

*Mountain Lake
Biological
Station*

1992

ECHOES



MOUNTAIN LAKE BIOLOGICAL STATION

UNIVERSITY OF VIRGINIA

20 August 1992

Dear Mountain Lakers:

Well, the Year of the Salamander was a good one at the station. We saw five good courses and many exciting research projects completed. Lesser accomplishments included pretty good beards for some but utter failures for others, marbled T shirts with wristbands for most everyone, and the best volleyball and canoeing ever.

The new housing unit slowly arose from the mud. Walls are rising as I write today and we have high hope that the building will be done before the snow flies. Get your reservations in early for next year. Heat in every room. No more than two rooms sharing a bathroom. Grounded electrical outlets. There is still hope that a new water supply will be in service by next spring.

Next year I plan to have courses in mammalogy, vascular plant systematics, natural history of the Southern Appalachians, population biology, and the DNA and isozyme workshops. Nothing is definite yet. You will all be sent a bulletin later this fall.

We also hope to have expanded opportunities for undergraduate research assistants and support for independent researchers. Please request information by late winter.

As always I am interested in your criticism (and praise) about what we need to do or get to make life at MLBS even more productive.

Best wishes for the academic year. We hope to see many of you again next summer.


Sincerely,


Henry M. Wilbur
Director


Another rainy day...

I hope it's not raining at my site.
It hasn't rained there in 2 years.

Oh, it doesn't matter to us.

We have "*Rite in the Rain*"  paper!

We have "*Rite in the Rain*"  pens!!

We have "*Rite in the Rain*"  attitudes!!!



AS THE SUN RISES...

by Jensen

Up at 5 in the morning
Bats whizzing from Dining Hall to Laing
To Susan, I plead, "Where's the coffee?"
And grumble because the birds sang.

Randy stumbles from the bedroom,
Rubbing the stubble on his chin.
Sleepily we claw our way through the fog
To where Fran greets us with a big grin.

"We're going down the mountain today," she said
With an evil sparkle in her eye
And slowly our stomachs begin to churn
Knowing we're in for a ride.

So she trundles us down the mountain
In the hurling and rocking van
And we listen out the windows for Wood Thrushes
And smell the brakes of Deer Derby Fran.

Way out in West Virginia
We screech to a skidding stop
"Oak leaves chewed by caterpillars," cries Fran
And our hopes of "homeward bound" start to drop.

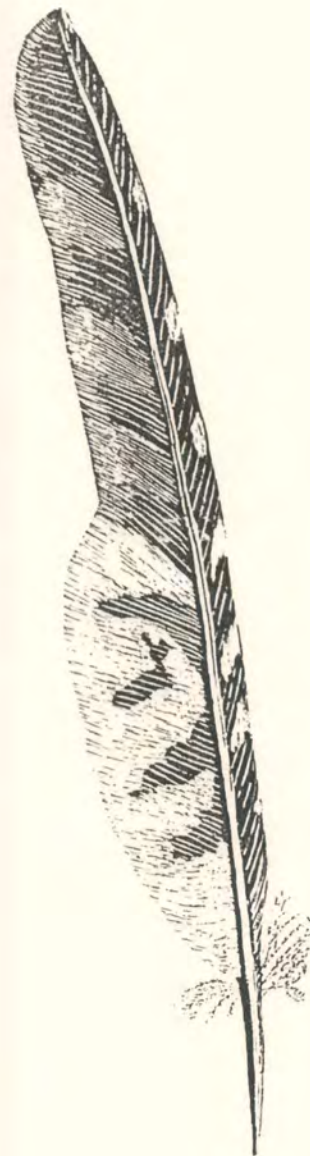
So we collected the riddled oak leaves
Listening to birds with their eerie call
And make the drastic discovery:
Tanagers are not declining at all.

Then Fran stops hiking so suddenly
That we all pile up in her tracks
"I want blood!" she cried ferociously
And we thanked goodness she hadn't an axe.

So we catch the birds in our mist nets
And bleed them in the field with fear,
Spin the slides on our handcrafted spinner
And then get to pack up the gear.

For the ride home we lean against windows
I with my hair in a knot
Susan is taking a power nap
Randy would eat if the birds could be shot.

Struggling back to our cabins
We heave a grateful sigh
9 AM is a long day for birdwatchers
Agree Randy and Susan and I.



MOLECULAR TECHNIQUES CLASS 'CURVE OF SUCCESS'

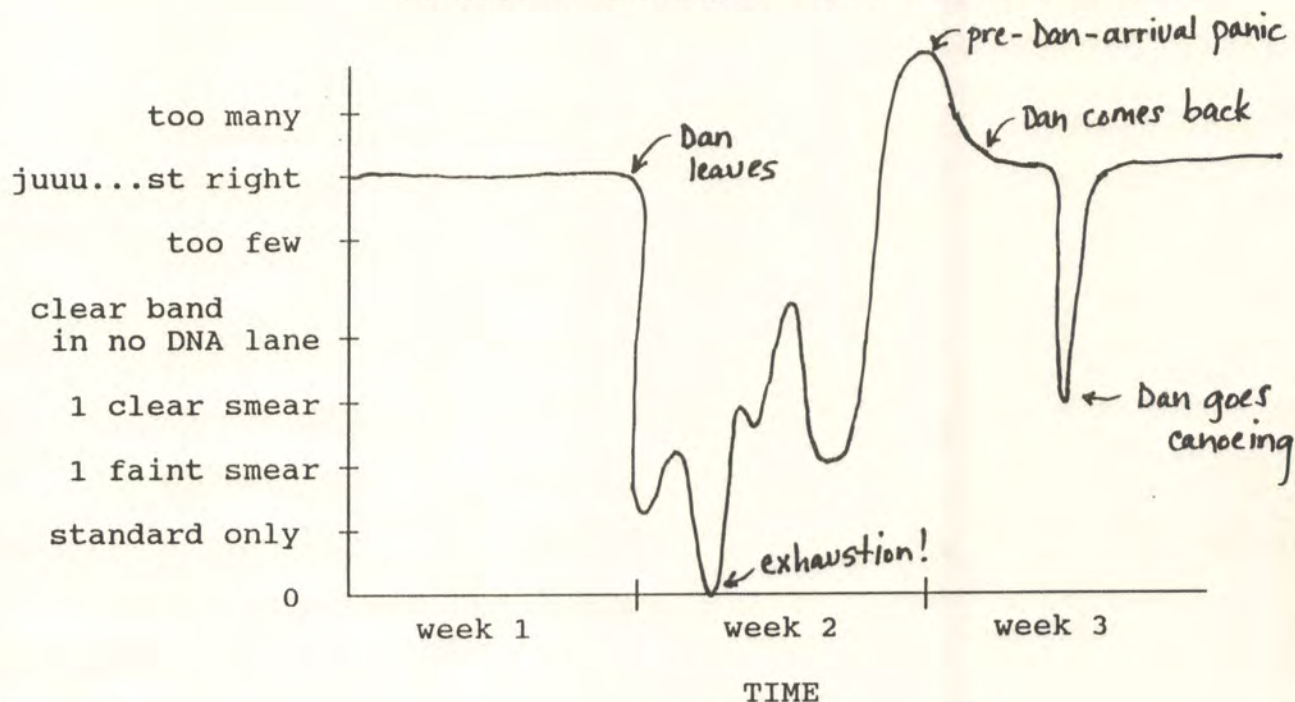


Figure 1.

As indicated in Figure 1, our class had many ups and downs in record time (or was it an infinity...), each turn of fortune highly correlated with the presence of Chief Dan. His favorite expression: "I think we can do 3 PCR runs today. Let me know how they come out." (For you molecular illiterates - PCR runs take about 8 hours. Yes, pity is gladly accepted.)

By the end of three weeks, we had also heard 3740 lines of poetry from Mike Hood, 5109 volunteers to stay late from Cindy, and 6.3×10^{32} stories from Caitlin. We had infinitely more variation in our conversations than in our bands. In fact, though we observed many tantalizing banding patterns, our final variation score was 0 (zippo, nix, null and void).

Nothing can compare to the amount we learned though in that second week while struggling with the mysteries of disappearing and reappearing bands. Mike Timpko went through more hypotheses than we could imagine, except one: the 'aliens from another planet theory'. By the process of elimination, this is the one we settled on.

FIRST TERM PICTURE DAY

Molecular Techniques



Caitlin Gabor, Mike Hood, Cindy Gill, Dan Burke,
Mike Timko

Ornithology



Fran James, Susan Trzuskowski, Randy Davis,
Jensen Montambault, Laura Somervill

Fern Research Project



Charlie Werth, Jeff Jump, Jenny Morlang

Behavioral Ecology



Bob Jaeger, Gary Hill, Amy Palen, Taft Durr, Debbie Fortune,
Lisa Walker, George Risher (in front)

Junco Research Project



Marcie Chambers, Samrrah Raouf, Ellen Ketterson,
as Titus, "Zig" Ziegenfus, Val Nolan, Lori Christensen

Slime Mold, Mammals & Maples



John Landolt, Steve Stephenson, Kathryn Gubista, Arpad Lazar,
Anne Watts, Miles Silman

Silene Research Project



Michele Dudash & Tom, Cynthia Hassler, Sheila St. Amour,
Emily Lyons, Pat Peroni, Santa Althizer,
Charlie Fenster, Peter Thrall, Sam Roberts, Steve Burckhalter

The Kids



L'il Tom Fenster, Sarah Burke, Lindsay Wilbur,
Casey Burke, Becky Stephenson, Helen Wilbur, Sydney Olsen,
Travis Olsen, Brandon Robertson

CASUAL Science

Plethodon
Cinereus



Casual Science written at 1:58 A.M.
Friday Aug, 7th





Silene
Crew

Nastee
There you have it
Vitamin "O": It is water
La Gauge
We are F-O-U-L
Take your half out of the middle
Mayels and Femayels
Water them Weeds
Smut shack
Takin' down the golf course blues

The Band:

Pete "the missing link" "WTFYA" Thrall

Steve "what did you say?" "Muffin' man" Burckhalter

Cal "Sweet...I hooked myself" Nelson

Andy "power nappin' , Mickey's big mouth drinkin' Jarosz

Emily "yes he's my orthodontist" "lil' wheels" Lyons

Sonia " get the lysol" "Where's George" Althizer

Janis "are you embarrassed to plunge?" Antonovics

Background Vocals (the Psilettes)

"Chris" mountain bikin', chuck skinnin'" Richards

"Jane -X"

Sheila " I love jacks" St. Amour

SOMETHING

Performed by,
The Mountain Lake Kids
on

Thursday, July 2, 1992
at 8:00 pm.

