

WATER SUPPLY PLAN OUTLINED

(Continued from Page One)

creased well supply, possibilities of a gravity supply, Lake Emory supply and the Cartoogechaye creek supply, and agree with the conclusions set forth.

From a close study of the Mees & Mees report, the topographical maps available and the territory in and about Franklin there is no doubt that the Cartoogechaye creek is the proper source from which to secure an additional supply of water. This creek is very favorably located, as to source of supply for Franklin, being far enough away to avoid contamination from future growth and yet within an economical distance. The supply is ample for any future needs and the water shed conditions are ideal.

A water supply from Lake Emory would probably be more economical in first cost, but the upstream contamination as well as contamination from Franklin itself makes it less desirable. A gravity supply would be desirable if water could be obtained economically. However, the government maps show that water in sufficient quantity is not available by gravity at a reasonable distance.

Population and Growth:

The growth in population of Franklin for the past thirty years shows an average increase of approximately 50 per cent for each ten years. Considering the fact that the mountainous section of North Carolina has received and is receiving a tremendous amount of publicity it is not unreasonable to anticipate an equal rate of growth for the next several decades. On this basis we have:

Population for 1940.....	1,695
Population for 1950.....	2,542
Population for 1960.....	3,813
Population for 1970.....	5,720

Assuming a per capita use of water of 100 gallons per day, which is a reasonable figure to use in such calculations, especially considering the large summer population increase, you will be using approximately one-half million gallons per day in 1965. The year 1960 would require almost constant operation of a half-million gallon filter plant. This is as small a plant as it is economical to build.

Operating Conditions:

The water now secured from wells is pumped through the service mains to a stand pipe and elevated tank in the north-western section of the town. The elevation of these structures, their location at a far edge of town, and the small service mains result at times, in a very low operating pressure in the southwestern section. This condition can be rectified by a higher tank and larger mains.

Fire protection is wholly lacking in some sections of town and in others can be improved by minor additions to the system. We have taken this matter up with the Southeastern Underwriters Association, a copy of whose recommendations is incorporated herewith, and find that a better insurance classification may be secured for the town by laying two additional mains.

You will note on the proposed plan that the new supply mains will furnish fire protection to the southwestern section, which is not now protected.

Proposed Improvements:

We have selected the Angel Hill, lying west of the Georgia highway and near the golf course, as the best possible site for the town's new filtration plant. This is the highest point between the town and Cartoogechaye creek and lies almost directly in line between them. It has several distinct advantages. The top of this hill is level with the present elevated tank and a new tank on a 50 foot tower placed there will give ample domestic pressure to the entire town. Its location is such that a large amount of the supply main will serve also as service main for the territory through which it passes. It is a beautiful spot for landscape development and well located in regard to the highway. It lends itself to a very economical development.

Our plan provides for pumping water from the creek directly to

the filter plant, discharging filtered water into a small clear well and pumping from there directly to a 200,000 gallon tank elevated on a 50 foot tower.

The plant would be located very close to the elevated tank. This, together with the small height of the tower, would allow wash water for the filters to be drawn directly from it, thereby saving the cost of an additional tank.

The construction of so large an elevated tank is unusual but in this case would save the construction of a concrete reservoir of like capacity as well as the wash water tank. By placing the whole amount of storage so as to be available by gravity, a distinct advantage is secured and the cost of pumping equipment is materially reduced. Otherwise large capacity, high head pumps would be required to furnish water to the system in time of fire.

The construction of the tank on Angel Hill obviates the necessity of erecting a higher tank at the present location which would be necessary under any other method of development to provide adequate pressure in all parts of town.

Raw Water Supply:

The old bridge abutments on the abandoned road a short distance down stream from the present highway bridge across Cartoogechaye Creek provide an excellent anchorage for a diversion dam. The plan provides for the location of a small pump house just beyond the high water line of the creek. Water will flow to the pump house by gravity through a 10 inch terra cotta pipe. Two 380 gallon per minute pumps are located in the pump station, one electrically driven and one connected to a gasoline engine. This provides continuous operation in case of electrical troubles.

The water is pumped directly to the filter plant through an 8 inch cast iron main.

