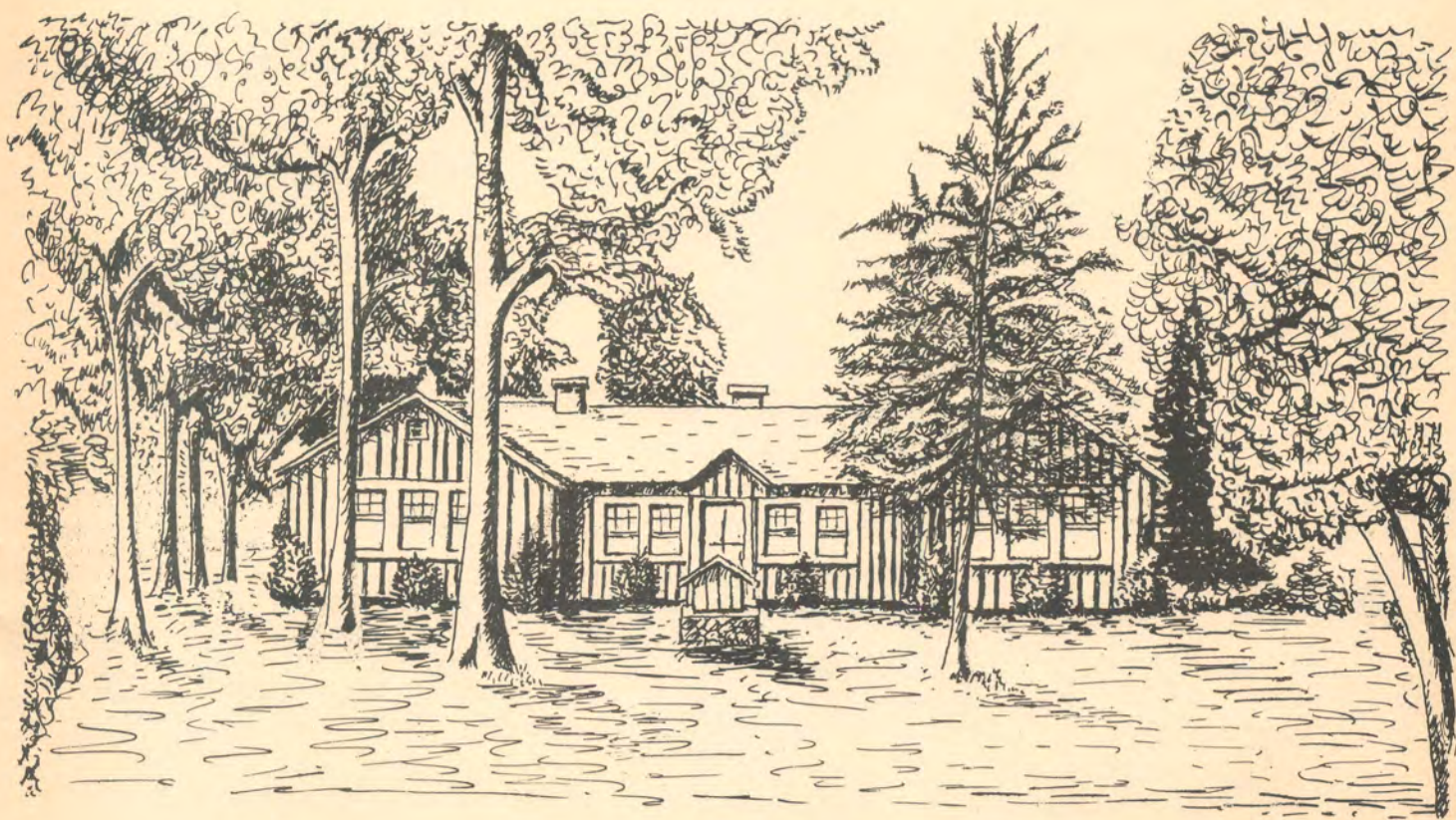


MOUNTAIN LAKE ECHOES



volume 20

summer '57

MOUNTAIN LAKE ECHOES 1957

Editors: Dr. and Mrs. E. S. Hodgson

A MESSAGE FROM THE DIRECTOR

Greetings to all of my Mountain Lake friends. To all of you who shared in making the 28th Session of the Mountain Lake Biological Station the grand success that it was, I want to express my sincere appreciation. Your cooperation and cheerful help certainly made working with you a real pleasure, and the many kind gestures and words of encouragement were invaluable to me in "finding my wings".