Performers

Wulbari (God) - Casey Burke
Ananse (Spider) - Travis Olson
Old Woman - Helen Wilbur
Chief - Becky Stephenson

Animals

Butterfly - Lindsay Wilbur
Elephant - Sydney Olson
Cat - Sarah Burke
Dog - Brandon Robertson
Kiwi - Becky Stephenson
Parrot - Helen Wilbur

Kids

Becky Stephenson
Brandon Robertson
Sarah Burke
Sydney Olson
Lindsay Wilbur

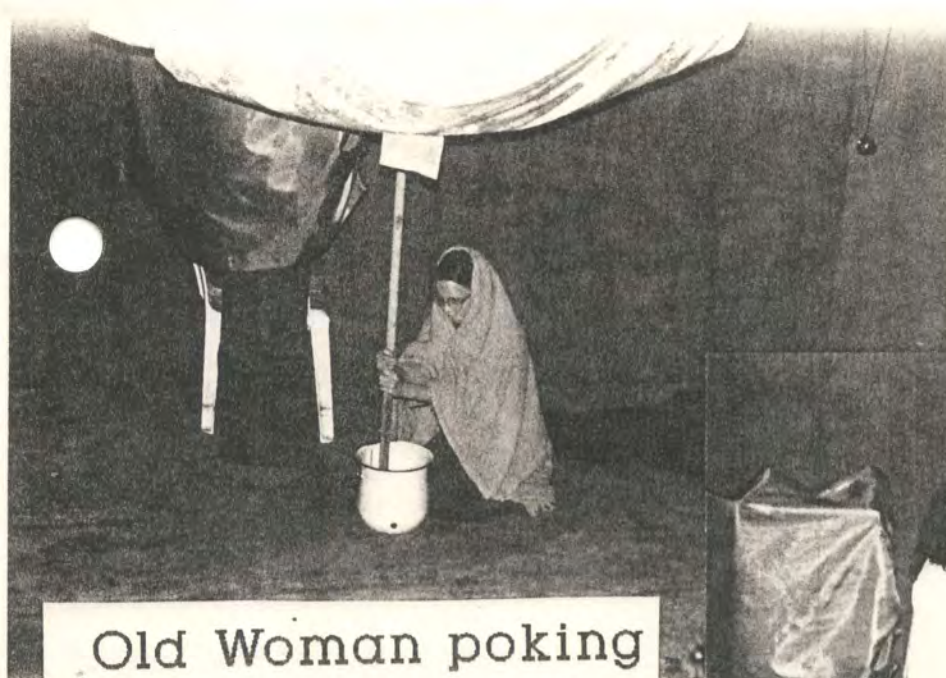


Birds

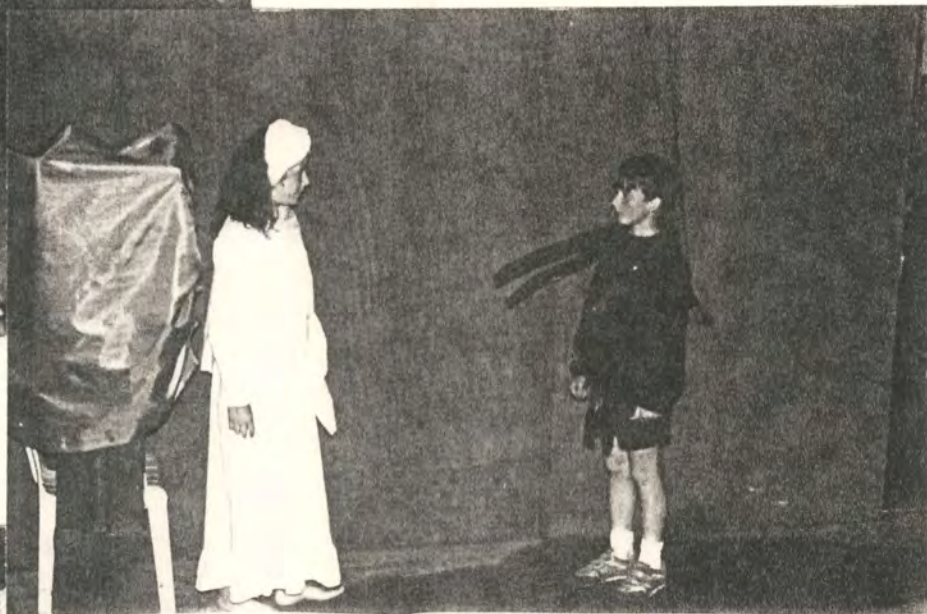
Becky Stephenson
Helen Wilbur
Brandon Robertson
Sarah Burke
Sydney Olson
Lindsay Wilbur

Narrator - Becky Wilbur





Old Woman poking
Sky god



God and Ananse, the spider



Village children
eating dinner



Sky god and court of animals

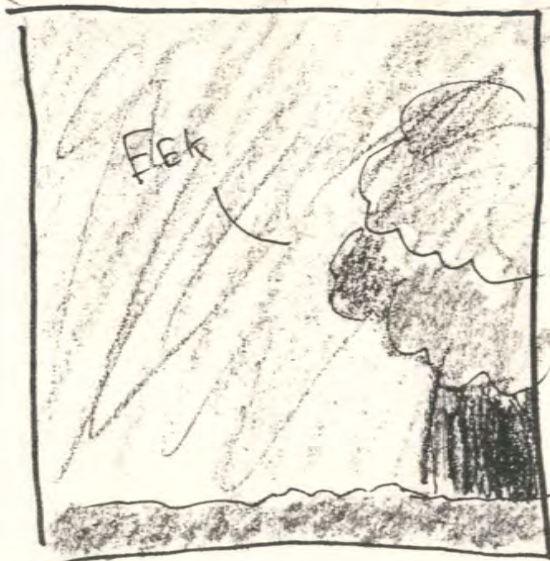
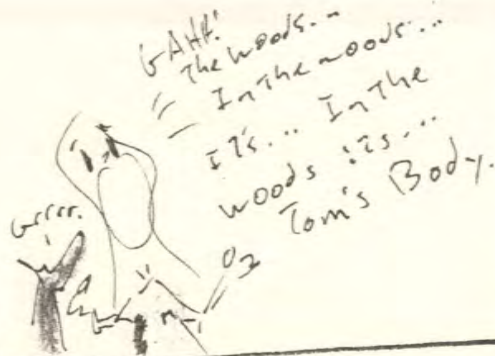
CASUAL PEAKS: ZYME AND PUNISHMET

...h, so Tom was dead again.
...really my business, except
...crime was and is my business.
...I'm special Agent Sam.
...placement for Agent Roche.
...Tom's death is almost an
...every occurrence. I was more
...interested in who was writing
...affair" on the PetriDishes.
...then I heard the rumor:
...saying death Tom had hidden his
...RET DIARY somewhere on the sta-
... (Not in the library, the
...int drawer, behind a shelf,
...book, or behind the old issues
...science.) And the person who
...the diary, gets to inherit
...a fortune. (or at least a
...al Peaks T-Shirt.)
...o, I was on the Case.

this is how it started:

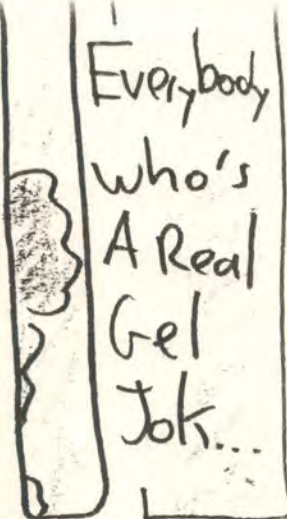
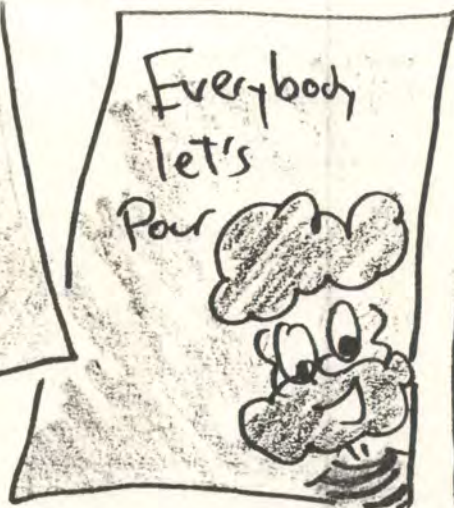


CATHERINE came running out of the woods. She was Hysterical. I knew she'd never make it as a special Agent.



After 2 weeks on the force, you'd think you'd get used to Death. The Truth is, You Never Do. Especially not when it's Grishy. This was Grishy - Tom Had Been Flagged to Death.





C'mon And Do the Gel House Rock!

Well, Jenny, Morlang
turned to Joe Jaworski,
'Said that's the
Cutest Genome
I ever did
see.

Jaworski Turned, He said Nix, Nix
Just wait 'til I
ADD Some Tris-

Those Molecules had
All gone Home,
vs Real Scientists were All Alone
Jeff Jump was Reuv'ing up the Power Pack
The WHOLE Rhythm Section
got a Purple Band-
Let's Grind, Ev'body let's Grin
Ev'body who's a Real Gel Tok
C'mon and Do the Gel
House ROCK

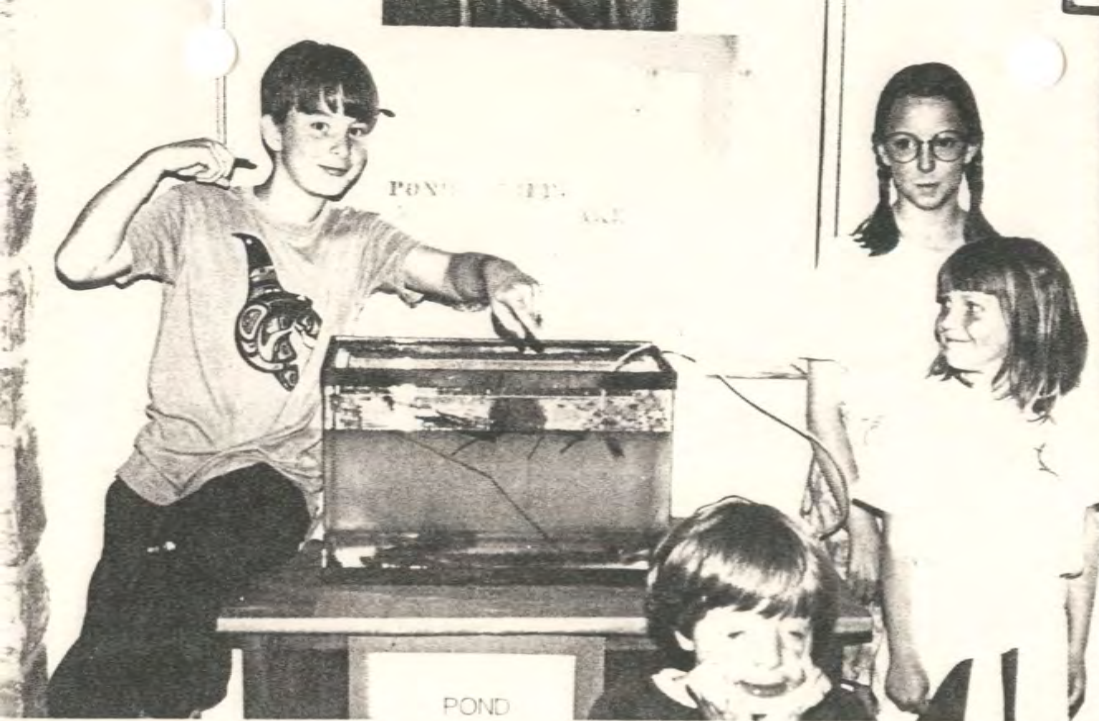


Coming Up - More Hits
From the King of Gel Tok-
Including:
- Grind me Tender -
- Hunka Burning Blototin -
- The Welcome Back Kotier Theme
- Don't Bias my
Blue Suede Data -



GREAT FACES!





