

Arteries Studied To Find Key Of Nature for Longer Lives

By DELOS SMITH
UPI Science Editor

New York — (UPI) — Seeking nature secrets which could give people longer lives, four scientists worked directly with a key part, and no others. They were working with 941 main heart arteries which had been removed from as many bodies.

The first question to be answered was which arteries among the 941 were the most extensively "hardened," since "hardened arteries" are one of the chief reasons why people don't live longer than they do. To get that answer was largely a matter of sorting arteries.

But comparing the most hardened with the least hardened arteries gave no clues to why one set should be more "hardened" than the other. This second question was

the payoff one and the scientists, of course, would have liked for the arteries themselves to provide the answer.

Not getting it there, they did the next best thing. They checked comparatively on where the arteries had come from. The most "hardened" had come from the bodies of persons who had lived in New Orleans. The least hardened ones belonged to Guatemalan Indians.

Now, there's a riddle for you, or is it?

The scientists didn't think so. The New Orleans arteries, in common with most American arteries, had been subjected in life to diets with an approximate 40 per cent fat content. Guatemalan Indians have comparatively little fat in their diet.

The scientists felt this added another item to the circumstantial case that relatively high fat diets keep the cholesterol and other fat levels of the blood high, which "hardens" arteries, and in the end shortens lives. This case is accepted as proved by some scientists but still is regarded with suspicion by others.

Clinch Case
The detached arteries investigation was a unique one in the efforts of science to find the real reasons for "hardened arteries," whatever they are, and so get new knowledge with which to prolong life. They were detached from the bodies of persons who died in general hospitals in New Orleans, Guatemala

City, and San Jose, Costa Rica, at all ages from one to over 80.

Obviously there are more differences between New Orleans whites and Guatemalan Indian than just the states of arteries and the kinds of diets. Among them are distinct racial differences, and racial ancestry has something to do with the staying elasticity of arteries.

But the Costa Rican arteries seemed to clinch the case against a high fat diet. They came from whites with much the same European racial ancestry as the New Orleans whites, and similar diets. These Costa Rican arteries were less "hardened" than New Orleans arteries, but much more "hardened" than the Indian arteries.

Interestingly, arteries from children under 10 showed some degree of "hardening" in all three groups. Arteries from persons under 30 when they died had "hardened" at the same rate in all three. But after 30 the New Orleans arteries had "hardened" at a staggering rate compared to those of the other two groups.

The investigation was that of Drs. Carlos Tejeda, Ira Gore, Jack P. Strong, and Henry C. McGill Jr., of the Institute of Nutrition of Central America and Panama, Harvard School of Public Health and Louisiana State University Medical School. They reported their finds to the American Heart Association.



KNOCKED OUT—A collapsing fireman stumbles out of the burning Smith and Lang Building in Stockton, Calif. Eight firemen were overcome by smoke and hospitalized; at least 30 other persons were treated at the scene.

Top Rodeo Hands Expected for Emerald Roundup

Eugene — A purse of \$8000 and a special all-around cowboy award of \$500 is expected to attract many of the country's top rodeo cowboys to Eugene Aug. 1-3 for the four performances of the Emerald Empire roundup.

The \$500 prize is new this year, and offered by the Oregon Golden Triangle association to the top cowboys competing in roundup's in Klamath Falls, Eugene and Prineville. Cowboys must compete in all three rodeos in order to qualify.

Bigger this year than ever before the Emerald Empire roundup will offer four rodeos instead of three — Friday and Saturday nights and Saturday and Sunday afternoons. There will be two buckaroo breakfasts, from 6 a.m. to noon, on Saturday and Sunday.

The giant roundup parade, which last year drew 40,000 spectators, will be at 10 a.m. Saturday, and the roundup dance will be at 9 p.m. Saturday. All events except the parade will be at Lane county fairgrounds.

Guest stars for the roundup this year will be Rusty, Rint-Tin, and Lt. Rip Masters. Also on hand will be Slim Pickens, star of movies and television; Mel Lambert, an outstanding rodeo announcer; Mack Barry, rodeo clown; the winner of a "Queen for a Day" show in Hollywood; and other rodeo personalities.