Since many of you who participated in the gift of the bust of Dr. Bruce D. Reynolds to the Station were not there for the presentation, I wish to take this opportunity to express my appreciation for this gift which will constantly remind us of one who was so much responsible for the rich heritage that we have in the Mountain Lake Biological Station.

All of you will be interested to learn of the anticipated improvements at the Station before next summer. The National Science Foundation has made available a sum of \$5,200 for the purpose of waterproofing the basement and converting it into additional laboratory space. Work was begun on this project in October, and we hope to complete it before the winter freeze sets in. The outside trim of the Laboratory will receive a fresh coat of paint, and we have hopes of accomplishing a number of additional improvements.

Already negotiations are being made for another excellent faculty, and I hope that all of you will join us again to make the 29th Session as successful as was the 28th.

With best wishes to each of you and your families, I remain

Sincerely yours,

Horton H. Hobbs, Jr.

IN MEMORIAM

Bruce Dodson Reynolds

1894 -- 1957

ADMINISTRATIVE STAFF

Director - Horton H. Hobbs, Jr.; Business Manager - Robert F. Gillespie;
Secretary - Lois Gibson; Librarians - Marjorie Carver and Helen Peightel;
Dietitian - Ame Garthright.

SENIOR INVESTIGATORS

- Drs. L. R. Cleveland, Hope Ritter, Arthur W. Burke and Mr. J. Rogers Byrd of Harvard, Lehigh, Medical College of Virginia and University of Michigan respectively. Experimental alterations on sexual cycles of protozoans of Cryptocercus.
- Dr. Frank J. Etges, University of Cincinnati. Continued work of previous summer on parasitic worms of Mt. Lake region.
- Dr. Philip E. Graef, Columbia College, S. C. Developmental study of ovule megasporogenesis and megagametogenesis in Galax aphylla.
- Dr. Edward S. Hodgson, Columbia University. The ecology and behavior of a cave-dwelling fly and the sensory physiology of other cave-dwelling arthropods.
- Dr. Ivey F. Lewis and Miss Lucile Walton, Charlottesville and Danville. Continuation of studies of galls on witch hazel and the causative aphid.
- Dr. Horton H. Hobbs, Jr., and Miss Margaret Walton, University of Va. and Danville. Studies on crayfishes.

JUNIOR INVESTIGATORS

- Miss Patricia Fowler, University of Virginia. A comparative study of the respiratory organs of crayfishes.
- Mr. Robert F. Gillespie, V.E.S., Lynchburg. Morphology of ciliates of the genus Haptophrya.
- Mr. Edward T. Hall, Jr., University of Virginia. A systematic study of the Latimanus complex of the crayfish genus Cambarus.
- Miss Rose Mary Johnson, University of Virginia. Serological relationships of crayfishes.
- Mr. Theodore Malinin, University of Virginia Medical School. Induction of limb regeneration in the frog.
- Mr. Robert R. Miller, Shippensburg, Pa. A survey of the caddis fly larvae in a stream in southern Pennsylvania.
- Mr. Harold R. Milliken, Newmarket, Virginia. Recipient of the Phipps & Bird Research Fellowship, preparing a key, complete with color photographs, for a certain group of mushrooms of the Mt. Lake area.
- Mr. W. E. Peightel, State Teachers College, Pa. A study of the morphology and physiology of shell development in the snail, Tridopsis albolabris.

