

Septic Tank Most Suitable Rural Sewage-Disposal Unit

Editor's Note: "Proper Sewage Disposal" is the last of a series of three articles written to give the people of Haywood County more knowledge about water protection, plumbing and sewage disposal.

By JACK ARRINGTON
Health Dept. Sanitarian

This article will be directed toward rural residential sewage disposal. There are two types of units built to dispose of sewage in the rural homes. One is the pit privy and the other the septic tank.

PIT PRIVY

The pit privy, or "back house" is a satisfactory type of sewage disposal provided it is constructed, installed and maintained properly. Following are specifications in building and installing a privy:

1. The framing should be of 2 x 4's six feet long in front and 5 feet long in the back. This should be well braced.
2. The siding should be of 1" tongue and groove lumber.
3. The floor should be of concrete 6 feet wide by 6 feet long and four inches thick reinforced

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by ten gauge wire mesh with a concrete riser and fly-tight seat.

4. The top should be made of tin or tar paper shingles.

5. The pit for the privy should be 3'6" x 3'6" x 6' deep and curbed by 1" thick boards.

6. When the pit is filled to within 18 inches of top of ground, a new pit should be dug and the old pit filled with dirt.

7. Keep all sewage disposal units 50 feet from water supplies, and, if on sloping lands, should be located below water supplies.

SEPTIC TANKS

The septic tank and nitrification field is the most satisfactory type of rural residential sewage disposal system. With the proper design, installation and maintenance, a septic tank should last for ten years without cleaning. However, a septic tank should be checked every three years to see if it is functioning properly. Following are the specifications for the smallest septic tank, which will serve 6 or less people:

Overall length of tank is ten feet and two inches (10'2"); width of tank is 3'10" and depth of tank is 5'4 1/2". The tank is broken down into two compartments, with three walls (bottom and a top, also). The first compartment is seven feet

SWEET SIXTEEN AND KISSED



LOIS O'SULLIVAN, 16, of Melbourne, gets an item for her diary as she, along with hundreds of other teenagers, meets singer Johnny Ray at an Australian airport. As the crooner stepped off the plane, he swept Lois off her feet and kissed her, as shown above. (International)

long (7); 3' wide; 4'9" deep and it serves as a digestion and storage compartment. The second compartment is two feet long (2); 3' wide and 4'9" deep. The outside walls are 5 inches thick and 5 feet 9 inches high. The baffle wall is 4 inches thick and 5 feet 6 inches high.

There should be an opening (4" x 4") in the bottom of the baffle wall to allow water into both compartments while filling. This keeps the water pressure equal on both sides of wall when filling and the wall will not fall. There should be 4-inch openings all the way across the baffle wall 3'6" up from bottom of tank. The baffle wall should extend up to within 3 inches of top. The bottom of tank should be 4 inches thick and the top 3 1/2 inches thick, reinforced with 3/8" steel rods.

The lids should never be more than 20 inches wide so as to make handling easier. The inlet pipe should be 4" up from bottom and at end of tank. The outlet should be 4" from the bottom to let sewage into nitrification line. The outlet should be a 4" T or combination Y and 1/8" bend. Nitrification lines should be 150 feet long by 30 inches wide and 30 inches deep.

There should be 6 inches of gravel underneath the 4" tiles and gravel sloped to top of pipe. Tar paper strips should be put over tops of the joints. The tile should be on a grade of 1/4" fall in every ten feet. A gravel pit 3' x 3' x 3' should be at end of line. Never should there be more than 30" or less than 6" of back fill or dirt over the drain tile.

No one should ever use acid or lye solution in a septic tank, for it kills the bacteria in the tank and the tank will not function properly.

Local and state ordinances forbid the placing of a septic tank and nitrification lines within the following boundaries: 10', property lines; 25', streams; 50', water supplies; 20', buildings. 10', water lines.

No metal shall be installed in Haywood County septic tanks. For further information, and plans, consult your local Health Department located at the Haywood County Courthouse, Telephone 6-4112.

The percentage of U. S. children between 5 and 17 not attending any school increased from 12.7 in 1951 to 13.2 in 1953.

