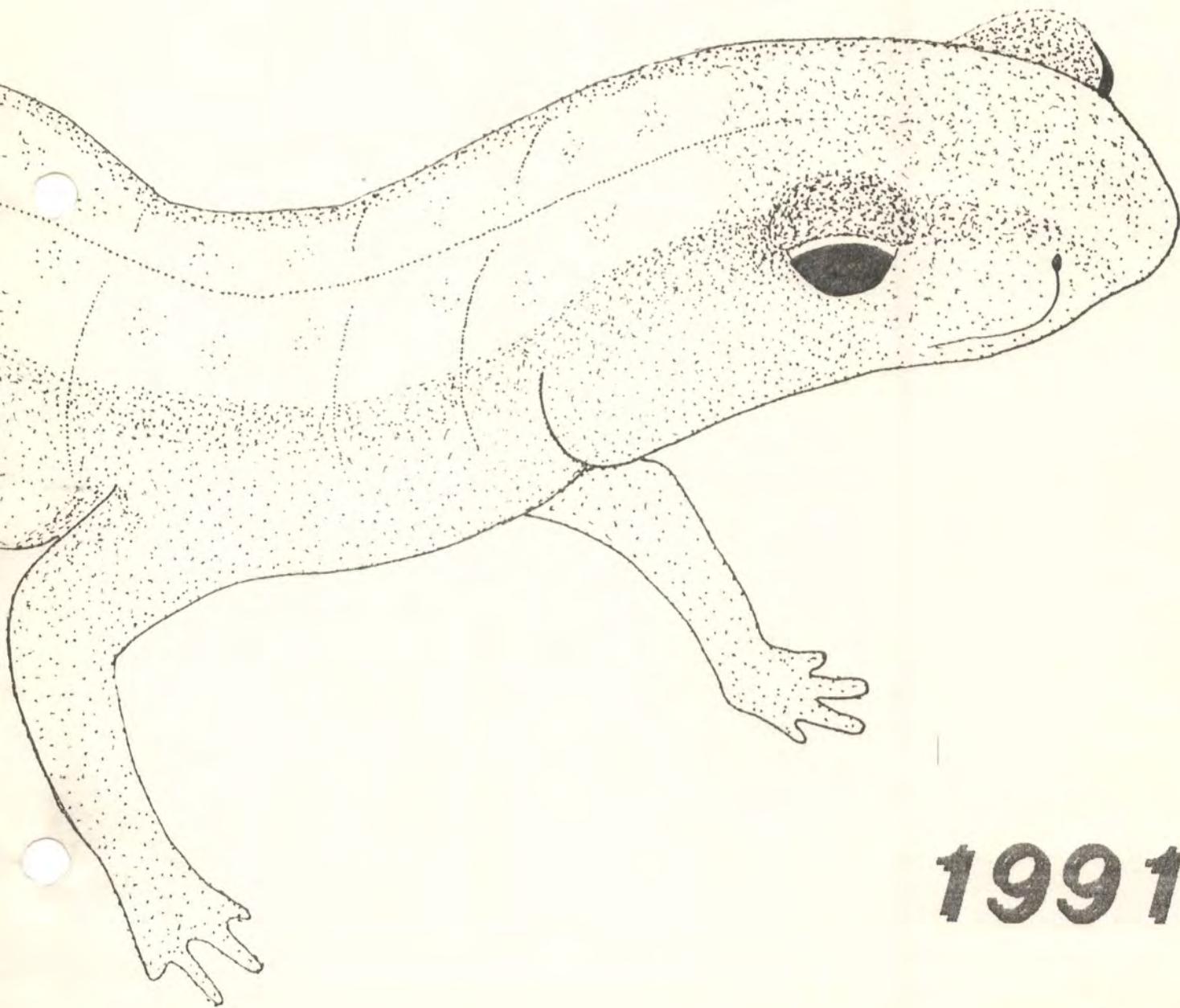


MOUNTAIN LAKE

ECHOES



1991



1st Term Classes

ECOLOGICAL GENETICS

Dr. David West, David Barton,
Tracey Spriggs, Mike Hood



MAMMALOGY

Athena Jenkins, Judy Holien, Amy Anstey,
Dr. Jack Cranford, Phyllis Wells, Debbie Fortune,
Brian Weaver, Arpad Lazar

ANIMAL BEHAVIOR

Dr. Bob Jaeger, Sharon Wise,
Kevin Brown, Kirstin Siex

TO THE MOUNTAIN LAKE MOUSE COUNCIL:

I was cruelly and maliciously captured, measured, weighed and given an ear ring all without my consent. And while being held in captivity, I over heard some of their code words which they often repeated--

IS THAT REALLY AN EPIDIDIMUS! OUCH! I JUST GOT BIT AGAIN!

KICKIN, I THINK I KILLED IT!--S P A A A Z!

IT'S A BOY, AND BOY IS HE HUNG! - Censored-

OH GOD, THAT'S GROSS

THERE'S AN OAT IN YOUR HAIR, DR. CRANFORD, AND I CAN'T CONCENTRATE ON WHAT YOU'RE SAYING!

B-U-R-P! I'M STOKED AND FULLY TORKED.

I THINK I LEFT THIS MOUSE IN THE MICROWAVE TOO LONG.

I LOVE YOU GUYS.

This information may be of use in our coming revolt, along with the intelligence gathered by our chipmunk brothers on their reconnaissance missions into human territory.

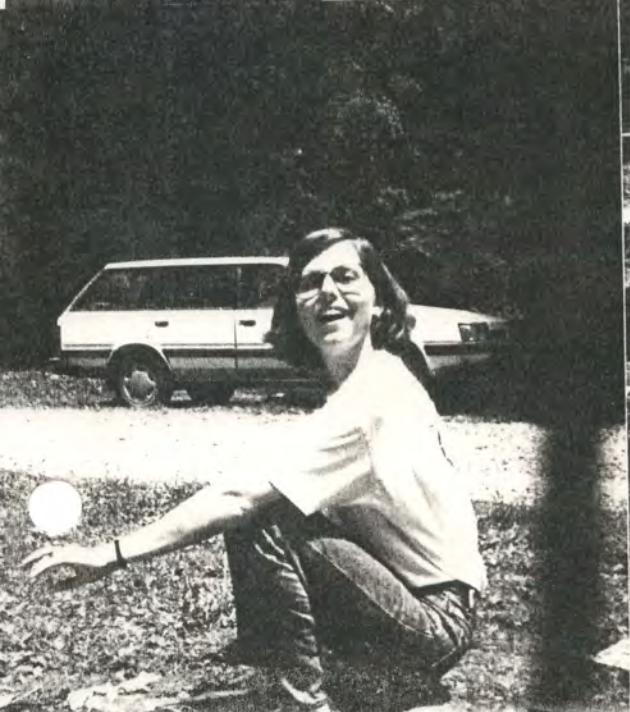
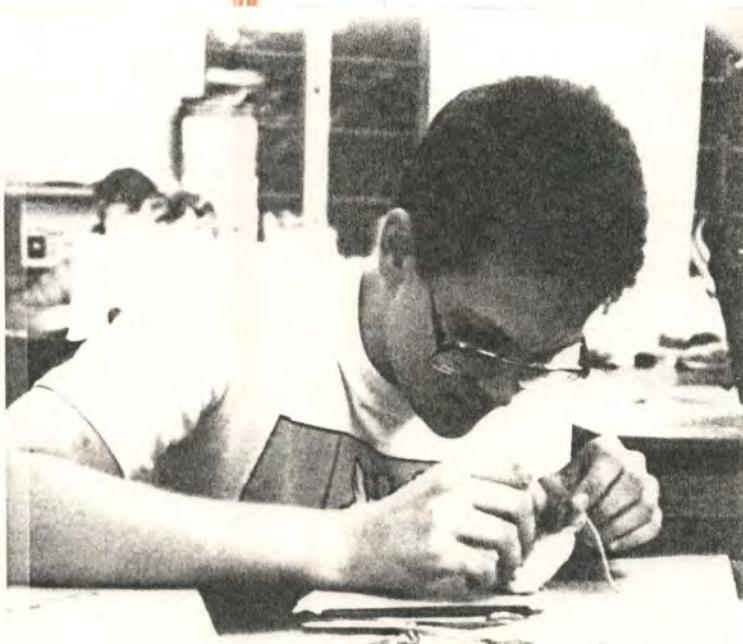
POWER TO THE RODENTS!