Miss Jean Pugh, Norfolk Division of William & Mary. A study of the male reproductive system of the fiddler crab.
Mr. Grover C. Smart, University of Virginia. The life history of the crayfish, Cambarus longulus longulus.

COURSES

First Term

General Physiology: All about the birds and bees and flowers too, but from a cell's point of view, and Dr. Maroney's was all science and no poetry. This was an excellent course if you were well-grounded in solid and liquid physics, advanced cytology, biochemistry III, micro-botany and medico-protozoology.

Limnology: Marine biologists beware! Dr. Deevey wastes no time with sea-going critters. This course concentrates on lakes and their contents with Mountain Lake of course receiving most attention, through analyses and survey (top, bottom and sides....only one hole, 100 feet deep).

Bacteriology: Basic biology by bacteria. Dr. Russell's course was very impressive and close to home. One member (a tomato juice addict), now sterilizes not only the top of the can but the screwdriver with which he opens it before drinking his morning portion.

Entomology: No stone was left unturned at Sinking Creek when that Entomological Eutopia was discovered. More frequently than not the Cole crew fell victim to the Hellgramites' bite and midmorning baths to take the "T" out of "Stinking" Creek. The bottles, vials, forceps, etc., limited the agility of Cole's Devoted Disciples, but they returned day after day, wet, dirty, tired and loaded. Motto: Returnidae in the bussidae to the labidae to classify the bugidae. C,C,C,C, and C (alias, 4 Colds and a Cole).

Second Term

Algology: If anyone doesn't know a fresh or salt water alga when he meets one it won't be Dr. Prescott's fault. Is there any function or aspect of algae that was missed?

Plant Anatomy: Sorry. No recipes for dandelion wine, burgamont tea or pokeberry ink or onionskin dye. Dr. Brumfield explained how to tell ironweed from ironwood and why Pennsylvania striped maple grows in Virginia.

Experimental Embryology: Lab lights burning far into the night and secretive mutterings about the fourth digital cut and looking into the coelom. However, the giant toad never materialized, the newt with a hell-benders tail and frog legs never quite developed; all the genes are back in their boxes, Dr. Fankhauser is back in Princeton, and we return to our science fiction.

Mammalogy: To be sung to the tune of "Old MacDonald Had a Farm"

Young Tom Kennerly had a course,
Oh my, Oh my, Oh.
And in this course there was a skunk,
Oh my, Oh my, Oh.
With a big smell here and a little smell there
An awful stench in the lab and everywhere.
Young Tom Kennerly had a course,
Oh my, Oh my, Oh.

LIBRARY NEWS

Miss Marjorie Carver of the Alderman Library was at the Station the first three and a half weeks to open the library. Mrs. Helen Peightel was Station Librarian the rest of the summer, assisted by Miss Nina Hobbs. Bill Peightel continued to classify new reprints.

There were approximately 3,200 reprints received from various donors, including Dr. Robert K. Burns of the Carnegie Institute and Dr. Hobbs. Additional journals and reprints will be appreciated if any readers care to contribute to the Mountain Lake Library. Please place us on your mailing list.

Two book stacks, matching those already in the library, were restored to good condition and painted by interested and eager volunteers last summer. This good work was greatly appreciated by the librarians, who needed additional book space for the expansion of the library.

EVENING TALKS

First Term

Dr. Ivey F. Lewis Historical Notes of the Mt. Lake Region
Dr. Arthur C. Cole A Scientific Resurvey of Bikini Atoll
Dr. Edward S. Deevey..... Radio-carbon Dating
Dr. Arthur W. Burke..... Radiation Techniques in Biology
Dr. Catherine M. Russell.... Tissue Culture Techniques Utilizing Nasal Secretions

Second Term

Dr. Gerald W. Prescott Skimming Scum in the Andes
Dr. Thomas E. Kennerly Ecological Studies of N.A. Pocket Gophers
Mr. Edward Hall

