

MOUNTAIN LAKE ECHOES



Vol. 15

1952

MERRY CHRISTMAS

THE MOUNTAIN LAKE ECHOES

1952

Editor: Grace T. Wiltshire (Mrs. James W.)

Art Editor: Lucile Walton

THE SEASONS GREETINGS!

It is with real pleasure that I send you echoes of the 1952 session. Mrs. Wiltshire has done an excellent job of focusing on the high lights of the summer. Indeed it seems as if she spent much time in her black blind pointing her camera at things other than birds, and making recordings of events as they happened. Many thanks also to Miss Walton for the lovely cover, and to the teacher of printing in the Danville High School and his boys for printing it.

Twenty-seven students and fifteen investigators were in attendance. These came from ten states and thirty-six educational institutions.

Next session courses will be offered in: Acoelomates, Arche-gonates, Bacteriology, Cell Morphology, Entomology, Plant Ecology, Plant Morphology, and Radiation Biology.

With best wishes, and hoping you will be with us again next summer

Director

GREETINGS TO ALL MOUNTAIN LAKERS! A VERY MERRY CHRISTMAS TO YOU!

The season of 1952 marks the Twenty-Third session of the Biological Station of the University of Virginia. The first term, June 12--July 16, and second term July 17--August 20, 1952, were in many respects the most successful in the history of the station. The hours spent in research, studying, field trips, and sports were filled with happiness while acquiring knowledge and proficiency. The weather was pleasant, with warm sunny days and little rain.

We wish to thank the Director and the members of the Executive Committee of the Biological Station for the privileges and opportunities of study and research afforded those attending the Station.

My New Year's wish is that your memories of Mountain Lake are joyful and that many more summers of happy and profitable work on the mountain top may be yours.

Editor

IN MEMORIAM

Miss Edna Turpin: Born July 26, 1867; Died June 7, 1952

"Trust God, see all, nor be afraid."

Game to the end, Miss Turpin died after a lingering and painful illness without complaint or repining. After graduating at Hollins she taught school for a while, but most of her active life was spent as editor for Macmillan and then as a free lance author. Her many books included stories (the scene of "Treasure Mountain" was laid at Mountain Lake) and histories in which wars and dates were subordinated to an account of the people, how they lived, what they thought, and how they used or abused the natural resources of our country.

The love of her life was Mountain Lake, its people, its countryside, and its history. She came each summer for over fifty years, at first at the hotel, then for fifteen years at Harriot Cottage, which she had built in 1936. She knew every trail, every mountain family, many of the mushrooms and most of the wild flowers in the vicinity. She once walked to Blacksburg and again to White Sulphur. One of the great satisfactions of her declining years came when Mrs. Wiltshire took her and the Flaggs over a hair-raising mountain road to Gap Mills, where she saw the lady at whose home she had rested twenty-five years before.

Miss Turpin had flavor. Kindly herself, she expected and got from others the kindness she was willing to give them. She had an incisive mind and a tongue that could be sharp. She liked to boss people and would occasionally pout when her plans went awry. She took great pride and pleasure in Harriot which she lined with cedar from her family home, "Echo Hill" in Mecklenburg County.

Her small figure, familiar to many generations of Mountain Lakers, will be missed around the grounds and in the dining room. Her old friends mourn her passing.

Ivey F. Lewis

PROJECTS

July 14 and 15 were high-light dates in the physical projects of the Station. The state road crew arrived with air drill, trucks, and other equipment and under the able direction of Dr. Reynolds completed what appeared to be an unsurmountable task. Large boulders were blasted from the newly cut roadway--the only casualty reported being the Station's weather thermometer--the thermometer hit a new low for the summer when a small stone flew straight as an arrow from a blasted rock and smashed completely the inner mechanism. New parking signs now direct the Station guests to a spacious parking area behind the laboratory. The newly constructed gravelled roadway continues behind Catesby, Harriot, Clayton, LeConte, Banister, and joins the previous service entrance to the Dining Hall. Special parking areas for the cars of each cottage have been made available for the convenience of the Station members. The new road encircling the Station buildings will serve as a fire lane in case of forest fires, as well as being a most convenient improvement.