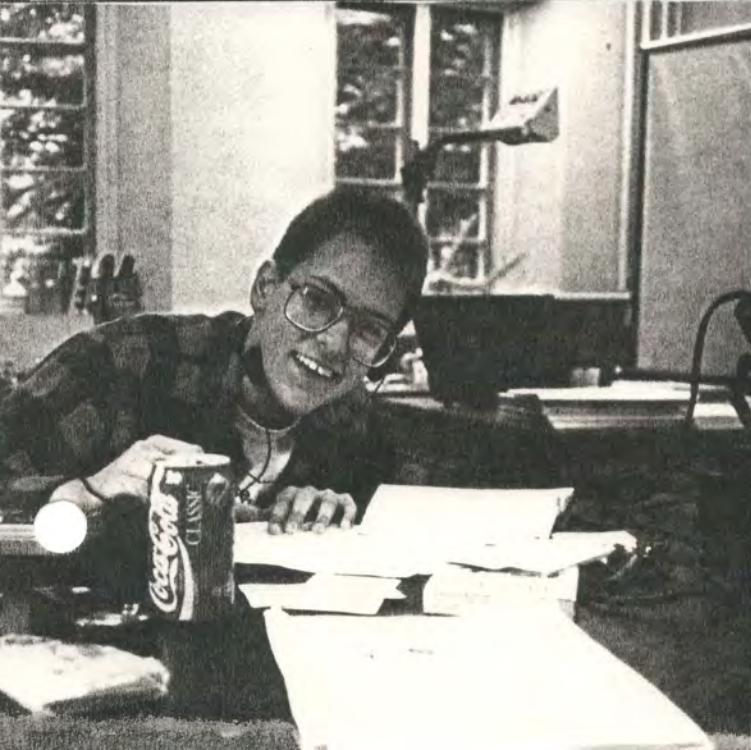
Brian Weaver
Amy Anstey
Dr. Jack Cranford
Arpad Lazar
Judy Holien
Athena Jenkins
Debbie Fortune
Phyllis Wells
(In order of appearance)





MAM
M
M
A
L
S





ANIMAL BEHAVIOR

Sharon Wise, Kirstin Siex, Kevin Brown

To: The Newters
From: Bob
Re:

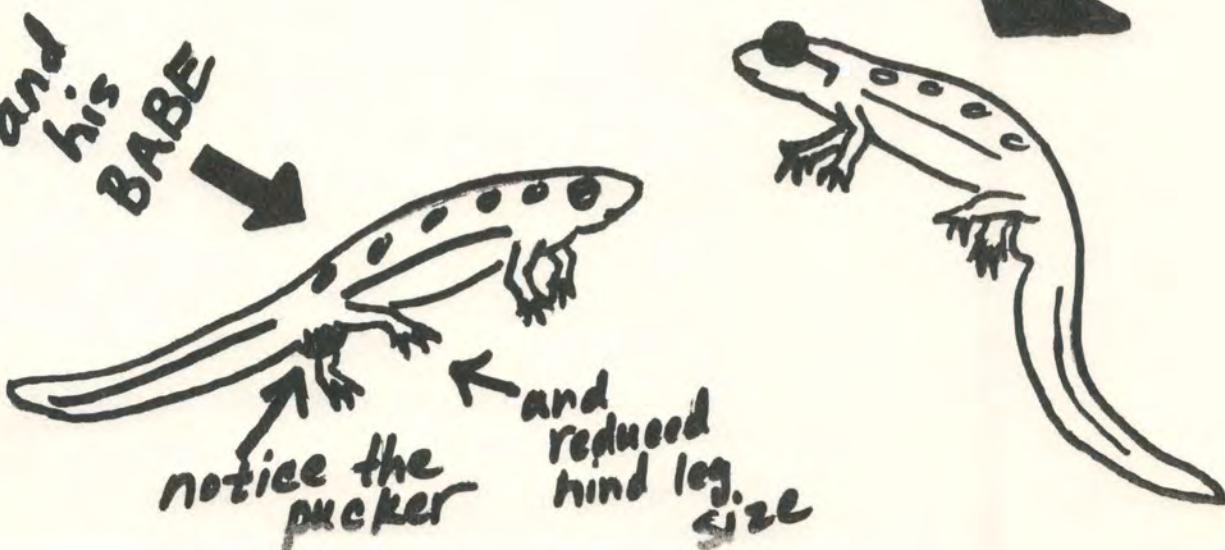
Updated class schedule as best I can determine it.

What exactly
is our **HARD
CORE?**

Riopel Pond and
Horatio, Howard,
Horowitz, or could
it be Horton
Pond?

MOUNTAIN LAKE HASTY NEWS: LET THE FIGHTING BEGIN!
an Experiment by Kevin Brown, Kirsten Siex, Sharon Wise (with
special appearances by Robert Jaeger)

THE
FOCAL
DUDE





Shenandoah Nat. Park Trip



Animal Behavior



& Salamander-ers

ECOLOGICAL GENETICS

WARNING: Be on the lookout for four dangerous and armed Ecological Geneticists. Last seen running through an open field frantically chasing Papilio glaucus. The suspects were armed with butterfly nets and cyanogenic clover.

KNOWN VICTIMS:

Cepaea nemoralis (slugs with shells)

Trifolium repens

Batus philenor (or a mimic thereof)

Bags and bags of Biston betularia

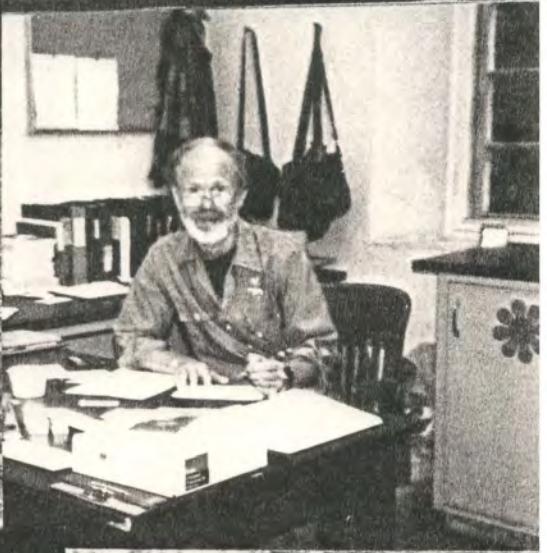
A fair amount of shrubbery on the Virginia Tech campus

DESCRIPTIONS: The leader of the Dreaded Lepioptera gang is a tall man who has been reputed to say: "That's not a pin, it's a thrum. You bluet!" and "You put you accent on the wrong syl-a-ble!"

The second member David "I wish I could get out of taking this test because I really don't need the credits to graduate" Barton is likely to be seen madly fleeing angry hornet nests or doing the M.C. Hammer on the volleyball court. He is deceptively quiet yet easily provoked.

The third "hood", Michael, "one-not-BONK-4,5 fused" Hood camouflaged himself by lying on his dorsal surface beneath the fore mentioned Va. Tech shrubbery. He leaves the safety of this burrow only to scavenge the hillsides for blackberries, blueberries, raspberries, wineberries, sweet cherries, huckleberries, or strawberries.



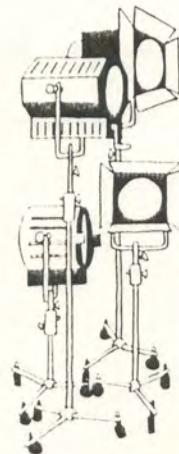


Debbie Fortune Judie Holt
Brian Jenkins Athena Jenkins
Phyllis Wells Amy
Árpád Lázár

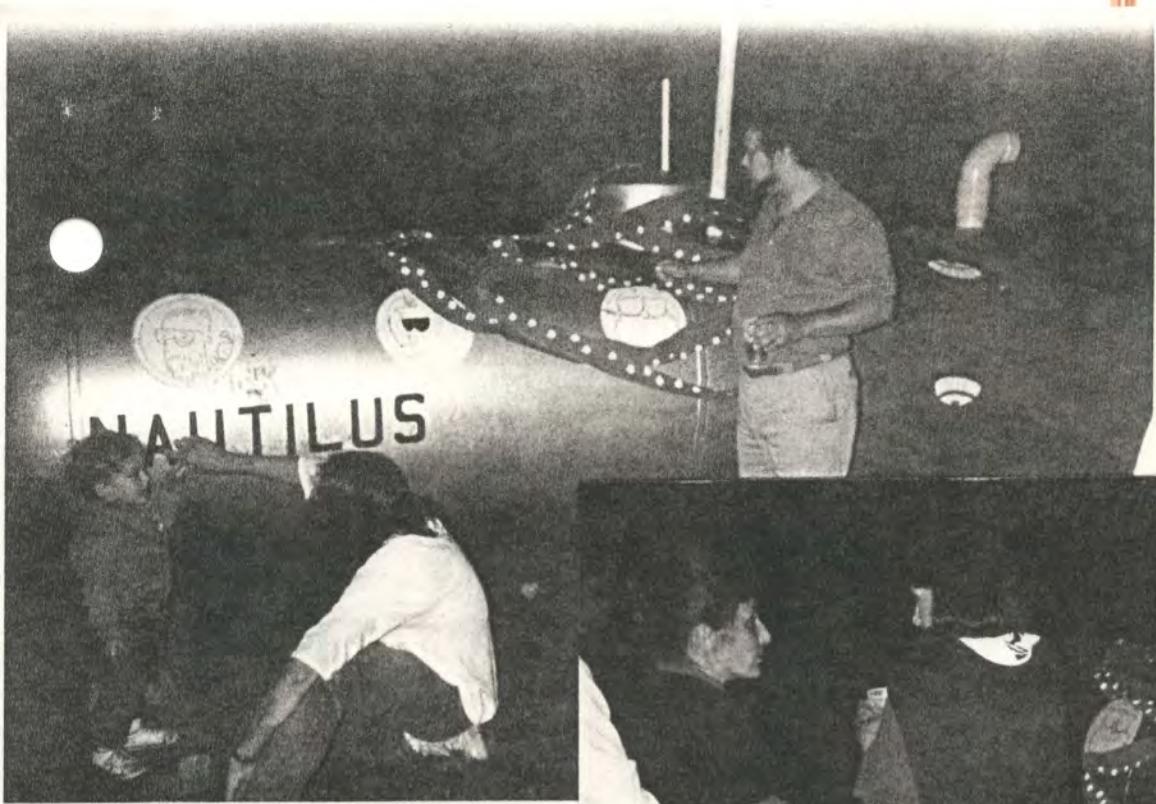
GRAFFITI



J
E
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A
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D
Y



