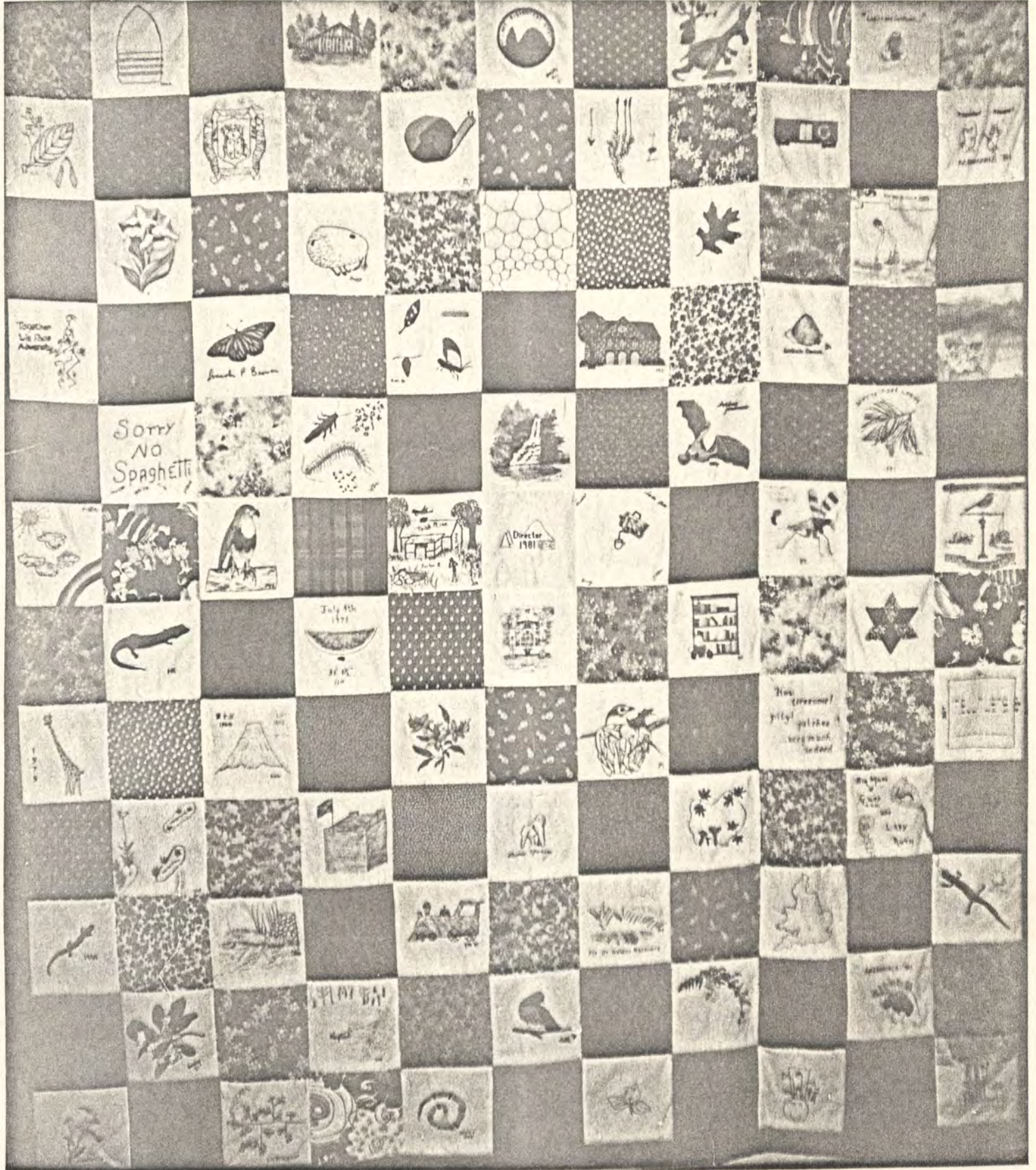


Mountain Lake Echoes



1981

MOUNTAIN LAKE ECHOES

1981

Administrative Staff:	Director	J.J. Murray, Jr.
	Business Manager	Wayne Angleberger
	Secretary	Mary Ann Angleberger
	Librarian	Buffy Berry
	Caretaker	Steve Hulburt

November 6, 1981

Dear Mountain Lakers:

Returning from the Himalayas to pick up the threads of academic life at Virginia, it seems a long time since we were all up on the mountain together last summer. The Himalayan trip was a marvelous experience. There was too much bad weather and new snow for much success in the climbing world, but the scenery, the companionship, and the wildlife were incomparable.

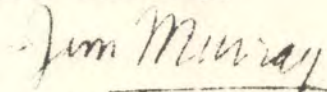
Thinking back over the summer I am moved to say thanks to all of you for what I consider to be the most exciting session at Mountain Lake in many years. Our unique blend of enthusiastic researchers, refreshing URP participants and stimulating supporting courses provided an atmosphere of intellectual ferment that I hope will endure.

