

# Chemists Praise Value of Soybean

Nutritive Value of Protein Declared As High As That of Milk

There was a symposium on the soybean in Kansas City. Eminent chemists got up to pay their respects to the bean, which has a history going back 5,000 years.

There was Dr. A. A. Horvath of the University of Delaware's Agricultural Experiment Station, for example. "In 1932 some nine million pounds of soybean oil were used for soap-making," he proclaimed. In fact it is because the cheap soybean consists of about 20 per cent oil that the soap-makers were among the first industrialists to take it up in a big way. Dr. Horvath referred scornfully to the advertising lads who insist that coconut oil is an essential in hard-water soap. Soap made of soybean will lather well, he vouches.

Dr. N. F. True sang of the soybean as a food. For centuries the bean has been eaten in the Far East. The nutritive value of its protein is as high as that of milk. Hence the growing use of soybean milk and soy foods for babies. "There are significant amounts of vitamins B and C," reported Dr. True. In fact the lowly soybean seems to be so excellent a food that it is mixed with candies, soda-fountain beverages, chocolate, health drinks, ice cream, macaroni and prepared sauces.

## Fermentation by Molds

An American farmer who saw mold growing on his soybeans would probably wring his hands. The Chinese farmer would rejoice. In fact, he likes his soy foods fermented by molds, just as we like pickles and cheese fermented with the aid of bacteria. The soybean sauce that the Chinese waiter hands you with chop suey is a fermented soybean product, in case you don't know it.

Most of the soybean foods are made from beans from which the oil has been squeezed. What becomes of the oil? The soap-makers cannot possibly use it all. Dr. E. F. Ware illuminated this phase of the subject. Paint-makers use enormous quantities of the oil. The buildings of Chicago's Century of Progress Exposition were coated with soybean paints. Millions of automobiles glisten with enamels in which soybean oil is an ingredient. Yet Dr. True admitted that "soybean oil is not ideal for paint"; it does not dry fast enough. So paint-makers blend it with other oils.

## Multiplicity of Uses

Soybeans can be used for every thing from hay to hairpins, it seems. Mix the meal of the bean with formaldehyde (after the oil has been pressed out) and you have a plastic that can be molded when hot. Paper-makers use the protein separated from the meal to coat and size their stock. Soybean glue holds piles of wood together.

Dr. H. E. Barnard, director of research of the Farm Chemurgic Council, even expressed the opinion that artificial wool might be made out of these same proteins. The Italians are now trying to make wool out of the casein of milk. In a Wellslike glimpse of the future Dr. Barnard saw the "passing of the cow and sheep" if the soybean lives up to his hopes.

Dr. H. E. Barnard expressed on the result of all this chemical activity. About 5,000,000 acres in this country are given over to their cultivation. But the world's center for commercial beans is still in Manchuria. But we are doing better and better. Thirty years ago only eight varieties were grown in this country; today more than sixty are listed in seedmen's catalogues. If the industrial and food uses of the soybean increase it will rank with corn as a major American

## Mosquito Pests

Much can be done by community action in reducing the number of mosquitoes which affect the comfort and health of citizens generally. Mosquitoes breed largely in temporary bodies of water, such as snow and rain pools and river flooded areas. They develop only in water, and the method of control which ultimately gives most satisfaction consists in eliminating the breeding places by drainage or by filling, and, in the case of large flood areas, by dyking and pumping. Filling and levelling of low places where the water accumulates should be carried out wherever possible. Care should also be taken to prevent mosquitoes breeding in artificial containers, such as water barrels, either by emptying or screening them.

Barking for Beer: Rah, a Birkenhead black retriever, has drunk 4,000 pints of beer in eleven of his twelve years. He takes it from a glass, drinking it beside his master's feet, and barks for it every night.

# IN DESPAIR WITH RHEUMATISM

Had Given Up Hopes of Relief Now Finds Life a Joy

Whether you have rheumatism as badly as this woman had it, or whether you merely get an occasional twinge, you will certainly be interested to know how such a severe case was relieved:

"I feel I should like to tell you," the woman writes, "how much better I am, since this time last year for taking Kruschen Salts. I could almost say I am quite relieved of rheumatism in my legs, as I can now go up and down stairs like a normal person. Last year I couldn't bend my right knee without suffering terrible pain. It is such a pleasure to be alive now. At one time I really began to think I could find no relief. I was also a great sufferer with constipation and I find nothing better than Kruschen Salts."—(Mrs.) M.A.

Rheumatism is commonly caused by deposits of uric acid which lodge in the body. Kruschen helps to break up these deposits and converts them into a harmless solution, which is promptly removed through the natural channels.