IN OUR LEISURE...







ROW ROW OOPS! YOUR BOAT



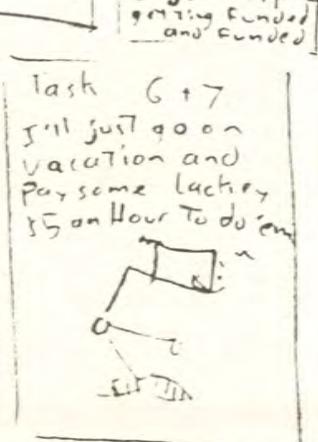
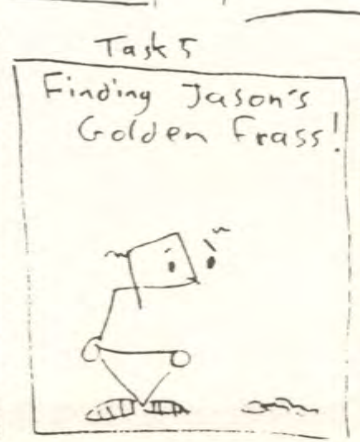
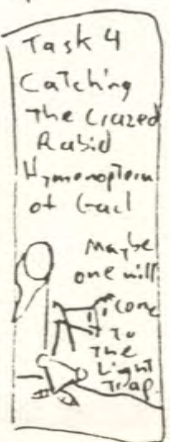
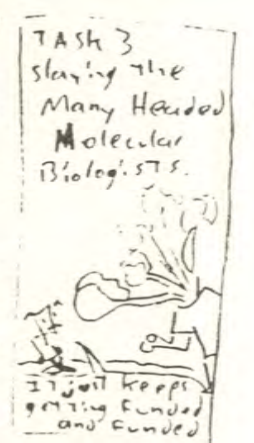
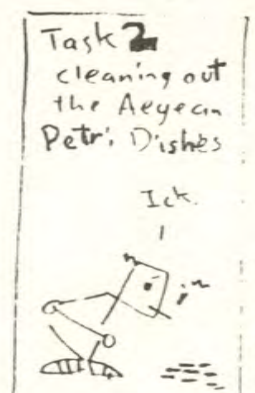
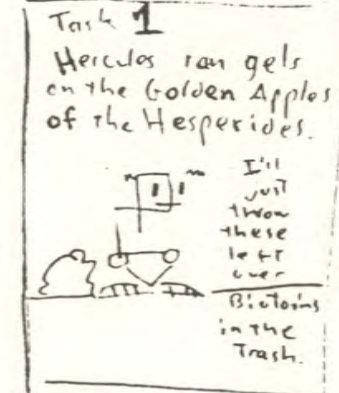


Play
ball!

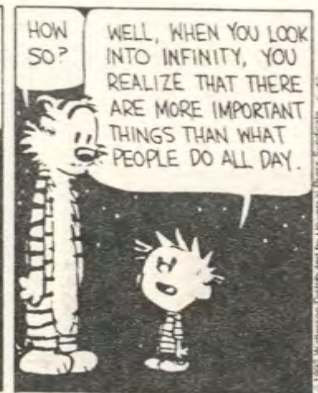
calvin
hobbes
by WILSON 1992



Casual Mythology — THE Seven CASUAL Tasks of the Mighty Hercules.

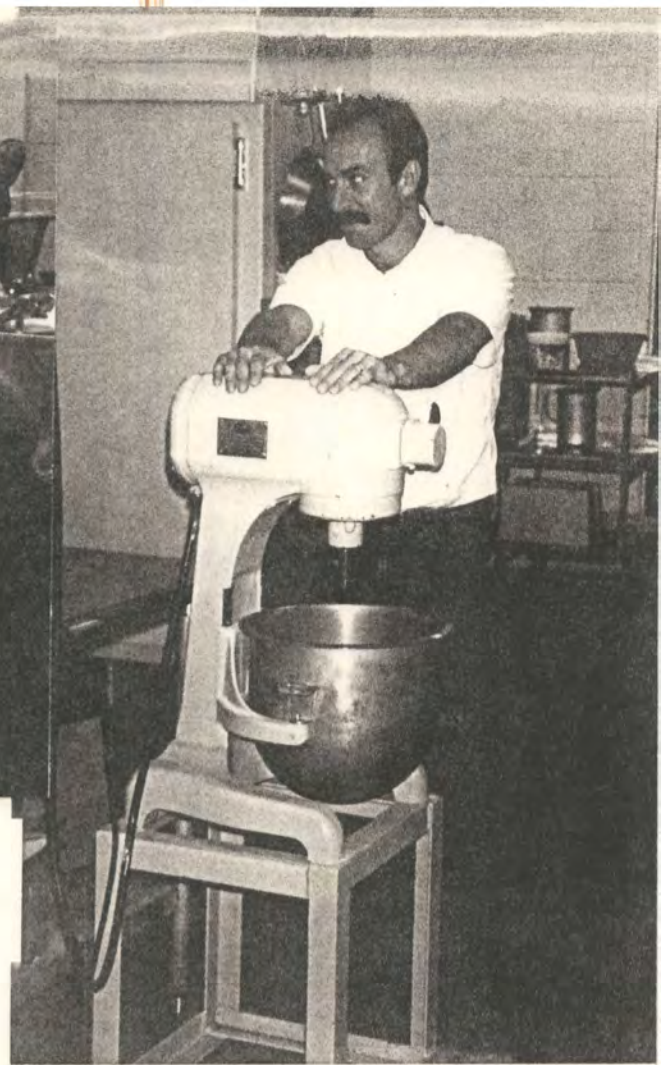


CALVIN & HOBBS





DINING HALL FAVORITES



Steve



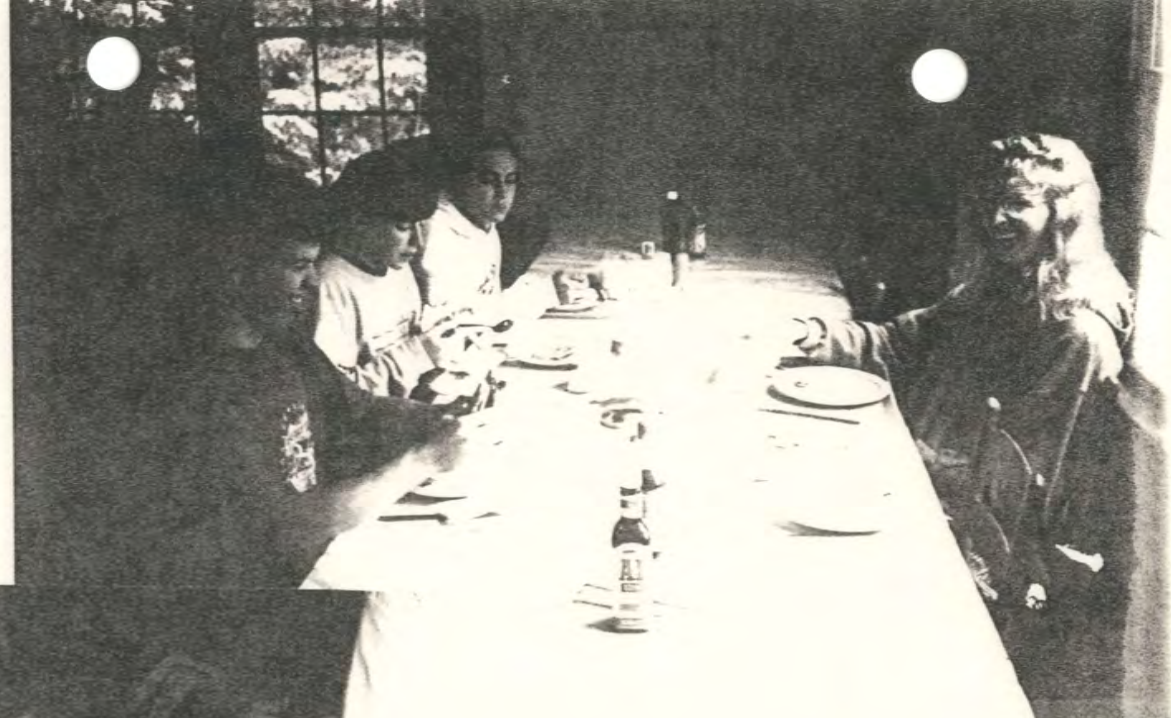
Peggy & Fanny



Libby & Sally



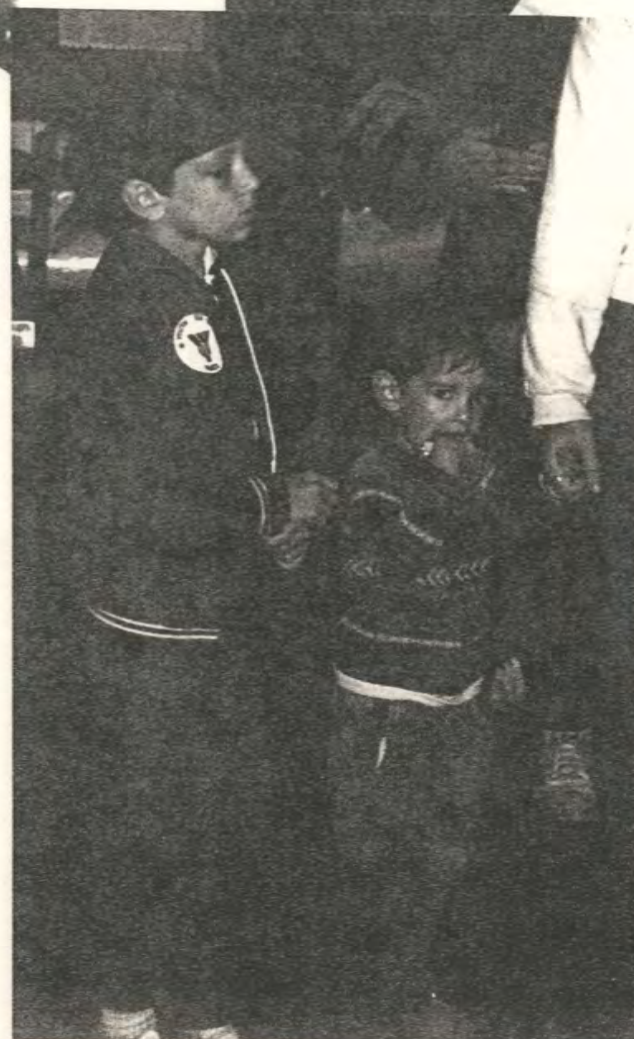
F
O
L
K
S



AND FUN!!!