The "black war-surplus revival tent" housing the wood at the woodpile has been replaced by two garages converted as a wood shed which will house dry wood for the cottages throughout many a rainy season. Breath-taking scene--10 strong "he-men" carrying roof "in toto" to new location. Joys of a summer evening--dry crackling chestnut logs on an open fire!

A new trail was blazed from Moonshine Dell to Bear Cliff; one can now travel along the old route to Bear Cliff and return over the new trail via Moonshine Dell. Former trails to Twin Springs, Rattlesnake Rock, Man's Finger, Hyde Park, and Rovelli Rock were reopened. Special recognition goes to trail blazers Reynolds, Burns, Smart, Whitford, Will, Wiltshire, Pitts, Eurich, Fite, Dowling; not to be overlooked was Nancy Groseclose's briar clipping, Micky Bogert's willow cutting, Inez Shirley's and Peg Walton's ever ready support.

THE ROCK GARDEN

The newly developed Rock Garden begun in the summer of 1951 is fast becoming one of the centers of interest on the Station grounds. Visitors linger with admiration over the yellow and purple fringed orchids, yellow and pink lady's slippers, the three kinds of lilies-- Canada, Turk's Cap, and Wood, and other rare plants. Appreciation is expressed to the Director, Dr. Reynolds, to Dr. Burns, to Dr. Lewis and all other Station members who are ever on the alert on trails for rare plants of the Mountain Lake area in order that they may be enjoyed in the Rock Garden. Dr. and Mrs. Burns gave so many hours to the garden that it should rightly be called "Burnside".

The Rhododendron on the grounds had the heaviest and most beautiful bloom of any past summers. A special project of removing young fruits after the flowers had faded by members of the Station assures a heavy bloom for next year.

HIGH LIGHTS OF THE SUMMER

The visit of the press representative from The Roanoke Times and the arrival of the Sunday July 21 Edition giving a full-page to scenes of the Station and an excellent article entitled "Scientists Spend Summer in Research at Mountain Lake Biological Station".

An old timer Dr. John H. Davis from the University of Florida came up with Mrs. Davis for a two weeks stay and began work on a manuscript for a book about the history, geology, and biology of the Mountain Lake area. This project is planned as a popular type description for use by the general public. It will contain short articles about all the main groups of animals and plants and some of the geology but it will not attempt to present detailed information or give complete lists of the fauna and flora. However, if the book is completed by the cooperation of a number of specialists it will have much information in summarized form that will aid the students and investigators in getting a comprehensive opinion of most of the natural history and some of the human history of this area and the adjacent valley and ridge region of Virginia. All persons who have any ideas to lend for this book are invited to write the Director and make suggestions or give information. After this popular style work is done it is hoped that a nearly complete scientific monograph may be compiled that will more thoroughly consider all the biology and geology around the Biological Station.

The visit of the class from the Virginia Fisheries Laboratory with Mr. William Massamum; they joined the "fish class" taught by Dr. Rainey for an all-day trip to the Roanoke River. Surprise registered by Station members when we learned a total of 36 species including 8 kinds of suckers were caught and identified in a short stretch of a few hundred yards in the Roanoke River.

Ninety members of the Virginia 4-H All Stars visited the Station under the direction of Mr. W. A. Turner. They were conducted on a tour of the Station grounds and shown the facilities for scientific research.

THE PLANNING COUNCIL

One of the most democratic features of Station life day-by-day is the weekly meeting of the Planning Council in the Rose Room of the Laboratory. The Planning Council is composed of the Staff members, the Senior Investigators, a representative elected from the Junior investigators--Fulton Fite for 1952; a representative

from the women students--Dorothy McMeekin; and a representative from the men students,--Phil Graef for first term, Chipman for second term. Suggestions and criticisms for the welfare of the Station members are pooled, and plans outlined for the weekly activities. Every representative has a voice in the planning, resulting in many excellent suggestions. This is largely responsible for the fine cooperative spirit which prevails among the Station members.