Filtration Plant:

The plans provide for a 500,000 gallon per day filter plant with all features required by modern filter practice. This includes approximately twenty minutes retention in the mixing chamber where the water is violently agitated after receiving coagulating chemicals; at least four hours retention in the coagulating basin for the settlement of suspended matter; two filter units to operate at capacity at a rate not exceeding two gallons of water per minute per square foot of effective sand area and a wash rate of fifteen gallons per minute per square foot of sand area; provision for rate controllers and loss of head gauges for proper operation; and duplicate chlorinators for proper sterilization.

A small clear well, is provided to receive the water from the filters and furnish it to the pumps.

Service Pumps:

Duplicate service pumps, motor and gas driven, of 500 g. p. m., capacity each are housed in the filter building. These deliver water to the elevated tank close by.

Elevated Tank:

The 200,000 gallon elevated tank is to be located on the crest of the hill and on a 50 foot tower on concrete foundations. It will deliver water direct to the distribution system.

Supply Main:

Our plan provides for an 8 inch supply main from the plant to the junction of the Georgia highway and the Old Georgia Road. At this point it will divide into two 6 inch mains, one continuing with the highway to a connection on Porter street with your present 6 inch line, and the other following the Old Georgia road to a connection on Main street.

An additional 6 inch section of pipe is provided for Main street from Porter street to Harrison street. This carries the duplicate 6 inch main to the existing 8 inch main.

Provision for 6 new fire hydrants to be placed on the new supply mains has been made in the estimate. Other hydrants may be placed as needed.

Old Tank and Standpipe:

When the improvements as outlined are made, the present elevated tank and standpipe will be no longer required. We have communicated with the manufacturers of the tank and they advise that the salvage value of the structure should approximate \$2,200. This amount is shown as a credit on the estimate. There is also a value in the restored property which we assume as \$350.

WARNING GIVEN WAR VETERANS

Time To Apply for 'Bonus' Certificates Expires January 2

The final date on which World War veterans may file applications for adjusted compensation certificates has been set for January 2, 1935.

Any veteran who had more than 60 days of service in the World War, or any dependent of a veteran who is dead, who has not applied for a "bonus" certificate, is advised to take immediate steps to file his application. The Macon county chapter of the American Red Cross has offered to assist in preparing applications and all veterans who have not yet received their certificates are urged to get in touch with J. E. Lancaster, chairman of the local Red Cross organization. Mr. Lancaster, whose services in this connection are voluntary and without charge, has requested that veterans bring with them their honorable discharges so that their applications may be filed without delay.

Veterans eligible for the "bonus" certificates must have served more than sixty days during the war period—April 5, 1917-November 11, 1918, and have been honorably discharged. Certain high ranking commissioned officers, civilian employees of the Army and a few other similar classes are not eligible.

Dependents of veterans who died in the service, or since, who failed to apply for the certificates, or who died after filing, but before receiving certificate, should make application before it is too late. Widows and children have preference over dependent parents. If there is no widow or child, a dependent mother may file, or if the mother is not entitled, a dependent father may file. Dependency of parents is presumed after age 60, and before that age evidence of dependency must be presented.

Christmas Play To Be Staged Tonight

A Christmas playlet, "The Candle in the Window" will be presented at the Presbyterian church at 7:30 o'clock tonight by the junior and intermediate classes of the Sunday school. The play presents a group of young Christians awaiting the coming of the Christ Child on Christmas Eve. He comes, but not according to expectation.

There will be no admission charge but an offering will be taken for the cause of ministerial relief.

J. M. Slagle, of Tellico, Dies at Age of 76

Funeral services for J. M. Slagle, 76, were held at the Tellico Baptist church Monday morning at 11 o'clock, with the Rev. Judson Smith in charge.

Mr. Slagle, a farmer, died at his home on Tellico Sunday morning. He was a member of the Baptist church.

Mr. Slagle was born in Mitchell county and moved to Swain county in 1890, later coming to Macon county.

The deceased is survived by his widow, Mrs. Callie Justice Slagle; three daughters, Mrs. Andrew DeHart, of Needmore; Mrs. Della Wike, of Bryson City; Mrs. Rosa Ensley, of Winston-Salem; and three sons, John Slagle, of Phoenix, Ariz., Dallas Slagle, of Los Angeles, Calif.; Walter Slagle, of Billings, Mont.

Cured

"Didn't you ever win an argument from your wife?"

"Yes, once, but I never cared to win another one."

"Why not?"