F
O
O
D,

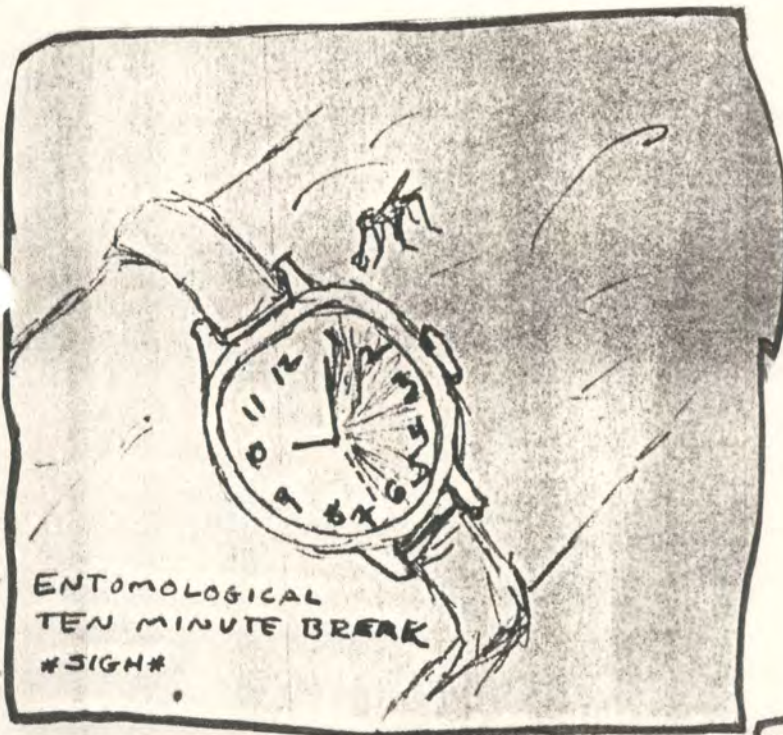


ENTOMOLOGY REVEALED

With one hundred families to get
We armed ourselves with a net
We tried to stay dry
But over water bugs fly
So finally we dove in and got wet!

It seemed everyday there was a test,
We never did get any rest.
(The bugs they just died)
But nobody dared protest.

When on a trip to a field
Our classmates' history was revealed.
About being tied to a tree
And going for a spree
Absolutely nothing was concealed.





BUGS, BUGS and MORE...





Famous quotes by

George Byers...

WOW! W-h-a-t a m e s s!



Entomologists have more fun than people!



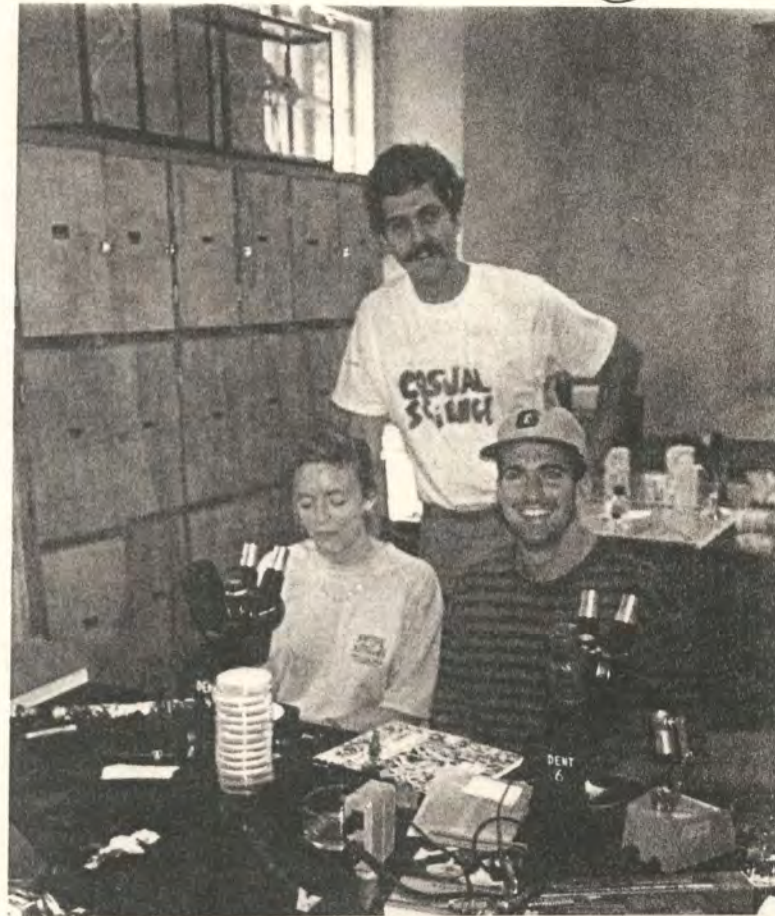
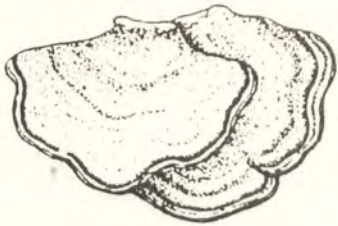
ENTOMOLOGY CLASS: Amy Palen, Jensen Montambault, Naoko Asami
George Byers, Eddie Thomas, Randy Davis, Brian Weaver
Rob Dusenbury, Christy Nalena, Meindert Bloemers



THE FUNGI

Deserving a kingdom of their own —

"at the very least!"
RV



The Mycology class, under the direction of Rytas Vilgalys, was both interesting and adventurous. The two students - Mike Hood and Deborah White - spent five weeks observing fungi in their varied habitats and performing experiments.

The majority of the time was spent foraging for fungi in the forest, gathering specimens for the required collection. This took the class on numerous field trips. Most memorable field trip: Kelly Flats, where we spent a minimum of 90 minutes "bushwhacking", trying to re-locate the trail. We were never officially "lost", of course; we just couldn't seem to find the trail. When we finally did locate the trail, we promised ourselves that next time we would remember to bring a compass.

Identifying the fungi proved to be quite a challenge. Frustrated and confused, we often incorrectly lumped all fungi in one family--Tricholomataceae. Our professor, persevering in his quest to teach us fungal taxonomy, devised a game. Students were pitted against each other in a fierce competition, where each question was worth a given number of points, and "he with the most points at the end wins the game."

The most popular lecture was, of course, the beer lecture. This particular lecture even attracted several outsiders to our classroom. Students applied this newly-acquired knowledge to a special lab experiment: beer-making. Two types of beer were made, and station residents were given the opportunity of evaluating the results of this experiment.

In all, the Mycology class proved to be a great success. By the end of the five weeks, students had the taxonomy straight, the trail system was figured out, and the beer was drank.



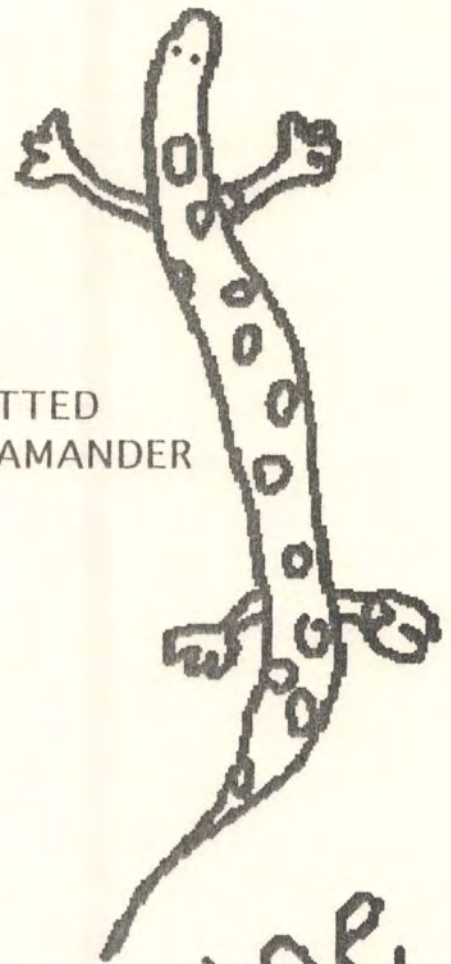


Party time!





FISH



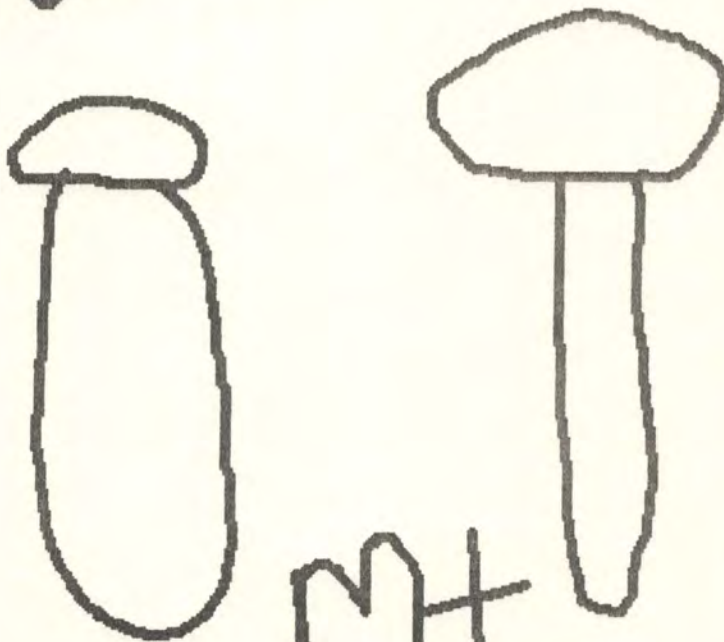
SPOTTED
SALAMANDER



MOUSE

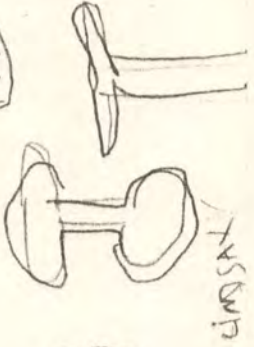
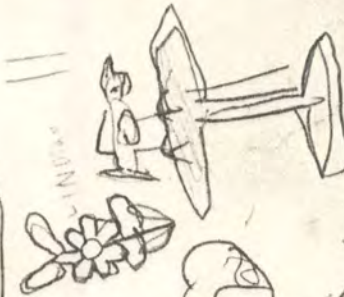
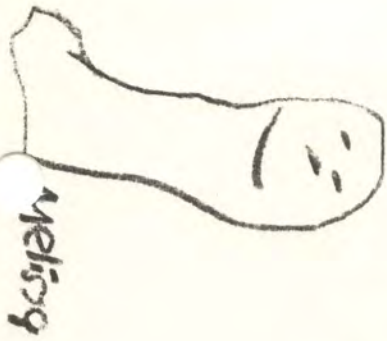
These are

