Water Is Valuable Nantahala Resource

DISTRICT RANGER

Should your milkman inform you that six gallons of water are used in producing each gallon of bottled milk delivered to your door, you would probably agree or disagree depending on the quality of the milk It is a true figure, however of the average amount of at 2:45 p. m. Tuesday. Funeral however, of the average amount of water used in the dairy, receiving station and bottling works to pro-duce for you a clean, sanitary pro-

This is only one example of the amount of water required in the processes which produce for us the many things necessary in our pre-sent day living. Canned foods require large amounts of water in processing. A case of No. 2 canned peaches requires 65 gallons of wat-er. A ton of sulfite paper pulp requires 60,000 gallons or 30 million gallons a day for a 500 ton capacity pulpmill. A pulpmill of this daily capacity, which is not unusu-al, uses enough water to supply a city of 300,000 people. Such statis-tics could be continued for many pages, but they would only serve to emphasize what should already be clear. That is, water is our most vital resource. Like every other section of the country, the capaciof western North Carolina to maintain a growing population and an expanding industry and agri-culture depends on our water resource. "Water or Your Life", the litle of a recent book by Arthur arhart, expresses the value of this resource.

In the management of the Nantahala National Forest, water values are given first priority. Adjustments of other resource uses will be made in favor of watershed protection should conflicts devel-Like other natural resources of the forest, water is subject to good and bad management. Because we

i probably the least understood of all forest resources. We associate tater with climate. Because we cannot expect to greatly increase the amount of rainfall, we assume there is little we can do about influencing the amount of water in the streams. In watershed man-agement, we direct our efforts toard efficiently handling the rainfall that does occur rather than in attempting to increase the amount of rainfall. The main consideration is that water resources are an es-sential part of forest management In general, the objective of water management is to obtain the maximum quantity and quality of usable water for domestic and indus-irial uses, for maintaining favor-sonable monetary estimate of its trial uses, for maintaining favorable conditions for fish and wildlife, and for recreation.

Watershed management is accomplished through the control and manipulation of vegetation and the management of the soil. It is principally through the soil that we can influence infiltration and storage of water that ultimately reaches the stream as ground water flow. Generally speaking. the natural soil developed under undisurbed forest cover has about as favorable a structure for infiltration and storage of water as can be obtained for any locality. The tandard of excellence for any locality is the undisturbed forest

control of water. changed the soil from its original nues from wood products for 1951 conditions is roughly a measure of about \$20,000. and maintain so far as it is possisoil of the locality.

From the watershed manage-ment point of view, vegetation is the greatest use is for water power of value in developing a favorable which is non-consumptive; how-soil structure through protecting ever, good watershed management and maintaining the extensive bi-ological activities that characterize tric power production.

nishes food for a whole managerie Forest in the same category as of rodents, worms, insects and all timber products, fish and wildlife the micro-organisms on which favorable soil structure and soil fertility depend. The presence of organisms in the soil are needed to maintain the structure required in the Southern mountains the for good watershed management. Rodent burrows, worm and insect p ant roots decay all contribute to A volume of 100 gallons per capp ant roots decay all contribute to

cumulated on the forest floor is consumed by fire, the factor des-cribed above which create favor-able conditions are removed.

The roads and skidways created

Carl Jackson Simonds, 53, died at 2:45 p. m. Tuesday. Funeral services will be held at 2 p. m. today (Thursday) in Bear Paw Baptist Church with the Rev. Fred Stiles officiating.

Burial will be in the church cemetery, with Ivie Funeral Home

in charge. Pallbearers will be Charlie, Bill and Willard Clonts, Jake and Sheridan Stiles, and Ralph Rogers.

Surviving are: two brothers, A Marion Simonds and E. L. Simonds of Cleveland, Tenn.; four sisters, Mrs. Elsie Atchley and Mrs. Bonnie Stiles of Gastonia, Mrs. W. C. Savage of Baton Rouge, La., and Mrs. Beulah Cash of Newport

removed will create changes from favorable to unfavorable watershed conditions unless steps are taken to minimize these effects. By proper location of roads and skidways and by installing adequate erosion control barriers, the unfavorable effects of logging can be kept within tolerable limits.