**20,000
LEAGUES...**



MEANWHILE





THE DONAHUE SHOW

CHILD STARS GONE BAD

AUDIENCE

what we do for fun...

dance,

dance,

ride bikes

do magic tricks

dance !!!

sweep floors

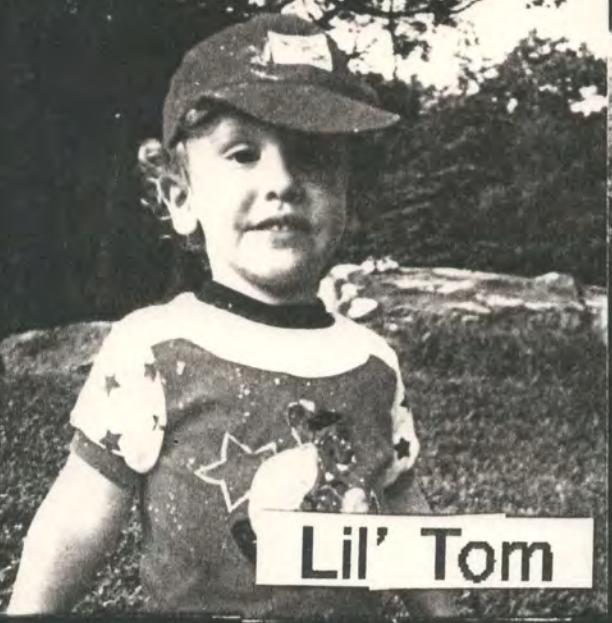
get nests out of trees



The Kids



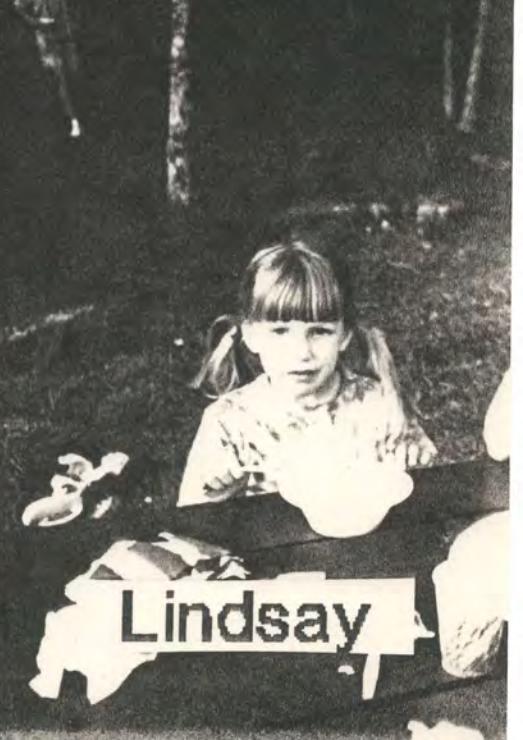
Houston



Lil' Tom



Helen



Lindsay

GATHERINGS



Time out for visitors



Small group discussions



The eclipse



Sunday night cookouts



Trail clearing expeditions



July 4th



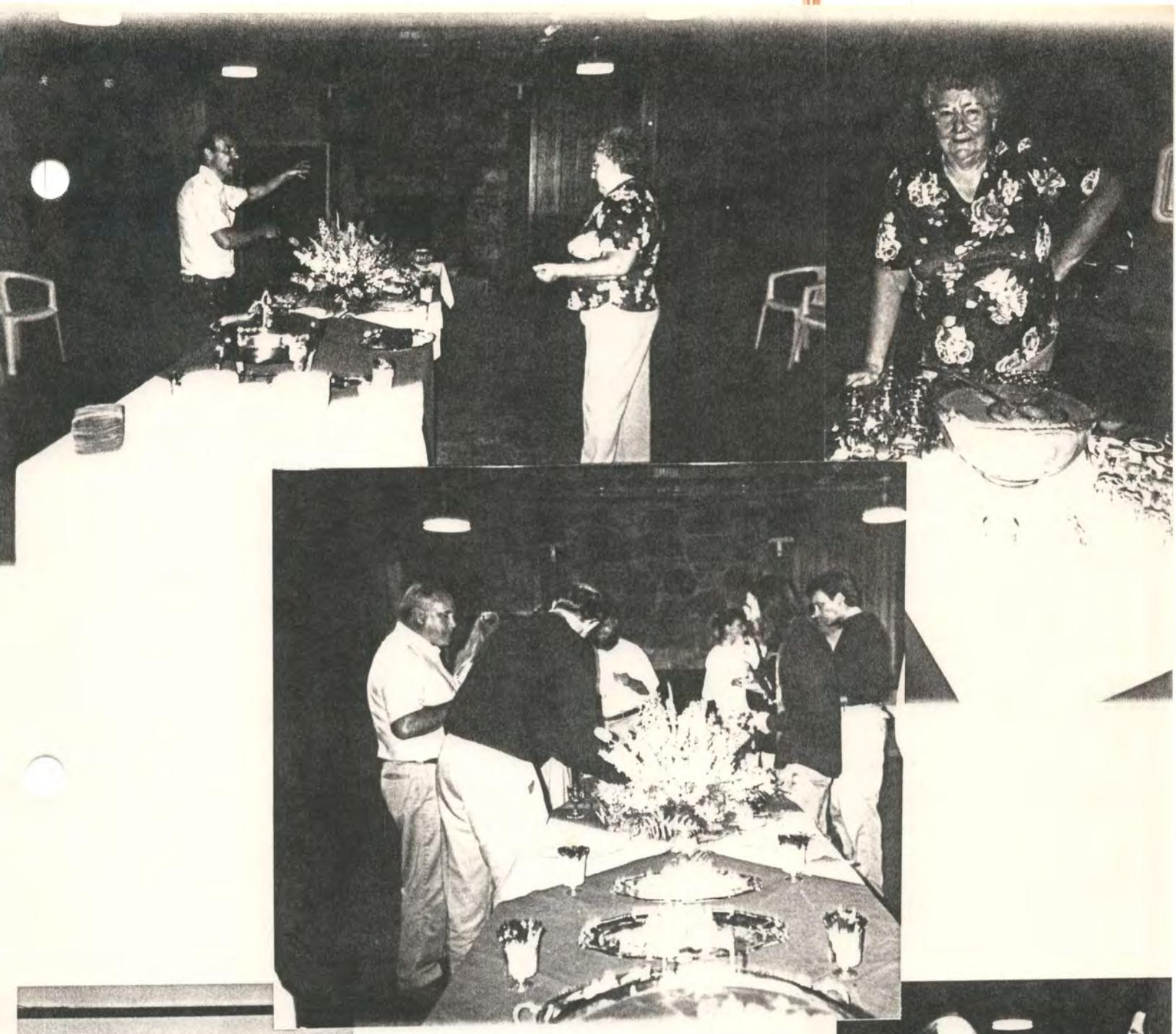
GREAT SHOTS!



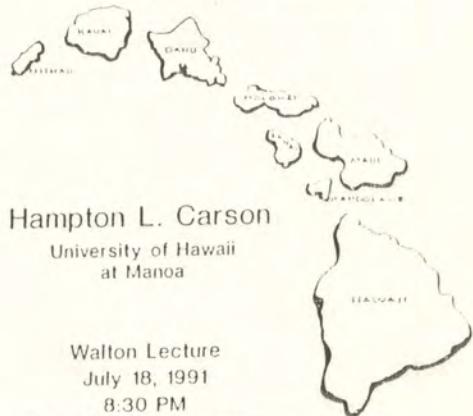
Tie dying...

a big event





Evolution of *Drosophila*
on the Newer
Hawaiian Volcanoes



Hampton L. Carson
University of Hawaii
at Manoa

Walton Lecture
July 18, 1991
8:30 PM
Mt. Lake Biological Station



REFLECTIONS ON THE 1991 PLANT TAXONOMY CLASS AT MOUNTAIN LAKE by Spencer Tomb

"Variety is the very spice of life." (William Cowpers)

This year's Plant Taxonomy class is the largest and most diverse that I have had at Mountain Lake. From the very first there was "good chemistry" and a willingness to work hard. The evenings spent in the lab will long be remembered. But what a strange assemblage.

We had a high school whiz kid, a college administrator, a white water river rat turned school teacher, a bona fide botanist from Botetourt County, a goddess from California, a pole vaulting plant pathologists, and last but not least a Mathews County Wetland activist who earned the title, "Miss Vacant Lot of Giles County", while in the course.