some
things
from



MUSHROOMS

Mt
GABRIEL
Lake



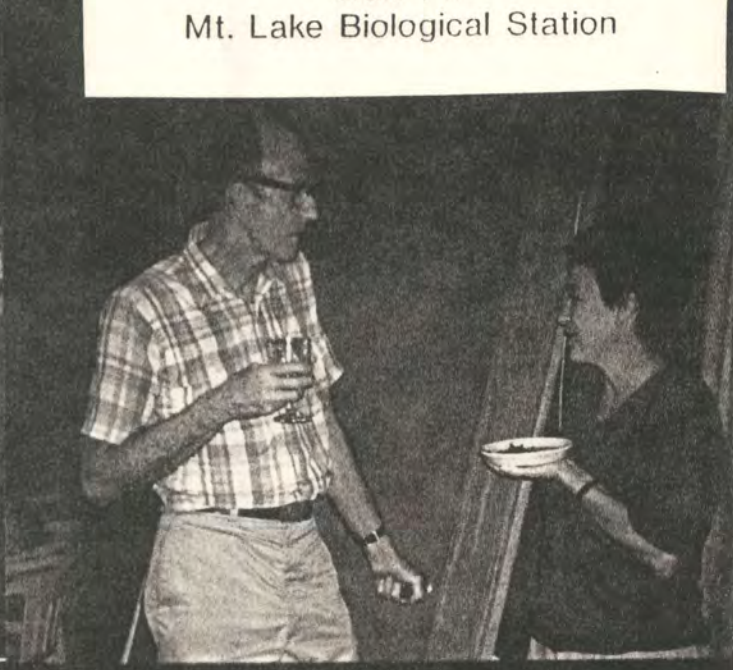
The Development and Genetics of Mimicry in Butterflies



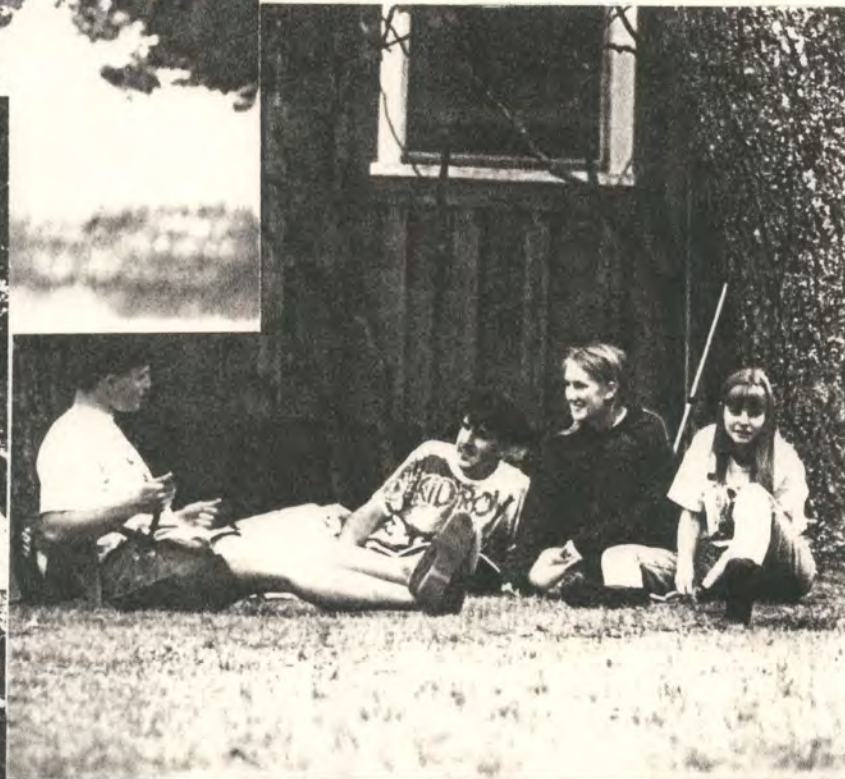
H. Frederik Nijhout
Duke University

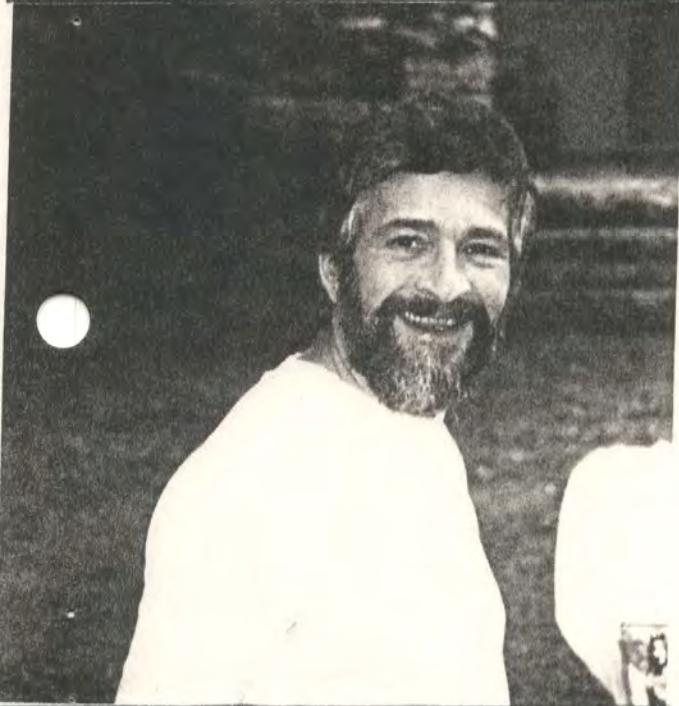
Walton Lecture
July 30, 1992
8:30 PM

Mt. Lake Biological Station



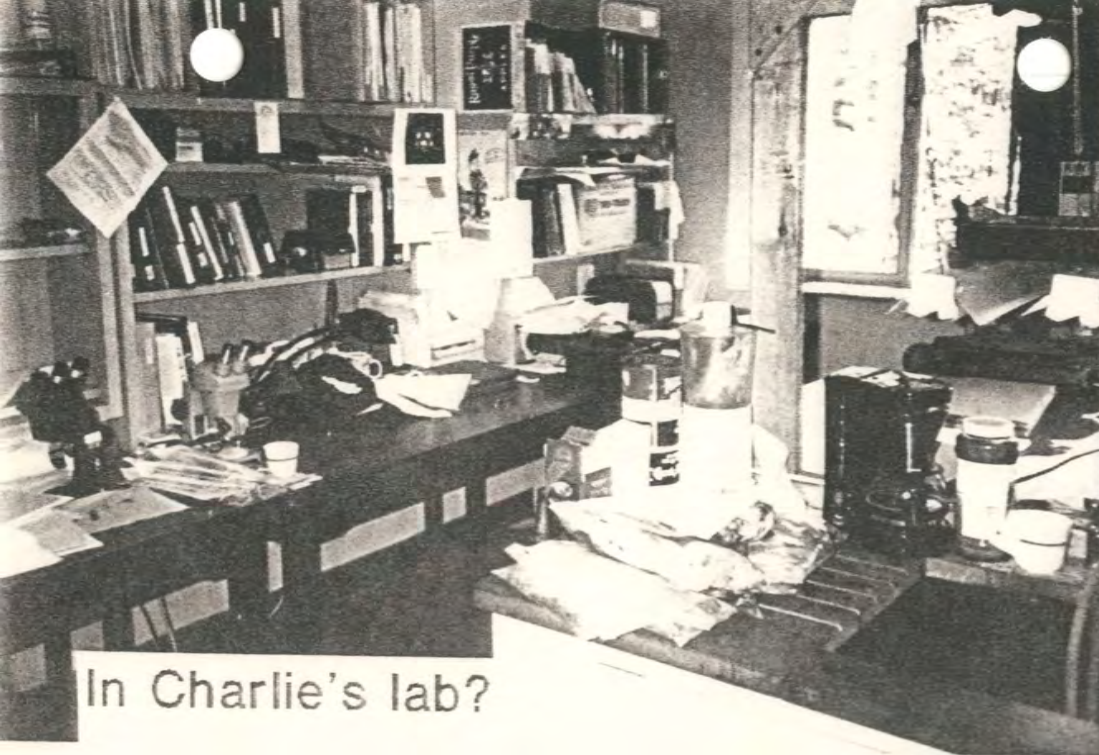
Lawn Shots



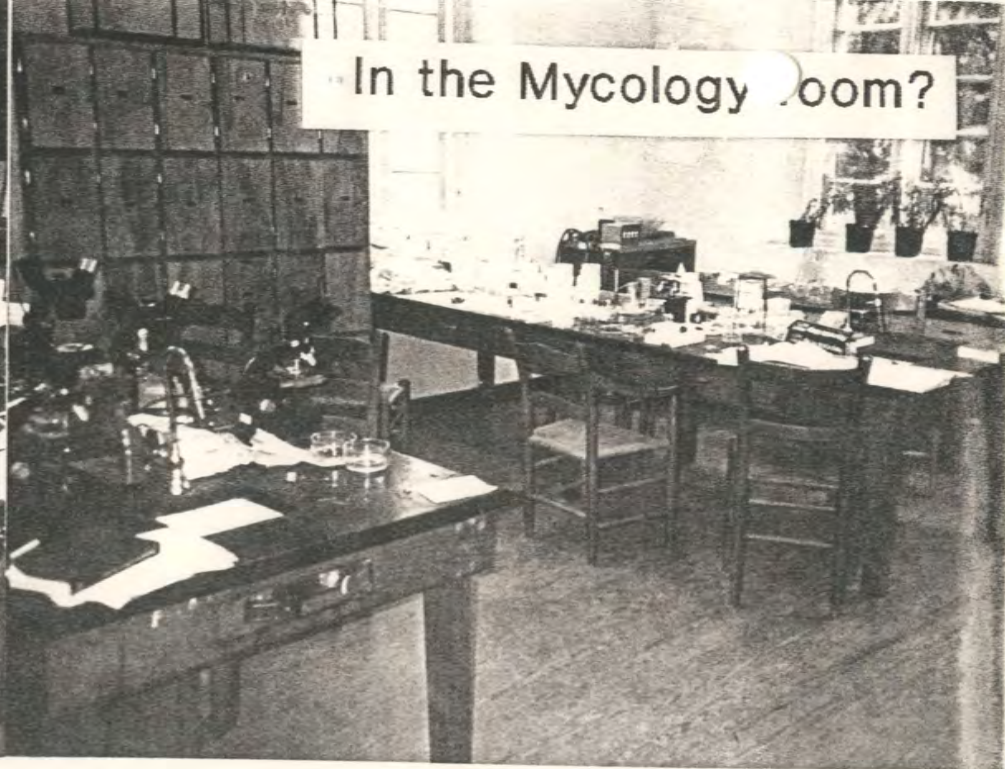


Watch
the
birdie...



