

THE BEND BULLETIN



BIG WHEELS—Alert and ready to travel are these police dogs, training for the police show parade in Berlin, Germany. Axel, left, and Senta will "drive" the radar-controlled motorcycle in the annual display of the training and efficiency of Berlin's law enforcement forces.

Science Finds New Way to Combat Dread Disease Called Kwashiorkor

By DELOS SMITH
United Press Science Editor
NEW YORK (UP) — As you have expected, science couldn't rest easy with the knowledge that skimmed milk will take care of kwashiorkor, which is a strange disease as well as an odd word.

Science has just found out that it is the casein in skimmed milk that does the trick.

Another piece of outlandish-sounding knowledge is that enough sweet peas for long enough in the diets of young rats will cause their bodies to take themselves apart, so to speak. That piece of knowledge worries science. If it could be fully understood, the understanding might produce wonders.

Kwashiorkor is a wasting, lingering, debilitating disease which afflicts many thousands of human beings, particularly in Africa. Its cause was finally traced to a consistent lack of protein in the diet. Comparatively recently, it was found that the mere taking of such a protein-rich food as skimmed milk would start the wasted human being on the road to health.

But to provide skimmed milk for all the sufferers was a task staggering to contemplate. So a group of Union of South Africa scientists, headed by Dr. J. F. Brock, professor of medicine at the University of Capetown, set out to find out just what in skimmed milk produced the wonderful effect.

Formulas Prepared
Skimmed milk is not simple. It contains two important proteins, casein and lactalbumin. Also it contains vitamins and minerals in trace amounts and some carbohydrate.

They prepared formulas. Each contained one ingredient only. In three centers of South Africa, they treated groups of kwashiorkor sufferers with one formula or another. Only one formula had the same effect as skimmed milk. It contained casein mixed with water, glucose, and salt.

The discovery gives rich promise for the final conquest of the disease because casein can be man-made in part. But the scientists, in reporting to the world of science in the medical journal "The Lancet," revealed that they were still investigating. Having found out what in skimmed milk did the work, they now want to know what in casein does it.

The fascinating mystery of the sweet peas (and other legumes) was presented to the scientific world by Drs. William B. Bean and Ignacio V. Ponseti of the State University of Iowa through a technical publication of the American Heart Association. They studied the autopsy records of 27 human beings who had died of dissecting aneurysm and found striking similarities to laboratory rats whose living skeletons had been made to more or less fall apart with a diet

dominated by a meal made of sweet pea seeds.

An aneurysm is a weakening of an arterial wall to such an extent, the wall balloons out. A "dissecting" one is one which does just that—it takes the wall apart, by softening and then liquefying. As a disease, it is rare and no one had suggested before that it could be connected with diet.

But the rats on the sweet pea meal diet had developed hunched backs and other skeletal defects, and hernias. The diet acted upon the body's "ground substance," which, the doctors pointed out, is "the glue which holds the frame together."

Dr. Ponseti had conducted some of the rat experiments. He was impressed by how many developed dissecting aneurysms while developing skeletal defects. Arterial walls are based upon "round substance," as bones are. That led to the study of human cases and the discovery that many had had skeletal defects.

You can see what a fertile field this could be. Knowing it full well, Bean and Ponseti called it to the attention of all scientists.

SAFER IN CAGES
CANON CITY, Colo. (UP) — Lions in Colorado are safer in cages.

A mountain lion, caged at the Parkdale, Colo., post office as a tourist attraction, escaped yesterday and was shot by E. J. (Ted) Filer.

Take Care When Handling Gas

BOSTON (UP)—Do's and don'ts for handling gasoline during the power lawn mower and outboard motor season as issued by the National Fire Protection Association.

1. Keep gasoline only in a standard safety can, never in a glass jug or an old oil can.
2. Keep the can in the garage or outdoors, and keep only enough gasoline on hand for current use.
3. When refilling the gasoline tank of the lawn mower or other device, always stop the motor and wait for it to cool if it is hot.
4. Don't smoke while pouring gasoline and be sure there is no other possible source of ignition nearby.
5. Do the filling outdoors in an open area where there is free air circulation. Never handle gasoline in a basement garage where the floor is below the surrounding grade.
6. Remember that the simple act of pouring gasoline from one container to another can create static electricity.