Women As Leathernecks Are Proving Efficient

By JANE EADS

WASHINGTON — The women who donned khaki uniforms and joined the Army Auxiliary in the early days of World War II took a lot of ribbing from the GIs, and the top brass was leery.

Today the Woman's Army Corps is part of the regular Army and Army Reserve. The Corps, which observed its 12th anniversary May 14, now is readying a formal declaration of a permanent home like other branches of the service — a new WAC center at Fort McClellan, Ala., where basic training began in June this year. The outfit even has its own Woman's Army Corps Veterans Assn. with 28 chapters. Some 300 to 400 veterans are holding their eighth annual convention here this month.

Less than six months after Pearl Harbor, with manpower short, Congress passed a bill to enable the Army to use women in many jobs, the first of a series of such bills that eventually covered all the services.

Full military status was not at first granted to Army women. Officials said "the American public still believe women will be safer in an Auxiliary." Hence the establishment of the Women's Army Auxiliary Corps (WAAC), Col. Oveta Culp Hobby, of Houston, Tex., was its first director. The women began their military training on July 20, 1942, at Fort Des Moines, Ia. They became a full-fledged part of the Army Sept. 1, 1943, as the Women's Army Corps (WAC). Col. Irene O. Galloway, of Templeton, Ia., is current head of the corps.

Many commands were slow to requisition WACs at first, but as the manpower shortage became more acute the Army suddenly

Bookmobile Schedule

Friday, Oct. 1
FINES CREEK

H. L. Rathbone	9:30-9:45
R. G. Rathbone	10:00-10:15
Paul Ferguson	10:30-10:45
C. R. McElreath	11:00-11:20
Fines Creek School	11:30-1:00
Trantham's Store	1:15-1:30
Francis Rogers	1:45-2:15
Violet Moore	2:30-2:45

Monday, Oct. 4
LAKE JUNALUSKA-RATCLIFFE COVE

Jack Long	9:15-9:30
Jessie Hannah	9:45-10:00
Orvil Shelton	10:15-10:30
Junaluska Supply	10:45-11:00
Ollie Mack	11:30-12:15
H. F. Francis	12:30-12:45
Hugh Francis	1:00-1:15
Ratcliffe Cove Grocery	1:30-1:45
Mt. Experiment Station	2:00-2:15
Wiley Franklin	2:30-2:45
Henry Francis	3:00-3:15

Tuesday, Oct. 5
IRON DUFF-CRABTREE-HYDER MT.

Mrs. E. W. White	9:15-9:30
Grady Davis	9:45-10:00
Helen Sanford	10:15-10:30
Duckett's Store	10:45-11:10
Crabtree-Iron Duff Sch.	11:15-12:30
C. H. Hill	12:45-1:00
Matt Davis	1:15-1:30
Troy McCracken	1:45-2:00
W. J. McCrary	2:15-2:30
Willis Smith	2:45-3:00

realized women could handle 406 of the 628 jobs it had. Soon they were all over the place. On their first birthday, 60,000 WAACs were on duty at 100 military establishments.

When the first two WACs arrived in India, a photo caption of them read: "General arrives too, but who cares?" Today WACs are stationed all over the United States, in France, Germany, Austria, Italy, Okinawa, Japan and Hawaii.



The big moment for Private Charles T. Milner, son of Mr. and Mrs. Sam Milner, of 625 Lee Street, Waynesville, who is ready to make a parachute jump with the famed 82d Airborne Division at Fort Bragg, N. C. He wears his main parachute on his back, his reserve parachute and combat pack (front) and his rifle in a canvas container (left). The jump, his fifth from a C-119 aircraft, marks the end of three weeks of intensive physical and technical training and will qualify him as a paratrooper. Pvt. Milner is an Ammunition Bearer with the 504th Airborne Infantry Regiment, a unit of the famed 82nd Airborne Division. "America's Guard of Honor".

Clyde Church of God Holding Revival Service. The Rev. Virgil C. Ashby is conducting a revival at the Clyde Church of God at Thompson Cove. Evangelistic services are held every night and will continue through Oct. 10. Singing by the choir and special singers is featured. Rev. John Bowers is pastor of church.

From September 1953 to 1954 (the off season) 200,000 cans are traveled to Europe—more than the previous year.

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