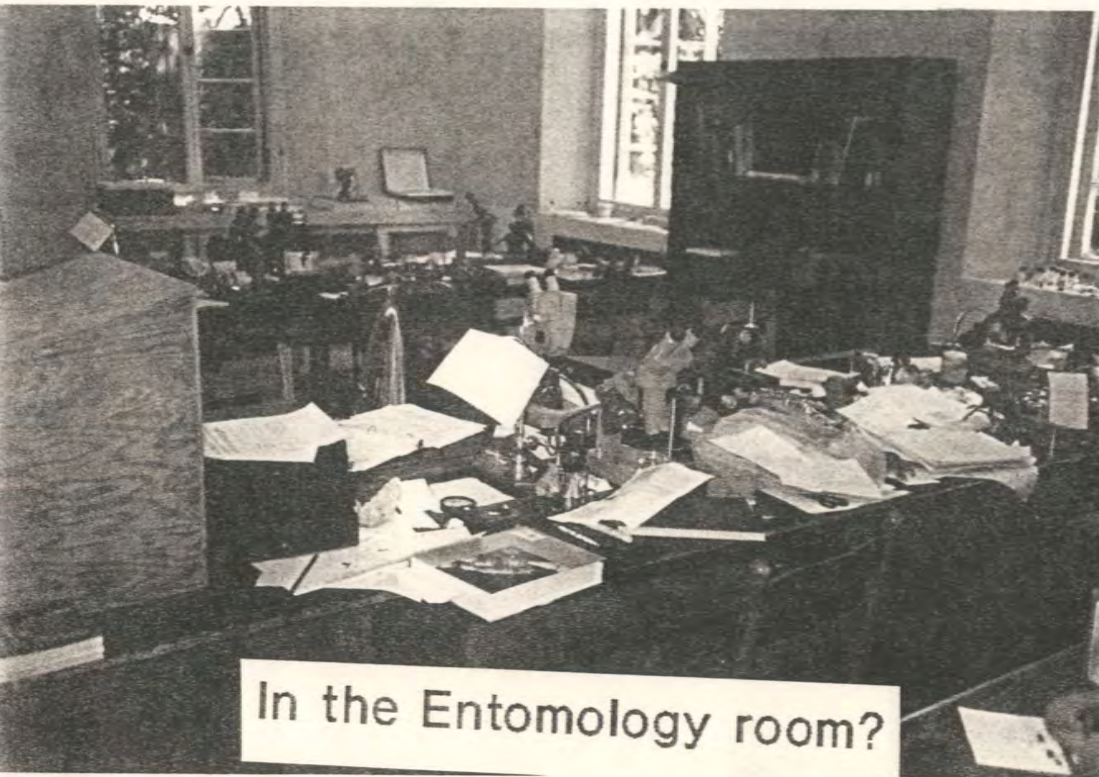


In Charlie's lab?

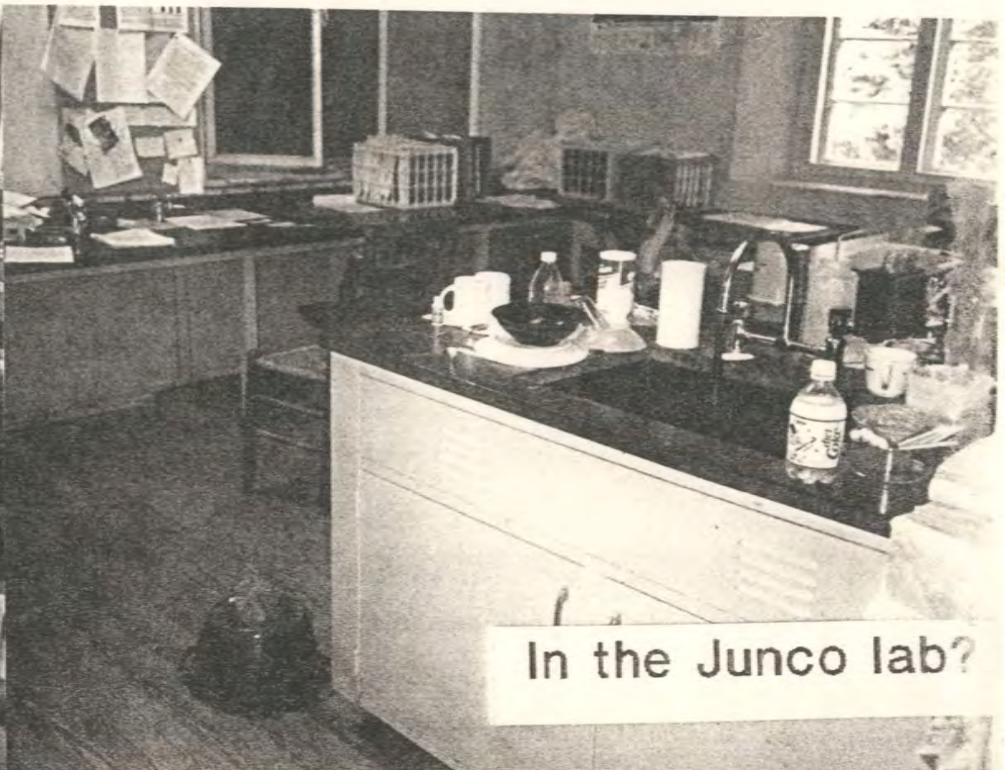


In the Mycology room?

WHERE'S ARPAD?



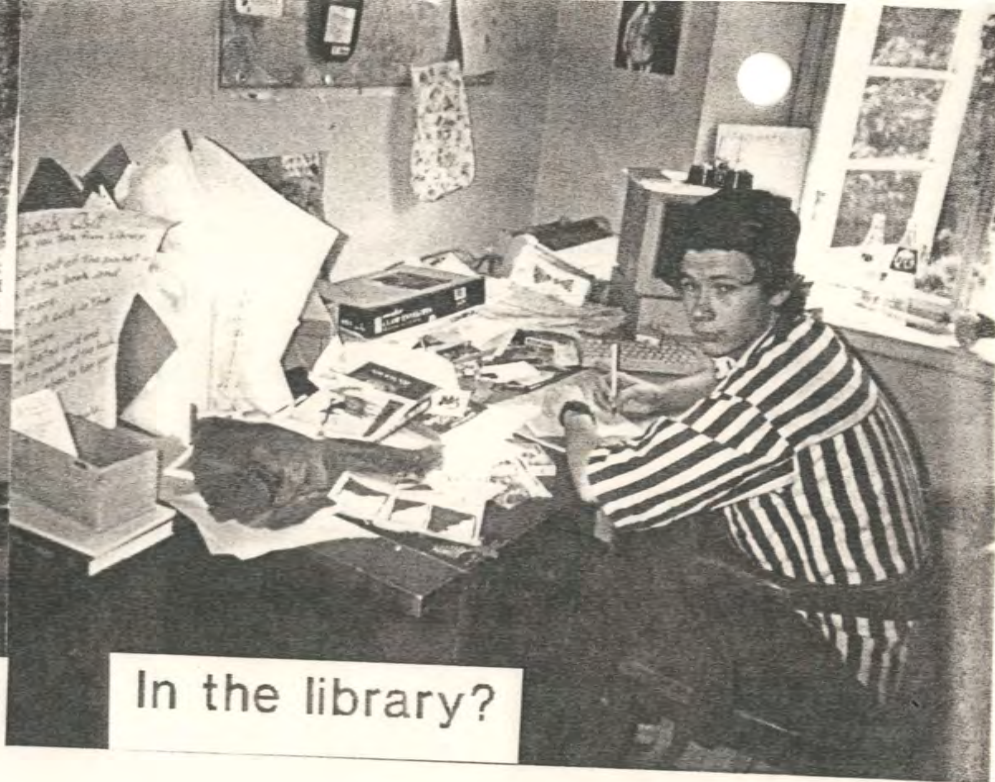
In the Entomology room?



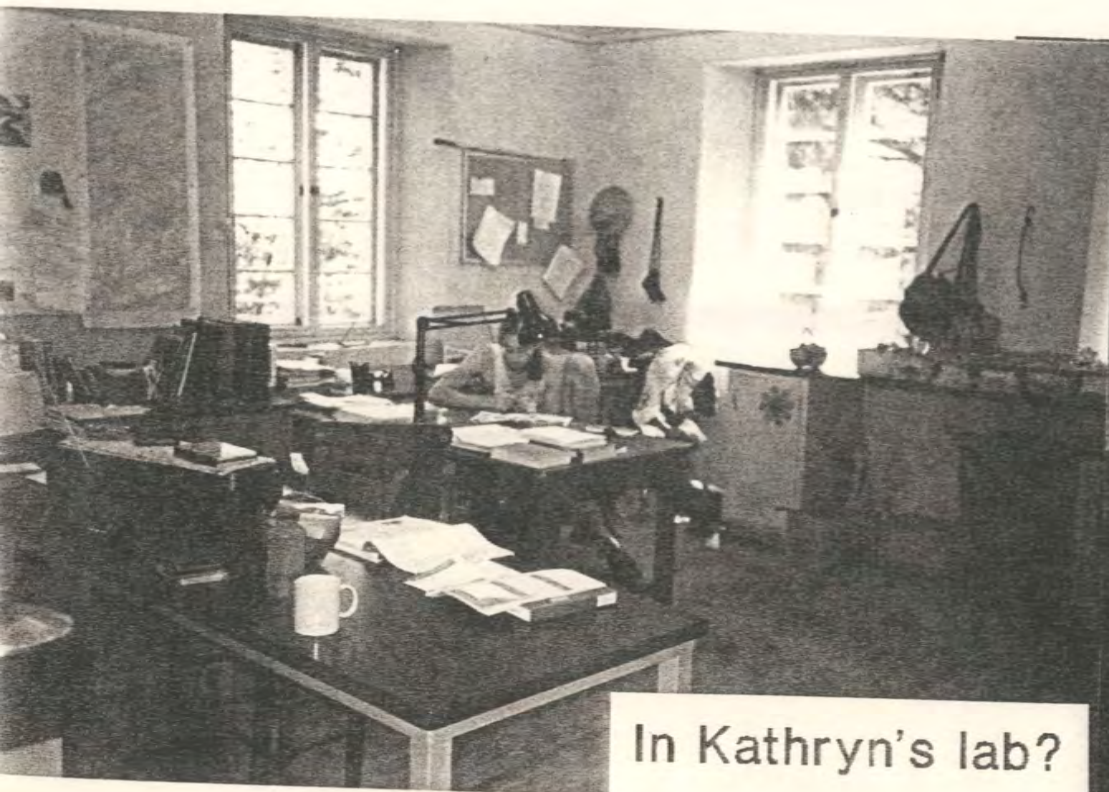
In the Junco lab?