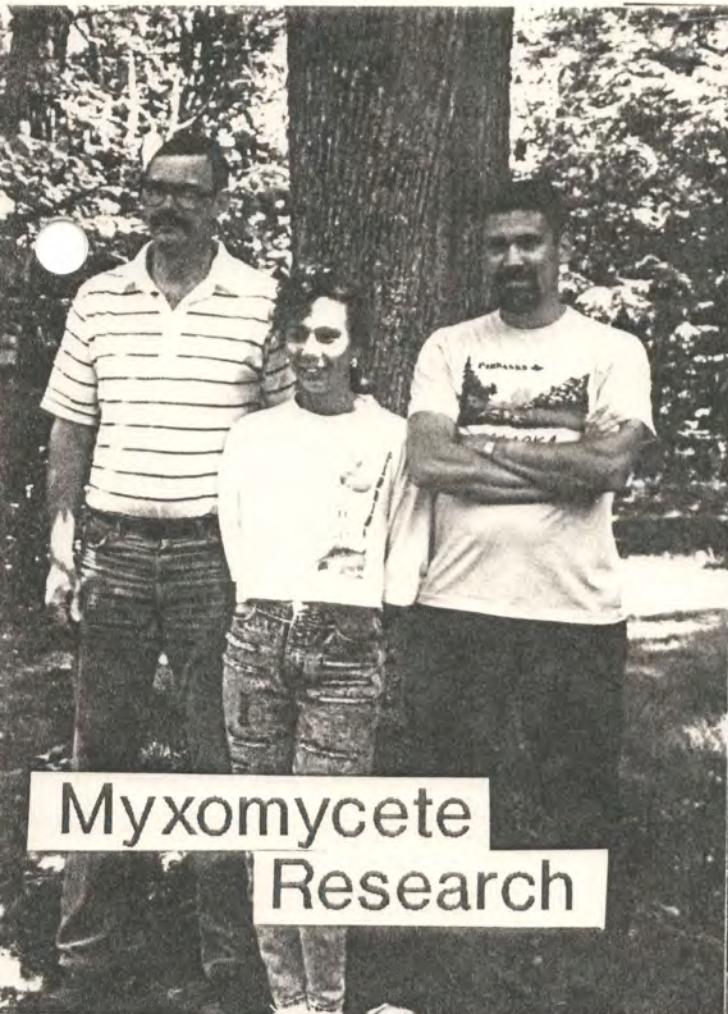
We hit all of the usual places that Botanists should see in the Mt. Lake area and were on the road a good bit more than when the course is taught in the first term. As expected there was a shift to the Asteraceae late in the course with a chart of D.Y.C., DYC, DYC. We tried to change the Damned to delightful but alas not everyone is cut out to be a synantherologist!





Salamander Research

L to R (1st row): Cindy Gill, Sharon Wise,
Bob Jaeger, Shu-Mei Chang
(2nd row): Laura Mojannier, Melody Ng,
Henry Wilbur, Miles Silman, Mark Gustafson,
Chris Caruso, John Fauth



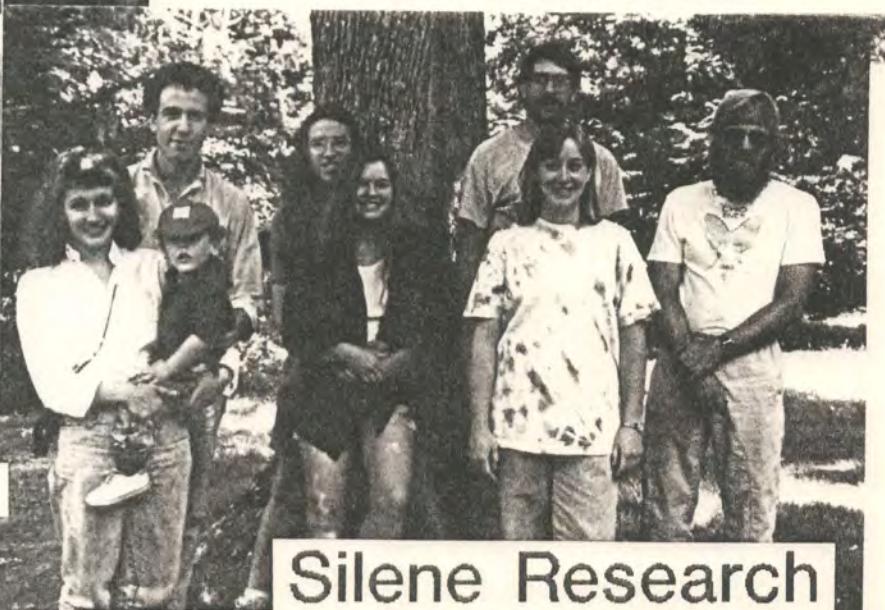
Myxomycete Research

John Landolt, Shannon Emmel, Steve Stephenson

Junco Research



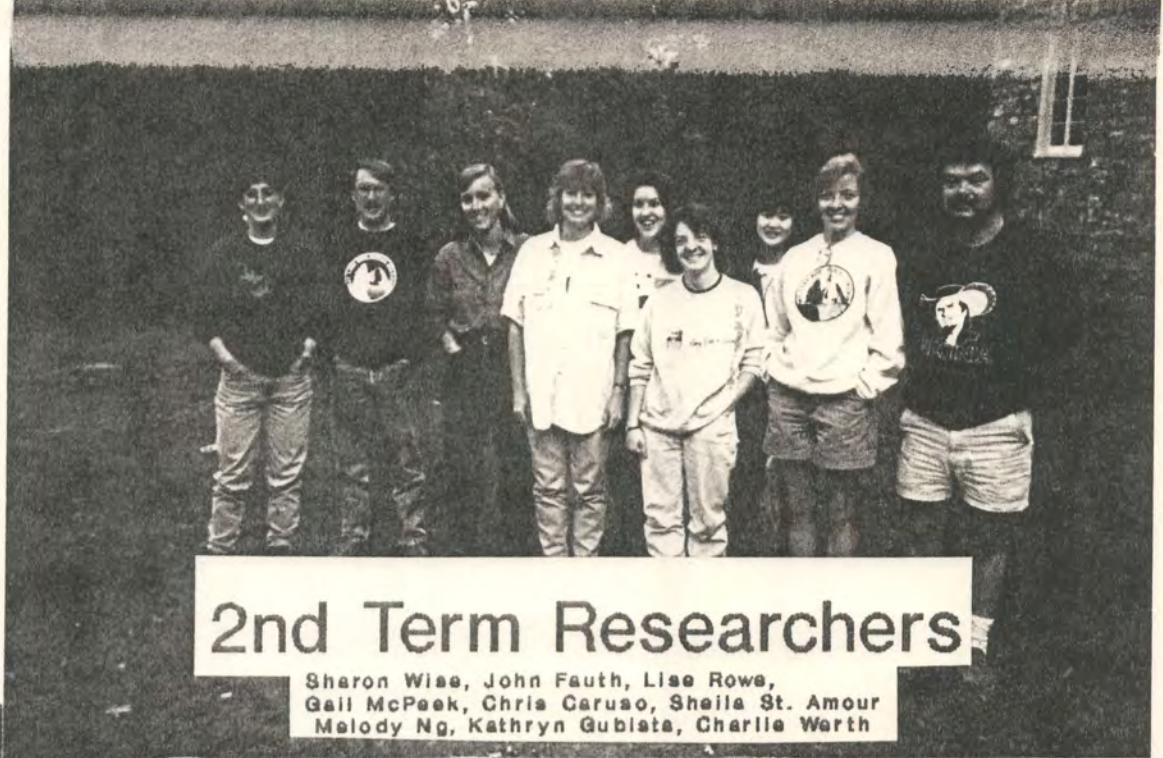
Ray Chandler, Kevin Kimber, Sammrah Raouf,
Lise Rowe, Ellen Ketterson, Val Nolan,
(Kneeling) Michelle Chandler & Houston



Silene Research

(1st Row) Michelle Dudash & Tom, Cynthia Hassler
Bernie Roche

(2nd row) Charlie Fenster, John Price,
Andy Jarosz, Peter Thrall



2nd Term Researchers

Sharon Wiae, John Fauth, Lise Rowe,
Gail McPeak, Chris Caruso, Sheila St. Amour
Melody Ng, Kathryn Gubiata, Charlie Werth



Allozyme Workshop

Mike Hood, Rebecca Nokes, Charlie Werth, &
Tracey Spriggs (she's a little hard to see)



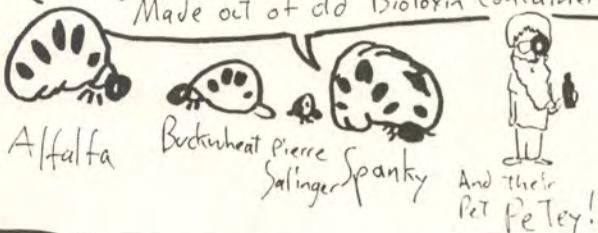
PICTURE DAY ANTICS

Hey Kids!

IT'S SPANKY AND OOP Group Interaction
AND STARRING Based on Statistical
MIXED Variance and Mixed
PATERNITY Gang

THE Little Frasca ls!

Let's involve ourselves in an Outlandish Scheme that involves Alfalfa winning a singing contest and the rest of us riding down Main Street in a cart made out of old Biotoxin Containers.



We Got Him, Boss

We Checked His Chromosomal Differences and...