AND NO MILK
LEWISTON, Me. (UP)—Thieves or pranksters who swiped a king-sized milk bottle from the front of a dairy here abandoned it a few miles away. They apparently found the display bottle a bit too cumbersome to lug. It stands seven feet high and weighs 100 pounds.

Nearly 100 kinds of mosquitoes occur in the U. S. Several species carry diseases like encephalitis, malaria and yellow fever.

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Latest Capital Doings Reported

WASHINGTON (UP) — What's new in Washington:

When the visiting Russian farmers were here, there was a big hoe down at the Soviet embassy. There were a few red faces. The embassy had run out of forks. The wife of an American newspaperman who had been invited spoke lightly to a waiter.

The white coat (who turned out to be an American working for the center) said in a whisper, "I'll call the Kremlin. You'll have a fork in 15 minutes." In two minutes the man was back. With a fork.

That same day there was a press conference at the embassy. Something had happened to the air cooling system. The reporters were complaining.

The stock answer came from a Russian reporter who always covers Mr. Eisenhower's press conferences in the old State Department building. "He's little hovel is never air-conditioned."

The Library of Congress is disappointed because no applications have been made for song titles for hurricanes Connie and Diane. The copyright section had half a dozen before hurricane Hazel was out of the cradle.

The Army Quartermaster Corps is proud that it has fed and clothed the Army since 1776. It

now feeds more than three million people a day. The food bill for last fiscal year was 30 million dollars. And that's a lot of groceries.

The Quartermaster Corps also would like us taxpayers to know that it kicked in \$509,481 for feeding and bedding 143 horses, 539 mules, 1715 dogs. And that also includes feeding 1560 pigeons, by actual count.

Judith Dunkle, a flashy little brunette, who is the 1955 "Miss Washington, D.C.," posed for a photo picture, wearing a couple of dozen pairs of eyeglasses—all over her pretty frame. She had a mind, the press agent said, to present a pair of specs to each of the 11 judges in the Miss America contest in Atlantic City starting Labor Day. The glasses and 20 cents will get any contestant a ride to the end of the streetcar line here. The goggles of course were a gag.

Lyndon Johnson, the majority leader in the Senate, took a breather back home in Texas. He hadn't been off the airplane 10 minutes before he dialed Washington and had his staff working on things he had "forgotten to do" before he left the capital. He said he had been reading up a lot of things on the plane.