Mr. Robert Gillespie.....Reports of Master's Theses
Mr. Robert Miller
Dr. Edward S. Hodgson ..New Ideas in Sensory Physiology during the
Past Twelve Months
Dr. J. D. LodevijkMating Behavior of some Tropical Fish
Dr. Gerhard Fankhauser..Salamanders, Cells, and Chromosomes

OPEN HOUSE

The largest number of persons ever to attend Open House came on July 7 to pay tribute to Dr. Bruce Dodson Reynolds, former director of the Station, whose death in April came as a shock to all of us. Dr. Robert F. Smart, chairman of the committee to honor Dr. Reynolds, presented to Mrs. Reynolds a book of letters of tribute from many who have known Dr. Reynolds through the years at Mt. Lake. He also made the presentation of a bronzed bust of Dr. Reynolds, sculptured by Margaret Smoot Laessle. It was a pleasure to have Mrs. Reynolds, her children, and seven of her grandchildren - as well as two of Dr. Reynolds' brothers and their families, here for this occasion.

Many of our Giles County friends and neighbors, as well as numerous "old Mt. Lakers", former students, and friends at the University attended, while the weather man cooperated by giving us perfect weather. Student guides took the guests on tours of the laboratory exhibits, rock garden, Museum, and cottages. The foyer was never more beautifully decorated than it was with Cathedral Candles and ferns. Punch and sassafras tea were served from the dining hall porch.

The entire afternoon was one to be remembered - an unusual occasion, filled with Mt. Lake informality coupled with a note of dignity.

WEATHER SUMMARY

Mountain Lakers for '57 enjoyed unusually pleasant weather. A total of 47 days were entirely fair with a dozen more only partly cloudy. The rainfall totalled only 8.7 inches and the great majority of this fell on just six occasions. The average daytime temperature was 77 degrees F., and the average nighttime temperature was 55.5 degrees F. The highest daytime temperature recorded was 86 on June 16, a few days after the Station opened. The lowest daytime temperature was 57.2 on August 18. The lowest nighttime temperature was 41.5 on August 5, and the highest nighttime temperature was 65.7 on the night of July 8. --Bill Peightel

LAGUNA MIA

Terressa Cox Prescott

Deep fragment of an ancient mighty lake
And old in geologic time, your dark
Blue waters follow green-ringed shores which make
A leafy screen for small life there; and mark
The edge of bracken woods. Here spruces, pines
And shy young birch conceal the luscious store
Of blue and scarlet fruit; while mosses, vines
And ferns compete to build the forest floor.
These woods and lake are quiet now; They do
Not feel the stalking bitter cole that creeps
Across the land and into minds who knew
And loved them far too well. So Beauty sleeps
In peace-- but restless ones who hear a song
Of swans at night, must dream awake too long.

(Pub. Lansing State Journal)

MOUNTAIN LAKE MEMORIES

(with thanks to Drs. Ivey Lewis and Bob Brumfield)

25 years ago

The four rooms of Thompson Cottage near the lake housed the biologists for the third year. Members lived in the hotel and Dr. Lewis, with no office, administrated out of his pocket.

The chestnut blight hit hard and was aided by a dry summer. The grass on the sloping lawn of the hotel turned brown and became slippery. Sledding was then inaugurated by means of old boxes and the entire slope was navigated. Notable among the sledders was Mr. Moody himself, who was able to develop great speed on the course. Mrs. Moody watched from the hotel porch with much disapproval.

Miss Fontaine, Fellow of the Royal Entomological Society of London, visited the station on her way back from Brazil. She arrived carrying two starving caterpillars of the pipe vine swallowtail butterfly and said that if they didn't have leaves of Dutchman's pipe they would die by nightfall. The woods were full of Indian pipe but the nearest Dutchman's pipe was on the cliffs of the Cascades. Undaunted the lady set out in the

rain on foot and alone for the ten mile roundtrip to the Cascades. She returned triumphant and the larvae were saved.