Adverse effects are created by grazing livestock and big game animals. Soil compaction and reduction of low-growing vegetation accellerate funoff and erosion. Catle grazing has practically disappeared from our open range for-est lands, but is a serious factor in farm woodlands. Although big game nunters probably never give a thought, they are depended ipon to keep the game population inder control. Over populations of deer or wild boar can become very destructive to water values. For his reason, managed hunting has become an important element watershed protection on the Nan-tahala Forest.

management. Exhaustive research into watershed problems has also

been in the program.

The Nantahala District watershed covers approximately 500 equare miles within the coordinated protection boundary. No direct noney revenue is derived from the water resource and paid into the value can be calculated. A good torested watershed in Western North Carolina will flow at an average annual rate of 1½ cubic feet per second per square mile. One cubic foot flow per second is equal o 646,317 gallons per day. Thus a 10 square mile watershed yields 9.694,750 gallons per day. At a rate of 10 cents per thousand gallons this amount of water is worth

\$969 a day, or \$353,854 a year. The Nantahala District, at the above rate will produce water worth \$17,692,700 per year. Assuming that only one tenth of this amount goes into industrial or dolity is the undisturbed forest il. When the natural forest covis disturbed through cutting, e. grazing by domestic stock or proportion of large and the control of the cont er is disturbed through cutting, fire, grazing by domestic stock or concentration of large game animals, there may be a change away from the original natural soil toward one less favorable for the ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water to be only one cent per thousand gallons and considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the considering that only one-tenth of the water in the District ward one less favorable for the water water to be only one cent per thousand gallons and considering that only one-tenth of the water in the District ward one less favorable for the water water to be only one cent per thousand gallons and considering that only one-tenth of the water in the District ward one less favorable for the water water to be only one cent per thousand gallons and considering that only one-tenth of the water in the District ward one less favorable for the water water to be only one cent per thousand gallons and considering that only one-tenth of the water in the District ward one less favorable for the water water water to be only one-tenth on the water w ontrol of water.

The extent to which land use has This might be compared to reve-

of the degree that watershed val-ues have been disturbed. It is lo-gical then that the aim of water-Nantahala District is as yet largely shed management is to return to a potential value. A few communiies use the water and Andrews ble the undisturbed natural forest Robbinsville, Fontana, Tapoco and Rymers Ferry obtain their supply

the upper layers of soil.

The annual fall of leaves furone of the natural resources of the most important natural resource of ar as the economy of the region

making the soil porous, permit air to escape and favor infiltration and storage of water in the soil. tita per day is often used as a rough estimate of the amount of water a city will use. Finding this storage of water in the soil.

Forest fires, particularly on shallow rocky soil, are very unfavorable to the watershed. Effective fire control is, therefore, a basic job in protecting watershed values. When the organic matter accumulated on the forest floor is sections of our country recently. It is comforting to know that in the forests of Western North Caralina there exists a water supply

high quality, virtually untapped, take care of our future. It will be there when needed and certainly is worth our care and protection

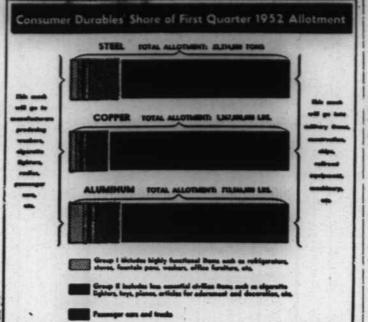
AMERICAN

SAFE . DEPENDABLE . ECONOMICAL

NATION-WIDE MOVING SERVICE

AUTHORIZED AGENT

Palmer Bros. Trucking Co. Inc.



Mrs. Minda Lewis Dies At Brasstown

Mrs Minda Lewis, 81, of Brasstown died Tuesday at 2 p. m. in a Murphy hospital after an illness of three weeks.

Funeral services were held at 4 p. m. Wednesday in Green Cove Baptist Church, with the Rev. Ham Coffey officiating, Burial was in the church cemetery with Townson Funeral Home in charge.

