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THREE FACTORS IN TEETH CARE

Dr. C. Ulysses Moore, in his talk on "What Produces Good Teeth, and the Effect of Teeth on the Health," at the morning session of The Observer's free home-makers' institute today, embodied the recommendations that follow:

Biological research and clinical study of recent years shows that there are three chief factors in the production of perfect teeth and bones, viz., heredity, hygiene and food. A non-rachitic strain of experimental animals will not develop poor teeth and bones until the second or third generation. English history of the sixteenth century indicates that the same thing is true with man. Truly the iniquities of the fathers are visited upon the children unto the third and fourth generation. If our grandchildren are to have good bones and teeth, we must impress upon the parents of this generation the need for proper application of known knowledge.

Hygiene and environment have risen to new importance. When natural or artificial sunlight is applied to the skin of practically the entire body, X-ray pictures show a rapid calcification of bone. Primitive and savage peoples loved their skins to the summer sun and ate their food in its natural state. Their skulls and teeth are the envy of the world today.

Scientific literature of recent years contains many essays on the way different foods, food elements and necessary factors affect the teeth and other tissues. Defective enameiling of the teeth is associated with an absence from the diet of a fat soluble vitamin. In a statement made and proved by Mellanby, working with dogs, (Fig. 1 doescarassials). With guinea pigs, Percy Howe has shown that in fourteen weeks, on an inadequate vitamin diet, the teeth may be completely decalcified and that a proper diet causes recalcification. Animal experimentation points the way to a proper method of securing good teeth, but human experience must verify laboratory findings before such statements can finally be accepted. Lawson Dick, after a careful study of a group of English children, says: "The agents which determine the tendency to decay are those which affect the soft enamel organ in the earliest history of the growth or formation of the tooth."

Does malnutrition during the enameiling period determine decay? The normal enameiling time of teeth is well known. Before birth nearly half of the crown of each baby tooth and the cusps of the six-year molars are enameiled. During the first year of life, occurs the enameiling of the other half of the crown of the temporary teeth, a large portion of the six-year molars and the second half of the incisors and canines of the permanent teeth.

How rarely are the cutting edges of the deciduous or first set of teeth found with imperfect enamel! This enamel was of course laid down before the babe was born, and if the mother was in good physical condition the baby's nourishment was promptly and perfectly performed. The mother had no voluntary choice in the matter. After birth, varied and voluntary feeding begins. It is claimed that comparatively little dental work is required in children who were of normal weight at birth and were breast fed for nine months or more. If so, there must be some elements, factors, or characteristics found only in breast milk. We know that breast milk protein is digested much more easily by the human infant than is cow's milk protein. The calf has four stomachs in which to digest its mother's milk and, at that, it modifies such milk by the early addition of green grass. Cow's milk contains three times the time found in breast milk, yet the infant absorbs much less of it both absolutely and relatively. The fats of cow's milk, however modified, are digested with difficulty by the infant; in fact, the

Champ



Willis Harper, "the little Colonel" from Bevier, Ky., is the 1926 Marbles Champion of the United States. He swamped Donny Gore of Springfield, Mass., in the finals of Atlantic City, 13-0, 13-0, 9-4, 12-0, 9-12 and 10-2, astonishing the throng of spectators with his brilliant "rune."

WOUNDED IN ACTION



Corporal M. E. Prather of the United States Marine Corps detail at the Lake Denmark ammunition depot here is being bandaged after receiving serious injuries in the explosion which wrecked the place. Physicians at the temporary hospital in Dover, N. J., said he probably would lose the sight of an eye. Mrs. E. R. Churchill, a volunteer nurse, and Private D. M. Huntley of the marine corps, are standing by.

only elements of cow's milk handled well by the baby are the sugar and the water.

Let us take as an example a pair of twins, three years old. (Slides 3-4) twins who were reared in a cultured home. One was breast fed ten months; the other, through wrong advice, was weaned at three weeks. Fortunately, the naturally stronger one was the one weaned. A glance at their teeth shows

which one's diet must have lacked, during the 0-3 nine months of life some needed nutritive factor. At the same margin, the enamel was abnormally thin, decay set in, and the teeth broke off. Impressions of these children's jaws made at this time demonstrate the value of another factor which is probably functional or mechanical. When 3 years old the jaws of the one who worked for her living at her

mother's breast were about 40 per cent broader than her sister's. Good teeth demand good ancestry and proper nutrition from before birth through infancy and childhood.

