met with a wind turbine. Let it blow!  

Donald Near
ESF VS. PENN STATE

On April 23, the Woodsmen's Team traveled to Penn State for the Annual Tri-State Meet, which was really a Bi-State Meet in that West Virginia University did not send a team. ESF did exceptionally well. The final score was ESF - 56, PSU - 38. A breakdown of each event follows:

**Felling**
- 1st PSU
- 2nd ESF Bill Edmister
- 3rd ESF Lew Becker

**Vertical Speed Chop**
- 1st ESF Dave Smith
- 2nd ESF Mark Grasman
- 3rd ESF Joe Synder

**Pulp Throw**
- 1st, 2nd, 3rd PSU

**Cross Cut**
- 1st Jim Nelson, Mark Grasman
- 2nd Joe Snyder, Denise Wheeler
- 3rd PSU

**Bow Saw**
- 1st Dave Smith
- 2nd Mark Grasman
- 3rd Chuck Litty

**Log Roll**
- Bill Morse, Dan Stitzel
- Lew Becker, Nick Giannettino

**Gross Cut**
- 1st Jim Nelson, Mark Grasman
- 2nd Joe Snyder, Denise Wheeler
- 3rd PSU

**Horizontal Speed Chop**
- 1st Dan Stitzel
- 2nd Joe Synder
- 3rd Jim Nelson

**Splitting**
- 1st PSU
- 2nd PSU
- 3rd PSU

**Axe Throw**
- 1st PSU
- 2nd PSU
- 3rd Tim Countryman

**Chain Throw**
- 1st Helana Hoover
- 2nd PSU

**Pack Race**
- Fritz Stohl, Ray Hahne, Dave Smith, Bill Morse, Mark Grasman, Jim Nelson

Water Boil was cancelled due to the poor quality of wood (it was wet) and the weather (it was raining). But ESF would have won anyway.

Kappa Phi Delta welcomes their four newest brothers who were initiated Sat. April 16th: Freshmen Steve Baumann and Mike Cacavano, and Juniors Dave Utterbach and Dan Schiffhauer. Congratulations and welcome to Kappa Phi.

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**BIRD OF THE WEEK**

The yellowthroat (*Geothlypis trichas*) is a common spring warbler in our area. It is a member of the wood warbler family (Parulidae). This large passerine family includes the warblers, ovenbirds, water-thrushes, redstarts and chats.

Yellowthroats are stocky short-tailed warblers. Both sexes have a bright yellow throat and an olive-green back. The male has a black "mask" and a yellow breast. Many species of warblers prefer to stay quite high in the forest canopy. Yellowthroats are seldom found in tall trees. They inhabit shrubby and swampy areas and usually stay on or near the ground. The yellowthroat is commonly found along the brushy banks of woodland streams.

These tiny (4½ inch) green-backed, brush-loving birds are not easy to observe. Probably the best way to find the yellowthroat is to just recognize its "withity-witchity-witchity" song and then watch closely for the slightest movement in the underbrush.

-Thomas Ventiquattro
AN ENERGY OVERVIEW

Energy use in America is doubling every 20 years, and electricity consumption doubles every 10 years. But this is a finite planet, and exponential growth can't continue forever. Sooner or later we'll run out of fuel, or environmental damage will forcibly stop our growth.

For example, at our present growth rate, oil and natural gas will be used up in 60 years, worldwide. If there was zero demand growth now, these fuels might last 180 years. (Since the U.S. consumes such a disproportionate amount of fuel, our own national resources will be used up much sooner.)

Coal could last about 110 years at present growth rate, and 1300 years at zero growth rate. However, before the coal ran out, we'd have to stop using it, due to CO₂ pollution. CO₂ in the atmosphere creates a greenhouse effect, which, after about 60 years, could lead to climatic catastrophes. Oil consumption is also limited by CO₂ pollution.

Nuclear fission could provide energy for 200 years at present growth rate. However, thermal pollution will become a major problem. In 300 years the surface temperature of the earth would go from it's 60° average to 160° F! (However, at zero growth rate, fission could theoretically be used for 28,000 years.)

There are several alternatives left. Nuclear fusion could potentially provide energy for 20 billion years, once we figure out the technology to get at it. Similarly, direct solar energy could be a major, long-term energy source, depending on some technological refinements. Tidal, geothermal, and solid waste energy could each provide just a small fraction of our energy needs. Wind and water energy can't supply a large percentage without major environmental damage.

From all this data, two things seem clear to me. We must reduce the growth rate of energy demand, and we should invest our time and money in researching solar energy and fusion. The Federal government can't be so shortsighted anymore. I mean, much as we all gripe about 'Syracuses' long winters, 160° summers aren't much of an alternative.

Linda Palter

CREATIVITY CONTEST

Short Story: Irwin Post
Grad Forest Engineering

Poem: Marianne Cirrito
Junior Resource Management

Cartoon: William Hamersky
Senior Biology

Masthead: Michael Rubinstein
Senior Wildlife

The Short Story "On the Natural ?! Selection of Oughtomobiles" is available upon request. Just leave a note in the Knothole mailbox indicating that you would like to read this story on the automobil (Motaveaklis).

One lonely marigold
which stayed,
despite the chill
of winter,
waiting.

One warm November night
I picked
the last flower
of the year,
for you.