Despite the loss of the URP program to the Reagan axe, we can expect Jim Riopel to put together a challenging program for 1982. We will have the Pratt postdoctoral fellowships once more and a galaxy of stars in the teaching program. The faculty is already complete and is listed on the last page of the Echoes.

Finally, I want to express my deep appreciation to Mary Ann and to everyone of you who created that marvelous symbolic record of life at Mountain Lake, the Incomparable Quilt. I consider myself now to be something of a Custodian of the Mountain Lake Spirit. I shall do my best to live up to your hieratic trust.

So until next year I wish you all Good Luck, a Merry Christmas and a Happy New Year.

Yours sincerely,



J. J. Murray, Jr.
Director

AQUATIC ECOLOGY

Woke up this morning things were looking bad
Seemed like aquatic organisms were the only friends I had
Scrambled eggs tried to stare me down, and won
And it was twelve o'clock before I realized
Eating bark was no fun.

Ahh, but fortunately I have the key
To escape Aquatic Ecology.
And you may see me tonight
Still at my scope.

The focus won't work and my eyes just can't cope.
Won't you please tell the doc
I didn't quit before one!
I had to sleep before the rise of the sun.
Last time I checked my sample
Jerry'd thrown it out

We said the pond was 4 meters deep
Dr. Hornbach has his doubts
Our titrations say no respiration, what then?
The results say Mt. Lake is an ocean in Japan.
Ahh, but fortunately I have the key
To fudge results when in jeopardy.
And you may see me tonight
Still in the boat

With one oar I can't row
I just sit here and float
Won't you please tell the doc
I didn't quit before one!
Won't this work ever be done?
Well, we went down to the river
To pick up our last slides.
But just like all the others
They'd gone out with the tide.

I dreamed Cyclotella took over the station, what then?
The only way I could save us was to count all them.

Ahh, please Dr. Murray,
You must have the key
To release us from eutrophy.
And you may see me tonight
With my face in the books.
These late nights studying
Don't do a thing for my looks.
Won't you please tell Dr. Hornbach
I didn't quit until one!
I think the copepods finally won.
BUT I'M DONE!!!

Dr.
Hornbach

Susie
O'Rourke

Anna
Galusha

Laura
Turner

Donna
Middleton

Jerry
McCormick
Ray

Steve
Gardner

Lynn
Wellage
Dixon



FIELD BOTANY

Dr. Olsen was his name, hunting plants was his game.

A Texas man--not a Virginian was he, with a class of ten from around the country.

With his 10 membered Field Botany class, he was able to find things he wanted quite fast.

Plants galore did we see, then identified them with a dichotymous key.

Travelling all the way from Clover Hollow to Buffalo Mountain, we found many buds for chromosome counting.

Can't always work, must make time for play, so we played volleyball as a team and took the toothpick away!

All day hikes were often and exciting, except for the bag lunches which were sometimes quite frightening!

The day finally came to stop playing our game, herbariums were due and we had to learn 250 Latin names!

Hunting for plants can be lots of fun, especially if it's a scavenger hunt out in the sun!

Twenty-five plants--that's all we needed to find, "You won't need to leave this campus" was his last line.

Boykinia aconitifolia, Galax aphylla, and Quercus alba were just a few--

Oh yes, we can't forget Cercis canadensis and Tilia americana too!!

We spent hours searching the campus for these two little trees, then gave up all hope of finding plants such as these!

After another long day of looking at plants and writing out their names, The class called an end to this fun 5-week game.

All in all the class was great, thanks to Dr. Olsen and good old Mountain Lake!!

---Becky Fry

Dr. John Olsen
Nell Harry
Connie Cox
Steve Dahlstedt
Glenn Pratt
Michelle Grenier
Becky Fry
Greg Rogers
Anna Galusha
Linda Hosticka
Paul Manos

FIELD BOTANY BLUES

Johnny O. he loves to lecture flora formulas are his bag,
He loves his phyto-chemistry but we all think it a drag,
Down right unbearable,
Yes a bad dream,
They say it burns inside your head.
And when you wake up in the morning you wish them trees were lyin' dead.

Ham and cheese on dry bread, salami full of fat,
The potato chips are soggy, who can eat all that!
And peanut butter,
It's just a bad dream,
With nothing to wash it down.
We get desperation hunger when lunch time rolls around.

There's bruises on my backside and lumps upon my head,
I forgot to drink my coffee and my eyeballs must be red,
I wish that this was,
Just a bad dream,
That I was in the front seat instead.
But I'm in the back of the carry all,
Got a steel belted radial for a bed.

