



## Two Large Projects Are Under Way Hiwassee Dam Naval Ordnance Facility

The Naval Ordnance Laboratory Experimental Facilities at Hiwassee Dam, 24 miles from Murphy, is a unique establishment which started in 1942 as a two weeks test operating from a trailer housed laboratory. It has continued to work and grow without interruption. It at present has a staff of 32 people, including: Scientists, engineers, administrative personnel, craftsmen, a nurse, guards and laborers. There are 14 buildings, which include an administrative office with a well equipped photo lab, a wood-working shop, machine shop, electric shop, tool room, garage and an electronic laboratory.

The work done by the Experimental Facilities quickly proved its value to the Laboratory at White Oak. It had an important part in the development of the Mk 9 depth charge carrying on the stability tests to establish the maximum size of charge which can be used without seriously effecting the underwater stability of the weapon. A large portion of the field development and evaluation of the Mark 14 depth charge was done at Hiwassee between 1942 and 1945. Another big job involved a series of tests on depth charge pistols to determine the effects of sub-zero temperatures on K-gun launched depth charges. For this job a two-story floating laboratory was specially constructed to provide proper height above water level for launching the depth charge.

At the present time there are two main projects under way. A new type of depth charge has been undergoing a series of tests for months. The second long range job involves tests on fuses for another of the new underwater missiles. In addition there are always many special jobs which are brought down from the Naval Ordnance Laboratory from time to time.

The NOL Experimental Facilities has an ideal location. Hiwassee Lake, formed by the huge Tennessee Valley Authority Dam is over 250 feet deep and 20 miles long. It is clear, still, fresh and relatively calm so that tests can be readily carried on. The shores around the lake are steep and heavily wooded and the lake itself while outstandingly beautiful is little used by vacationists. Taking advantage of this natural situation, the experiment station has added its own facilities. A rocket launcher has been located at the top of one of the steep hills overlooking the lake. A float launching tower has been constructed on a raft to provide for steep angle water entry tests. A floating laboratory, several rafts and a floating boat house eliminate the problem of seasonal changes in water level. A huge steel-mesh net was constructed on cables so that it could be lowered into the water or pulled up on shore. This net can be lowered into the target area before a missile is fired and is then pulled up on the shore to provide easy recovery of the missile for study. A large Helmholtz coil is located in the test area of the lake. This allows the magnetic fields of ships or submarines to be simulated so that tests can be performed on influence fused missiles. The newest test facility is a special cable now being tested for guiding the course of experimental rocket launched missiles. This, if it proves satisfactory, may be a substitute for the rail launchers used at present in various testing facilities. The Experimental Facilities has always been proud of its ability to meet any problem that is given to it. The ingenuity of the station personnel in developing new test facilities to meet unusual problems in the field testing of the new weapons has done much to speed up the development of various pieces of ordnance at the White Oak Laboratory.

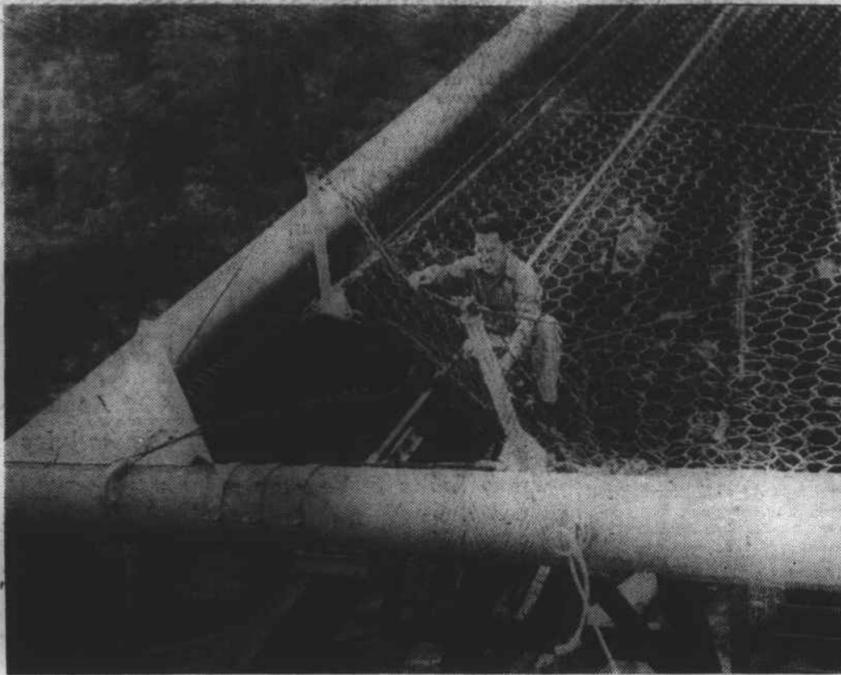
### Morris' Sermon Subjects Listed

Sermon topics of the Rev. J. Alton Morris at First Baptist Church Sunday are: 11 a. m. "One Chosen," and at 8 p. m., "A Call For All." Sunday School will be at 9:45, Bealton Mission service at 2:30, and Training Union at 7 p. m.

