EXPEDITIONS TO THE POLES

AMUNDSEN SAYS THEY JUSTI FF ALL THEY COST.

Some Important Features of th Great Work Are Pointed

Is it worth while t is the question I am often asked, writes Explorer Amundsen in the American-Scandinavian Review. Are the results such as to justify the enormous expenditure of human energy and wealth consumed in polar expeditions Your researches may interest a few learned scientists, but of what practical benefit can they be to the men who plod in the common ways of life! No doubt this old his German friends, to establish question will lift its head again, four or more meteorological stanow that my companions and I are tions, to be placed in such a way on February 5th, 1810, preparing to start on our long pro-jected voyage to the arctic regions. sin, where I shall be closed in—one plans, I expect to carry them out precisely as I first stated them becomet fore the Norwegian Geographic Solety in October, 1908. The experience we have gained on the antiatric continent can be of little or no service to us as the conditions we expect to encounter are entirely different, and we face now an extended of the conditions.

Siberia, one in Spitzbergen and one Great Britain has invested 2372, by following better methods of feeding of the condition of the condition of the condition of the conditions of the conditions of the world in 1861 was we expect to encounter are entirely different, and we face now an extended on the high more expected to carry them out the first in Labrador. If this can be done for a longer period and one in Labrador. If this can be done for three fourths and in the same time, and the producing continuous and the population of British colonies in all parts of the world in 1861 was estimated at 143 millions; the population to day is well over 400 millions.

Siberia, one in Spitzbergen and one Great Britain has invested 2372, by following better methods of feeding done with the same time, and the producing continuous different and it is the labor and expense connected with winter feeding done away with, but each cow is expected to give the best results of the year on the high probable that as much loss occurs and in this way cover a much loss occurs.

Much More Exhaustive Manner pleasure paties. The solution of the currents in the sir; be gone five years, but are prepared to spend seven years in the pared to spend seven years in the arctic regions, if necessary to compared to spend seven years in the arctic regions, if necessary to compared to spend seven years in the arctic regions, if necessary to compared the seven years in the state of the currents in the arctic regions, if necessary to compared the seven years in the state of the currents in the arctic regions, if necessary to compared the seven years in the state of the currents in the currents i arctic regions, if necessary to com-plete our plan, which includes a conditions the world over. In speaking of the scientific of the north pole, and out again on is hazardous and that much suffer-

Is It Worth While?

My answer is that to extend in the time has already done much while. The time has surely come when we human beings can no quarters of the globe. If it is postable to taking inaghetic costs and has already done much of China, with an area of 30 square miles, was captured by Captain excellent work in this field in all light on August 23rd, 1839, and while if this change in feed is made when we human beings can no quarters of the globe. If it is postable to taking inaghetic costs and the results of the property of the prope

of the earth. If the power they generate were suddenly to cease, all activity on the earth would come to an end. It is a new thought Shows the Character of the Person to most of us that life and power come out of the frozen fastnesses of the poles, and yet it is true. We have all learned in our schooldays how the heavier water of the arctic of shoe-soles. It was discovered by regions presses in on the equatorial Professor Garre, of Basle, Switzer- tralia, at the age of eighty-two. regions, and so causes ocean cur-rents, just as the same process in this rich and unexpected source of and vegetable life of the ocean.

cold waters from the polar basin of an excellent mother. life they contain—then the expedi- Ulysses in mythology.

will constitute another important ous thinker, more careful of his phase of our expedition. In this I thoughts than of those about him. am working in conjunction with He dreams while walking. He is Professor Hergessell, Count Zep- the astronomer who falls into a pelin's partner, who is in sympathy well. with the project. I propose to take 4. An oval hole in the sole. This a wireless apparatus with me and has the shape of the big toe, from



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through the generosity of some of Although the north pole has been being probably in Alaska, one in proximately only one person in production per cow could be in-

servations. Our work in this field afloat on the high seas of the world. to supply the necessary amount of the Atlantic side of the continent. will dovetail with that of the Car- Canada is nearly thirty times as nutrients. We know well that the undertaking negie institution, which has at its large as Great Britain and Ireland, service the good ship Carnegie, the total area of the Dominion bearing only 237,000 square miles less than that of the whole Continent of gradually rather than suddenly is wood and copper, with a special Lurope.