"Well, for squaring myself for winning that one I had to almost buy out a florist shop, a confectionery and a department store. Another victory like that one and I'd been bankrupt."

Hill Cabe, of Toccoa, Ga., is visiting Mr. and Mrs. U. N. Carpenter at their home in the Coweta section.

CHURCH

Announcements

PRESBYTERIAN

Rev. J. A. Flanagan, Pastor
 Franklin (each Sunday)
 10 a. m.—Sunday school, Mr. J. E. Lancaster, Supt.
 11 a. m.—Christmas service.
 Pageant: "Ye Shall Find the Babe."
 Special "Joy Gift" Offering for Ministerial Relief.
 7 p. m.—Christian Endeavor Prayer Meeting.
 Morrison (each 2d and 4th Sundays)
 2 p. m.—Sunday school, Mr. Bryant McClure, Supt.
 Two Tableaus: "Who are These?"
 "Ministerial Relief Cares for After Service."
 3 p. m.—Preaching service. Sermon by the pastor. Special "Joy Gift" Offering for Ministerial Relief.
 FRANKLIN BAPTIST
 Rev. Eugene R. Eller, Pastor
 (Sunday, Dec. 23)
 9:45 a. m.—Sunday school.
 11 a. m.—Morning worship.
 6:30 p. m.—B. Y. P. U.'s
 "Lasting Glory" will be f.mfwp
 7:30 p. m.—A Christmas pageant, sponsored by the B. Y. P. U.'s, will be presented.
 (Wednesday, Dec. 26)
 7:30 p. m.—Prayer meeting.
 (Friday, Dec. 28)
 7:30 p. m.—Teachers' meeting.

FRANKLIN METHODIST

Rev. C. C. Herbert, Jr., Pastor
 (Sunday, Dec. 23)
 11 a. m.—Morning worship. Sermon: "Our Christmas Guest" by the pastor.
 5 p. m.—Vesper service. Han-

del's Oratorio "The Messiah" sung by community chorus directed by Mr. James B. Porter.

EPISCOPAL

Rev. Frank Blosham, Rector
 (Sunday, Dec. 23)
 7:30 p. m.—Evening service and congregational carol singing.
 (Monday, Dec. 24)
 11:30 p. m.—Candle light communion service. No service Christmas day.
 (Friday, Dec. 28)
 Holy Innocents Day.
 10 a. m.—Holy communion, Incarnation, Highlands
 (Sunday, Dec. 23)
 10 a. m.—Church school.
 11 a. m.—Morning service with sermon by the rector.

Mack Clouse, 84, Dies at Home in Ellijay

Mack Clouse, 84, died at his home in Ellijay township on Wednesday afternoon, December 5, at 5 o'clock in the morning.

Funeral services were held at the Sugarfork Baptist church on Friday afternoon at 3 o'clock, with the Rev. Mr. Jamison, of Sylva, in charge of the services.

Mr. Clouse is survived by his widow, sixteen children and twenty-three grandchildren.

LETTER TO SANTA CLAUS

Franklin, N. C., Dec. 18, 1934
 Dear Santa
 I am a little girl seven years old, go to school every day. For Christmas I want you to bring me a tea-set and a doll, a box of crayons and don't forget my two little sisters, Kathryn and Iris Fay. They want you to bring them a doll each and a tea set each, and don't forget my school teacher, Mrs. Franks. Also I want you to bring plenty of nuts and candy.
 Your little friends,
 Grace, Kathryn and Iris Fay Long.

Good Cheer

MERRY CHRISTMAS.

These two words have behind them all our good wishes for your future and our gratitude to our patrons and subscribers for their many kindnesses to us through the years of the past. May happiness, health, prosperity and wealth be yours in ever increasing abundance. Merry Christmas.



The Franklin Press

And Highlands Maconian

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READ DOWN P. M.	READ UP A. M.
5:50 P. M. Leaves Asheville	Ar. A. M. 10:55
6:45 P. M. Leaves Brevard	Ar. A. M. 9:50
7:35 P. M. Leaves Sapphire	Ar. A. M. 8:55
8:15 P. M. Leaves Highlands	Ar. A. M. 8:05
8:45 P. M. Leaves Gneiss	Ar. A. M. 7:35
8:55 P. M. Leaves Cullasaja	Ar. A. M. 7:25
9:10 P. M. Leaves Franklin	Ar. A. M. 7:15
P. M.	A. M.

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