Monday, Elizabeth Hale Circle will meet at 7:45 with Mrs. B. B. Cornwell, Jr.; Ruth Bagwell Circle at 7:30 with Mrs. M. L. Williams. Tuesday, Ruth Swan Circle will meet with Mrs. Clifton Mills at 8 p. m.

### Presbyterian Services Listed

Announcement has been made that Bryan Hatchett will preach Sunday at the Presbyterian Church at 11 a. m. and 7:30 p. m. On the following Sunday, the Rev. R. E. McClure, D. D., executive secretary of Asheville Presbytery, will preach.



A CORNER OF THE HUGE NET used by the Naval Ordnance Laboratory Experimental Facilities at Hiwassee Dam to provide easy recovery of underwater missiles being tested. Joseph L. Cassidy,

Jr., an engineer at the station checks the links to be sure the net is in good condition before lowering it into the water.

## Large Crowd Hear Governor Kerr Scott

A large crowd attended the traditional cornerstone laying ceremony of the Andrews Primary school building by Gov. W. Kerr Scott on Wednesday. The Governor also addressed the school children, faculty and public in attendance.

The intricately inscribed stone is of native Regal Blue marble, a gift by the Columbia Marble Company of Marble. Within the masonry of the cornerstone is a box containing a Bible, coins of the year, a newspaper and relics.

Following the invocation by the Rev. James A. Allen, pastor of the Methodist Church, John E. Ruffy, Superintendent of Schools, gave a welcoming address. Special guests were introduced by Mayor Percy B. Ferebee.

Mrs. G. W. Cover, chairman of the School board, introduced the Governor. Following the Governor's address a prayer of dedication was given by the Rev. J. A. Richardson, pastor of the Baptist Church. The Governor then laid the cornerstone. The Rev. A. B. Lovell, pastor of Marble Baptist Church, offered the benediction.

The group of South American students who are taking a ten-day course at the John C. Campbell Folk School will complete their work on Saturday and go to Gatlinburg, Tenn., and Berea, Ky., before returning to their countries.

### Murphy To Manteo Motorcade To Start Here On Monday

The Crusade for Freedom will be emphasized in North Carolina next week by a motorcade from Murphy to Manteo, according to Kermit Hunter, promotional director for the crusade. The Motorcade will start from the Square in Murphy Monday at 9 a. m. A short program will be given at the beginning of the motor, and the public is invited to attend.

The Crusade for this year was launched Wednesday night at a banquet in Asheville, when Harold E. Stassen was the principal speaker. Those attending from this county were: Percy B. Ferebee, county chairman, Mr. and Mrs. H. Bueck, Dale Lee, and C. E. Hyde.

### Sale Of Telephone Company Proposed

Last Friday officials of Southern Bell Telephone and Telegraph Co. and Western Carolina Telephone Co. met with town officials and some other interested citizens of Murphy to discuss the proposed sale of the local telephone system by Southern to Western.

Those present expressed their disapproval of the proposal, and since that time, many people have raised a protest. Murphy people express themselves as being pleased with Southern Bell service, and desire that the system be kept in the same hands.

### Winter Session Opens Folk School

The John C. Campbell Folk School will begin its winter session on Monday, September 10, with opening exercises in Keith House at 9 a. m.

Classes in carving, cabinet, maintenance and repair, iron work, weaving and Rural Life will be offered. Interested persons not yet enrolled should contact Howard Kester, Director.

### Byrum Announces Sermon Topics

First Methodist Church, the Rev. R. Delbert Byrum, pastor, announces the following Sunday subjects: 11 a. m., "Rise Up and Walk," and 7:30 p. m., "Marks of Maturity." Sunday School will meet at 9:45 a. m., and Evening Youth meeting at 6 p. m.

Family Night will be held September 12 at 6:30 p. m. in the assembly room of the church. A filmstrip, "More For Your Money," will be shown.