The meat supply ran short, so the hotel staff caught a little Jersey bull from nearby and supplemented the diet with fresh beef. However, the meat was tough and there were many sore jaws among members of the station. George Nasif, a Syrian rug salesman from Miami, loved to walk in the woods and was chief trail breaker and trail finder.

20 years ago

Laing building served as laboratory, classroom, staff headquarters and library.

Softball was the chief sport and a large diamond was created on the site of the present laboratory. Games were long and enthusiastic. One evening as darkness fell, first baseman Alice Grizzard was unable to see the ball coming toward her and batter Raymond Taylor (now of AAAS), bounded around the turn of first, fell and broke his ankle. Succeeding games were somewhat more gentle.

Margaret Pfluge's sister is named Floy. One of the hit-tunes of that summer was "Flat Foot Floogie with a Floy Floy." Yes. She became very tired of that song.

Bill Grover collected 4000 yellow-jackets from the wall of DeSchweinetz; rattlesnakes often caught by Mr. Tawney (caretaker) were cooked and served in the dining hall.

A favorite walk was up the road to Wind Rock. The B-11 was purchased but did not prove as able as the B-10, as it could not climb trees. Dr. Lewis' hand-blown glass hummingbird feeder was shot to pieces by a physiologist who wanted to work on hummingbird wing muscles. His shotgun killed the bird and got the feeder too. The Hydrobiology class was often in a fog--at 2 a.m. on the lake trying to find their way to shore.

15 years ago

The new laboratory building now adequately accommodated staff members, investigators and students.

The effect of the war was not yet felt at the station and nearly a full complement of people arrived. However, Ruth Tawney, eldest daughter of the caretaker, would haul a load of wood for you for a nickel in order to help those "Poor people in England."

A favorite spot for picnics and sings was atop Beanfield Mountain near the golf course. The deer were noted for the first time this year. Outdoor activities engaged everyone's time except Miss Turpin and her indoor bridge players at Hariot.

10 years ago

An outstanding innovation was the formation of the Planning Council under the direction of Dr. Reynolds.

A volley-ball court was constructed and readied for next summer. Square dancing was started and the hall resounded every Saturday night to the shouts of "Swing your partner".

The entire crowd responded to the fire call to put out the blaze in Audubon Cottage. The inmates had wanted to insure a large supply of hot water and built up the fire in their stove a little too generously. The smoking timbers were removed and the rest of the damage soon repaired.

UNACADEMIC NOTES

Improvements and Additions

The last week of June and the first week of July witnessed the transformation of the dining hall interior from the color of Sinking Creek to a pleasant shade of lichen green. Men, women, and children were swinging brushes far into the night of July 5 to the accompaniment of rock 'n roll tunes blaring from a local station. The group was distinguished by the presence of Frank Etges, one time painter, whose most famous work is the 14th floor of the Blackstone Hotel in Chicago.

A much needed improvement was the back-breaking chore of replacing the septic-tank sewers. The laying of 600 feet of pipe was accomplished under the direction of Jean Pugh, assisted by Miss Gibson, and Messrs. Hobbs, Gillespie, Couch, Smart, Maroney, and Peightel.

Other improvements involving Jean Pugh were the trimming of branches from cottage rooftops, (this is best done barefooted), and the interior decoration and painting of Maphis in shades of yellow, green, and grey. For the first chore Jean was assisted by Dr. Hobbs and Mr. Couch.

On a rainy Saturday afternoon during the second term, an earthen-works dam was constructed across the lower end of the long defunct Lake Rana, by energetic members of the station, under the direction of Dr. Lewis.

During the middle of the second term, Mr. Couch was seen constructing a low-lying circular wall of mortar and rock at the extreme northeast corner of the rock garden. Many theories were advanced as to its purpose such as a footbath for lab-weary travelers, a fish pond for children, or a drinking pool for the deer. However, Dr. Lewis cleared up the mystery by announcing that it was to be a permanent home for some algae which are usually found in not so permanent rock pools.