Driving round the mountains with women in the back,
The way that they are screaming you'd think I'm a maniac.
They say them roads, are really scary,
You get aringing in your head,
But when it moves down to your stomach
You're bound to wish that you were lyin' dead.

Can't always be a working, must leave some time for play,
So we played a little volleyball, and took the toothpick away,
With Glenn's great height, and Olsen's spike,
We took them on that day,
And when the tournament was over,
We cramed for our exam the following day.

I was standing in the herbarium and the match just wasn't right,
Its branches they're all twisted and the plant is burnt just right,
The moth ball blues,
It's just a bad dream,
They say it burns inside your head.
But when it's lonely in the morning,
You're bound to wish you were pressed--mounted--and lyin' dead.

We had a 2-day long exam, it really was a bear,
First we wrote our armoff, then had to look everywhere,
For 25 plants, then 70 more,
Gee, I could hardly keep score,
When it comes to findin' Redbud,
It's like bangin' your head against the door.

BIOLOGY OF BIRDS 1981

Well, where to begin with the study of Birds? After attending to necessary paper matters -- text, notebook, fees -- it was appropriate to start learning the physical characteristics of these animals. Anatomically, they feature wings instead of arms, claws rather than feet, feathers as opposed to hair, and a pair of biz, tough lips. Aurally, distinguishing their various songs and calls demanded a discriminating ear: "no, that is an airplane, ... no, that's the saw in the shop, ... no, that's John's record on the turntable in Audubon at 7 a.m., ... no, that's Peter doing his screech-owl imitation, ..." and so on. Peter, equipped with eight years' experience in birding, always kept us alert: was it Peter, or was it Memorex?

With the basics secure, we were ready for the field. We had full respect for our responsibility in censusing the Station's avian populations: on very few mornings were Gail and Louisa caught birding before breakfast, and some afternoons Todd was more fond of following a flying frisbee rather than a Least Flycatcher (a.k.a. "chebeck"). Well, sometimes we were more dedicated than others. Peter was kept busy in pursuit of the ubiquitous American Robin, John never did find the elusive Ruby-crested Towhee, and Nina was comfortable studying Dara-eyed Juncos from her cabin window.

Yes, the birds got to our brains, altering our behavior: Gail took to sticking feathers in her Peterbuilt cap and calling them macaroni, Todd took to viewing the world through field glasses formed from the plastic ring binder of a six-pack, and his shoes were suitable substitutes for Nina to use in demonstrating in an oak on the lawn just how Fairy Teras incubate their eggs or bore tree branches. Field trips were fun, as was treating ourselves to a stop at Ron's and a dip in the lake after a successful afternoon at Sinking Creek. And, Dr. J. hosted us to plenty of brew on The Porch, housed Nina's tadpoles for her pet garter snake in the fountain in front of Clayton, and conducted "class" by his fireplace one rainy evening, the subject matter being John's surprise 15th birthday party.

Not so surprisingly, we managed to learn quite a bit about Birds and their behavior, despite all of our play -- leave it to Dr. J.!

John Baker
Nina Blagrove
Louisa Dieck
Todd Early
Gail McVey
Peter Yaukey

DUNG FLY BLUES

Behavioral Ecology and Sociobiology

Well yonder comes a cow,
*He's a eatin' lots of grass,
And I think we'll see a patty,
A coming out his (pause)

Chorus

I got the dung fly blues
I got the dung fly blues,
You know I can't loose,
Cause I got the dung fly blues.

I've been a flying all around,
Looks like I got here too late,
All the females are taken,
Now I can't copulate.

I can assess them over here.
I can assess them over there
But lately what I'm assessin'
Is there ain't no females here.

I've landed on a patty,
Oh no, I'm sinking quick,
I better do something fast,
Or I'll get dung all over my ...elbow.

I see a little female,
She's a looking mighty fine,
So come on little mama,
Your patty or mine.

I see a rival male a comin,
I can't let him take his turn
Cause if I do, he's surely
Gonna displace my sperm.

I'm gonna maximize my fitness,
By passing on my genes,
I'll be jumping on the females,
I'm a copulating fiend.

We learned about the dung fly,
In the class that we just had,
We're sociobiologists,
And that means "We Bad"!

*Ed. note: "He's"??? Don't those mammalogists know about those things?