TOPICS AND LECTURERS

- June 12 ---Dr. W. W. Cort--Johns Hopkins University, Baltimore, Md. "Biological Stations".
- June 17 ---Dr. R. K. Burns--Carnegie Institution, Baltimore, Md. "Experimental Reversal of Sex Differentiation in the Opossum Embryos".
- June 25 ---Mrs. Grace T. Wiltshire--Randolph-Macon Woman's College. "Birds of the Mountain Lake Area".
- July 1 ---Dr. Robert F. Smart--University of Richmond, Richmond, Va. "Some Special Adaptations in Fungi for Spore Discharge and Dissemination".
- July 3 ---Dr. R. D. Ross--Virginia Polytechnic Institute, Blacksburg, Va. "Some Methods in Taxonomy".
- July 7 ---Dr. Hiden T. Cox--Virginia Polytechnic Institute, Blacksburg, Va. "Anatomical Investigations in the Ericales".
- July 9 ---Dr. Edward C. Raney--Cornell University, Ithaca, N.Y. "Problems in the Distribution of Eastern Fresh-water Fishes".
- July 11 ---Dr. Perry C. Holt--East Tennessee State College, Johnson City, Tenn. "Generic Relationships in the Family Branchiobdellidae".
- July 22 ---Dr. John H. Davis--University of Florida, Gainesville, Fla. "Natural Features of New Zealand".
- July 24 ---Dr. Homer C. Will--Juniata College, Huntingdon, Pa. "Embryology of the Saw-Fly".
- July 29 ---Dr. L. A. Whitford--North Carolina State College, Raleigh, N.C. "Dominant Phytoplankton in Fertilized and Unfertilized Ponds in North Carolina".
- July 31 ---Dr. Grover C. Pitts--University of Virginia, Charlottesville, Va. "A Quantitative Basis for Gross Anatomy".

August 5 --Herman G. Brant, Cumberland, Md. "A Study of the Cysts of Colpoda steini"

Fulton W. Fite, Muskogee, Oklahoma. "Observations on a Species of Dorylaimus Parasitic During the First Larval Stage in the Pharyngeal Wall of a Triclad, Planaria dactyligera".

August 7 --Inez O. Shirley, Gaffney, S.C. "The Effect of Iodine on Amphibian Metamorphosis".

Peggy Walton, Danville, Va. "Millipedes".

August 12 --Dr. Herndon C. Dowling, University of Arkansas, Fayetteville, Ark. "The Distribution and Relationships of the Mexican Ratsnake".

August 14 --Charles M. Bogert, American Museum of Natural History, New York City. "Evolution of Endothermy in Vertebrates".

GRADUATES

The following Mountain Lakers received a Master's Degree from the University of Virginia on August 16, 1952:

Margaret Walton, Danville, Va.

Inez O. Shirley, Gaffney, S.C.

Herman G. Brant, Cumberland, Md.

Fulton W. Fite, Muskogee, Okla.

A surprise came to the candidates after completing their orals when at supper on August 10 a toast was given to them in the following lines:

To Herman Brant-----by Peg Dowling

Our Volley Ball Hero is Brant
Who on Ciliates does rant
Although the Colpoda may build a pagoda
His Privacies of Life are still scant.

To Fulton Fite-----by Chuck Bogert

There was a young lad, Fulton Fite,
Who worked on his worms day and night,
He said, "It is plain that I must ascertain
Whether the worm turns left or to right."

To Inez Shirley-----by Bill Neimeyer

Here's to a girl who gets her degree
Bridge is her game as anyone can see
On which she worked harder is a question to be
Answered only by Inez Shirlee.

To Peg Walton-----by "Coky" Pitts

There was a young girl named Peg
Whose thesis had more than one leg
Tho repugnatorial glands get all over her hands
She's still a mighty good egg.

THINGS I REMEMBER 1952

Hot rolls, corn-on-the-cob, canteloupes, watermelons, pancakes on Sunday mornings, and all the good food planned by Mrs. Bates our efficient dietitian. May she be persuaded to spend many more summers at the Station. ---

On July 28 the all-high record temperature of 89.6 degrees F. broke all records in the Station's history. An all-low record on July 14 (see information under projects). ---

The Sunday "Sings" at Castle Rock, Moonshine Dell, around the Camp Fire with marshmallows in the Salt Sulphur "amphitheatre". ---

The Republican and Democratic Conventions! Many hours at the radio, with some of the Station members bleary eyed from hours of television at Blue Jays, the care-takers' house. The high moments of the morning session always coming as the Lunch Bell rang. --- Mrs. Reynolds missing lunch to get Taft nominated! ---

