

Effectiveness, Cost of Municipal Water Fluoridation Discussed

(ED. NOTE—This is the second in a series of three articles by Dr. John C. Brauer, dean of the school of dentistry at UNC and chairman of the N. C. Dental Society's committee on fluoridation discussing the subject of municipal water system fluoridation.)

By Dr. J. C. Brauer

Children literally can drink their way to better dental health if the water in their homes contains the proper amount of fluorides.

Research has produced much evidence showing conclusively that children born and reared in communities whose public water supplies contain one part per 1,000,000 or more of fluorine have only one-third as much dental decay as children who drink water which does not contain the chemical.

Children need not be born in an area which has a sufficient supply of fluoride in its water to receive the benefits of fewer cavities. But the earlier and longer they drink water containing fluoride while their teeth are developing, the greater protection

against tooth decay they will have. This applies to both first and permanent teeth.

One of the most convincing examples of the value of fluoridation is provided in a six-year study made at Newburg, N. Y., and the nearby city of Kingston. Newburgh began fluoridating its water supply in 1945 and is continuing to do so. Kingston has never fluoridated its water.

Dr. David B. Ast, New York state dental director, who conducted the study, has reported that among 5 to 6 year old children in Newburgh there has been a 115 per cent increase in the number of children with all of their first teeth free of decay, compared with children in Kingston.

During a four-year period of fluoridation, there was a reduction of 32.5 per cent in the number of decayed, missing or filled teeth among Newburgh children from 6 to 12. Complete health examinations showed no harmful effects that could be attributed to fluoridation.

Cost

Fluoride can be added to public water supplies to help prevent tooth decay among children at a yearly cost of only 4 to 14 cents per person.

The exact cost depends upon the type of fluoride compound used, the amount of fluoride in the water before fluoridation, the size of the community and the per capita use of water.

Sodium fluoride is most commonly used in the fluoridation process, but Dr. H. Trendley Dean, head of the National Institute of Dental Research, recently pointed out that sodium fluosilicate is much cheaper and just as effective.

The cost of treating 1,000,000 gallons of water with sodium fluoride at the rate of one part per million is \$2.15, while the cost when sodium fluosilicate is used is only 76 cents, Dr. Dean said.

One reason for the difference, he explained, is that fluosilicate releases 50 per cent more fluoride than the most expensive source when combined with water.

Calcium fluoride would be the cheapest source of fluoride, but because of its insolubility it would be difficult to use. Other sources of fluoride available are silico fluoride, hydrofluosilicic acid, and hydrofluoric acid.

There are two types of fluoride feeders: solution feeders which deliver a measured quantity of fluoride solution during a specified period, and dry feeders which deliver a pre-determined quantity of solid fluoride material during a given time interval.

The rate at which fluoride is required determines the choice of feeder desired. This rate is determined by amounts of water consumed and of fluoride present before treatment. As a general rule, solution feeders are used for small water systems

MEET YOUR NEIGHBOR



Frank Burke

Burke Manager At Lambeth Rope

By DOT HAM

Kings Mountain's new citizen for this week is Frank Burke, plant manager of Lambeth Rope Company located off Phifer road.

Prior to coming to Kings Mountain in September, 1950, Mr. Burke was manager of the company's sales office in Charlotte.

A veteran textile man, he has been associated with Lambeth Rope for 24 years.

The Kings Mountain plant is the first of this firm's located in the South. The home office is in New Bedford, Mass. The company has been in business for nearly 60 years.

Mr. Burke is a native of Massachusetts and attended Amherst college.

He is married to the former Miss Millicent Booth who is also a native of Massachusetts.

The Burkes have eight children, three, Mary secretary for her father, Tommy who is a senior in high school, and Ellen, who is in grammar school, are still at home.

They are residing in the residence formerly occupied by Mr. and Mrs. D. R. Hamrick.

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A 20-minute sound and color motion picture, "Some Tobacco Insects and Their Control," has recently been produced by North Carolina State College. Copies are available for showing to interested groups throughout the State. Address requests to Visual Aid Department, N. C. State College, Raleigh.

Library Has Large Group Of New Books

Mrs. Charles Dilling, librarian of the Jacob S. Mauney Memorial Library, is announcing a list of new books received by the library. Mrs. Dilling stated that she had a large selection for younger children.