Infant Dies

Graveside riter for Dale Lovingood, infant son of Mr. and Mrs. Don Lovingcod, Reute 3, Murphy, who died Sunday, were held Monay at 11 a. m. in White Church

Surviving, besides the parents, one brother. Donald Robert and both the maternal and pater-

The foregoing are some of the lements entering into watershed lanagement. Exhausting anagement of the lanagement of the Taken By Death

Jeannette Stiles, eight-month-old daughter of Mr. and Mrs. William E. Stiles of Oak Park, died Tuesday in the home after a few days' illness of pneumonia. Funeral services were held Wed-

NOTICE OF SALE

The Cherokee County Board of education will sell at Public Auction at the Courthouse door in Murphy February 16, 1952, at 11 clock A. M. to the highest bidder for cash the following described chool property: Beginning on a Spanish oak near the north side of the public road leading from Murphy, N. C. to Unaka, N. C. on a conditional line between C. Rad-ford and William Allen, and runs with the road 1! poles on a marked line to a chestnut stake; thence a westerly course with a marked line 4 poles to a stake; thence a south course with a marked line 15 poles to a Spanish oak; thence an east course with a mark-ed line 13 poles to a stake; thence a north course with a marked line ing one acre and 93 poles; also free ingress and egress to the spring of Curtis Radford on the spring of Curtis Radford on the North side of the road leading from Murphy to Unaka, which spring is about 50 yards more or less from the public road, this be-ing the land sold to the Cherokee County Board of Education by Curtis Radford and wife, Catherine Radford, recorded in Book No. 19 ister of Deeds of Cherokee Coun-

ty, and known as the Upper Bea-verdam School property. The Board of Education reserves the right to reject any and all

CHEROKEE COUNTY BOARD OF EDUCATION By: Lloyd W. Hendrix, Secre-27-4tc

Johns - Manville Bldg. Materials
Asphalt Shingles-Roll Roofing Asbestos Siding

GIBBS HDW. & AUTO SUPPLY

CATTLE-HOGS WE BUY

Also, chickens of any kind. Will come anywhere after them.

Write or call Phone 682-J Box 571 Carl Crawford & Sons

Coppernill, Tenn.

EMILY POST MODERNIZES GOOD MANNERS

What is correct procedure when unexpected guests drop in during your favorite TV show? Should a man leave bus before a lady? Emily Post says you may be following etiquette rules that you really don't have to follow. See guide to modern manners in January 27th issue of

THE AMERICAN WEEKLY Nation's popular Magazine with the BALTIMORE

SUNDAY AMERICAN Order from Your Local News

Surviving, in addition to the parents is one brother, Kenneth.

5.000 WATT electric heater for sale, \$60, Addie Mae Cooke, Phone 20 or 97-W. 27-ti

WANTED: Experienced Cook Bus Station, Murphy, N. C. A ply in person. Top wages .Male or Female. M. C. O'Dell. 26-3tc

SALE: 45 acres farm. Dwelling houses, good out buildings. On U. S. Highway 19 in Gold Branch section. Gene Kilpatrick. Phone 34-W. Mur-phy. N. C. 27-3tp

LOST: Blue Tick Dog on Bear Paw Creek, December 24, See John Creek. December 24. Floyd. Hiwassee Dam.

OR RENT: One half of building occupied by Deluxe Cleaners. Ideal business location, on Church Street See Mrs. Vivian Gentry, or call Phone 225-J. 26-3te

VATCH REPAIR: Expert watch clock, glasses and jewelry re-pairs. New and used watches. and leather bands. All types crystals. Prices right. Earl Jeweler, next door to Graves Tire Co. 27-3tp

nesday at 2 p. m. in Mt. Carmel Baptist Church. The Rev. Wesley Roberson officiated and burial was in the church cemetery with Townon Funeral Home in charge.

hereby offer a \$25 reward to any Suit, N. C.

> Hay for Sale. By Bale or Ton. C. H. Townson, Marble, N. C. 26-3tp Phone 553-M-4.

OR RENT: 2-bedroom house. Phone 75 Murphy, N. C.

FOR SALE: 30-acre farm with 5room house. See Spencer Crane, 12 miles east of Murphy on Highway 64.

phy, N. C.

ALL CLASSIFIED ADS PAYABLE IN ADVANCE, LOCAL of ad with not more than 25 words; three insertions, \$1. Additional words, 2c per word RATES: one time, 3c per word. All rates net. Classified ads accepted up until 12 noon Wedn "KEYED" CLASSIFIED ADS ARE 3c PER WORD AND A MINIMUM OF 75c. CARD OF THANKS 50c MEMORIAMS, RESOLUTIONS OF RESPECT, AND OBITUARIES 2¢ PER WORD.