The eventful trip to Barney's Wall to see the Duck Hawks. Hail and rain deluged the water-soaked aspirants on the first attempt but the second trip was highly successful. ---

Two cars of eager "reptile hunters" headed by Dr. Reynolds and the herpetologists Chuck Bogert and Herndon Dowling spent an afternoon searching for a rattlesnake den reported on John's Creek Mountain. Returned empty handed, "re-gusted", weary worn! ---

Woods in June enroute to Bear Cliff and Bald Knob defoliated by the ravages of caterpillars, but nature's terminal and adventitious buds coming to the rescue and presenting a spring-like appearance in July. Wanted an entomologist to gain fame for their destruction! ---

The ever fascinating zest for bringing in a timber rattler! Four rattlesnakes, Crotalus horridus, and one copperhead, Agkistrodon mokasen, were captured during the summer. No. 1 by Dr. Smart and family on Salt Sulphur Road; No. 2 by Don Gordon on the Twin Springs Trail; no. 3 and 4 by Dr. Herndon Dowling demonstrating the two color phases, the yellow and the black phase found at Mountain Lake; no. 4 was caught when a party went out to get copperheads and brought back the black-phase rattler--the first time anyone going out to get a viper brought one in! The

only copperhead was brought in by Jim Wiltshire. ---

One of the four meta-sequoia's presented and planted by Dr. Cleveland from the Arnold Arboretum several years ago promoted to new growth by removal to a new locality and careful nurturing by Dr. Lewis and Dr. Smart. Mountain Lakers this is a rare item--the species was known in fossil form but believed to be extinct, about a hundred specimens were found on a ridge north of Peiping--seeds were sent over and planted--four of the seedlings were brought to Mountain Lake by Dr. Cleveland and planted at the Station. ---

First report of Winter Wren, Nannus hiemalis, heard by Dr. Burns singing June 14 on White Pine Lodge Road, later seen in same area, last heard singing by Mrs. Wiltshire on July 28. Yellow-bellied flycatcher and magnolia warbler, both rarely seen in Mountain Lake region, located on same road. Veeries have moved in closer to the Station and were heard singing daily near John Clayton. ---

GIFTS TO STATION

The Station was most pleased to be the recipient of several gifts during the past year:

Upon the death of Miss Edna Turpin, The Harlot, remembered by Mountain Lakers as the cottage of Miss Edna, reverted to the Station. With the cottage she presented its attractive furnishings, including a picture of the cottage which now hangs in the foyer of the Laboratory.

The picture gallery in the Rose Room of the Laboratory has been added to by the following gifts: An oil painting of Flowering Raspberries painted by Mrs. Cox, mother of Dr. Hiden T. Cox of Virginia Polytechnic Institute.; Lucile Walton's water colors of pink Lady's slipper and tradescantia; Indian pipe and Fire Pink by Susan Smith.

LIBRARY

Marjorie Carver of the Alderman Library spent two weeks at the Station rearranging and cataloging the books and reprints. The local library was under the direction of Mrs. Helen Peightel who has continued the good work of cataloging and rearranging the books and reprints. Reprints are continuously sent as they come from the press by many of the leading scientists.

SPORTS 1952

Volley-Ball was the game of the season! Hurrying from the dining hall every evening nearly half the Station made a bee-line for the volley-ball court. Loud were the shouts echoing over the hills as the famous boy versus girl battle was fought. Star players--Jesse Thompson and Ute Busemann! The cheering squad of spectators often groped from the games in total darkness!

Tennis, Badminton, Pingpong, Horseshoes, attracted groups of players as well as on-lookers. Double tennis matches between Dr. Reynolds and Ben Johns versus Dr. Holt and Rommie Moore. Our champion player Rommie invited to the hotel for matches with Rosine!

Croquet, continues to have an increasing fascination for young and old. A new set of mallets and balls added zest for the professionals.

Swimming--The Schoew Swimming Pool was never more popular than during the summer of 1952. During the continuous June and July heat when the nation was sweltering, Station members flocked to the pool as soon as classes were over and lingered long and leisurely. The wading pool for the children likewise was a popular spot with Kathy and Neil Woolcott, Donny Rainey, Susie Holt, the three well-behaved Burke boys, Jeff Pitts, Claudia Dowling, Jeff and David Whitford in a daily "aqua-show". See the Station Kodachromes for a Sunday Morning gala occasion with Betty Cox and Tucker Smart at the apex of the water pyramids!