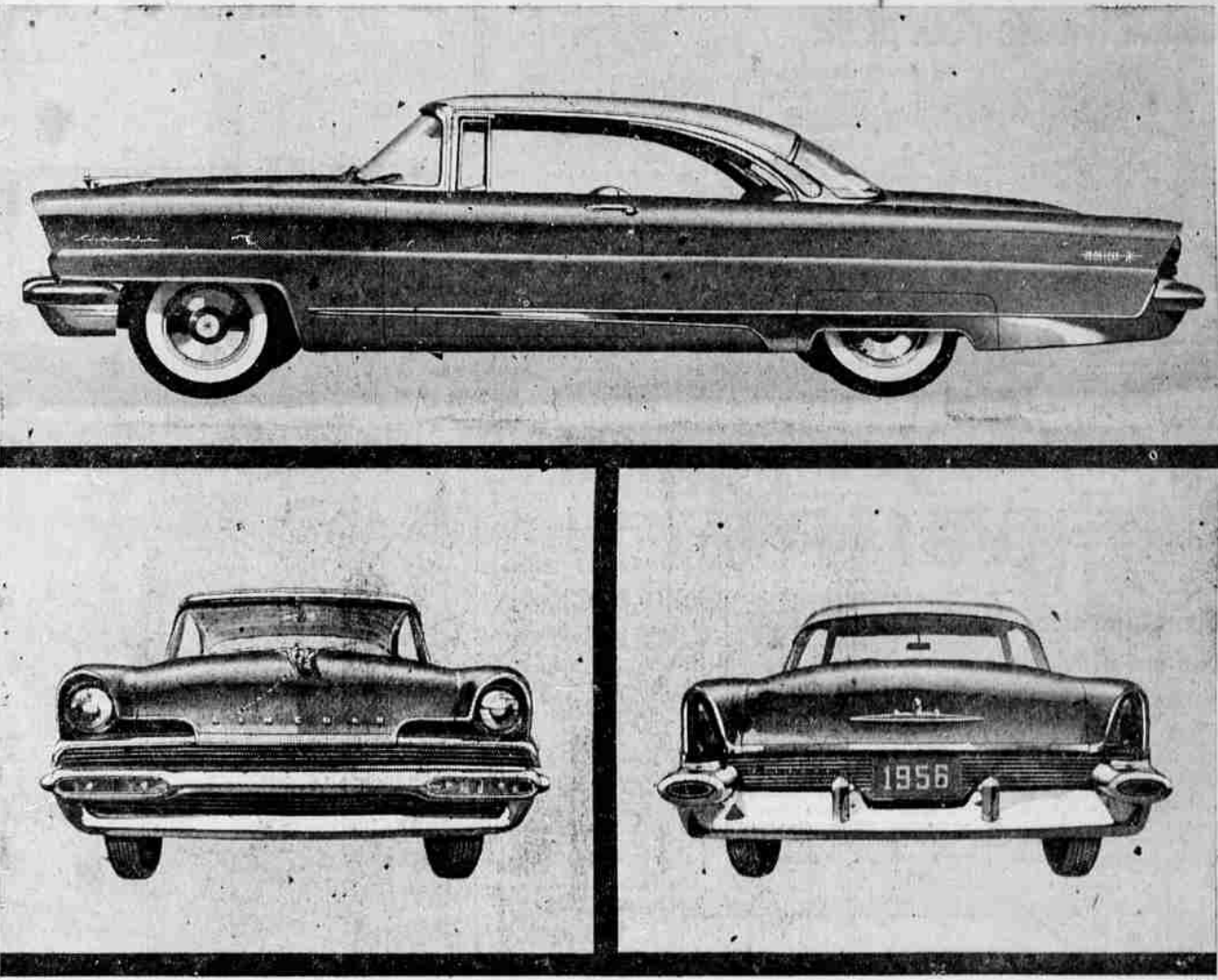
NORTH ATLANTIC ALLIANCE
Eight original members of the North Atlantic Alliance were the United States, Canada, The Netherlands, France, Belgium, Luxembourg, Britain and Norway. Denmark, Iceland and Italy joined later.

They're Here



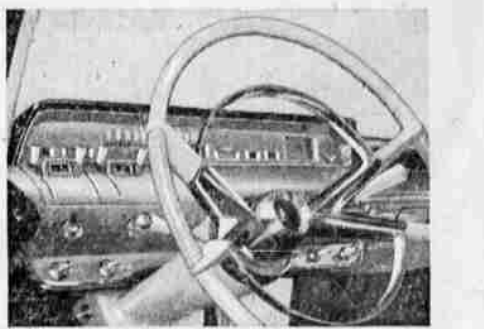
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HERE IS THE CAR YOU WILL WANT MOST FOR YEARS TO COME 1956 LINCOLN

This is the most beautiful automobile ever built in America. If you will look again at the top picture (side view) you will see that Lincoln has added a fourth dimension to automotive styling...time. Many advertisements before this one have claimed that one or another make of car seems to be moving while it is standing still. We feel that Lincoln is the first ever to take your heart with it. Note here the unbroken horizontal plane of the new Lincoln beltline...it begins at the tip of the headlamp hood, and strikes straight back to the hood over the tail lamp. Then from the upper edge of the grille flows the saddle line—straight across the length of the car to the rear deck trim (with twin jet-pod exhausts built in). Even the fender trailer is comprised of one bold stroke across the lower part of the car, accentuating the sleek, crouching look of this bigger, longer, lower '56 Lincoln. A heavier Lincoln, too—a steadier, more comfortable, road-hugging Lincoln. With the brute-power of a 285 h. p. V-8 engine, designed to more than uphold Lincoln's 3-year position as America's Top Performing Car. Come feel the pulse of the long-heralded never-until-now realized era in automotive design and action. Give wings to your imagination in America's finest car—the '56 Lincoln.



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