Bingo! He was carrying large amounts of Heterozygous Genetic Variability

Officer Silverster

HANNIBAL

Grind Him, DANO



Hawaii Fly-O

SUMMER BOX OFFICE HITS



Victim after Victim



Plant after Plant



Falls to this killer



To this Psycho-Pathic Spreader of Smut



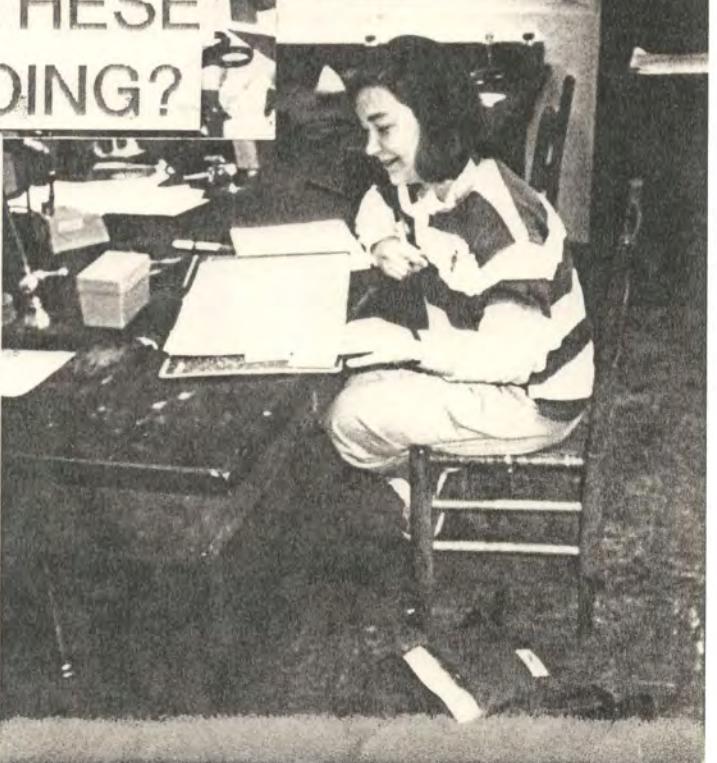
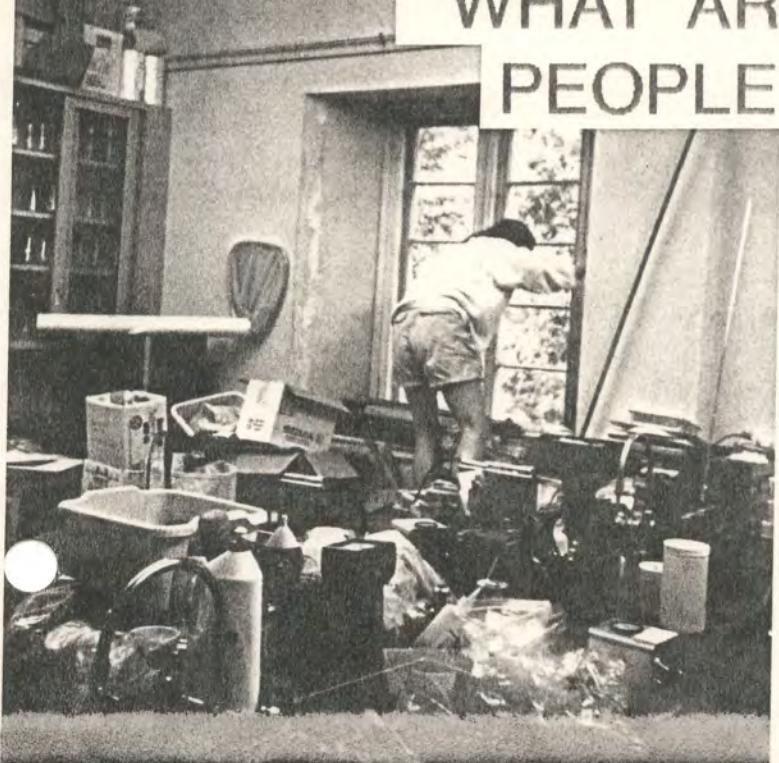
Known As Hannibal Vector.

Silence of the Lambs





WHAT ARE THESE
PEOPLE DOING?



Kathryn's Story

Once upon a time...



Choose your own ending



"Where's Officer Roche?"

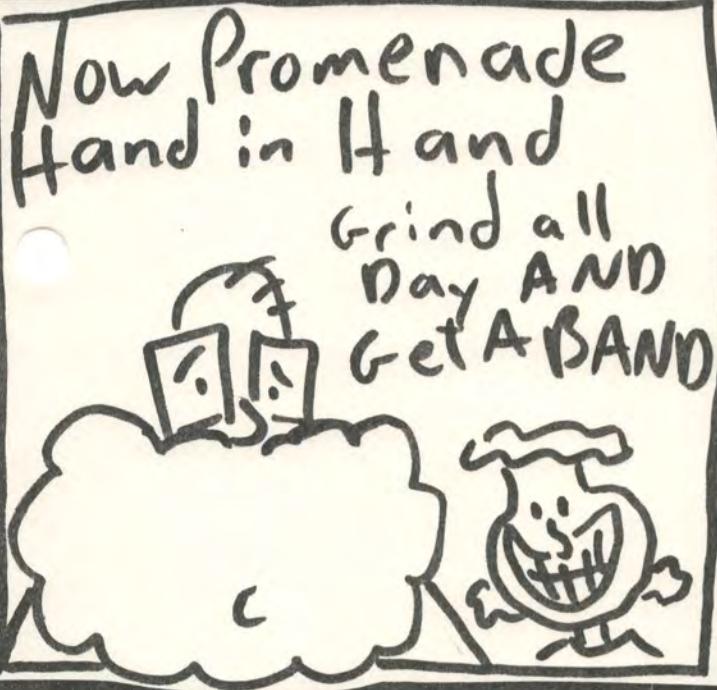
"I saw the whole thing!"

"It was the groundhog's fault!"

"It is not politically correct to state that 'it was the groundhog's fault.' One should state that the groundhog was 'anthropogenically challenged' and that it was equal to that challenge. To be fair, one must also state that Kathryn was 'rodentially challenged' and that she proved nearly equal to the challenge. In the final analysis, the entire incident is best described as a neutral clash of equally meritorious cultures in which each participant arrived at a greater understanding of the other's point of view, and thereby creating a mutually enriching experience. It is regrettable that more people at the station were not able to have such an experience. Kathryn should be very grateful."

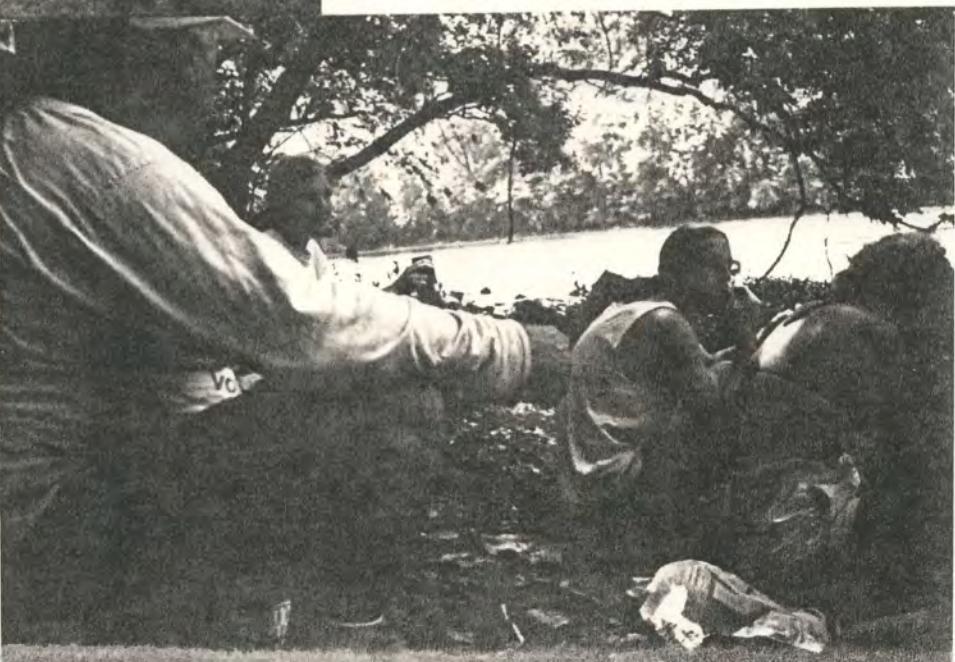
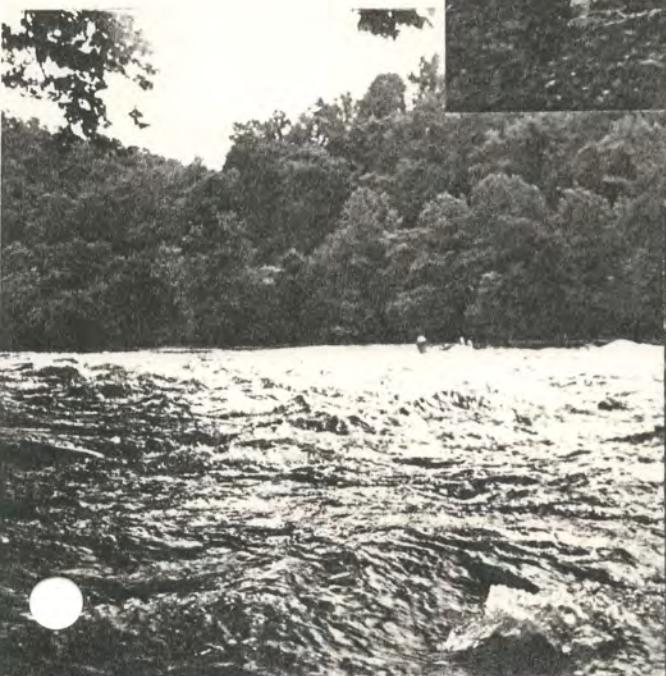
"The groundhog was NOT wearing a helmet!"