SOCIAL EVENTS

Dr. and Mrs. Bruce Reynolds entertained the members of the Station at a watermelon party on July 4 in front of their cottage, Walter Reid. A "sumptuous feast" and fun galore--Dr. Singer starting the watermelon "face washing" by spitting the first seed and the fun ended with the fire hose being turned on "Poppy".

The Annual Open House of August 8 was a delightful social event. Approximately one-hundred guests from far and near joined the members of the Station for an afternoon of fellowship and information. Committees composed of every member of the Station had worked zealously in preparations for the Open House and when the arriving guests began filling every available space in the new parking area behind the auditorium we all felt fully rewarded for our labors. The laboratories held interesting exhibits of flora and fauna collected by the students and investigators. The staff and investigators were presented to the guests by Dr. Reynolds in a brief session in the auditorium after which refreshments of cookies and punch and hotsassafras tea were served on the Dining

Hall Porch. When the last goodbyes were said it was with a feeling of pride that the Station members proclaimed the 1952 Open House a wonderful success.

The informal cottage parties are features of Mountain Lakers long to be remembered. Professors and their wives who entertained their classes were Dr. and Mrs. Robert Smart, Dr. and Mrs. Ed. Rainey, Dr. and Mrs. Perry Holt, Dr. and Mrs. Reynolds. Many visitors and guests were entertained at the after-lunch coffee parties of the Waltons and the Wiltshires.

The Saturday night Square Dances proved ever popular under the able direction of Johnny Burns who called the figures. The Station entertained guests from the hotel several Saturday nights and likewise accepted the invitation of the Mountain Lake Hotel to dances.

SEEN AND HEARD

The chain reaction--Chipman awakens at 6:30 A.M. thinking its 7:00 A.M.--wakes up Johnny Burns, who disturbs Fulton who in turn goes to cell block, wakes up Bill Neimeyer, whose duty is to wake up Mel, he knocks on Garth's door, who in turn wake up the Johns! All rush to breakfast when the 7:00 o'clock rising bell rings!--Jean's famous words in the morning "they didn't give us five minutes between those bells".--the best sport of the summer--Judy Brooks who breaks her arm on the rocks at the Lake but ended up with 56 signatures on her cast!--Ute Busemann trying to identify a certain spider under her microscope and it turns out to be her eyelash!--Little Jeff Pitts enroute to Mountain Lake kept saying he wanted to get there and play with Gene, after repeated sayings his Mother inquired "Who is Gene?" It turned out to be Gene (Dean) Ivey Lewis!--Nancy Groseclose's famous saying as told by the Hydrobiology class on an all-day field trip, "I know there was a pool around here" (summer drought had dried up all of Nancy's sure bets!--Chuck's remark--"We know the truth about the Ruths"--Was it true that Sam Fitz was dancing with the ash-tray when the lights went on at the hotel square dance?--Sophisticated gentleman Mel Rose saying that all the good-looking women were married!--The visitor inquiring who was the good-looking blonde head waitress with finesse!--Dr. Reynolds next to Marion at square dance and accidentally (?) bumping into her--Little Kitty Garth gets her teeth and learns to walk and celebrates her first birthday with birthday party--youngest Station member, Mary Page Johns, age six weeks, a perfect little gem!--

Random meditations of students: What Professor would you recognize by the following during 1952?--"that would make you sit up and slap your grandma!"----"under the biggest rock you find the biggest crayfish and on the biggest crayfish you find the biggest Branchiodbellids"----"various and sundry"----"Thats our

meat, hey baby, nice fish!"---"I was once described as the sophisticated elderly statesman"---"I don't know, I can't remember the authority, incidentally, by the way"---

At a moment of Mountain Lake idleness, Dr. Burn's whip-poorwill "whipped" 803 times in early morning hours of dawn-- Tragic moment, yellow jacket stings Herman Brant on eye just before his seminar talk and delays studying for Master's orals-- Found by Pat Bogert a gigantic puff ball Lyconodon, approximately 14 inches in diameter, in cave area near Sinking Creek, called by a Virginia biologist "Nature's greatest reproductive effort."