## Linking The World By Telephone

The linking of all parts of the world by the telephone is proceeding at an amazing pace. It is now possible for a telephone subscriber to sit in his home or office and telephone almost any country without delay.

There has, for instance, just been established a direct radio-telephone service between Great Britain and Kenya, a British colony and protectorate in East Africa. The links are combined in London and at Ngong, near Nairobi, for connection to the respective telephone networks. The wire and the wireless system work together. The charge for the new service is £4 10s for a three-minute call, and it is believed that there will be fair use of the convenience despite the cost.

Major Tryon, the Postmaster-General, believes that the near future will see the completion of a telephone network, which will afford communication by the spoken word between all parts of the British Commonwealth. Thus will empire distances be still further "shortened." — *Edmonton Journal.*

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# SCOUTING

Here There Everywhere

A brother to every other Scout, without regard to race or creed

A collection of samples of wood of trees growing in Ontario sent by the Boy Scouts of Acton, Ontario, to the Boy Scouts of Acton, England, was acknowledged by a letter from J. Ewart Smart, Director of Education of the Borough of Acton. The collection was shown to boys in attendance at the various school handicraft centres of the Borough before being handed over to the Scouts for permanent display in their headquarters.

A new 100-acre camp site within hiking distance from the end of the eastern Toronto street car line will be the hiking and camping mecca of many of Toronto's 9,000 Scouts and Cubs this summer. The size and topographical features of the site will permit of numerous individual troop camps.

Sea Scouts of the 2nd Edmonton (St. Faith's) Scout Group are competing in making models of the famous ship recently featured in the movies, H.M.S. "Bounty."

The 23rd Hamilton, which last year had 12 Scouts out under canvas over the 24th of May, this year will have 20 Scouts and 3 leaders, the Scouts including the "Viking" Sea Scout patrol. The Vikings will take along a

boat which they have recently acquired.

Eighteen boys appeared on one meeting evening as applicants to join the 4th Kitchener (St. Mary's) Scout Troop. As a result plans are under way to organize a second troop.

A truly international Boy Scout troop is that at the Canadian Academy, Kobe, Japan. Its membership includes boys from Canada, the United States, England, Austria, Guatemala, Holland, Spain, Denmark, Iceland, the Channel Islands, and a Jewish boy of a family exiled from Germany.

A contingent of Boy Scouts under leadership of the Headmaster of the Harrow County School, will represent Great Britain this summer at a large Scout camp to be held near Colmar, Alsace, to celebrate the Jubilee of the Eclairiers (Scouts) Unionistes de France.

That Rover Scout training had proved a valuable foundation for other study by theological students at Bishop's College, Lennoxville, was the tribute paid by the Rt. Rev. Philip Carrington, Lord Bishop of Quebec.

## Dr. Hind Denies Dominion is Over Producing Wheat

She Says The Matter of Distribution Is to Blame — Countries Self-Contained

CAPE TOWN—Dr. Cora Hind of Winnipeg, Man., interviewed here on her tour of South Africa, said:

"No, Canada is not producing too much wheat. This idea of over-production is all 'tommy rot'. There is not sufficient wheat today to meet the requirements of the world. It is all a matter of distribution."

She explained that in her travels she found a tendency among all of the countries to be self-contained. This feeling grew as a natural sequence of the war, and resulted in scientific organization on the continent trying to increase the output and the quality of their country's products. In several of these countries the scientists were trying to cross the hard spring "Marquis" wheat with their own winter wheats. This hybrid wheat was doing well.

"In several countries that I have visited I found that they have fixed high prices for home-grown wheat to encourage local production. The effect of this is that several countries which have been wheat importers now produce sufficient wheat for their own requirements and are even being faced with the problem of what they are to do with their surplus."

Dr. Hind "covered" Russia for her paper by going down the Volga for 2000 miles and then cutting across the country by air for 1500 miles. What she saw in Russia was enough to convince her that in another five years' time that country would swamp the world with wheat produced and distributed at a price with which no other country could hope to compete.

Dr. Hind travels through the Union and up Africa as far as Alexandria, from where she will fly to India and then on to Colombo, Australia, New Zealand and finally to South America.

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## Sees Big Advance In Next 25 Years

Greater Than in Past 75 Years If There Is Peace, Says Dr. Tory

MONTREAL — Development of Canada's natural resources during the next 25 years, if there is peace, will grow more than it has during the past 75, Dr. H. M. Tory, Ottawa, honorary director of the Association of Canadian Clubs, said at the annual meeting of the Women's Canadian Club here recently.

There was every justification for an optimistic attitude in Canada, he said. The right combination of land and climate had created conditions to make a civilization.