The books and authors: Davey, Hall; Hopalong Cassidy, Burns; If Jesus Came To My House, Thomas;

Who, Creekmore; Picture Book of the Weather, Floethe; Christmas Bells are Ringing, Brewton; The Forest of the Night, Curtis;

This Pleasant Lea, Brone; Lise Lillywhite, Sharp; Mother and Queen, Crawford; The Holy Sinner, Mann; Where Nests the Water Hen, Roy;

Lucky Year, Aldis; Picture Book of Astronomy, Picture Book of Molecules, Picture Book of Radar and Atoms,

Picture Book of Radio and Television, each by Myers; Copy for Crime, Carnac; Lady of the Mohawks, Widemer;

Wild Cherry Tree Road, Harris; Man of the Family, Moddy; The Light on the Island, Glidden;

Hangman's Noose, Cody; The Complete Works, Riley; An American Enterprise, Carr; Inglis Fletcher B. P., Waiser; The Finer Things of Life, Patton;

The Coming of the Flowers, Anderson; The Story of Phyllis Wheatley, Graham;

Written in Heaven, Keyes; La Salle and the Grand Enterprise, Nolan;

The Riddle of the Hidden Pess, Colt; James Fenimore Cooper, Proudfit;

Prima Ballerina, Malvern; You Can't Tell About Love, Olds;

Lynn, Cover Girl, Putnam; Roberta, Interior Decorator, Freer;

The Right Job For Judith, Johnson; Louis Pasteur, Wood; Walter Johnson, Treat; Betty Loring, Lyon;

Joan, Free Lance Writer, Colver; Cowgirl Kate, Johnson; The Grace of Guadalupe, Keyes;

Gilbert and Sullivan, Purdy; The Sublime Shepherdess, Keyes;

George Patton, Hatch; Curtain Going Up, Malvern; Dr. Morton, Baker;

Antonin Dvorak, Purdy; Mae O'War, Cooper; The Little Giant, Nolan;

Jeremiah Smith, Burt; Lillian Wald, Williams; Big Foot Wallace, Garst; Hawaii's Queen, Stone;

The Mayor, Regli; Bret Harte of the West, Harte; Carlotta, American Empress, Barnes;

Lark, Radio Singer, Olds; John Brown, Nolan; Chaim Weizmann, Baker;

The Treasure Hunter, Proudfit; Rudyard Kipling, Braddy; Rubber's Goodyear, Regli;

Your Most Humble Servant, Graham; Heroes of the Kalevala, Deutsch; Three Conquistadors, Garst;

Gothala and The Panama Canal, Fast; Heroes of Annapolis, Hatch;

Adventures With Reptiles, Hylander; Road to Alaska, Coe; A Treasure Chest of Sea Stories, Herzberg;

The President's in American History, Beard; Showcase For Diane, Freer; No Pattern for Love, Williams;

The Great Houdini, Williams; Connie, Theatre Director, Lissel; The Psalms and Their Meaning, Terrien;

N. C. Poets, Waiser; Favorite Christmas Stories, Camr. Jones, Meet the Master, vanah;

Marshall; A Man Called Peter, Marshall. The Moving Target, MacDonaid. And Be a Villain, Stout. Trouble in Triplicate, Stout. A Wreath for Rivera, Marsh. Buried for Pleasure, Oldham. Man Answers Death, Lamont. Suddenly a Corpse, Block.

Western AA Track Meet Set May 16th

Western AA coaches met at Morganton February 17 and set the annual loop track meet for the N. C. S. D. field beginning at 9 a. m. May 16.

All conference schools are eligible to enter teams or individuals. Team entry fee (five or more members) is ten dollars, with the individual fee set at two dollars per competitor.



Pic. David W. Fortner

Fortner Finishes Recruit Training

Marine Private First Class David W. Fortner, 21, son of Mrs. Lois Smith, Rt. 3, Kings Mountain was promoted to his present rank when he was graduated from "Boot Camp" on February 13. He

climaxed his recruit training by winning the marksman medal on the rifle range when he fired a score of 208 out of a possible 250 during his weapons training.

During the past eight weeks of recruit training, as a result of field experience and classroom lectures, the new Marine has become versed in such military subjects as precision drill, first aid, hygiene, and field tactics. In addition to firing the famed Garand rifle for qualification, he fired other infantry weapons such as the .45 calibre pistol, carbine and Browning Automatic Rifle. He also witnessed demonstration firing of the machine gun, mortar and flame thrower.