Miscellaneous improvements included widening the walk in front of the lab, new shingles on Taylor Hall and the cutting of several trees in the clothes drying area to let in more sun.

A welcome addition to the kitchen was an electric dishwasher. Peggy Walton no longer looks at the glasses with a jaundiced eye. Gifts to the lab included an ironer from Mrs. E. Runk Kayan and a group of square dance records from the boys of DeSchweinitz. Reed Cottage has been officially designated as the Director's cottage.

Dietary Department

This most important office was under the conscientious care of Miss Ame Garthright of Richmond and her crew of three cooks led by Raleigh Mason. Miss Garthright's menus were interesting and varied. We discovered that she could make ice-box cookies, cheese fondue or stuff a turkey with equal ease. In her spare time she is an artist painting in various media and weaving rugs and wall hangings. Raleigh's cooking was excellent and we add a special word of praise for his biscuits and cornbread.

INCIDENTAL OBSERVATIONS

You could not miss Bruce Cleveland's red jeep roaring from one mountain to another in deadly pursuit of the luckless Cryptocercus. But ask Bruce about the day they lost it (the jeep).

When questioned about the bandage on her ankle, Miss Garthright quipped, "I slipped on some grits."

Dr. Lewis procured a special batch of attractive Mountain Lake stationery which became an important commissary item.

Note: Rose Mary Johnson did not enter Tawney's or any other cave or cavern during 1957. She isn't expected to do so for the remainder of this century.

The station's gift to the deer, the salt block, was erected on June 21. Mr. Couch reports seeing a herd of 28 of these animals shortly before our arrival.

On a Monday late in July, shortly after the last breakfast bell had rung, your editors were stepping sleepily out onto the path to the dining hall then barely stepped back in time as Dr. Hobbs and Peggy Walton raced by at top speed to the dining hall porch. As their thundering footsteps died away in the distance, shouts of "Peggy won" reached our ears. We have no further comment.

The annual Stonehenge picnic was held on Sunday, July 28, and was especially enjoyable due to the absence of no-see-ums, mosquitoes, gnats, bees, and other uninvited guests.

During the wild Saturday night showing of the movie "Seminole" some renegades were noted in the audience clapping every time the Indians got the upper hand. Other Saturday night entertainments included a "mixer" party M. C. ed by Jean Pugh, a costume party noted for the variety and ingenuity of the costumes, nursery rhyme charades, a treasure hunt and a TV panel show. The last get-together of the season was celebrated by a showing of the great Southern epic film, "Mississippian Rambler" starring Tycoon Tower and Hyper Sorry.

SPORTS

For the second time in its nine years of existence, the volley-ball court lost its first place in popularity. In 1950, tennis attracted more followers, but this year the favorite game was of all things Gnip-gnop (Ping-pong to you). Nearly everyone was seen at one time or another holding a paddle in the Ping-pong room and the little white ball could be heard bouncing back and forth before and after meals, at odd hours of the day and on into the night. Fortunately the occupants of west Laing were avid players. The enthusiasm was so great that a new net and paddles had to be imported from Charlottesville early in the season.

However, there was a small, hardy group of volley-ball regulars who managed late in the season to attract more players to the court so that there were some good games during the last three weeks. Bruce Cleveland and Hope Ritter with the micro-assistance of Bobbie and Horton dug out several large rocks from the court, raked the surface and repaired the marking lines.

Horseshoes attracted so many players that a second court was constructed on the side of the tennis court.

Badminton also gained in favor with both daytime and after dinner players.

The unusual number of sunny days drew many swimmers and sun-bathers to Schoew pool and the wading pool was very popular with the water-splashing set. Your editors report, however, that the water was as cold as ever in both pools.

Croquet was played sporadically and it is rumored that someone played a game of tennis at the hotel court.