MT. LAKE DIRECTORY - 1ST TERM

Name	Course	Cottage	Home Address
Angleberger, Joyce	Behav. Eco.	Laing single	6147 Mountaindale Rd., Thurmont, MD 21788
Baker, John	Bio. of Birds	Audubon	6416 Lakeview Dr., Falls Church, VA 22041
Barbehenn, Ray	Research		8208 Thoreau Dr., Bethesda, MD 20034
Bartolon, Jamie	Research	Hentz-Mohr	
Berry, Kendell	Research	Catesby	Blue Ridge School, Dyke, VA 22935
Buffy (Mrs.)	(Librarian)		
David			
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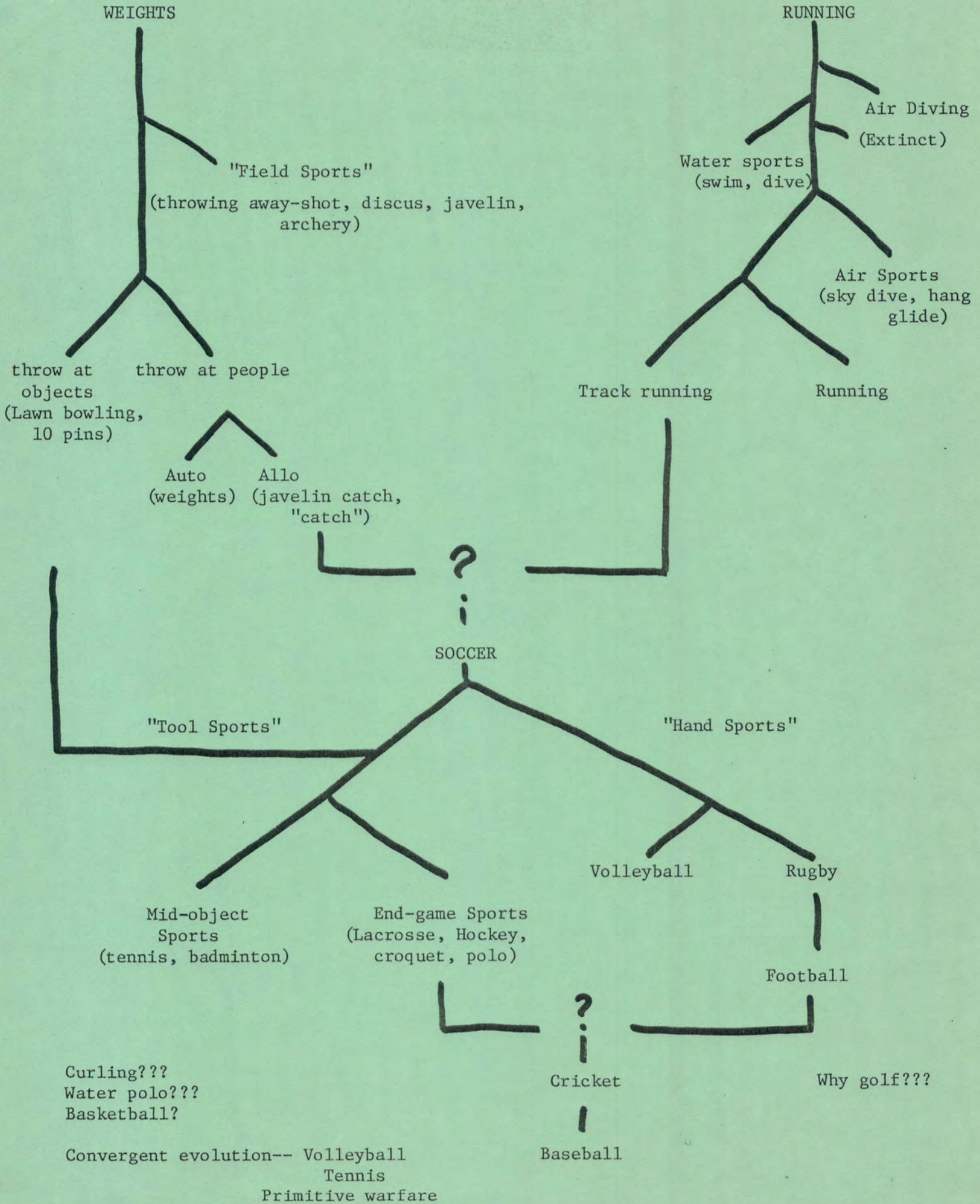
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Boo (cat)			
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Pauley (dog)			
Julie (dog)			

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Don (Mr.)			
Carlton			
Thornhill,, Randy	Research	Laing West	Dept. of Bio., Univ. of New Mex., Albuquerque, NM 87131
Nancy (Mrs.)			
Patrick			
Aubrey			
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EVOLUTION OF SPORTS