ALUMNI NOTES

Marjorie Carter, Herman Odell, and Rick West received the Doctor of Philosophy degree from the University of Virginia in June 1952.

The many friends of Dr. Jake Williamson were distressed to hear of his death.

Dr. Sam Shoupe, Dr. Jim Dent, Dr. Bob Brumfield, Dr. Jo Bridgeman, Bob Amy and Arthur Burks were at Oak Ridge during the summer.

Vivian Farlowe is teaching at Wells College, Aurora, New York.

Charlotte Buckland received an Advanced Post Graduate Certificate in the state of Florida.

Maggie Thurman and Ray Pennington were married in June (another Mountain Lake romance). Maggie is teaching at Converse College in Spartanburg, South Carolina.

Dr. Bruce Reynolds is the president-elect of the Association of Southeastern Biologists.

Dr. Paul Patterson is the retiring president of the Virginia Academy of Science.

Dr. Ralph Hostetter is the president of the Virginia Society of Ornithology.

Dr. Sam Meyer is the Executive Secretary of the A. I. B. S.

Dr. L. R. Cleveland collected at the Station in April.

Mr. and Mrs. Clifford Pope collected in Mexico during the summer.

INTERESTING SUMMER VISITORS

During the summer there were a number of Biologists and guests who visited the Station adding much to the pleasure and information of the Station members:

Dr. and Mrs. W. W. Cort, Johns Hopkins University, who were enroute to the Michigan Biological Station.

Dr. Kitty Ponse, Director of the Geneva Biological Station, Geneva, Switzerland.

Dr. Ronald Singer, University of Cape Town, South Africa, in research at the Carnegie Institution and Johns Hopkins University; he gave an interesting lecture of general information on South Africa and the scientific work being done in that area.

Dr. and Mrs. Marko Zalokar, National Institute of Health, Bethesda, Md.

Mr. Charles M. Bogert, American Museum of Natural History, New York visited the Station in June enroute to Mexico on a collecting expedition. He returned to the Station in August and joined Mrs. Bogert and their two daughters for the remainder of the term.

Dr. and Mrs. Dan L. Nutting, Harvard Biological Laboratories.

Dr. and Mrs. Richard Stevenson, East Tennessee State College, Johnson City, Tenn.

Dr. William McGill, State Geologist, University of Virginia.

Senator and Mrs. L. C. Bird, of Phipps and Bird, Richmond, Va.

Dr. J. K. Roberts, University of Virginia.

Dr. J. E. Copenhaver, Hartsville, South Carolina.

Miss Grace Smythe, Museum of Charleston, South Carolina

Dr. R. F. Kimball, Biology Division, Oak Ridge National Laboratory, Oak Ridge, Tenn.

Dr. James N. Dent, University of Virginia, and Oak Ridge Laboratories.

Mr. and Mrs. Thomas Knepp and family, Strousburg, Pa. Mr. Knepp is the Naturalist at Buck Hill, Falls Inn, Pa. in the summer and showed kodachromes of scenes in the Poconos on August 10 after the Sunday Sing. On August 11 he spoke informally on Sex

Education in High Schools based on teaching experience in the Strousburg High School.

Mr. and Mrs. Herbert B. Nichols, Washington, D.C., with the Geological Survey, Department of Interior.

Mr. and Mrs. Thomas R. Henry, Washington, D.C., of the Washington Star.

Mr. W. H. Wranek, Jr., University of Virginia.

Numerous friends from V.P.I. and the Mountain Lake Hotel came on several occasions for the evening Seminars, some of whom were: Dr. I. D. Wilson, Dr. and Mrs. W. L. Threkheld, Dr. and Mrs. A. B. Massey, Dr. and Mrs. Fred Orcutt, Dr. and Mrs. Hiden Cox, Dr. and Mrs. W. B. Bell, and a number of V.P.I. students.