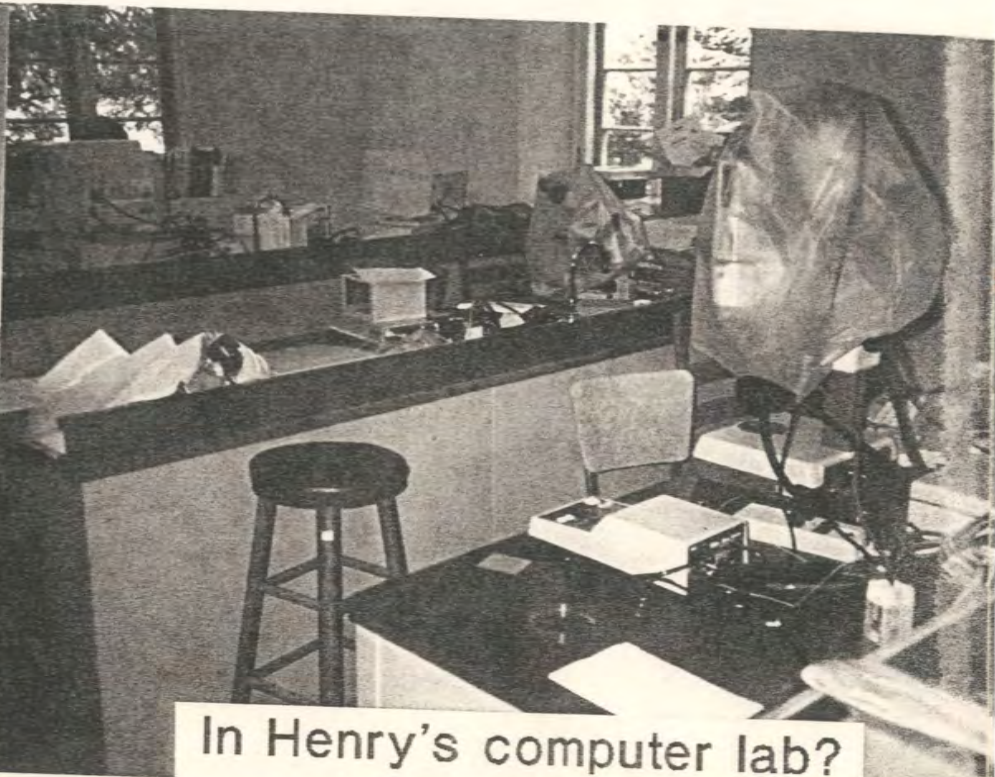
In the salamander room?



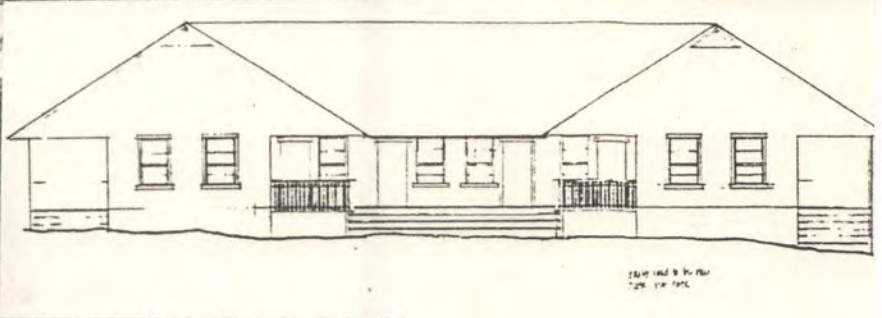
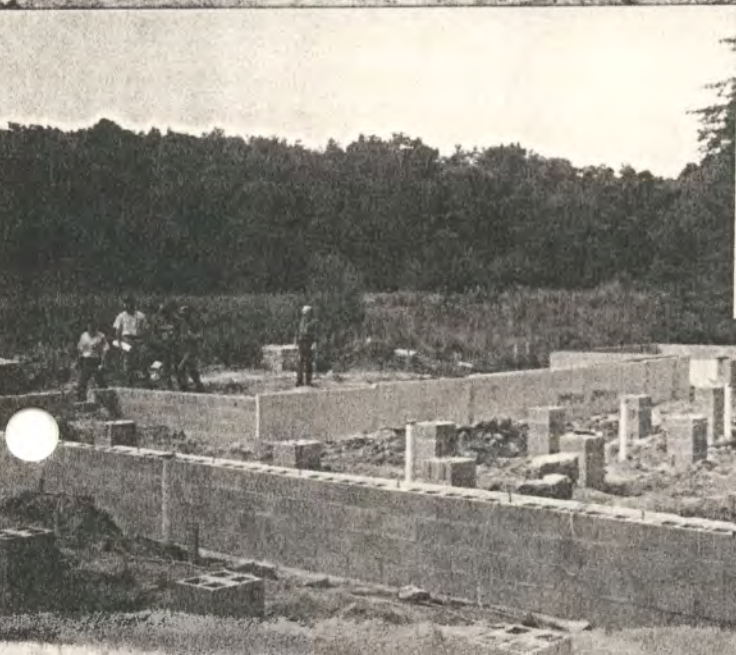
In the library?



In Kathryn's lab?



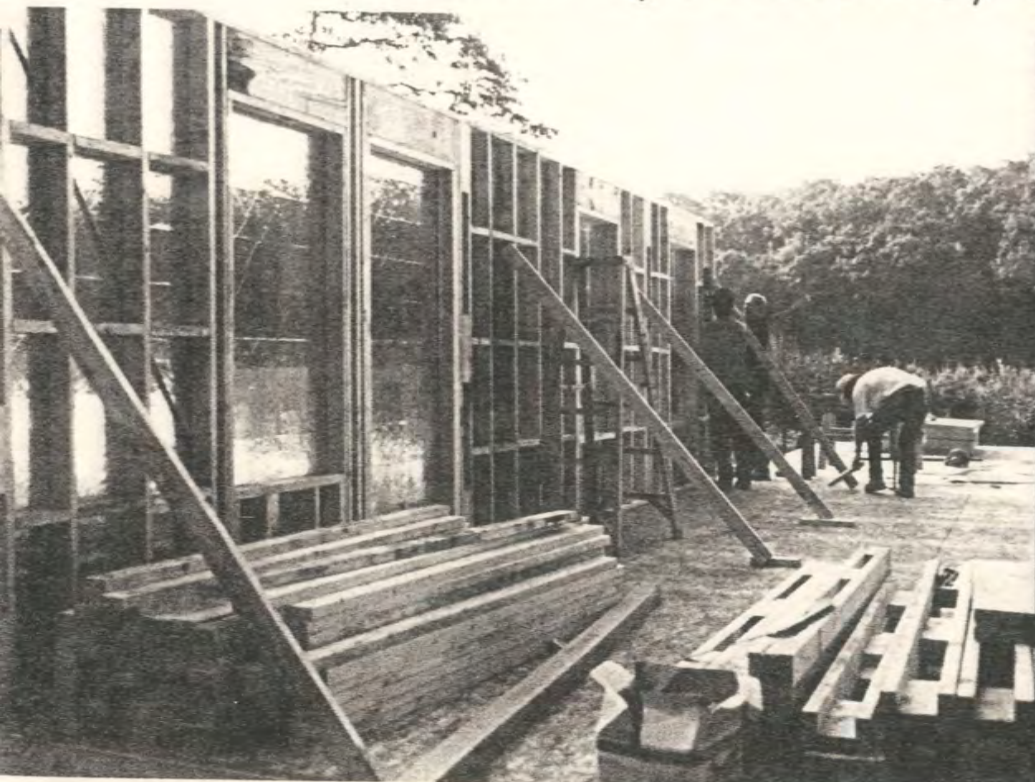
In Henry's computer lab?



Summer
Construction



FINALLY, FLOORS, WALLS & THE ROOF!