Stock will be furnished by Christensen brothers, and will feature "Warpaint", recently voted the world's top bucking horse.

Navy Night Set At Local Theater

The Lithia drive-in theater will hold a "Navy Night" Wednesday, July 30, according to Navy reserve officials here.

Anyone wearing a Navy uniform will be admitted free to the opening performance of "Enemy Below" starring Robert Mitchum. The companion feature is "Island in the Sun."

During the four-day run of the movie of U. S. Navy submarines in action representatives of the local Navy reserve division will keep an information booth in the snack bar to answer questions of all interested persons.

The Family Council

Editor's note: The Family Council consists of a judge, a psychiatrist, three clergymen, a newspaper editor, a women's editor and two writers. Each article is a summary of an actual report. The Family Council does not give advice; it merely reports on problems that have been dealt with by responsible agencies and counselors.

Clive F.—If we join anything, it should be Maureen's church.

Maureen F.—Why not join the group that will be most helpful to us?

Clive F.—My wife and I have been married ten years and have three children. We are of different faiths and neither of us is particularly interested in religion.

We moved to a new community recently and I am setting up a professional practice here. My wife feels we should join my church because it would be beneficial from a social and business point of view. Also she says the children should belong to something.

I don't like joining any church for such a reason. It just goes against the grain. I have pretty much repudiated my religion and I don't want to come back as a beggar needing a handout. If we join anything I would rather it be her church.

Maureen F.—My church is a minority group in this community. Besides, it is a minority that I don't particularly care to associate with or to have my children involved with. I don't see why life should be made difficult for them because of any connection with a religion they don't really belong to. Clive doesn't realize that the majority of people who attend church do it for social and business reasons anyway. We would not be the only ones. We are certainly not hurting anyone by doing this. I want to be both honest and sensible about this thing. All religions are essentially the same in their ethical teachings. Why not join the group that will be most helpful to us?

The Council—We would also like to be honest and sensible about this, but find it a little difficult in the face of so

much dishonesty and insensibility.

Clive and Maureen are basically dishonest about facing the fact that their disowning of their religions is not rooted in any sound or valid understanding of what they have renounced.

It appears from both statements that they are both essentially interested in turning their backs upon their own kind, their own families, their own heritage. Very likely, this was a prime motive in their crossing religious lines in their marriage.

Deprived of their spiritual heritage, Clive and Maureen have become frank materialists and make a fetish and God-substitute out of their hatred for their own kind.

We don't blame Clive for being ashamed to come to his church as a beggar needing a handout. Unfortunately, he doesn't realize how big a handout he really needs.

As for Maureen, we think she is in no position to judge the motives of others in joining a church. She can understand nothing of the thoughts and feelings of individuals who are less wholeheartedly and crudely materialistic than she.

We can only answer this question with more questions. Are Clive and Maureen really satisfied with themselves as human beings now they have achieved a measure of freedom from the values that nurtured them?

Are they content to pass on to their children their own spiritual starvation and restless craving to use their fellow creatures only for their own advantage? Do they feel they have a right to deprive their children of knowledge of the spiritual values that are the oldest and deepest heritage we have?

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Scientist Believes Man May Some Day Crack Time Barrier

Philadelphia — (UPI) — Most people are familiar with speeds that crack the sound barrier. But what about cracking the time barrier?

There's a scientific theory that man may some day travel fast enough in space to "get ahead of time." Another way of saying it is that Rip Van Winkle had spent his 20 years snoozing in a trip through space aboard a hypersonic rocket ship, he might have come back younger than he started out.

It's not as silly as it sounds. Albert Einstein, in enunciating his theory of relativity a half-century ago, explained to the handful who could understand him that time almost stands still for something that's moving fast enough.

Proof at Hand
Today, Dr. I. M. Levitt, Director of the Franklin Institute's Fels Planetarium here, says the actual proof is at hand as we have satellites into orbit to radio back the story.

Levitt, who designed the world's first "space clock" to record interplanetary time variations between the earth and Mars, has developed a new series of clocks to demonstrate how time slows down for a body as it approaches the speed of light.

For example, if a space ship can be accelerated until it attains a speed of 167,700

miles a second—about 90 per cent of the speed of light—Levitt said the traveler would age but 10 years on a trip during which the stay-at-homes on earth were aging 23 years.