CANOEING...



2nd Term



Plant Tax

Brian Weaver, Ruth Douglas, Jenny Morlang
Mike Hood, Hilarie Jones, Spencer Tomb
Anne Watt, Athena Jenkins



Community Ecology

Roger Browner, Ana Follaco, Mike McPeek, Adriana Galboreanu
Mark Simmona, Peter Mariner, Courtney Carter, Arpad Lazar,
Joe Travia



DNA Workshop

Mike Timko, Rebecca Nokes, Mahinda Martinez, Kathy Hornberger,

COMMUNITY ECOLOGY==REDTOOTH & CLAW

I was a long, neverending drive up to the top of a beautiful mountain where we were destined to experience the ecology of a community or so we thought. After we arrived and settled in, we made great friends. Chipmunks or "chippers", as we so affectionately called the, became our neighbors, constantly "borrowing" apples, cookies and other various munchies. Five intellectually stimulating and rigorous weeks of hammering nails, slicing toes, stapling bags, counting "grass", grabbing "manders", finding "chewed and unchewed", seeing the light, counting "ox", dying over Daphnia, arguing over papers that "sucked", looking for "blood and gore" under the forest canopy in tiny acorns, and perplexing over isocline and figuring out whether it was the graphs or us that were unstable--these were all integral parts in not only allowing us to realize our love of the natural world around us, but giving us the knowledge to appreciate it even more. There is nothing better than flowing on acorns and counting chewed locules to make you question your sanity and allow you to realize that this is actually what you may want to do the rest of your life.

After having this class we can all have the peace of mind in knowing that our haunch positions will be put to future use.

Ana and Arpad will continue building unusual floating contraptions, dipping endless buckets of water out of plastic bags, counting "little white teardrop things" with the aid of Leuwenhook's invention and impaling them with sharp objects.

Courtney will continue seining contaminated ponds for "toxic little red-spotted green guys", rendering them helpless by slicing off various toes and hearing them as they express their pain with sharp-ear-piercing squeals.

Mark will continue hurling meter sticks through the air picking random plots of "grass", counting "green leafy stuff" and all the while exclaiming "This sucks".

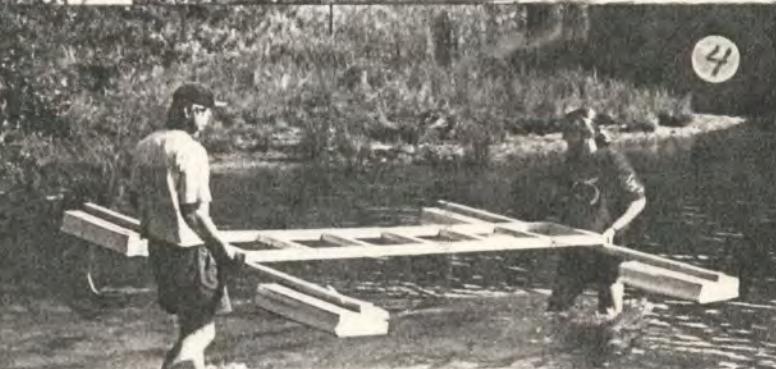
Peter will continue foraging for "manders", lifting rocks and logs in the rain and holding the helpless creatures in his hands while saying, "Ah--I'd like to smash its little head".

Shu-Mei will continue searching for "poisonous plants" counting chewed parts, measuring lengths and continuing to ask "What a ... is".

Roger will continue searching for "blood and guts", wondering whether "real" predator-prey relationships exist, looking for intestinally challenged products and blowing eagerly on acorns of the forest floor.

Adriana will continue hiking through "jungles", searching for "the light" and throwing javelin markers while impaling unsuspecting Trifolium which peacefully rests on the forest floor.

As for Joe Travis and Mark McPeek, they will continue their mission of teaching Mt. Lakers about the **Wild, Wild Kingdom** that we live in, while "attempting" to make every day in the classroom and in the field and intellectually stimulating stand-up comedy routine.



MULTIPLE CHOICE: Choose the best caption

- Pic 1
- Pic 2
- Pic 3
- Pic 4
- Pic 5

- a. This is the life!
- b. Another Nat. History day?
- c. Who me?
- d. This field biology stuff is neat!
- e. You've seen one shale barren you've seen 'em all!
- f. I'm loving every minute
- g. All of the above
- h. None of the above
- i. Some of the above but I'm not sure which ones!



1991 - 2nd Term - Plant Taxonomy with Dr. Duck

Grab the field press! Does everyone have boots on? Brian, where's your rain gear? Get a garbage bag from Jefferson (the dining hall)!

Where are we going today? The Mobile Unit Director said, "Plan B is in effect. We're going to Claytor Lake to a rocky cliff for a prelude to the shale barrens excursion. Shoot! We miss Buffalo Mtn. this term. Oh well! I'd hoped to see the old bison this year.

Plant Taxonomy 2nd session is a map reading search for open areas to find flowers. The first flush of flowers is past by mid-July on the mountain, so-o-o Dr. Tomb was kept hopping trying to think of places for us to find new families everyday. When we arrived at most sights the first week, there was a real order to keep out of the blueberry patches and search for flowering plants. We hiked to Bear Cliffs on one of the first days. By this time we had met all 7 people in our class:

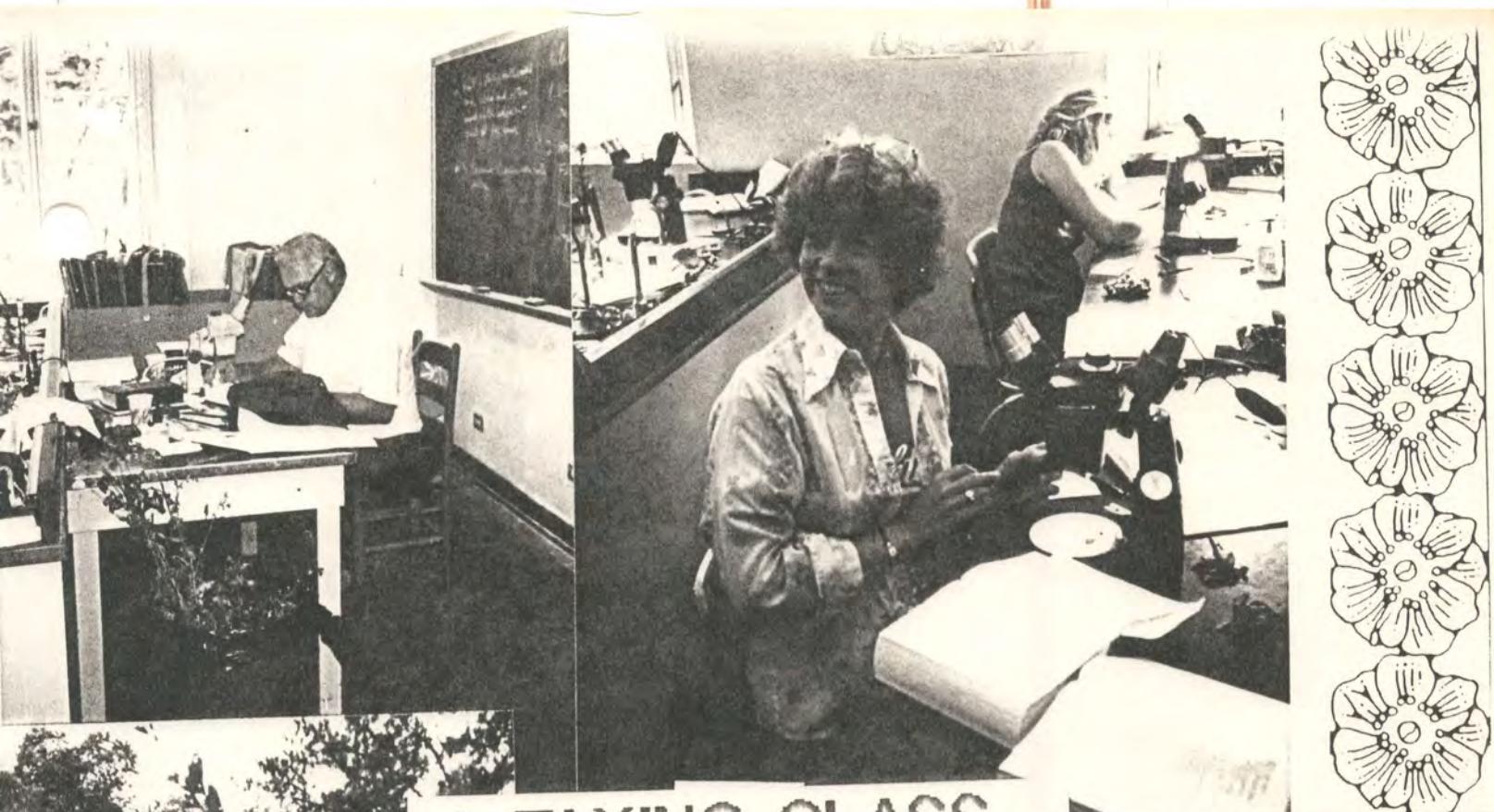
Ruth, an administrator from Piedmont College, is a whiz at recognizing plants by common name--shh!--Spencer will hear you! Anne from Chesapeake Bay Area works hard in UVA greenhouse and knows lots of Latin.

