Effectiveness, Cost of Municipal Water Fluoridation Discussed

in a series of three articles by Dr. have. This applies to both first John C. Brauer, dean of the and permanent teeth. 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 tains the proper amount of fluo-

communities whose public water supplies contain one part per 1,-000,000 or more of fluorine have only one-third as much dental dewhich 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 develop ing, the greater protection

Miss Hoyle In Tournament

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

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

Miss Hoyle, 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.



Try Herald Classifieds

Stone Street

(ED. NOTE—This is the second against tooth decay they will

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 if the water in their homes con- state dental director, who conducted the study, has reported that among 5 to 6 year old chil-Research has produced much dren in Newburgh there has been evidence showing conclusively a 115 per increase in the number that children born and reared in 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 reduccay as children who drink water tion 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.

Fluoride can be added to public water supplies to help prevent At Lambeth Rope tooth decay among children at a yearly cost of only 4 to 14 cents

The exact cost depends upon for this week is Frank Burke, the type of fluoride compound plant manager of Lambeth Rope used, the amount of fluoride in Company located off Phifer road. the water before fluoridation, the size of the community and the per tain in September, 1950, Mr. capita use of water.

Sodium fluoride is most com- pany's sales office in Charlotte. monly used in the fluoridation process, but Dr. H. Trendley been associated with Lambeth Dean, head of the National Insti- Rope for 24 years. tute of Dental Research, recently pointed out that sodium fluosili- the first of this firm's located in cate is much cheaper and just as the South. The home office is in effective.

The cost of treating 1,000,000 has been in business for nearly 60 gallons of water with sodium fluoride at the rate of one part per million is \$2.15, while the cost chusetts and attended Amherst seven round debate tournament when sodium fluosilicate is used college. is only 76 cents, Dr. Dean said.

One reason for the difference, he explained, is that fluosilicate a native of Massachusetts. releases 50 per cent more fluorine than the most expensive source dren, three, Mary secretary for her father, Tommy who is a senwhen combined with water. ior in high school, and Ellen, who

Calcium fluoride would be the cheapest source of fluoride, but is in grammar school, are still at because of its insolubility it would home. be difficult to use. Other sources of fluoride available are silico dence formerly occupied by Mr. fluoride, hpdrofluosilicic acid, and and Mrs. D. R. Hamrick. hydrofluoric acid.

There are two types of fluor. and dry feeders for large ones. ide 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 in-

The rate at which fluoride is in fluoridated water. For that equired determines the choice reason, fluorides should be addof feeder desired. This rate is de- ed after the alum treatment. termined by amounts of water tity of fluoride in water be deconsumed and of fluoride prestermined at plants where fluoride in the consumed and of fluoride presticed because if

eral rule, solution feeders are too little floride is added, no They Bring Results used for small water systems beneficial effects will result. To make flouride determinations, a comparator has been so design-Closing March 15th For Repairs ed that the average water works operator can read it with accu-

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Feb. 28--Mar. 6

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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,

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He is married to the former

liss Millicent Booth who is also

The Burke's have eight chil-

They are residing in the resi-

The mechanics of feeding flu-

orides are no more involved than

in water purification.

Burke was manager of the com-

Burke Manager

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, Fujio, Creekmore; Picture Book of the Weather,

Christmas Bells are Ringing, Brewton: The Forest of the Night, Cur-

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

Lucky Year, Aldis: Picture Book of Astronomy, Picture Book of Molecules, Picture Book of Radar and

Picture Book of Radio and Teleision, each by Myers; Copy for Crime, Carnac; Lady of the Mohawks, Widde-

Wild Cherry Tree Road, Har-

The Light on the Island, Glid-Hangman's Noose, Cody; The Complete Works, Riley: An American Enterprise, Carr; Inglis Fletcher B. P., Walser;

Man of the Family, Moddy;

The Coming of the Flowers, An-

The Finer Things of Life, Pat-

The Story of Phyllis Wheatley, Graham; Written in Heaven, Keyes; New Bedford, Mass. The company The Saint of a Little Way,

> La Salle and the Grand Enterprise, Nolan: The Riddle of the Hidden Pesso,

> James Fenimore Cooper, Proud-

Prima Ballerina, Malvern; You Can't Tell About Love, Lynn, Cover Girl, Putnam;

Roberta, Interior Decorator, The Right Job For Judith, John-

Louis Pasteur, Wood: Walter Johnson, Treat; Betty Loring, Lyon;