IN ATTENDANCE

1952

Amy, Robert L., Susquehanna University, Selinsgrove, Pa.
Bates, Myrtle A., Virginia Episcopal School, Lynchburg, Va.
Beckner, Marian E., 412 Westover Blvd., Lynchburg, Va.
Bogert, Charles M. and family, American Museum of Natural History, New York City
Brant, Mr. and Mrs. Herman G., 215 Arch St., Cumberland, Md.
Burke, Mr. and Mrs. Jack D., Longwood College, Farmville, Va.
Burns, Dr. and Mrs. R. K., 2115 Kelly Avenue, Baltimore 9, Md.
Burns, John M., 2115 Kelly Avenue, Baltimore 9, Md.
Busemann, Ute C., 18 E. Southhampton Ave., Hampton, Va.
Carlos, Peggy, 1810 Ponce de Leon Avenue, N.E., Atlanta, Ga.
Carver, Marjorie, Alderman Library, University of Virginia, Charlottesville, Va.
Chipman, Robert K., 405 Coolidge St., Chapel Hill, N.C.
Cox, Dr. and Mrs. Hiden T., Dept. Biology, V.P.I., Blacksburg, Va.
Davis, Mr. and Mrs. John H., Dept. Biology, University of Florida, Gainesville, Fla.
Dofflemoyer, Jean, 512 Rugby Road, Charlottesville, Va.
Dowling, Dr. and Mrs. H. G., Dept. Zoology, University of Arkansas, Fayetteville, Ark.
Eurich, Charles R., State Teachers College, Shippensburg, Pa.
Fite, Mr. and Mrs. F. W., Apt. 12, Milledge Circle, Athens, Ga.
Fitz, E. S., Hanover, Pa.
Garth, Mr. and Mrs. R. E., Dept. Biology, Emory University, Ga.
Gordon, Donald, 5240 Davis Road, S. Miami, Fla.
Graef, P. E., N-7 Carolina Apts., Brandon Ave., Charlottesville, Va.
Groseclose, Nancy, 704 N. Main St., Blacksburg, Va.
Heffner, Mr. and Mrs. Robert S., Hustontown, Pa.
Holt, Dr. and Mrs. Perry, E. Tennessee State College, Johnson City, Tenn.

Johns, Mr. and Mrs. B. I., 611 Beverly Drive, Alexandria, Va.
 Kanner, A. V., 4510 Wentworth Road, Baltimore 7, Md.
 Knepp, Mr. and Mrs. T. H., 706 Scott St., Stroudsburg, Pa.
 Lewis, Dean and Mrs. I. F., 1 East Lawn, University of Virginia,
 Charlottesville, Va.
 McMeekin, Dorothy, 312 Abington Ave., Glenside, Pa.
 Meredith, Mary L., 501 Virginia Ave., Front Royal, Va.
 Moore, Rommie, Box 201, Bassett, Va.
 Needy, Charles F., Rouzerville, Pa.
 Niemeyer, A. B., Jr., 309 Letcher Ave., Lexington, Va.
 Peightel, Mr. and Mrs. W. E., Martinsburg, Pa.
 Pitts, Dr. and Mrs. G. C., 412 Monroe Lane, Charlottesville, Va.
 Raney, Dr. and Mrs. E. C., Dept. Conser., Cornell University,
 Ithaca, N.Y.
 Reid, Gloria, Box 140, Lynnhaven, Va.
 Reynolds, Dr. and Mrs. B. D., 1515 Dairy Rd., Charlottesville, Va.
 Rose, Melvin M., Clymer, Pa.
 Ross, Dr. R. D., 404 Progress St., Blacksburg, Va.
 Runyon, Ruth, 144 Garland Ave., Decatur, Ga.
 Shirley, Mrs. Inez, 804 Palmetto St., Spartanburg, S.C.
 Smart, Dr. and Mrs. R. F., Box 108, U. Richmond, Richmond, Va.
 Thompson, Mr. and Mrs. Jesse C., Jr., Copeley Hill, Charlottesville,
 Va.
 Walton, Lucille, 1116 E. Main St., Danville, Va.
 Walton, Margaret, 1116 E. Main St., Danville, Va.
 Whitford, Dr. and Mrs. L. A., Dept. Biology, N.C.S.C., Raleigh, N.C.
 Wills, Dr. and Mrs. Homer C., Juniata College, Huntingdon, Pa.
 Wiltshire, Mr. and Mrs. J. W., 2949 Rivermont Ave., Lynchburg, Va.
 Woolcott, Mr. and Mrs. W. S., Box 375, Jefferson City, Tenn.