Brian, a junior from Narz, Va (if you're going to live here, say it right!), gives the greatest tours of the heavens and when he's done, the bonfire has burnt down to embers, folks are stretched out on the new log and plank benches trying to keep straight which animal Zeus turned into and how to correctly pronounce AQUILLA, the Eagle. Billions and billions of stars--imagine if you will....

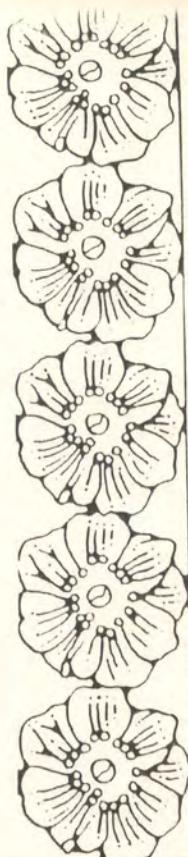
Athena, our goddess from Humboldt rattles off floral formulas at the drop of a family name with a laugh from the Sesame St. Count--calyx 4, corolla 4, anthers 4, gynoecium 1, Ah! Ah! Ah! Michael, a fellow W Va canoeist working on his Scrophs (Scrophulariaceae-Flase foxgloves) can sing a million show tunes then turn around and ask Dr. Tomb the most thought provoking questions aon definition of species or origin or Magnoliaceae.

Jenny, who has researched plants with her Mom for years really got into making some beautiful dry mount specimens. Late nights in the Plant Taxonomy room--being Plant Tax nerds were accompanied by Jenny's radio and 2 or more beautiful voices singing along-Wait! Spencer! Where are you going?! We need you in the lab to help us key out these plants! What? You have to listen to your pillow? When there's great music all around you here!?

Hilarie, the gullible but well-prepared teacher is still in awe of all these great researchers and seminars about Silene, juncos, Enalagma, Hawaiian fruit flies, caviar at the Walton Lecture, listening to Lise get on the road at 5:30 to work on mist nets.



A TAXING CLASS...



PLANT TAX GRAFITTI

Hay, hay, hay!!!

Getting a buzz off of the permanent ink pen I used to do me herbarium specimen cards.

Cracking a hard-boiled egg on Athena's head.

Riding around Giles Co. in the van with Spencer who drives off the road to try to run over chipmunks!
"Live by the road, die by the road!"

You can't let life pass you by, sometimes you just have to stop and key out the Roseaceae.

I'm wiggin' out!

DYC, JYBBS, SOB, CRS, SOL, YMCA

4 hour quizzes

Common names rarely are!

What's it gonna matter in a 100 years?

I'm going to listen to my pillow!

b.... load

what's that again?



Brassicaria smallii Herman
var. *athenaensis* Miles
Audubon Dorm, 1st room on left
7 July, 1991

THE ABC'S OF A MOLECULAR TECHNIQUES LAB (A.K.A. 'A Macrobiologist's Nightmare')

A is for agarose mised as a gel.
B is for buffer, commonly tris-HCl
C is for chloroform, an odorous organic.
D is for dilutions, derived in a panic!
E is for enzymes like proteinase.
F is for (ph)enol: Don't splash in your face!
G is for gloves to protect us from toxins.
H is for hot plate!, too close burns the skin.
I is for incubate at 37 degrees C.
J is for jerry-rig when equipment is not to be.
K is for Klenow fragments of DNA poly I.
L is for loading dye mixed with samples before run.
M is for microliters measured with a pipette.
N is for liquid nitrogen ground with matter dry or wet.
O is for oligonucleotide, a sequence of bases ten.
P is for plasmids that clone DNA over again.
Q is for questions of which there were plenty!
R is for radioactive labels, P 32, one of many.
S is for DNA sequencing, our ultimate quest.
T is for transformations. Bacteria, do your best!
U is for UV light, to detect bands on the gels.
V is for voltage to run samples in the wells.
W is for molecular weight which shows base separation.
X is for X-ray film kept dark, or it's overdone.
Y is for yeast, to make more than just wine.
Z is for ZM-111-4, a control sequence to amplify.

Autoclave, centrifuge, eppendorf, TE.
These are just some of the ghosts haunting me!

Kathy Hornberger
Mahinda Martinez
Rebecca Nokes

and of course, Mike & Dan!





-AP-Hollywood, Ca.
Today fans of the hit series
Casual Romance got an unpleasant
surprise as Casual Science revealed
its fall line up.

Casual Romance was not included
in the networks plans and a spokesman
for the group said they had no plans
to bring it back as a mid-season repli-
cation, reunion series, movie of the week,
late-night movie, or to ever reveal Sandy's
mystery-lover in any way.

Bad news for romance lovers but good
news for lovers of makeup comedy
and teen-proper culture. And who
understands youngsters better than the forever young
Hank Wilbur? Also coming for
this fall is the new hour-long
drama Roseanne, P.H.D. New
episodes of the old standby
I Dream of Tenure.

Among the other canceled shows
were First Author- a look into the
Backstage Politics of the NSF,
hosted by Tony Orlando and Dawn; also
Spence and Spence- The identical twins
that turned the world of Quantum Physics
upside down; and saddest of all to
this reporter, Lavonne & Shirley's
Sokal's Ronit.

This has been TV UPDATE by Lynwood
Sandy. Have a happy New Tv Season!



To Our New
Wireless
Power Remote
Power Pack
Set!
Coming Soon:
Dr. (a.k.a.)
Tori, Fresh Brown
(Coffee AND
Perfetti Pour)
Flick At The
Switch!

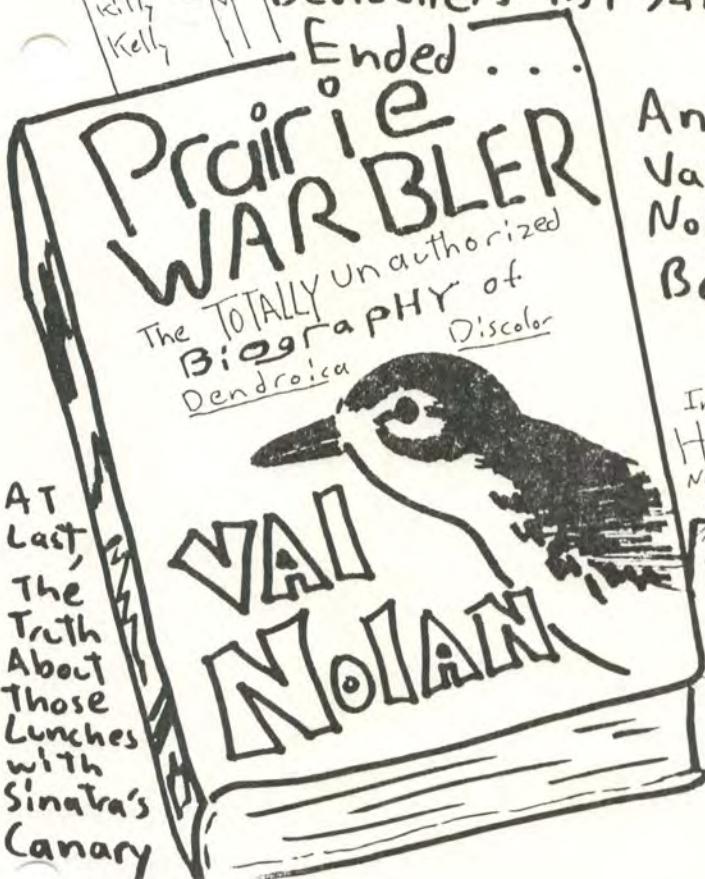


TV UPDATE
with
Lynwood SANDY

Casual
Romantic
Cancel



Today, Kitty Kelly's
reign at the Top of the
Bestsellers list Abruptly
Ended . . .

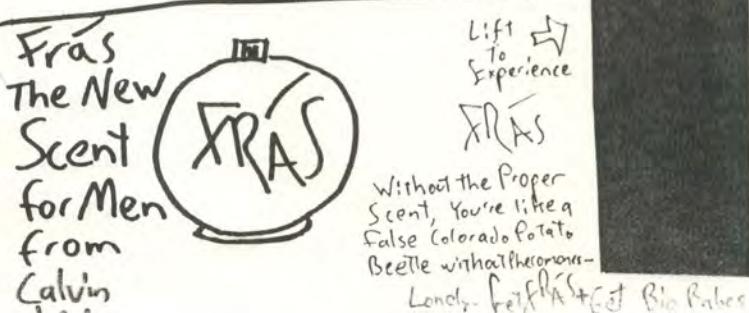


And
Val
Nolan's
Began

MORE MT. LAKE COLLECTIBLES...