No fencing (with weapons) occurred as Ted Malinin left his sword at home.

Sunday hikes were led by Bruce Cleveland. His puffing followers were rewarded by the grand scenery of Bear Cliff, Bald Knob, Wind Rock, and the Cascades.

Sports of the indoor variety included wild games of Monopoly led by Conrad Hilton Etges and NO-Deal Graef. Both regular and degenerate bridge were played by regular (are there any of these at Mr. Lake?) people. An occasional cry of "checkmate" helped us to spot the usually silent chess players, except for Jean Pugh who can talk and play at the same time. Note: Bob Gillespie is the champion bongoball bouncer.

PERSONAL

Visitors

Dr. and Mrs. Frank Fennimore stopped by on their way to Oak Ridge. V.P.I. was well represented by A. B. Massey, W. L. Threlkeld and Major Jack Reeves and family. Dr. and Mrs. Richard Zweifel stayed overnight on their way home to New York City from a three weeks collecting trip to Mexico. During Open House many alumni returned for the occasion. These old friends included Dr. and Mrs. Robert Smart and daughter Tuckie. Dr. Smart has recently been appointed Dean of the University of Richmond; also Dr. and Mrs. Harry Holloway and family, Dr. Robert Burns, Dr. and Mrs. P. C. Holt and Jean Dofflemoyer who has just moved to California. Later visitors included Dr. and Mrs. E. Ruffin Jones and family, Dr. and Mrs. Jesse Thompson, and Dr. and Mrs. Homer Will.

Degrees

Four Master's degrees were awarded by the University this summer for work completed at the station. The recipients were Robert Gillespie, Edward Hall, Grover Smart and Robert Miller.

Historic events

Born to: Dr. and Mrs. Harry Holloway, a son, Ralph Johnston, in July
Dr. and Mrs. Jesse Thompson, a son, John, in May
Dr. and Mrs. Frank J. Etges, a daughter, Ann Cammille,
in January
Dr. and Mrs. Thomas C. Cheng, a son, Thomas, Jr., in June
Mr. and Mrs. Robert Heffner, a daughter, in December

Married: Miss Patricia Fowler to Mr. Grover C. Smart, in August.

Miscellany

Mrs. James Wilshire studied birds of the world during the summer at Cornell. Dr. J. C. Strickland now heads the biology department at the University of Richmond. Dr. James Dent is acting chairman of the biology department at the University of Virginia. Ruth and Herman Brant have moved to Germantown, N. Y. where Herman is now employed by a chemical company. Betty Zipf is working at Biological Abstracts. Billy E. Frye is teaching at Piedmont College this semester and is expecting a call from Uncle Sam soon.

REPORT FROM MR. COUCH

This is the fifth year that Mr. Farley Couch and family have lived at the Station. This year has been a good one according to Mr. Couch, except for that rainy spell last spring when they were kept indoors for twenty-one days straight because the rain kept coming down. "How it did pour. I had all the buckets on the place up there in the attic of the lab and still couldn't catch all the water leaking into LeConte and Banister by the chimneys and it seemed that the cabins would wash away. It took two bags of cement to patch up the chimneys. Then after that it was so damp with all the shade trees around all the shingles all over the place were starting to rot away, so as soon as Dr. Hobbs came I told him he ought to cut the branches down over all the cabins. The people in the cabins will catch cold and maybe T. B. unless some sunlight can fall on those rooftops. So we worried on that the first part of the summer. Then it got so dry in July that we worried that the spring was going dry and there was talk of shutting down the water to the swimming pool. But with all the warm weather not so much wood was used but the supply of chestnut is getting low and there won't be much left for next year. I still like this work and Bob and I had a good summer together. I'd like to wish all the folks well, especially those that weren't here this summer and hope they'll get a chance to come back sometime."

PUGH'S PENPOINTS

'Tis hard now to remember all of the small items which made the summer at the Lake a great adventure. Guess I should have done this as we went along but maybe these few words will bring back fond memories.