### 4-H's To Exhibit At Dairy Show

Four-H Club members will take eleven purebred Dairy Heifers to the W. N. C. Junior Dairy Show at Asheville next Monday and Tuesday. David Hendrix, Ralph Jordan, Harry Arrowood, James Martin, W. C. Arrowood and Wesley Garrett will show Guernseys. James Crisp and Charles Smith will show Jerseys.

### S. A. Students Leave Saturday

The regular meeting of the American Legion Auxiliary will be held Tuesday at 8 p. m. in the home of Mrs. W. A. Hoover.

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### Free Methodist Topics Announced

Murphy Free Methodist Church, the Rev. C. Z. Miner, pastor, will have Sunday worship at 11 a. m. with the Message, "A Perpetual Sacrifice."

A Spiritual Song-fest beginning at 7:30 p. m. with the Message, "Christ The Way", will follow the Y. P. M. S. service at 7 p. m. Sunday school is at 10 a. m. Prayer meeting will be on Wednesday at 7:30 p. m.

### Twelve To Attend Mars Hill College

The following people from Andrews will attend Mars Hill College, Mars Hill, this fall leaving here next Sunday: Misses Grace Gray, Marjorie Hicks, Betty Mulkey, Sue Hall, Sara Clark, Margaret Marr, Tommy Lunsford, Amy Arrington, Sallie Buchanan, Betty Jean Greenwood, Doris Crawford and George Pullium.

### Mrs. Pullium Gets Magna Cum Laude

At Appalachian State Teacher's College, Boone, Mrs. Ruth Starr Pullium of Andrews recently received her B. S. degree with Magna Cum Laude. Out of a class of 78 there was only two to receive this honor.

### "Nickels For Know-How" Program To Be Explained At Friday Meeting

A public meeting has been called for Friday, September 7, at 8 p. m. for the purpose of explaining the "Nichols for Know-How" voting. This meeting will be held in the County Court Room in Murphy. A. Q. Ketner and G. H. Farley have been named temporary county chairmen of the campaign.

Farm people will soon have the opportunity to vote on whether or not they want to contribute to the support of agricultural research in North Carolina. Machinery for this vote was set up in the enabling act passed by the last legislature. This act provides for a vote by users of feeds and fertilizers on this question: Would you be willing to add one-fourth of a cent to each bag of feed and fertilizer you buy, this contribution to be used in agricultural research for the benefit of farm people?

The Sept. 7 meeting has been called by the County Farm Bureau, and the public is invited. George Farthing, Field Representative for the N. C. Farm Bureau, will be present to discuss the measure and answer questions.

Farm leaders have pointed out that this is an opportunity to get needed research in such fields as poultry disease control, weed control, cures for blight, and crop diseases. Among the accomplishments of the research program over the past few years, are: the development of hybrid corn and cultural practices, which have raised the average yield in the county by about 16 bushels per acre; vaccines for poultry disease prevention, and artificial insemination.

## \$45,000 Defense Bond Quota In Cherokee County

County U. S. Savings Bonds Chairman, W. D. Whitaker announced today that Cherokee County has been assigned a sales quota of \$45,000 for the first U. S. Defense Bond Drive from September 3 through November 13. The quota will be for the combined Series of Bonds, E, F and G.

The purpose of the drive is: To back boys in the Armed Forces, the encouragement of thrift and saving on the part of every individual, the restraint of spending for non-essentials as a means of relieving inflationary pressures and help protect our Nation's economy.

Since the beginning of the national emergency hundreds of young men have joined the Armed Forces from this county. Uncle Sam has enrolled their personal resources to fight communism. They may be called upon to give their lives for their country.

Mr. Whitaker said he was sure that the people of Cherokee County would buy Defense Bonds and exceed the assigned goal to help hold down inflation as well as to deliver a blow to Communism. Nothing could help maintain the morale of the armed forces at home and overseas more than to know that the folks at home are doing their part by buying U. S. Defense Bonds.

"Defense Is Your Job, Too," is the title of a poster for the Drive which is being distributed to industrial plants, retail establishments, and other places. Banks and Savings & Loan Associations are being sent leaflets to mail to their customers in their monthly statements inviting enrollment in the Bond-A-Month Plan.

The chairman called on civic, fraternal, veteran and service organizations to support the Defense Bond Drive through special talks at their regular meetings. He said that farm organizations were backing the Drive among farmers and leaflets and letters were being mailed to rural residents urging investment of crop dollars in Defense Bonds.

The fight against communism isn't fought only in foxholes, Mr. Whitaker stated. It's fought up and down the country roads, the main streets, the city avenues of America. This part of the battle is with economic weapons. This is the battle for the folks at home. Let's all buy Defense Bonds and put Cherokee County over the top.