Joan, Free Lance Writer, Col-Cowgirl Kate, Johnson; The Grace of Guadaloupe

those for other chemicals used If chlorine also is added to the Gilbert and Sullivan, Purdy; The Sublime Shepherdess,

about one-tenth of the fluoride George Patton, Hatch; Curtain Going Up, Malvern; Dr. Morton, Baker; Antonin Dvorak, Purdy; Man O'War, Cooper; The Little Giant, Nolan; Jeredish Smith, Burt; Lillian Wald, Williams; Big Foot Wallace, Garst; Hawaii's Queen, Stone; The Mayon, Regli; Bret Harte of the West, Harte: Carlotta, American Empress

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: Heros of the Kalevala, Deutsch: Three Conquistadors, Garst; Goethala and The Panama Ca-

al. Fast: Heros of Annapolis, Hatch; Adventures With Reptiles, Hy-

Road to Alaska, Coe; A Treasure Chest of Sea Stories, Herzberg: The Presidents in American His.

ory, Beard; Showcase For Diane, Freer; No Pattern for Love, Williams; The Great Houdini, Williams; Connie, Theatre Director, Lis

The Psalms and Their Meaning. errien: N. C. Poets, Walser;

anah; Marshall: A Man Called Peter, Marshall. The Moving Target, MacDon-

Favorite Christmas Stories, Ca-

Mr. Jones, Meet the Master,

And Be a Villian, 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.

Events will include the 100yard, 170-yard, 440-yard and 880rard dashes, the mile run, 120yard low hurdles, shot (12pound) discus, high jump, pole yault, broad jump and 1320-yard relay

During October and November of 1951, U. S. cigarette manufacturers produced more cigarettes than during any other two consecutive months in history.



Pfc. 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 son, spent the weekend with Mrs. when he was graduated from 'Boot Camp" on February 13. He climaxed his recruit training by during his weapons training.

lectures, the new Marine has be and Mrs. Frank Ware and family come versed in such military subjects as precision drill, first aid, hygiene, and field tactics. In adrifle for qualification, he fired Canipe 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 Tamily. Afternoon visitors were Robert Ford and Jimmie Kay Bell.

Miss Edwindean Steele of Charlotte was the guest of her cousin, Miss Helen Thornburg during the

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

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.

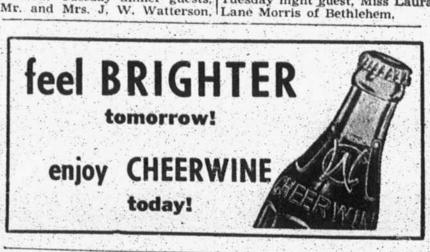
Pfc. D. C. Allen of Fort Jack Allen and Mr. and Mrs. Riley

Mr. and Mrs. Walter Ware and winning the marksman medal on daughter, Dona Lynn of Charthe rifle range when he fired a lotte, Mr. and Mrs. Buford Ware score of 208 out of a possible 250 of Kings Mountain, Mr. and Mrs. Menzell Phifer and daughters, During the past eight weeks of and Mr. and Mrs. W. F. Stone, Jr., recruit training, as a result of and son were Sunday afternoon field experience and classroom visitors with their parents, Mr.

Mr. and Mrs. Culp Ford and daughter, Martha Francis, of Shelby were Sunday dinner dition to firing the famed Garand guests of Mr. and Mrs. Lester Little Miss Ann Hamrick of

Patterson Grove visited her cou- Keith Randall, Mr. and Mrs. Mon-Bell Monday night.

sins, Misses Carolyn and Nancy roe Lovelace and Mr. and Mrs. William Wright. Mr. and Mrs. Frank Ware had Miss Annette Ware had as her is their Tuesday dinner guests, Tuesday night guest, Miss Laura



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Beneath its proud hood, there's a Fireball 8 Engine-a valve-in-head that can let loose 170 lively horsepower when needed.

And - alongside this engine - there's also an Airpower carburetor which thriftily feeds fuel and air through two smaller-than-usual barrels for normal driving-which means that you now use less gas at 40 than you'd formerly use at 30.

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.

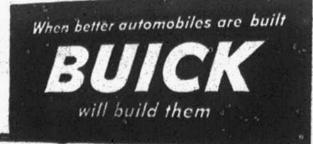
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ripment, accessories, trim and models are subject to ch Mional at extra cost on ROADMASTER only.

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