The night St. George (not the dragon) caught the 5 lb. 10 oz. fish. True! It was delicious. Woody and the trilobite or the roadrunner. It (the roadrunner) was a site to see. Grover with the moth in his ear. Maybe now Pat will keep him in the house. How about the orgy, Lois? Too bad we weren't invited. Maybe Ted or Bill P. could add something. As usual romance flourished. No need to name names, the bells will toll. The big party at Chapman with Astrid running the poker table. The Madam, excuse me, Mother was a little shocked wasn't she, Woody? How about Grandmaw J. doing the dirty boogie with St. George. Should all have seen Dr. Sam wielding the paint brush. Still that corner of La masion Maphis doesn't look too bad.

A few thoughts: the Hodgsons in caves; the R's cocktail party; the Graefs at bridge; Mrs. Cole supervising the mess hall paint job; 4th of July party on Schweinitz porch; popcorn at the Peightels; wind rock with the Waltons; applesauce from Ame (rock 'n roll lover); the dam for Dr. Lewis; a new red jeep for the Cleavelands; a few new gals for Don; Art on the volleyball court; the boys and the cans; Paul and father; the fish in the swimming pool; Farinholt's moonlight swim; Byrd on the pole; Edward in Ivy Leagues sweeping the lab; the Millers and Archies; Dr. R. and the new shade in S. Elliot; the Etges at badminton (cold summer!!!); Dr. Kennerly and the back room jokes; Dr. Hobbs and the Bermuda shorts (don't sigh girls); Ed Daly in the swamp water; Lundquist and poison ivy; Lois' cold; Bob G. playing pingpong; and on it goes. Yours truly still has a red glob to remind her of that wasp. Have a nice winter - see you next summer.

Pugh

DIRECTORY

1957

- Miss Margaret Sue Anderson; 1517 Norcova Ave., Fox Hall; Norfolk 2, Va.
Mr. James E. Barefoot; Alum Bank, Pa.
Miss Mary V. Beard; Route 1; Linville, Va.
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Dr. and Mrs. Arthur C. Cole, Jr.; Dept. of Entomology; Univ. of Tenn.;
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Dr. Edward S. Deevey; Osborn Zoological Laboratory; Yale University,
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Dr. and Mrs. Frank J. Etges; Dept. of Zoology; Univ. of Cincinnati;
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Mr. Lewis E. Harvie; 134 Broad Street; Danville, Virginia
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Mr. Shoji Horie; Hall of Graduate Studies; Yale Univ.; New Haven, Conn.
Mr. Henry W. Huffnagle; 206 S. Church St.; Quarryville, Pennsylvania

Miss Rose Mary Johnson; Carrollton Apartments; Jefferson Park Ave.;
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Mr. John Ackland Jones; Palatka, Florida

Mr. Thomas Jones, Jr.; 321 Williams Street; Charlottesville, Virginia

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Mr. Harold R. Milliken; New Market, Virginia

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Mr. and Mrs. William E. Peightel; Apt. 12; Gro-Mar Apts.; R. D. 3;
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Dr. and Mrs. Gerald W. Prescott; Dept. of Botany; Michigan State Univ.;
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Miss Jean E. Pugh; 315 60th St.; Newport News, Virginia

Dr. and Mrs. Hope T. M. Ritter; Dept. of Biology; Lehigh University;
Bethlehem, Pennsylvania

Dr. Catherine M. Russell; Dept. of Microbiology; U. Va. Medical School;
Charlottesville, Virginia

Mr. O. P. Sadler; Buckingham, Virginia

Miss Jane Sewall; South Bristol, Maine

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Mr. W. W. Tingle; 117 Upland Road; Blacksburg, Virginia

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Miss Margaret Walton; 1116 E. Main Street; Danville, Virginia

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Mr. Curtis Woodfolk; 204 Dice Street; Charlottesville, Virginia