Line of Paradoxes

Line of Futility



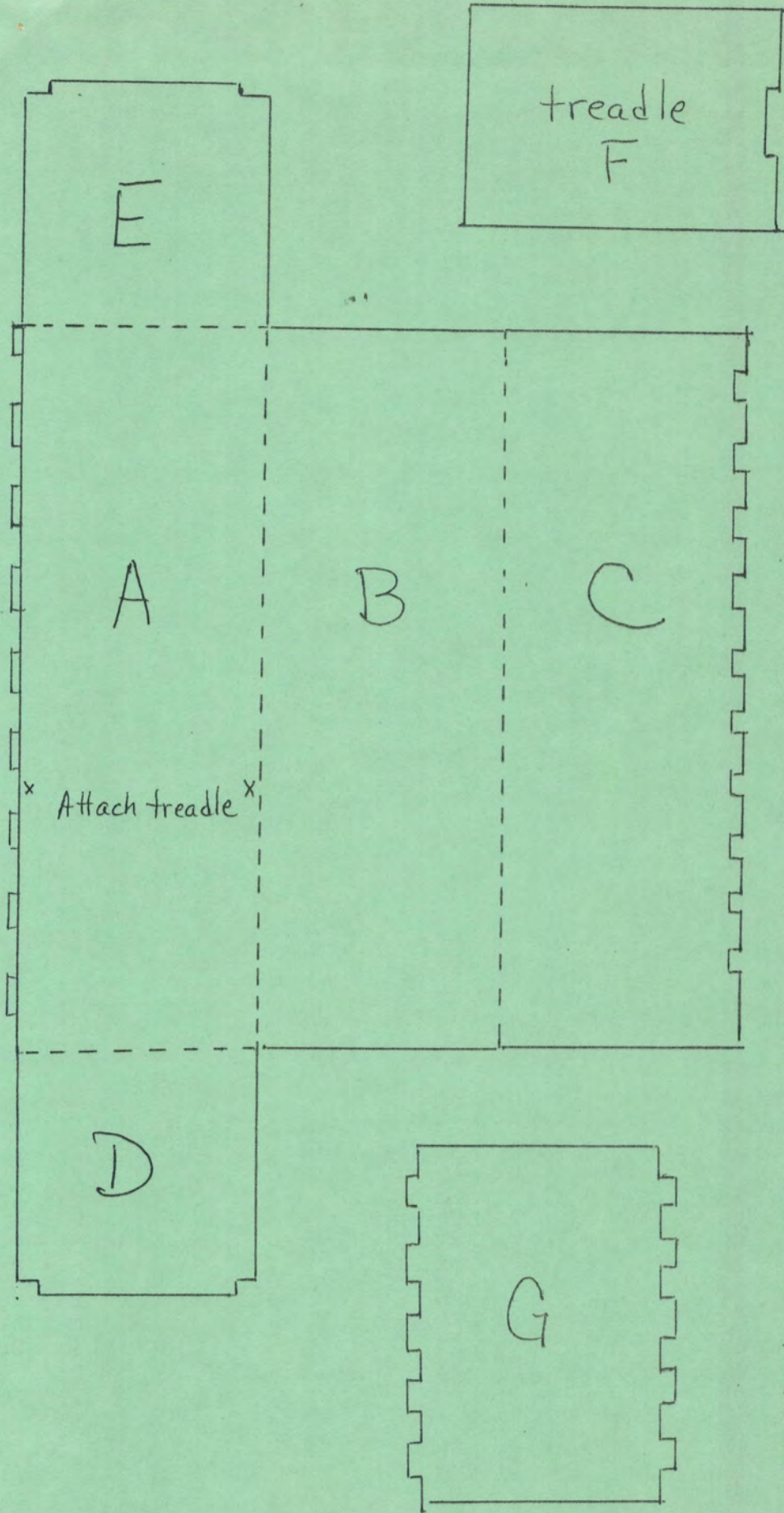


Diagram
for
Disposable
Sherman
Trap
(see next page
for directions)

How to build a disposable Sherman Trap



1. Remove diagram; enlarge 2x on paper
2. Attach treadle(F) at "x's"
3. Fold on dotted lines between A+B
4. " " " " " B+C
5. Place sections G+H opposite side B and fasten with broom straws
6. Cover trap with peanut butter.
7. Set trap closing doors D+E
8. Notify mice of completion
9. Watch mice eat the trap

THE MAMMALS' LAMENT

Where's the virgin timber gone long time passing?
Where's the virgin timber gone long time ago?
Where's the virgin timber gone, they multiply-used
them everyone
When will they ever learn, when will they ever learn.

Where has all the water gone, short time lasting,
Where has all the water gone, short time ago?
Where has all the water gone, we'd ask Steve Hulburt
but he's gone!
When will he ever learn, when will he ever learn.

Where has all the kitchen crew gone, long time passing
Where has all the kitchen crew gone, long time ago?
Where has all the kitchen crew gone, Cahoon has nuked
them everyone!
When will they ever learn, when will they ever learn.

Where has all our free time gone, long time passing
Where has all our free time gone, long time ago?
Where has all our free time gone, ask our bosses both
of them!
When will they ever learn, when will they ever learn.