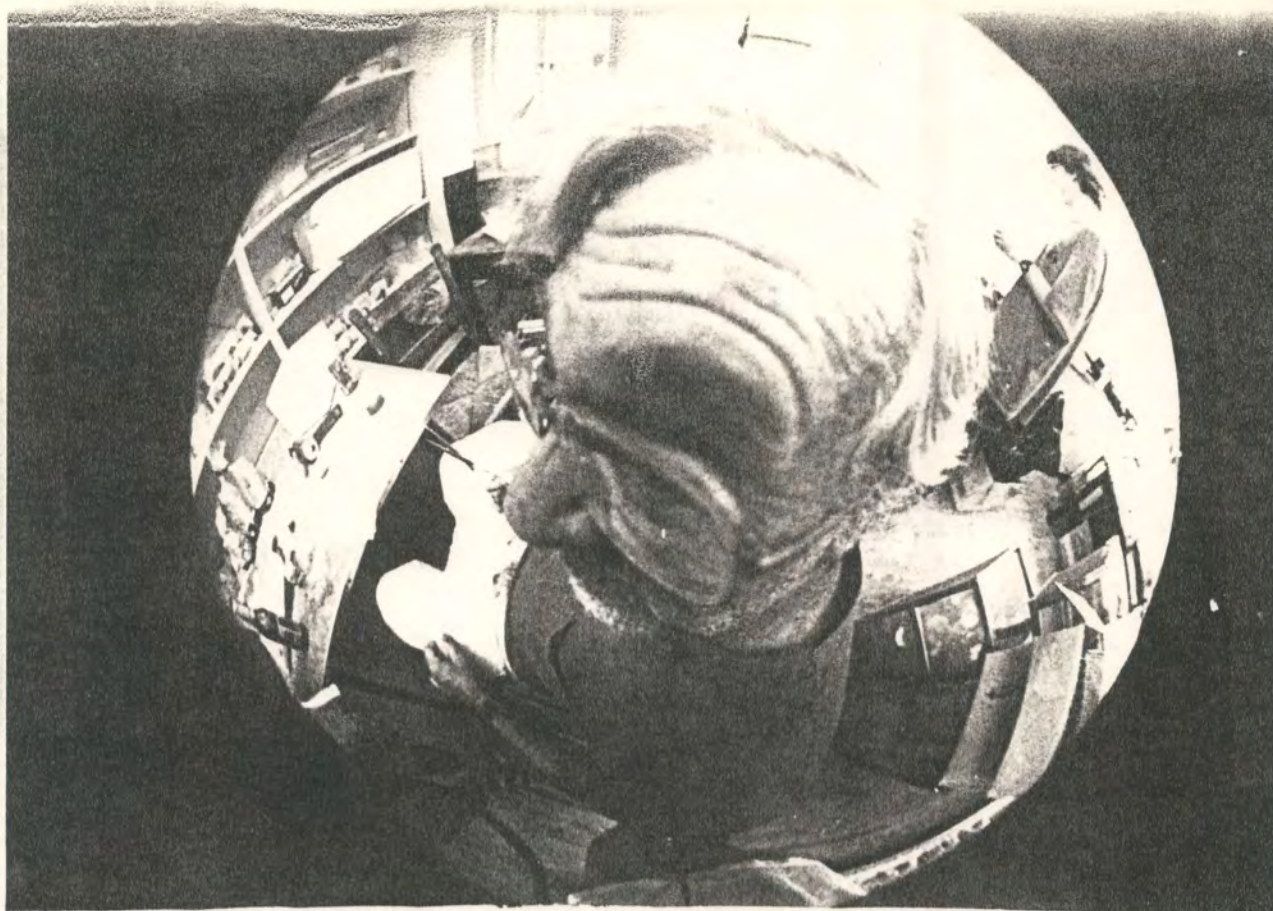


MT. LAKE DIRECTORY 1992

✓ ALFORD, Ross Lynn	Dept. of Biol Sci. Florida State Univ. Tallahassee, FL 32306 (904) 644-3700	Research	CLARDY, Rebecca	6664 Coldstream Drive Mt. Airy, MD 21771 (301) 865-5934	Salamander res.
ALTIZER, Sonia	405 Meeker Rd. Vestal, NY 13850 (607) 748-7718	Silene research	CHRISTENSEN, Lori	6363 S. Range Rd. LaPorte, IN 46350 (812) 855-1096	Junco research
ANGLEBERGER, Wayne Mary Ann Tom	Rt. 1, Box 152 Mt. Solon, VA 24136 (703) 885-5802	Business mgr. Secretary Librarian	CLARK, Jim	School of Biol. Sci. Univ. of Kentucky Lexington, KY 40506 (606) 275-188	Slime mold res.
ASAMI, Naoko	1 -25-18-201 Fujimidai Kunitatchi Tokyo, JAPAN 0425-72-9032 JAPAN	Entomology class	DAVIS, Randy	41 S. Valasia Rd. Poquoson, VA 23662 (804) 868-8393	Ornithology class Entomology class
✓ BAND, Retta	Zool. Dept. Mich. State Univ East Lansing, MI48824	Fruit fly res.	DUDASH, Michele Charlie Fenster Tom	Dept. of Botany Univ. of Maryland College Park, MD 20742 (301) 405-1642	Fire pink res.
BAYLOR, Fannie	5 Depot Christiansburg, VA 24073 (703) 382-4147	Cook	DUSENBURY, Robert	101 A Fontaine Ave. Charlottesville, VA 22904	Entomology class
BLOEMERS, Meindert	110 Maywood Lane Charlottesville, Va 22901	Entomology class	EHLERS, Alice	Ohio Wesleyan Univ. H-W Box #3072 Delaware, OH 43015	Salamander res.
BROWN, Kevin	RR1, Box 6678 Front Royal, VA 22630 (703) 635-1773	Salamander res.	FAUTH, John	Dept. of Biology Denison Univ. Granville, OH 43023 (614) 587-6788	Salamander res.
BURCKHALTER, Steve	4814 Roby Drive Archdale, NC 27263 (919) 431-8507	Silene research	FENSTER, Charles Michele Dudash Tom	Dept. of Botany Univ. of Maryland College Park, MD 20742 (301) 405-1640	Fire pink res.
✓ BURKE, Dan Casey Sarah	Dept. of Biology Univ. of Va. Charlottesville, VA 22901 (804) 982-5482	MOLECULAR TECH	FOLKE, Suzanne	Biology Dept. Indiana Univ. Bloomington, IN 47405 (812) 855-3282	Silene research
✓ BYERS, George	Snow Entom. Museum Univ. of Kansas Lawrence, KS 66045	ENTOMOLOGY	FORTUNE, Deborah	109 Olney Ave. Bluefield, VA 24605 (703) 322-4301	Beh. Ecol class Independ. res.
CHAMBERS, Marcie	286 Breakers Lane Breakwater Key Stratford, CT 06497 (203) 375-9135	Junco research	FREED, Jana	218 W. Fountain Ave. Delaware, OH 43015 (614) 369-4306	Salamander res.

GABOR, Caitlin	Univ. of SW Louisiana Dept of Bio Box 42451 Lafayette, LA 70504 (318) 231-6748	Molecular Tech/ Independ. res.	KERR, Libby	Rt. 1, Box 278 Pembroke, VA 24136	Cook
GEORGE, Lisa Bill	144 Belknap St. Concord, MA 01742 (508) 371-1736	Alloz. Workshop	KETTERSON, Ellen Val Nolan	Dept. Biol. Indiana Univ. Bloomington, IN 47405 (812) 855-6837	Junco research
GILL, Cynthia	Biology Dept. Univ. of Va. Charlottesville, VA 22901 (804) 971-1120	Salamander res. Mol. Tech. class	LANDOLT, John	Dept. of Biology Shepherd College Shepherdstown, WV 25443 (304) 876-2135	Slime mold res.
✓ GUBISTA, Kathryn	Univ. of Georgia Institute of Ecology Athens, GA 30602 (404) 542-2968	Small mammal res.	LAWRENCE, David	763 Squire Hill Crt. Charlottesville, VA 22901 (804) 974-7617	Slime mold res.
✓ GUSTAFSON, Mark	Zoology Dept. Duke Univ. Durham, NC 27706 (919) 489-6003	Salamander res.	LAZAR, Arpad	1056 Valley Rd. Charlottesville, VA 22903 (703) 323-8293	Small mammal res.
HASSLER, Cynthia	2810 Wellesley Ct. Blacksburg, VA 24060 (703) 951-8297	Silene res.assist & sitter	LOWRY, Ed	203 14th St. Charlottesville, VA 22901 (804) 295-7417	Salamander res.
HILL, Gary	104 F Camden Way Yorktown, VA 23693 (804) 766-2552	Beh. Ecol. class	LYONS, Emily	215 Armington Hall The College of Wooster Wooster, OH 44691 (216) 287-3099	Silene research
HINSON, Gary	Rt. 1, Box 609-A Riner, VA 24149	Alloz. Workshop	MC CAULEY, DAVID Pat Michelle	Dept. of Biology Vanderbilt Univ. Nashville, Tn 37235 (615) 322-0119	False Colorado Potato Beetle research
✓ HOOD, Mike	1101 Hillsborough St. Apt I-4 Raleigh, NC 27603	Mol. Tech. Mycology class	MONTAMBAULT, Jensen	Rt. 5, Box 156 A Louisa, VA 23093 703 967-2469	Ornithology class Entomology class
✓ JAEGER, Robert	Dept. of Bio. Box 42451 Univ. of SW Louisiana Lafayette, LA 70504 (318) 231-6748	BEHAV. ECOLOGY	MORLANG, Jenny Brandon	P.O. Box 9705 Hollins College Roanoke, VA 24020 (703) 362-6543	Mol. Tech. class
✓ JAMES, Frances Travis Sydney	Dept. of Biol. Sci. Florida State Univ. Tallahassee, FL 32306	ORNITHOLOGY	✓ NALEPA, Christy Pat Rand	Entomology Dept N.C. State Univ Raleigh, NC 27695 (919) 733-2458	ENTOMOLOGY
JAWORSKI, Joe	405 Richard St. Spring Arbor, MI 49283 (517) 750-1200	Alloz. Workshop	NELSON, Cal	7 Blanca Dr. Novato, CA 94947 (415) 897-5486	Silene res.
JUMP, Jeff	4309 Canton, Apt. I Lubbock, TX 79413 (806) 793-9208	Fern research	NG, Melody	344 Rogers Newcomb Hall Sta. Charlottesville, VA 22904	Salamander res.

NOLAN, Val Ellen Ketterson	Dept. of Biology Indiana Univ. Bloomington, IN 47405 (812) 855-6837	Junco research	TISDALE, Amy	1505 Virginia Ave. Charlottesville, VA 22903 (804) 971-8226	Slime mold res.
OPEKA, Steve	Rt. 1, Box 266-D Newport, VA 24128	Kitchen mgr.	TITUS, Russ	Dept. of Biology Indiana Univ. Bloomington, IN 47405	Junco Research
PALEN, Amy	8307 Colebrook Rd. Richmond, VA 23227 (804) 262-5676	Beh. Ecol. class Entomology class	TRZUSKOWSKI, Susan	2404 Willard St. Wilmington, DE 19806 (302) 656-9106	Ornithology class
✓ PARKER, Jess Kathryn Ian, Chris & Melissa	Smithsonian Envir. Rec. Ctr. P.O. Box 28 Edgewater, MD 21037	Forest ecology	✓ VILGALYS, Rytas Liz Rim (7 1/2) Gabriel (5) Matas (ca.3)	Dept. of Botany Duke University Durham, NC 27706 (919) 684-3482	MYCOLOGY
PERONI, Patricia	Dept. of Biology Davidson College Davidson, NC (704) 892-2204	Seed dormancy research	WALKER, Lisa	Rt. 1, Box 593 Purcellville, VA 22132 (703) 668-6497	Beh. Ecol. class
RAOUF, Samrrah	Dept. of Biology Indiana Univ. Bloomington, IN 47405 (812) 855-1096	Junco research	WATSON, Michelle	10 Clovelly Drive Whitby, Ontario LIN 7A8 (416) 668-4968	Junco Research
RISHER, George	13501 Brian Ct. Manassas, VA 22111 (703) 791-3193	Beh. Ecol. class	WATTS, Anne	P.O.Box 233 North, VA 23128 (804) 725-3494	Salamander res.
ROBERTS, Sam	3921 Nottaway Rd. Durham, NC 27707 (919) 490-1945	Silene research	WEAVER, Brian	104 South View Lane Narrows, VA 24124 (703) 726-2956	Entomology class
ST. AMOUR, Sheila	Dept. of Botany Duke Univ. Durham, NC 27706	Silene research\	✓ WERTH, Charles	Dept. of Bio. Texas Tech Univ. Lubbock, TX 79413 (806) 742-3222	Fern research ALLOZYME
SIFFORD, Peggy	3175 Pear St. Christiansburg, VA 24073 (703) 381-2377	Cook	WHITE, Deborah	77 Dane Ct. Hampton, VA 23666 (804) 825-9424	Mycology Class
✓ SILMAN, Miles	Dept. of Zoology Duke Univ. Durham, NC 27706 (919) 419-8371	Striped maple research	WHITLOCK, Mike	Dept. of Ecol. & Evol. Univ. of Chicago 1101 E 57th Chicago, IL 60637	Fungus beetle research
SOMERVILL, Laura	U Box 63721 Tallahassee, FL 32313 (904) 576-2726	Ornith. assist. & sitter	WILBUR, Henry Becky Helen(9) Lindsay(6)	Dept. of Biology Univ. of Va. Charlottesville, VA 22901 (804) 982-5486	DIRECTOR Salamander res.
STAFFORD, Sally	1629 Bishop Rd. Blacksburg, VA 24060	Cook	WISE, Sharon	Dept. of Biology P.O.Box 42451 Univ. of SW Louisiana Lafayette, LA 70504	Salamander res.
STEPHENSON, Steven Barbara Becky	Div. of Sci. & Math Fairmont State College Fairmont, WV 26554 (304) 367-4158	Slime mold res.	ZIEGENFUS, Charles	Math. Dept. James Madison Univ. Harrisonburg, VA 22801 (703) 568-6408	Junco research
THOMAS, Eddie	515 Progress St. Apt B Blacksburg, VA 24060 (804) 823-2256	Entomology class			
✓ THRALL, Peter	Dept. of Botany Duke Univ. Durham, NC 27706 (919) 684-3233	Silene research			



SEE YOU AROUND!