Levitt explained that the closer we come to limiting speed of light—186,000 miles a second—the more time is slowed down, until at the speed of light, if such were attainable, time would stop.

The slow down—or time dilation—is normally imperceptible, but sensitive instruments can show the effect at hypersonic speeds. **Would Gain One Second** "I hope to see in the next few years," said Levitt, "a sat-

Vandalism Fouls Up School Construction
Vandalism two nights last week plagued construction work on the new addition to Medford Senior High school, 815 South Oakdale ave., according to city police.

Alfred Oliver Loud, foreman for the Vermiculite Construction company of Seattle, reportedly told police that \$100 of vermiculite compound was ruined Thursday night and 30 feet of waterproofing, Friday night.

Oceans cover about 70 per cent of the globe.

Migrant Farm Workers Confined In Most Camps, Writer Learns

Editor's note: This is the second of four articles about America's migrant farm workers. In the first article Louis Casseles said the average family will make about \$1,000 in a good year.

By LOUIS CASSELES
United Press International
The Somerset Labor Camp, on route 13 near Princess Anne, Md., is listed by government officials as a place where relatively "good" housing is available to migrant farm workers.

It is a group of ancient wooden barracks, built in 1934 by the Civilian Conservation Corps and used during World War II to house German prisoners of war. Since the war it has been operated by the Somerset County Truck Growers Association.

The Somerset Camp stands empty for about seven months of the year. It starts to fill up in June when migrant families begin their annual trek northward from Florida to harvest the beans, tomatoes and other vegetable crops which ripen during the summer on the rich farmlands of the eastern shore of Maryland and Virginia.

From June through October, Somerset Camp is home to 650 adult migrants and an uncounted horde of children. The adults pay rent of \$1 per person per week. No rent is charged for children, so no one bothers to enumerate them.

The barracks are divided

into rooms each about 15 by 16 feet, with a single screened window and an electric light bulb hanging from the ceiling. The rule is one family to a room, although families of more than six people sometimes get an additional room. Six iron cots pretty well fill a 15 by 16 room. The space left over is used for a kitchen corner, which usually includes a two-burner kerosene stove, a galvanized iron water bucket, a few pots and pans. Water is hauled from an outdoor spigot between the rows of barracks.

Each group of barracks has a communal wash room which includes separate shower and toilet facilities for men and women, and a place to do laundry.

There are a few—a very few—migrant camps better than Somerset. The model camps operated by Seabrook Farms in New Jersey and by the H. P. Cannon & Sons cannery at Bridgeville, Del., are examples.

Outdoor Privvies

There are thousands of migrant camps that make Somerset look luxurious by comparison.

In a tour of three states—Maryland, Virginia and Delaware—where migrant labor plays an indispensable role in agriculture, I saw 50 camps with outdoor privvies for everyone with flush toilets. I saw many families living, eight or 10 to the room, in unscreened vermin-infested shanties where the stench was enough to gag a maggot.

In general, the larger camps which are operated by growers cooperatives are the best. You find the worst conditions in what migrants call "private housing"—the converted barns and tenant shacks made available to migrants by some (not all) individual growers.

Growers point out that they are not solely responsible for the conditions that exist in migrant camps. Many migrant families have known nothing but filth and poverty all their lives, and they do

not make model tenants. They put shoes down the flush toilets. They tear up screens so it will be easier to pitch dishwater out the window. They carve holes in the floor to avoid a trip to the privvy.

Hard to Persuade

It is very difficult to persuade a grower, who is having his own troubles with farm prices, that he should spend a lot of money improving housing that will be occupied by such tenants.

But the growers who have invested in decent housing find that it pays off. H. P.

Cannon II, president of the Cannon cannery at Bridgeville, said his neat concrete-block houses attract "a better type of migrant family" and "the good workers keep coming back year after year." Operators of other good camps have made the same discovery. Migrants can be taught to obey the elementary rules of sanitation and to take pride in helping to keep their camps clean. When they are housed like human beings, they begin to act like human beings.

(Next: How they travel.)



CAUTION ABOUT DIETING

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