Where have all the blueberries gone, long time passing
Where have all the blueberries gone, long time ago?
Where have all the blueberries gone, the mammals ate
them everyone!
When will they ever learn, when will they ever learn.

Lee Anne Eareckson
Bob Gerzoff
Barbara Church
Alice Layton
Mark Freeberg
Jim Dooley
Kendell Berry

MAMMAL TRAPPING FORECAST:



Get Up and Go

Old age is golden, so I've heard said,
But I sometimes wonder as I crawl into bed,
With my ears in a drawer, my teeth in a cup,
My eyes on the table until I wake up.
As sleep dims my vision, I say to myself,
"Is there anything more I should lay on the shelf?
But though nations are warring and business is vexed,
I'll still stick around to see what happens next."

Chorus How do I know my youth is all spent?
My get-up-and-go has got up and went!
But in spite of it all, I'm able to grin
And think of the places my get up has been.

When I was young, my slippers were red,
I could kick up my heels all over my head.
When I was older, my slippers were blue,
But still I could dance the whole night through.
Now I am older, my slippers are black,
I huff to the store and I puff my way back,
But never you laugh, I don't mind at all,
I'd rather be huffing than not puff at all

Chorus

Early next morning I dust off my wits,
Open the paper and read the obits.
If I'm not there, I know I'm not dead,
So I eat a good breakfast and go back to bed!

Chorus

Gimme That Diploid Condition

Chorus: Gimme that diploid condition
Gimme that diploid condition
Gimme that diploid condition, it's good enough for me.

1. It was good enough for Darwin...(and it's good enough for me)
Chorus
2. It's been tried by natural selection...(and it's good enough
for me)
Chorus
3. Oh, the tetraploids are bigger...(as we can always see)
Chorus
4. Oh the triploids they are sterile...(and that is bad to be)
Chorus
5. There are autoallooctoploids, but we will leave them be
Chorus
6. It gives recombination...(that we can clearly see)
Chorus
7. It produces translocations...(and it's good enough for me)
Chorus
8. It survives bad mutations...(and it's good enough for me)
Chorus

9. It keeps the sexes equal... (and is legal as can be)
Chorus
10. It is seldom homozygous... (but it's good enough for me)
Chorus
11. It gives us evolution... (except in Tennessee)

C.R. Bell
Mt. Lake
1965

Nowhere else will you beat
The Jefferson Hall mystery meat.
And if you want some salad, too,
You might as well eat your shoe.

Don't you love the sugar in your rice?
M-M-M how nice.
Sugar in your eggs, sugar in your peas,
Oh, my goodness! Sugar in the cheese.

The veggies are soggy, your milk will be cloggy,
The ice cream is foggy, your coffee's like mud.
We've the Mt. Lake food team, perhaps not the best,
But all you suckers eat here, never the less!

CLARK JONES' FAVORITES

The Garden Song (Dave Mallette)

Chorus

Inch by inch, row by row,
Gonna make this garden grow,
Gonna mulch it deep and low,
Gonna make it fertile ground.
Inch by inch, row by row,
Please bless these seeds I sow.
Someone warm them from below
'Til the rains come tumblin' down.

Pullin' weeds and pickin' stones,
We are made of dreams and bones.
Feel the need to grow my own,
"Cause the time is close at hand.
Grain for grain, sun and rain,
Find my way in nature's chain.
Turn my body and my brain
To the music from the land.

Chorus

Plant you rows straight and long,
Temper them with prayer and song.
Mother Earth will make you strong
If you give her love and care.
An old crow watching hungrily
From his perch in yonder tree.
In my garden I'm as free
As that feathered thief up there.

Chorus

Simple Gifts

(Old Shaker Society song, c. 1840)

'Tis the gift to be simple,
'Tis the gift to be free,
'Tis the gift to come down where we ought to be.
And when we find ourselves in the place just right,
It will be in the valley of love and delight.
When true simplicity is gained,
To bow and to bend we will not be ashamed,
To turn, to turn will be our delight,
'Til by turning, turning we come round right.

ANIMAL ECOLOGY

The crew found themselves face to face with the most fearsome body of water this side of Kilimanjaro, Little Stony Creek. They knew what they had to do. Each member of the group looked each other over to make sure that they were ready for their most dangerous task. Everyone was set, Sanjay had his graph paper, Corby had her "snake-clubbing" walking stick, Paul had some Skoal, John had several comments with which to score a CO, Louisa had her "airplane-highjacking" pocketknife, and Dr. Tilley had a pocketful of collecting vials and "tweezers".

It seemed that these brave souls had taken it upon themselves to collect invertebrates from Little Stony. Actually that was their second task, the first thing on their minds had been to find remnants of last year's expedition that had attempted the same dangerous mission. But, since no evidence of survivors had been found, it now looked that collecting was inevitable.