### Highway Funds Used In County

W. M. Corkill, Division Engineer, reports that Bond Funds have been expended in Cherokee County through the period ending July 31, in the amount of \$825,052.44.



### Pfc. Bobby Cruse Completes Basic

Pfc. Bobby C. Cruse, 18, son of Mr. and Mrs. Forest Cruse of Andrews, has completed his A. F. basic airman indoctrination course at Lackland Air Force Base, the Gateway to the Air Force. He has been promoted from Private to Private First Class.

Lackland, situated near San Antonio, is the world's largest Air Force Base and is the site of the Air Force Basic training for men and women.

Pfc. Cruse is now located at Keesler Air Force Base in Biloxi, Miss., where he is in Radio School. Cruse attended the Andrews High School prior to his enlistment.

## County Fair Dates Are Sept. 24-29

### Baptist Pastors Hold Conference

The Western North Carolina Baptist Association Pastors' Conference met on September 3 and elected the following officers: president, the Rev. Earl Cable; vice-president, the Rev. A. B. Lovell; program chairman, the Rev. J. A. Richardson, Jr.; secretary and treasurer, the Rev. Fred B. Lunsford.

The conference will meet the Monday after the first Sunday in each month at 10 a. m. at First Baptist Church, Murphy.

### OPS REPRESENTATIVE

The OPS Field Service representative will be at the Bryson City town hall Wednesday, Sept. 12, from 1:30 to 4:30 p. m.

The annual Cherokee County Agricultural Fair will be held here September 24-29.

The following department superintendents have been announced. Field Crops, Victor Ellis; Horticulture, J. H. Hampton; Dairy Cattle, A. B. Stalcup; Beef Cattle, W. D. Townson; Sheep, Noah Hembree; Hogs, Bill Stiles; Poultry, Wayne Abernathy; Flowers, Mrs. B. W. Whitfield; Home Products, Mrs. J. H. Hampton; Pantry Supplies, Mrs. J. L. Hall; House Furnishings, Mrs. Bill Gentry; Clothing, Mrs. Clarence Simonds; Handicrafts, Mrs. Clyde McNabb; Natural Resources, Joe Bailey; Girls and Boys 4-H Clubs, Emma Jean Shields.

The directors of the fair are: H. E. Bishop, W. D. Townson, Mrs. J. Franklin Smith, Luther Dockery, Lewis King, C. R. Freed, W. S. Dickey, Glenn Patton.

## Cpl. Claude Sims' Funeral Is Friday

The body of Cpl. Claude T. Sims, who was killed in action in Korea September 5, 1950, arrived in Ocoee, Tenn., this morning, (Thursday) at 6:59 a. m.

It was met there by Ivie Funeral Home and escorted to Murphy by members of the Joe Miller Elkins Post of the American Legion of Murphy.

Funeral services will be held at 4 p. m. Friday in First Baptist Church here with the Rev. J. Alton Morris, pastor, and Chaplain Major Solon H. Couch officiating. A firing squad, the chaplain and a bugler will be sent from an army camp at Rome, Ga. There will also be a delegation from the Robbinsville and Andrews Post present.

The firing squad will be commanded by Elvie H. Holmes, commanding ORC instructor. Dick Haynes will be the bugler. The firing squad is composed of: M/Sgt. Marvin J. Burgess, M/Sgt. Leonard S. Vines, Sgt. James C. Knoles, Sgt. Grady H. Stringer, Cpl. William T. Bowen, Cpl. Ephson Cheatwood, and Cpl. Alvin H. Comer.

Burial will be in Sunset Cemetery. Cpl. Sims was born in Baldwin, Ga., November 5, 1930, went with his family to Jackson County where they lived ten years, coming from there to Murphy.

He attended the Glenville and Murphy schools and was employed with Smoky Mountain Trailways at the bus station here.

He enlisted in the army July 20, 1949, trained at Fort Jackson, S. C., Fort Bragg and Fort McClellan, Ala., and reported to Camp Stoneman, Calif., June 22, 1950.

He was assigned to Japan in July, 1950, with the 24th Division and later sent to Korea, and was the first casualty from Western North Carolina.

He was a member of Camp No. 891 Woodmen of the World, of Murphy.

Surviving are the parents, Mr. and Mrs. Paul Sims; one sister,

Mrs. Edna Tolley of Marietta, Ga.; four brothers, Russell and Troy of Marietta, and Cline and Ray of Murphy.

Mrs. Sims has received the 24th Division Citation, the Purple Heart Award, and a presidential citation from President Truman.

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