WANTED: Two waitresses, with or without experience. Part or full time. Murphy Cafe, Murphy, N. C. J-S-25-3tc

SLECTRIC RANGE for sale, \$63. Addle Mae Cooke, Phone 20 or 97-W. 27-tf

WANTED: RELIABLE MAN, 25-50, assist in local branch oper-ations. Must have car. Oppor-tunities of \$60 a week or better to start. See Mr. Pressley on Sat-urday morning, January 12. Electrolux Corp., Tennessee St. Murphy, N. C. 25-3te

LOST: The writing part of a black and white Sheaffer fountain pen, Friday evening, somewhere on the streets of Murphy. Finder please return to Scout Office and

VANTED: Woman Cook to assist cook in kitchen. Must be able to read and write. New Regal Hotel, Murphy, N. C. 27-3tc

lay for Sale. \$1.25 per Bale. W. E. Brendle, Brasstown, N. C.

Buying Black Walnuts. Hulled and Dried. Farmers Federation

person who will give sufficient evidence of any person stealing material from my building on Fain Mountain. Gay Hawkins,

27-3tc

FOR SALE: Stove and heater wood See Bill King. Phone 364, Mur-

GROW YOUR OWN FRUIT. Complete line of Fruit trees, Nut Trees, Berry Plants, Grape Vines, and Ornamental Plant Material offered by Virginia's Largest Growers. Write for Free Copy 56-page Planting Guide in Color. Salespeople Wanted. Waynesboro Nurseries, Waynesboro Virginia. 22-8te

STOVE WOOD for sale. Delivered. W. D. Townson Lumber Co. Phone 334. 22-tfc

WANTED TO BUY For cash high tread repairable and slick recappable carcasses. Any amount, any size. Graves Tires Co. Phone 300, Murphy.

MEN WANTED: I want a man who cares for his family, wants the finer things of life. Is not content with \$50 or \$75 per week, wants his own business. Can be his own boss. Must have a car. Phone 545, Murphy, N. C. 23-tfc

FOR RENT: 2 or 3-room furnished apartment adjacent to school. Gas heat, hot water, private bath. Youngstown sink, electric stove and frigidaire. Mrs. Edwina Hagaman, 305 Valley River Avenue. Phone 250.

HOT PLATES for sale. One with two units, \$5.00; and one with one unit \$1.75. Addie Mae Cooke. Phone 20 or 97-W.

WELL DRILLING: Have your wells drilled by modern machinery. 6" and 8" domestic and ery. 6" and 8" domestic and commercial wells. Macon Pump and Well Company. Write F. B. Rogers, Route 1, Franklin, N. C.

> WESTINGHOUSE refrigerator for sale, \$100. In good condition. Addie Mae Cooke, Phone 20 or 97-W. 27-tf

12-15tp

OR SALE-Cinder Blocks, any size, any amount. Delivered Palmer Bros., Phone 202. Mur-16-tfe phy, N. C.

FOR RENT-Floor sanding ma chine by hour or day. Phone 100. Gibbs Hardware and Auto

FOR SALE: Westinghouse refrigerator \$100, Westinghouse elec-tric range \$65, 5,000 watt elec-tric heater \$60 and two hot plates. Addie Mae Cooke, Phone 20 or 97-W.

FOR SALE: One slightly used electric Frigidaire, electric range and three-piece living room suite. See Frank Hembree on Highway 294 near Mort Hamby's

FOR SALE: A 6-room house, lights and water, about 3 acres of land, small orchard, good location near Marble. See Lee Hughes at Marble. 26-3:p

C. E. HYDE

GENERAL INSURANCE

Phone 145

Murphy, N. C.

LOW DOWN-PAYMENT! LONG, EASY TERMS!



1/2-ton and 2-ton



Big, Powerful, High-compression Engine WITH CHROME-PLATED TOP PISTON RINGS Heavy, Rugged Frame PLUS LONG, STRONG SPRINGS Molded, Tapered, Cyclebond Brake Linings EXTRA-QUIET AND LONGER LASTING

Better Weight Distribution FOR BIGGER PAYLOADS WITHOUT OVERLOADING

PLUS SCORES OF OTHER GREAT **EXTRA VALUES...COME IN TODAY**

Moore

107 Valley River Ave.

Phone 37

Murphy, N. C.