Dr. Tilley distributed the weapons and everyone assumed positions around the Creek. Silently, so as not to disturb too many of their prey, the crew members grabbed rocks from the creek floor and scurried quickly to the shoreline. They worked diligently and efficiently, hoping to escape the looming uncertainty of survival. All seemed to be going well for the crew.

Suddenly, without any warning they heard a loud "boom". Looking upwards the group found themselves face to face with a giant "Plethodon". "It was three stories tall with large teeth." The salamander roared at them and everyone raced towards the trees, everyone but Dr. Tilley. His eyes widened and his mouth formed an almost elated and evil grin. Dr. Tilley approached the salamander slowly, calling "Here Pleth, come here boy." Then with a burst of energy, Dr. Tilley ran towards the animal, pulled out his extra-large collecting bag (the one he always carried - just for a moment such as this), and captured it. He let out a yell and shouted "I got me that critter."

Then, as if nothing had happened, Dr. Tilley called the crew back to continue collecting. They finished quickly and left, taking back their "goodies".

THE CAST

The Charlies Diner Crew:

Louisa Dieck

John Finley

Sanjay Gulati

Corby Hancock

Paul Stubbs

Dr. Steve Tilley

THE END.

Really

MUSIC: STAR TREK THEME

ANNOUNCER: (VOICE OVER) These are the voyages of the instar ship Enterprize; its 5 week mission: to explore strange new habitats, to seek out new species, to boldly go where no biologist has gone before.

CAST AND COSTUMES:

CAPTAIN JAMES T. KIRK

Played by Claude Stephens---wears tattered field overalls and a gold tunic with command insignia and captain's stripes, brown hiking boots.

FIRST OFFICER SPOCK

Played by Merrill Varn---wears blue tunic with sciences insignia and commander's stripes, black trousers and boots. She has pointed ears and a slight greenish-yellow cast to her skin.

DOCTOR McCOY (BONES)

Played by Earl McCoy---wears blue tunic with sciences insignia and lieutenant commander's stripes, field jeans and boots.

LIEUTENANT UHURA

Played by Carol Weeks---wears red tunic with support services insignia and lieutenant's stripes, field jeans and black boots. She wears gold hoop earrings and a distinctive bouffant hair style.

LIEUTENANT SULU

Played by Leigh Jones---wears gold tunic with command insignia and lieutenant's stripes, blue jeans and tennis shoes.

LIEUTENANT CHEKOV

Played by Nina Blagrove---wears blue tunic with support services insignia and lieutenant's stripes, field jeans and boots.

CHIEF ENGINEER SCOTT

Played by Bev Supanick---filtered voice over.

GIANT BEES I AND II

Played by Jack Colley and Mary Palmer---look exactly like huge bees.

KIRK: (V.O.) Captain's Log, Stardate 1.23. We are to perform a routine species diversity study on the arthropod planet Mandibulata. A landing party consisting of Spock, Uhura, Sulu, McCoy, Chekov and myself was beamed down to the planet's surface.

(The party suddently materializes on the surface of Mandibulata which is covered with moss and supports large coniferous trees with an understory of rhododendron-like shrubs)

KIRK: Mr. Spock, what do you make of this sampling situation?

SPOCK: Captain, I can only conclude that this is some sort of nested situation, in which case I suggest we do our preliminary sampling in an open field instead.

McCOY: (TO KIRK) For God's sake man lets get out of here!

(Cut to a hot open field, air thick with insect sounds.)

KIRK: I believe we'll have some luck here. Set nets on "STUN...SWEEP!!!

(Several minutes pass, everyone is gasping for breath and sweating profusely)

SULU: (STARTLED) Captain, what is that strange high-pitched droning sound?

(Everyone looks up to see two giant bees hovering above them.)

KIRK: Stand back! Set phasor nets on 'KILL'. Fire on my command!

(Kirk, Spock and McCoy quickly whip out their nets and train them on the bees)

SPOCK: Most peculiar, Captain. The only logical explanation for their unusual behavior is that they parasitize humanoids.

McCOY: Dammit, their diving.

KIRK: FIRE!!!

McCOY: The nets have no affect Jim.

KIRK: Prepare for evasive action... Hard to port!

(They dive to the left.)

Hard to starboard!

(They dive to the right.)

SULU: Its no use we can't shake them.

SPOCK: Frankly, Captain, I'm exhausted.

KIRK: Me too. Do something Mr. Spock!

SPOCK: I'll repeat the Lottka-Volterra equations.

McCOY: I'll spray the air with Ethyl Acetate.

(The party's resourcefulness saves them but not before Uhura has been stung)

McCOY: She needs prompt medical attention! Design it!

SPOCK: I suggest we beam up.

KIRK: Good idea.

(Kirk whips out his T.I. 30 communicator.)