when we introduce the state of even the little planet on which we with the Carnegie, adding my ob- 20th, 1841. servations to those of Professor Representatives from Great Bri- scarcely noticed. we have and are we owe to the Bauer, both being worked out sim- tain, Australia, Canada, and New we have and are we live the scientific scientists, the patient searchers af initaneously, then the scientific ter knowledge. Without them we world will at last have a completed this spring, probably in May, to distinct the scientific that the sci ter knowledge. Without them we should probably still be killing our meat with stone knives and crunching it raw. Knowledge must first come to the scientists before it can be applied to the practical everyday concerns of the world and become of henefit to all humanity.

The importance of the polar records with at last have a completed magnetic record from which to make deductions. This will probably in May, to discuss the question of Imperial naval defence.

Rotorua, situated 170 miles southeast from Auckland, is justly famous for its wonderful boiling geyday concerns of the world and become of henefit to all humanity.

The importance of the polar record from which to magnetic record from which to make deductions. This will probably in May, to discuss the question of Imperial naval defence.

Rotorua, situated 170 miles southeast from Auckland, is justly famous for its wonderful boiling geyday concerns of the world and become of henefit to all humanity.

The importance of the polar records with the dairyman must defence.

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The importance of the polar record from which to magnetic record from which to magnetic record from which to make deductions. This will probably be the only opportunity for such defence.

Rotorua, situated 170 miles southeast from Auckland, is justly famous for its wonderful boiling geyday.

The importance of the polar records is so long, the case of the polar records is so long, the case of the question of milk for the year. This suggests what the dairyman must defence.

Rotorua, situated 170 miles southeast from Auckland, is justly famous for its wonderful boiling geyday.

The importance of the polar records is so long, the case of the question of milk for the proposition of milk for the propos The importance of the polar re- ably well fitted for the purpose into rheumatic ailments. The importance of the polar regions in the household economy of Nature is little realized. The north

WAY YOU WEAR OUT SHOES.

the air causes the trade winds, but divination of character. According it is only recently that the science to him the way you wear out your to face one more day, so long will of oceanography has revealed to us shoes is an indication of your char- he be a factor in the race for mathe stimulating, rejuvenating effect of these frigid currents on the plant and vegetable life of the ocean.

shoes is an inflication of your her had acter surer than the lines on your hand. Here are the several types looms constantly in front of him, of soles as laid down by the discov-who lives in retrospect has cheated

fish life is waked to activity; the fishes begin to spawn and become, as it were, resuscitated. If my polar expedition brought no other result beyond an exact study of the sult beyond the sult beyon polar currents in question, their by unexpected channels, and the the goal which is yet hidden. The course, velocity and direction, as shortest. In strategy, a man like well as the animal and vegetable Hannibal, Alciabiades in politics, feels his spirits flag, never lacks

tion would richly have paid for itself.

3. Worn on inner edge, sign of bow-legs; the wearer of this shoe is debilitated physically, but a vigor-debilitated physically, but a vigor-

Professor Hergessell hopes, the constant pressure of that toe a resolute disposition; arrives at clean and clear decisions; sure of his conclusions and aim. The intellectual athletes which are sculptured by the rude hand of Rodin have this foot, which grips the earth and bites into it.

5. Worn back of heel and ball of foot, docile character, a mind open to all influences; accepting suggestions from any one; follows the simple life; smiles at fate; goes his way

without harming any one.

6. Worn toe and external side of heel, a dreamer or a sceptic; an industrious trifler, who unravels life his age. as he can in the light of fancy and . Mr. Stackyard- Maybe ver was, little effort; as we say, "he was birn tired," but he is curious, is much more duller nor others." DYE, one can buy-Why you don't even have to know what KIND of Cloth your Goods are made nevertheless. A type of flirt and happy idler.