Canada was a large country, communications were easy, centres of population were close at hand, he continued. The people, the two greatest civilizing and colonizing races in the world combined into one nation, were virile, intelligent and progressive.

The past generations had made a magnificent job of Canada, Dr. Tory said. Mistakes had been made, he admitted. Canada was even now paying the piper for stupidity in early transportation development, but, he said, there never would have been a Canada had it not been for the railways.

Dr. Tory praised the tendency to study national problems. Unity must be maintained, he said, and provincial barriers should be broken down even more than they now are. Canada must take leadership in intellectual movements, he concluded, for an educated people was the foundation of civilization.

## British Farmers Visiting Canada

VICTORIA — Forty-four members of the British National Union Party of Agriculturists are in Victoria on the last leg of a tour that has taken them to India, South Africa, Australia and New Zealand. The party headed by Major-General Francis J. Duncan, will study Canadian farming methods before returning to England. They plan stopping at Niagara Falls, Ontario.

Visitor — "If your mother gave you a large apple and a small one and told you to divide with your brother, which apple would you give him?"

Junior — "Do you mean my big brother or my little one?"

## New Seed Potato Certified WARBA

The new Warba potato is without a doubt, the finest origination of a century in the early potato class. It has been tried in many parts of United States and Canada and all results have shown that it is fully two weeks ahead and more productive than the well known early variety Irish Cobbler. Its shape is roundish, skin and flesh white, eyes about the same depth as those of the Cobbler variety, but pinkish in color. It cooks well, is delicious and keeps very well. Our trial at Macdonald College last Summer, has convinced us that it will soon be the leading early variety of potato for our northern climate. While our stocks last:

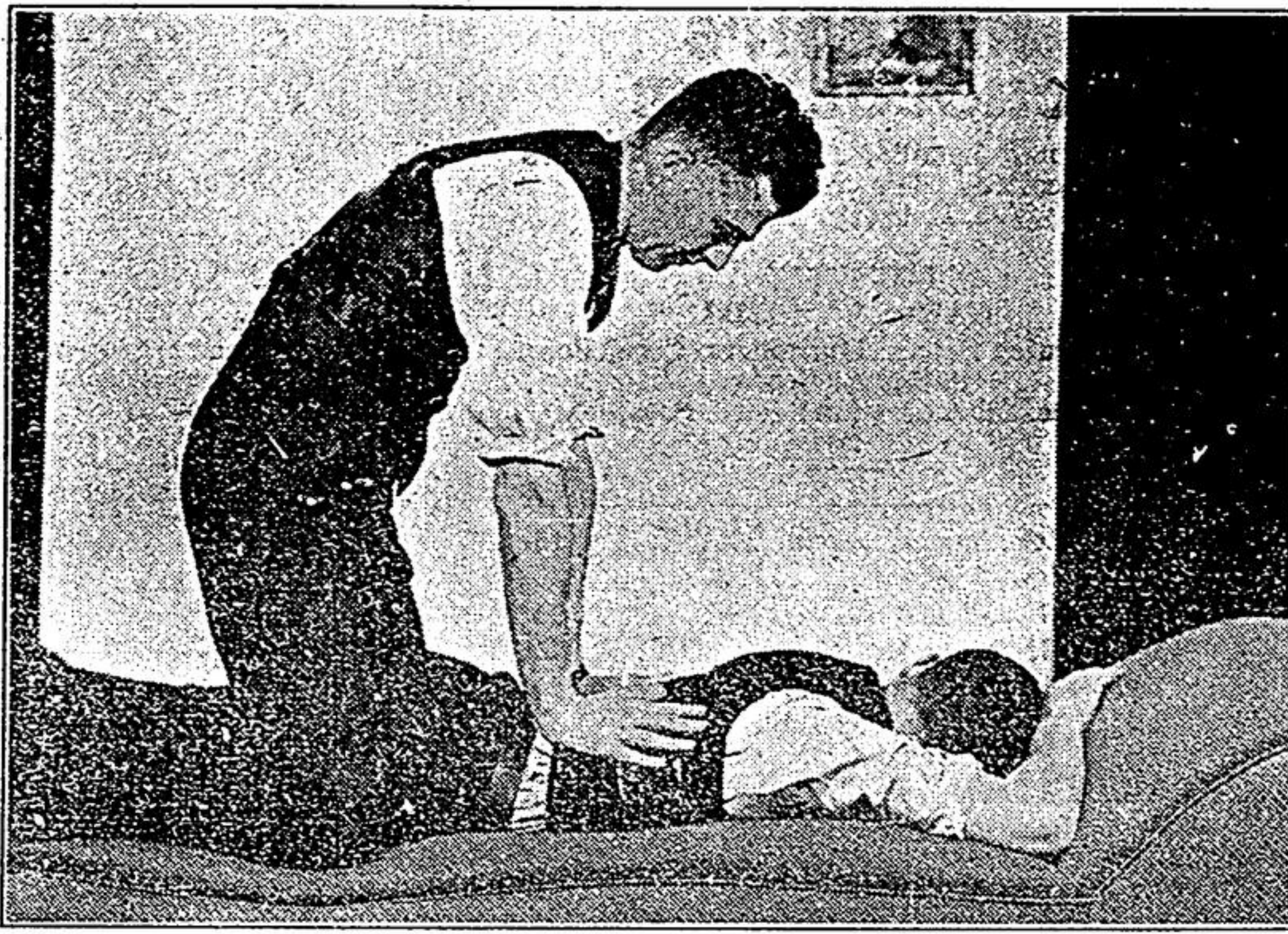
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## Thought He Was Dead