Kirk to Enterprize, do you read?

(Nothing)

Kirk to Enterprize, DO YOUR READ?!?!?

(still nothing.)

SPOCK: T.I. communicators will not function in this arthropod filled atmosphere. Perhaps the more advanced H.P. will.

KIRK: But...but, I can't speed backwards Polish.

CHEKOV: Allow me Captain. Chekov to Enterprize, do you read?

SCOTTY: We read you Chekov.

CHEKOV: Beam us up.

SCOTTY: (SHOUTING) But sir, that is only for the most extreme emergencies! The ship can't take it!

CHEKOV: Scotty, just beam us up.

SCOTTY: Aye, aye sir.

(They materialize on the bridge.)

SPOCK: We're losing her fast, she keeps saying, "The bee won't get cookies. The bee won't get cookies."

KIRK: Bones?

McCOY: The ship's computers read "No known cure." I recommend euthanasia and I already have my garbage bag charged with Ethyl Acetate.

(McCoy literally bursts with hideous laughter. Then, just before Uhura is completely inside the bag she regains consciousness.)

UHURA: No more cookies for you Doc.

KIRK: (V.O.) Captain's Log. From this day forward Ethyl Acetate fumes will be known throughout the universe as the cure for the sting of the giant Mandibulan bee and "no cookies" as the ultimate threat.

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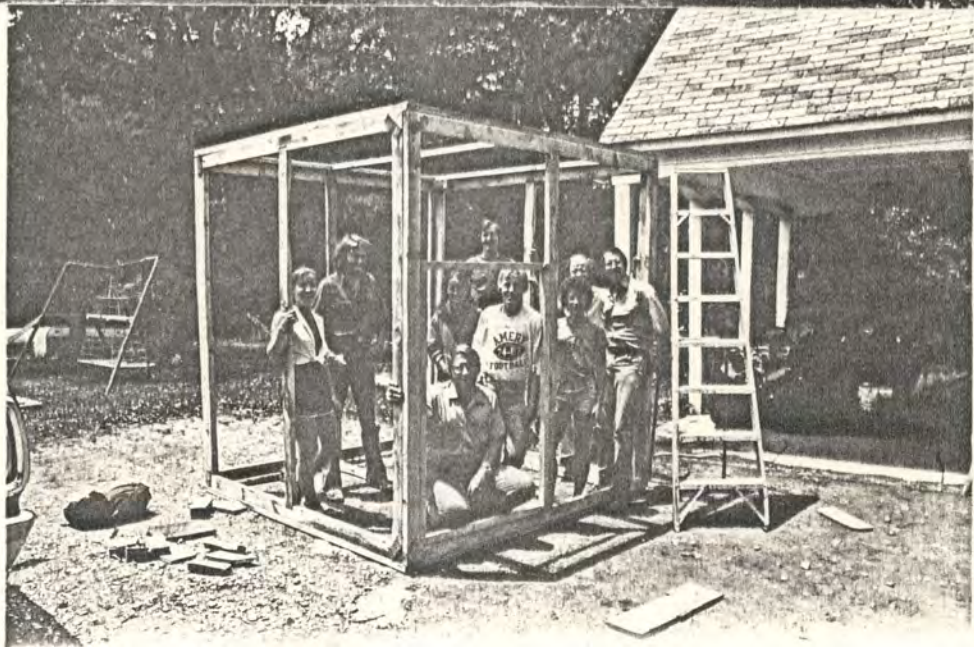
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COURSES TO BE OFFERED AT MOUNTAIN LAKE - SUMMER 1982

First Term (June 14 - July 17)

Aquatic Ecosystems (4)

Daniel J. Hornbach, University of Virginia

*Field Botany of the Southern Appalachians (6)

Lytton J. Musselman, Old Dominion University

Mammal Behavior and Ecology (4)

Jerry O. Wolff, University of Virginia

Plant Evolution and Geology (6)

Judith E. Skog, George Mason University

Principles of Systematic Botany (4)

Warren H. Wagner, University of Michigan

Second Term (July 19 - August 21)

Biology of Insects (4)

George W. Byers, University of Kansas

Evolutionary Ecology (4)

Joseph Travis, Florida State University

Ecology of the Fungi (4)

David F. Perry, Forest Pest Management Institute, Environment Canada

Ecology of Plant Communities (4)

Frank P. Day, Jr., Old Dominion University

*Natural History of the Southern Appalachians (6)

Robert C. Simpson, Lord Fairfax Community College

Woody Plants of the Appalachians (4)

Charles R. Werth, Miami University of Ohio

Sociobiology and Behavior (1)

Evening Seminar, 1 meeting/week

Jerry O. Wolff, University of Virginia

*Undergraduate Courses

The credit value of each course is listed in parentheses.