The popularity of chicken pie may account for the high price of year. Shiloh costs so little

UNDER THE FLAG.

Interesting Facts and Figures Concerning Our Empire.

No fewer than 117 newspapers are published daily in Canada.
Of the total gold output of the world the British Empire supplies nearly 60 per cent. The savings of the natives in In-

duction of milk. One is the adapdia is believed to amount to something like £300,000,000 in gold tability of the cow used for this purpose and depends upon her indi-So strong is the light emitted by vidual breed characteristics. The

Jamaica fire-flies that the presence other is the amount and kind of of six will enable a person to read. food eaten. The problem confront-Within the boundaries of the ing the dairyman is the production Commonwealth of Australia almost of the largest amount of milk and every known fruit can be culti- butter at the least expense. In or-

A large number of English wild the important factors mentioned song birds are being sent to British must receive careful attention, Columbia, where song birds are writes Mr. C. H. Eckles. very scarce.

Guadaloupe, a West Indian expense is for feed. Everyone fa-island discovered by Columbus in miliar with the prevailing condi-1493, was captured by the British tions knows that a large amount of South Africa has a total popula results it should. It would be safe

drifting across the polar basin from the Behring sea, across the vicinity of the expedition I wish to lay established and out again on the Behring sea, across the vicinity of the north pole, and out again on the magnetic object of the scientific value of the scientific value steamers, representing an aggreation amount of dry matter, and it is at order to continue to produce most impossible for a heavy milking cow to eat enough of such feed point stress on the emagnetic object of the north pole, and out again on the scientific value of the scientific va

My answer is that to extend hu- view to taking magnetic observa- Hong-Kong, an island off the coast When a cow is changed at once from

Nature is little realized. The north pole have been aptly called the two steam boilers of the power they fifteen years of age and under have entered the married state.

Pied with jewelled silver chains in bundles of fifty, and lying in an First—An abundance of palatable

Wearing Them. ivory casket, 2,300 love-letters, food.

The new "science" is called written by six different girls, were Sec

Always a Better To-Morrow.

So long as a man has the courage The Teeming Fish Life

The Atlantic ocean depends for its existence on the food brought it on the currents from the virgin ice-fields of the north. With the mixture of the northward flowing warm current and the southward flowing cold waters from the polar basin of an excellent mother.

The Teeming Fish Life

1. Wearing out sole and heel by an even pressure, an energetic and well-balanced character, "a sane mind in a healthy body"; the sole of a good business man, of a reliable employe, a good husband, a good father, a faithful husband, or of an excellent mother.

Who lives in retrospect has cheated the boatman of the Styx and enumbers the machinery of this world. To live is to be up and doing to-day, not to be counting on the things that are and will be, not to say that to-day is not so good as yesterday, but to declare that to-morrow will be the heat day the unit

man acclaimed as successful never the courage to face another day,



The Rev. Sharpe-"I'm sorry you have taken Fred away from school. was at school years after I was



Un the Farm

Feeding for Milk Production.

There are two factors which

largely control the ecenomical pro-

der that this may be realized, both

In most cases the largest direct

feed is used without producing the

Wheat and Rye Pastures

the effect on the taste of the milk

Second-A balanced ration.

Third—Succulent fied.
Fourth—Moderate temperature.

Fifth-Comfortable surroundings.

There is some difference of opin-

ion regarding grain feeding while on pasture from the viewpoint of

There is no question but that a

cow will produce more milk if fed

grain while on pasture, and if a large yield is of more importance than economy of production, grain

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In speaking of the scientific value steamers, representing an aggre- amount of dry matter, and it is all order to continue to produce as the cattle are on pasture and the

As long as fresh pasture grasses way they can are abundant, the ordinary cow is about as well provided for as she ly. Unfortunately, the season of abundan pasturage is sometimes short. In many localities, a dry can be to produce milk economical-

MANITOBA

give the best results of the year on level of production long. The neone year with another by lack of level of production to the Royal titles of grass. In changing from dry feed pennion compared to which our trip to the south pole was a mere pleasure jaunt. We shall probably be gone five years, but are pre-

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