Rum Runner Killed by Machine Gun Volley

OSWEGO, N. Y., July 15 (AP)—Leo Yott, of Syracuse, was killed by machine gun fire from a coast guard boat today while attempting to land 400 bags of bottled beer on the shore of Lake Ontario, about 12 miles from here. Two companions were captured by the coast guard crew and the beer seized.

The coast guard boat opened fire when the occupants of the launch disregarded an order to halt.



ST. LOUIS — A thrilling way to see the country Miss Edna Honoywell thinks is from a balloon during a race. She flew with her dad and dropped into a preacher's yard, where the balloon, as well as her knickerbockers, caused some astonishment. She's a doltless, 24 years old, and now she wants a balloon pilot's license.

TWO-YEAR-OLD BURNS SAN FRANCISCO — While two-year-old Mary Macklin's mother went to the grocery here last night the child burned to death in her crib when a gas heater exploded.

child labor in mines and night work for girls under sixteen. It fails to prohibit woman labor in mines.

South Australian railways have spent nearly \$10,000,000 for equipment made in America in the last two years.

Turlock Cantaloupes 15c Each

Ice Cold Watermelons
Good Head Lettuce
All Kinds of Berries
Swiss and Cream Brick Cheese
Potato Chips
Mayonnaise and Salad Dressing
Walla Walla and Elgin Tomatoes

Pattison Bros. Grocery

PHONE MAIN 80

Money saving

SKAGGS Distribution Without Waste CASH STORES

Cash stores

LEADING!



Naturally it feels good to be a leader. But, leadership is one thing which—to be maintained must be deserved. As in the physical race, so in the race of commerce, those who lead must always excel in actual performance. Idle boasts avail nothing. The unquestionable leadership of Skaggs Stores in rapidity of growth; in volume of business; in number of patrons and in popular favor is proof positive that they excel in value giving; in quality; in efficiency and in the spirit of genuine service which permeates the whole organization. Below are prices which again conclusively demonstrate Skaggs leadership.

Produce Features For Saturday July 17th

Fresh Tomatoes, Texas, per pound	10c
New Potatoes, best on the market, 10 pounds	25c
Lemons, those large juicy ones, dozen	33c
Oranges, thin skins, sweet 2 dozen	45c
Ice Cream Melons, per pound	3c

ALL WEEK FEATURES

HOT WEATHER FOODS		CANNED GOODS	
Shrimp—For that salad, 6 cans.....	85c	Peaches—In light syrup, 4 cans.....	89c
Tuna—White Star, 1/4-lb. tin.....	29c	Pineapple—Large tins, Broken Slice, 4 cans.....	89c
Tea—For iced tea—Skaggs Fine Quality, Green or Black, 1 lb.....	69c	Tomatoes—Fancy Solid Pack—6 cans.....	\$1.00
1/2 lb.....	39c	Tomatoes—Standard Grade, 8 cans.....	\$1.00
Snowflake Crackers—Large family carton.....	54c	Peas—Standard Grade, 7 cans.....	\$1.00
Vegetable Salad—Extra fancy—3 cans.....	\$1.00	Peas—Fancy Grade, No. 2 sieve—6 cans.....	\$1.00
Fruit Salad—Ready to serve, 2 cans.....	65c	Corn—Fancy Minnesota, 4 cans.....	89c
Soups—"Campbells"—All Kinds—3 for.....	28c	Corn—Standard Grade, 8 cans.....	\$1.00
Salmon—"McGowan's" Best—Large 1-lb. tins, 2 for.....	93c	String Beans—Fine Tender Grade—7 for.....	\$1.00
Asparagus Tips—Fancy Quality—2 small cans.....	45c	Hominy—Large tins, 6 for.....	\$1.00
Mayonnaise—"Gold Medal," pint size.....	47c	Spinach—Libby's, 4 cans.....	89c
Butter—"Wallowa" Brand, roll.....	85c	Kraut—Large tins, 6 for.....	\$1.00

FLOUR

Now is the time to lay in a supply of Flour—while we still have flour which is milled from old wheat—The price is right—

Oregon Beauty 49 lbs. \$2.19 Barrel \$8.69

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180 HORSES IN ONE GREAT ACT
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NO STREET PARADE IN THIS OR ANY OTHER CITY
PERFORMANCES DAILY AT 1 & 7 P.M.
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Follow The Searchlight To The Show
Admission—Adults 75c; Children 50c