He entered the Marine Corps on Dec. 6, 1951. He was a recent employee at Imperial Theatre as projectionist.

Winter grazing crops sometimes fail because of drought or severe cold weather. To overcome this situation, dairymen should provide hay and silage sufficient to fully care for their herds for at least five months.

The percentage of infected cattle discovered by official brucellosis tests continued to decline in the United States during the first six months of the fiscal year 1952, according to the U. S. Department of Agriculture.

Rambling Sketches Of Oak Grove News

By Mrs. William Wright

Mr. and Mrs. J. W. Watterson and children, Billy and Judy and Mr. and Mrs. Monroe Lovelace were Sunday dinner guests of Mr. and Mrs. Stokes Wright and family. Afternoon visitors were Robert Ford and Jimmie Kay Bell.

Miss Edwina Steele of Charlotte was the guest of her cousin, Miss Helen Thornburg during the weekend.

Mr. and Mrs. Horace Bell and daughters, Carolyn and Nancy, spent Sunday with Mr. and Mrs. Willard Boyles of Kings Mountain.

Mr. and Mrs. Sherrill Queen and daughter, Carol of Shelby were Sunday afternoon visitors with Mr. and Mrs. Eugene Bell and children.

Mrs. Laura Wolfe was the Sunday guest of Mr. and Mrs. Allen Herndon and family of the Cedar Hill Farm near Clover, S. C.

Pic. D. C. Allen of Fort Jackson, spent the weekend with Mrs. Allen and Mr. and Mrs. Riley Allen.

Mr. and Mrs. Walter Ware and daughter, Dona Lynn of Charlotte, Mr. and Mrs. Buford Ware of Kings Mountain, Mr. and Mrs. Menzell Phifer and daughters, and Mr. and Mrs. W. F. Stone, Jr., and son were Sunday afternoon visitors with their parents, Mr. and Mrs. Frank Ware and family.

Mr. and Mrs. Culp Ford and daughter, Martha Francis, of Shelby were Sunday dinner guests of Mr. and Mrs. Lester Canipe.

Little Miss Ann Hamrick of

Patterson Grove visited her cousins, Misses Carolyn and Nancy Bell, Monday night.

Mr. and Mrs. Frank Ware had as their Tuesday dinner guests, Mr. and Mrs. J. W. Watterson, Lane Morris of Bethlehem.

Keith Randall, Mr. and Mrs. Monroe Lovelace and Mr. and Mrs. William Wright.

Miss Annette Ware had as her Tuesday night guest, Miss Laura Lane Morris of Bethlehem.

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enjoy CHEERWINE today!



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But there are two barrels in reserve—waiting for you to call them into action—and they let loose a soaring rush of power that sinks your shoulders back into the seat cushion, swoops you past a truck—out of a tight spot—up a hill—sets your speedometer needle to registering

added miles more than twice as fast as your watch can tick off the seconds.

This is an experience you certainly should know firsthand.

You should also know how Buick's Power Steering* provides a helping hand in slow-motion maneuvers—lets you keep the "feel" of the car in straightaway driving.

And just for good measure, this '52 ROADMASTER also has the biggest brakes of any postwar Buick—the greatest trunk space since spare tires moved off the front fenders—a warning light that glows when the parking brake is set—and to top it all, the smartest interior fabrics that Buick has ever offered.

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Miss Hoyie In Tournament

HICKORY—Miss Myrtle Hoyie, of Kings Mountain, was among the 100 Southern college and university students who participated in the twentieth annual South Atlantic Forensic tournament at Lenoir Rhyne college last weekend.

The three-day tournament, directed by Dr. Alber Kolser of the Lenoir Rhyne English and public speaking departments, opened Thursday afternoon and closed Saturday. Contests included a seven-round debate tournament and twenty individual speaking classes.

Miss Hoyie, a senior at Appalachian State Teachers college, debated in the first affirmative position. Her colleague was Miss Betty Garland of Bakersville.

Fifteen other colleges and universities from Washington, D. C., to Gainesville, Fla., was represented in the debate competition. The forty-four teams presented debates during the three days.

"Serving As Loyal Citizens through 4-H" is the theme which North Carolina 4-H Club members will use in observing National 4-H Club Week, March 1-9.

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