-Michael Demeyer

(This article was summarized from information presented by Dr. Edward Thorndike, at the NYPIRG Energy Conference held April 16th and 17th.)
EMERGE

Travel an ancient worn way, slit in the forest curtain,
Tramp in solitary silence through evergreens wrapped in ermine.
All held motionless,
resting immobile until seasonal sunrise returns and passes
breath of green across the land.
Now there is only cold and snow and trees.
The hushed crunch of boots grasping the land's white winter cloak.
Delicate tracery of rabbits' feet,
A wispy web woven without
pattern or design, fleetingly fragile,
Gone with a whisper of wind.
Emerge at dusk, sharp cold, glimpsing small house window
panes of warm-light diamonds
approaching,
Calls me home with voice of pungent wood smoke.

-Marianne Cirrito

Stepping from his suburban hillside home
He speeds
Along the asphalt highway
That will bring him to his destination.
While endless grasslands swim
In misty morning sun to either side
And summer air
Brings the smell of dust
And water.
And for a moment
A primeval memory catches at his heart
Of a time when he stepped
From the hillside cave, the common dwelling of his kind.
When with spear in sunbrowned hand
He followed the unrecorded trail
That would bring him to his destination
Grasslands stretched to the summer horizon
Rising in hills under a sun that promised heat.
And at last he stood between the hills
The fierce roar of other hunters inciting the hatred of his competitive spirit.
Yet, leaning on his spear, in the assurance of his vitality,
He knew as he looked below that he would eat tonight.
A solitary figure against the sky.

A curve in the road brings him to the present.
He looks
With fearful eyes at the strangely unfamiliar world he has always lived in,
And he reaches mentally for his long gone spear
As the gray walls and exhaust fans loom before him
As within, the benches of machinery stretch away endlessly to either side,
Their fierce roar inciting the hatred of his competitive spirit.
And, leaning on his pencil,
In the assurance of his vitality,
He knows he will eat tonight.
A solitary figure against his self-created sky.

-SMER
Like a tangent
    I course through my location-points
To touch once-
    not a true intersection
    upon your circle.
I shall never reach your center
    as I travel to ever newer places.
Your infinities there for all to see
    as centripetal force
    sends you hurtling.

-Laural Fitch
Security kicks everyone out of the library because they didn't want the one person causing a disturbance to distract the other students in the library trying to study. Way to Go Security!!

Last week's plant anatomy lab was brought to you by Alex Haley.

LOST: one pink touring cap. If found, please contact Jim Berry in room 2002 Lawrinson.

LOST: One raincoat sleeve Saturday night in the vicinity of one verrrrry large rain puddle.

Congratulations to Jeanne Debons for action above and beyond duty in the fight against M D.

Big Whip for 42B!!

K & M: Physics would have been intolerable if it wasn't for the now defunct Universal Variable, and our many doctoral thesis. We've got the Nobel Prize sown!

Ichthyology— the study of an unpopular religion.

LOST: One pair of SCHOOL SOCKS. If found please direct them to their rightful owners.

HH: How is your life dependant on baby powder? I don't understand! JK

NEWSBREAK. Frank Maraviglia was arrested by Syracuse police yesterday after becoming agitated and stopping suddenly on Route 81 near Lafayette, causing a 12 car pileup. Chief of Police, Thomas Sardino said Maraviglia was found at the scene of the accident walking up and down the dotted white line complaining about its lack of "good line weight and quality". John Felleman, who was with Maraviglia at the time, was quoted as saying "I didn't know what the hell he was doing, but I guess he felt he just had to get out and look at the goddam thing. To tell you the truth, I thought he had more up there in his tacklebox.

UBS is a two-and-one-half-beers man.

We're grown-up now...we can do it without you, ma.

Ginso's whole-wheat roof shingles--Eva Gabor, eat your heart out!

Olivia, stick of my life... JH

Thanks to Nick the busdriver, ginzo & the gang.

Remember— DO NOT take Rt. 26 over the mountain.

Helana and Janet— ain't it a peach!

Guys— you were great pushin' Joanne

I bet you a dime that I can kiss you without touching your lips.

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GOINGS ON

Friday, April 29 - 7-8:30 P.M. - Saengerbund - The Forestry Chorus. Marshall Auditorium.


Monday, May 2 - 7:30 P.M. - Student Council Meeting, 321 Bray.

- 7:30 P.M. - Gay Women Students Meeting at University Women's Center, 750 Ostrom Avenue.

- 8:30 P.M. - Backyard Nature Program, 238 Illick.

Tuesday, May 3 - LAST DAY OF CLASSES

- 7:30 P.M. - CESF Explorer Post Meeting. Robert Jelinek will speak on "Computers and Their Use in Forest Management" to be followed by a tour of the computer center. 5 Illick.

Wednesday, May 4 - READING DAY

- 8 P.M. - Onondaga Audubon Society. Dr. Maurice Brown, well known conservationist of Hawk Mountain Sanctuary (Pennsylvania) will use slides and a film on hawks and eagles in migratory flight in his illustrated program on "Our magnificent birds of prey." Marshall Auditorium.

Thursday, May 5 - FINAL EXAMS THROUGH MAY 11. Exam Schedules available in 107 Bray.

SATURDAY, May 8 - MOTHER'S DAY!

Also: Sunday, May 1 - 4 P.M. - SU Orchestra Spring Concert in Crouse College Auditorium.