From the Makers of Plastic Vomit and
Hand-Painted Latex Doggie Messin'

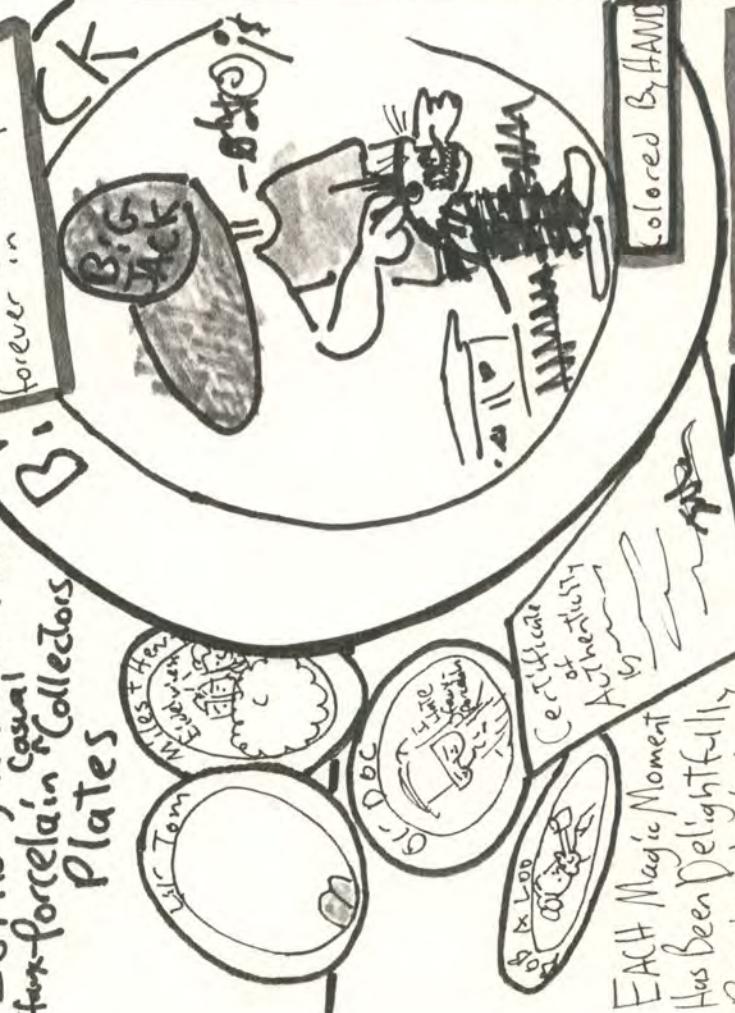


Coming Soon:
THE Dribble Centrifuge!
Send Priceless Data Spilling onto the floor!

WHEN you leave ~~MILAKE~~ Take

More Than Memories.
TAKE These Limited
Edition, Hand-Crafted
Porcelain Collectors
Plates

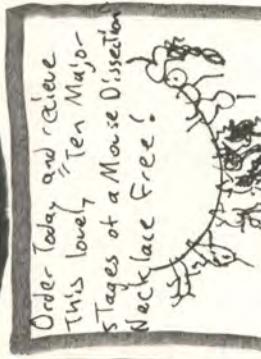
This Magic Moment
will live on
forever in
Fair-Porcelain



EACH Magic Moment
Has Been Delightfully
Rendered with a
SHARPIE™ on
A High Quality
STYROFOAM Plate.

Detail of
BIG JACK
from Gold-Dusted Jack

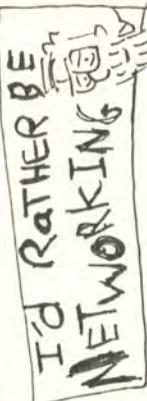
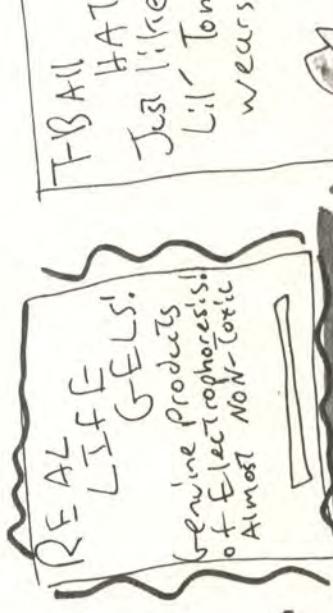
Painted
Lovingly rendered in
Gold-Dusted Jack



Colored By HAND



Order Today and receive
This lovely Ten Major
Stages of a Mouse Dissection
Necklace Free!



IT'S RATHER BE
NETWORKING



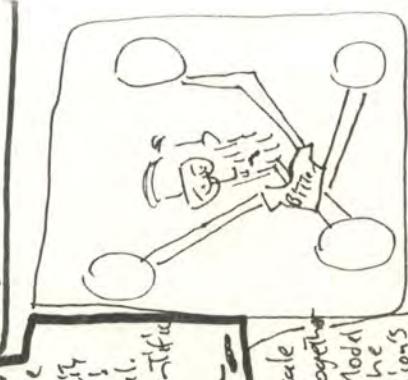
FAX MACHINE
OL' DOC
car window
squeeze IT
Hannibul!
Surprise
For
Friends



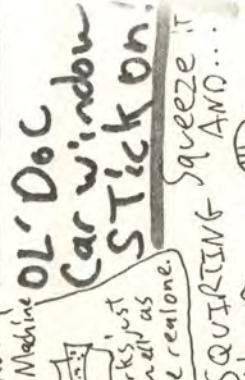
SQUEEZING AND
Hannibul!



THIS HAT.
Just like
Lil' Tom
wears



LEARN
EM
ALL!



ADULTS
ONLY



KIDS
SCALE



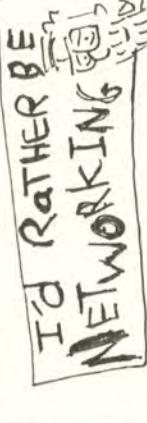
THIS GEL!
Genuine products
of Electrophones
Almost No Noise!



THIS GEL!
Genuine products
of Electrophones
Almost No Noise!



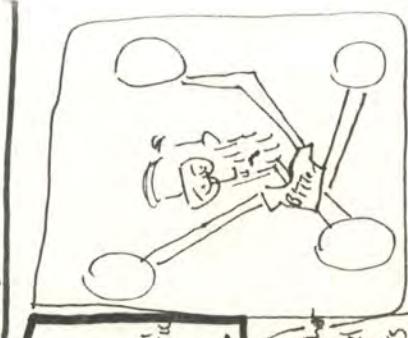
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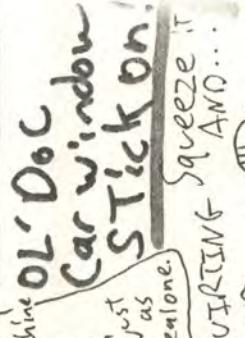
THIS GEL!
Genuine products
of Electrophones
Almost No Noise!



THIS GEL!
To Good Sayings.
Thread
Dose!
Hierville
Bummer
The
Beers
Keeves



THIS GEL!



THIS GEL!



THIS GEL!

MT. LAKE DIRECTORY- SUMMER 1991

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CHANG, Shu-mei	Dept. of Zoology Duke Univ Durham, NC 27706	Community Ecology Salamander research	GUSTAFSON, Mark	Dept. of Zoology Duke Univ. Durham, NC 27706	Salamander research
			HASSLER, Cynthia	2810 Wellesley Ct. Blacksburg, VA 24060	Sitter & Silene res.

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KASTENDIEK, Jon Sarah Swank	P.O. Box 343 Dayton, VA 22821	Seedling research	MORLANG, Jenny Brandon(9)	P.O. Box 9705 Hollins College, VA 24020	Plant Taxonomy
KETTERSON, Ellen Val Nolan	Dept. of Biology Indiana Univ. Bloomington, IN 47405	Junco research	MONK, Daniela	Dept. of Biology Indiana Univ. Bloomington, IN 47405	Bird research
KIMBER, Kevin	4905 E. Sunnyslope Rd. Edina, MN 55424	Junco research	MURRAY, Jim	Dept. of Biology Univ. of VA Charlottesville, VA 22901	Director Emeritus
LANDOLT, John	Dept of Biology Shepherd College Shepherdstown, WV 25443	Slime mold res.	NG, Melody	2124 Dorchet Lane Vienna, VA 22181	Salamander research

WELLS, Phyllis	245-08 Colonnade Dr. Charlottesville, VA 22901	Mammalogy		
WERTH, Charlie	Dept of Biol Sci Texas Tech Univ Lubbock, TX 79409	Fern research	ADDENDUM	
WEST, David Lindsay	Dept of Biology VPI & SU Blacksburg, VA 24060	ECOLOGICAL GENETICS	ST. AMOUR, Sheila	1013 B Rosehill Ave. Durham, NC 27705 Silene research
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WOLFF, Jerry	US Envir. Protection Agency Environ. Research Lab. 200 SW 35th Street Corvallis, OR 97333	Mammal research	NOKES, Rebecca	6041 N. 28th St. Arlington, VA 22207 Allozyme/DNA
ZIEGENFUS, Charles	Math & Comp Sci Dept James Madison Univ Harrisonburg, VA 22801	Junco research		

Oh rabbits, oh rabbits,
they're in some bad habits
of eating up Bernies plants

LINDSAY



Bernadette's
Garden



Dad's Garden



Dad's Solution

Illustrated by:
Capt. Roche
(Bernie's dad)