"My father is dead! Where can I get a doctor?" shouted a small boy as he rushed into a store in St. Catharines.

Alex Junkin, Bell Telephone Installer, was in the store and suggested that Dr. E. D. Coutts be called. Trained by the First Aid courses provided by the telephone company for just such an emergency, Mr. Junkin followed the boy to his home. He found the father lying on a couch where he had been placed by his wife who had discovered him, lying in the bathroom, overcome with gas fumes.

Mr. Junkin at once applied artificial respiration, at the same time asking that hot coffee be made and plenty of blankets be supplied. In a very few minutes the heart action could be felt and in a short time he was sufficiently conscious to swallow a little hot coffee.

When Doctor Coutts arrived he assured the Bell Telephone man that his intelligent and speedy action had undoubtedly saved the man's life.

# HAVE YOU HEARD

The sales manager's wife had called at the office, to be told that he was in conference.

He (when conference was over) — "Were you terribly bored while waiting for me, dear?"

She — "No darling. I amused myself with those ducky little colored pipe in that map on the wall. I changed them around and made them look much prettier."

Man — "Have you noticed how a woman lowers her voice whenever she asks for anything?"

Neighbour — "Oh, yes. But have you noticed how she raises it if she doesn't get it?"

Life Insurance — Money that a man provides for his widow and then borrows from her.

Yet there are people who spend money for beefsteak when they have not seen a moving picture for more than a week.

And usually you can recognize an only child. It has a thermometer sticking in its mouth.

Boaster — "Yes, when I was in Africa a lion ran across my path. I had no gun in my hand so I took a pail of water and poured it over his head and he ran away."

Bored Listener — "I can vouch for that. I was in Africa at the same time and the lion ran into me and when I stroked his mane, it was still quite damp."

With one woman in every eight working at a job outside, in 1936, it looks as if the day of "the woman in the home" may be reaching the vanishing point about 1950.

The Minister (to his milkman) — I want to speak to you about the milk you have been delivering to me lately — we don't require it for christenings.

Man and wife should have the same religion, the same taste, and the same idea about the proper frequency of baths.

Jefferson — "What do you think of the two candidates for mayor?"

Pennington — "Well, I'm glad only one can be elected."

## New Model Kitchen Exhibited At Fair

British Architects Use Canadian Materials Extensively

LONDON, Eng. — For feminine visitors to the British Industries Fair one of the outstanding displays was a complete model kitchen designed by the well-known British architect, Frederick Barber, L.R.I.B.A., F.I.B.D. In recent years, enormous strides have been made in housing throughout Great Britain and the housewife's chief work room has not been overlooked.

To Canadians, some of the kitchen terms will be interesting but unfamiliar. The word "cooker" is used instead of stove and an "electric fire" is included in the equipment to take care of the heating of the room. The larder is an essential as well as hatch fittings.

On investigation, much of this new British kitchen originates in Canada. Metals are widely used, the windows, for instance, being metal and the natural Canadian alloy of nickel and copper, monel metal, is used for practically all working surfaces, for table tops, larder shelves and the hot-water boiler. Cooking utensils are of pure Canadian nickel while nickel-chromium alloys are used for electric heating and cooking elements.

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## Road Mileage

Almost one-third of the highways of the world are in the United States. The total road mileage in the entire world is a little over 9,200,000 miles. Of this mileage, almost 3,900,000 miles are in North America and South America. Europe has 3,300,000 miles, Asia a little over 1,000,000, Australasia a little over 500,000 miles and Africa just under 400,000 miles. Of the mileage on the two American continents, the United States has over 3,000,000 miles out of a total of 3,900,000 miles.

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