

IF POLE WERE FOUND FEAT CAN BE PROVED

Washington Scientists Declare Dr. Cook Would Be Practically Unable to Maintain Present Position Unless His Claims of Discovery Were True.

If Dr. Cook actually reached the North Pole is it possible for him to prove his achievement?

It would be easier to discover the Pole than to "fake" records to establish the claim.

That is the answer Washington scientific men give to the question the world has been asking since the announcement of Dr. Cook's success.

Dr. Cook must bear the burden of proof. He and not the world stand a chance of being imposed upon, for it is possible that he failed to make adequate observations, but it is hardly possible, scientists say, to compile records that are not genuine which will pass muster in expert inspection.

That is why they consider speculation useless regarding the rival claims of Dr. Cook and Commander Peary. The records will show.

Method of Proof.

Three factors enter into the method of proof that will adjudge Dr. Cook's claim.

His observations, taken with a sextant, must tally with conditions known to exist at the time he made his observations.

In case an attempt was made to "fake" a record the very accuracy of such a record would be his undoing for certain errors that would have crept into his calculations would be missing.

A third pitfall, not of an astronomical nature, would be the difficulty of duplicating the thumb-worn and dirty log book with the semblance of being compiled under conditions in which the explorer is supposed to have worked.

Prof. Willis Moore, chief of the Weather Bureau, finds in the last two points the greatest protection against a fraud.

"If Dr. Cook was an expert astronomer and also an expert mathematician it would be just possible for him to compile a day-to-day record that might hold water. This looks to me to be a difficult task. But granting he could do this it would be still harder to duplicate a thumb-worn log book, and the lack of errors in his account would convict him. For he had no means of knowing, even if he compiled his record under the most favorable conditions, to reproduce the errors that arose from his working at the time he claimed to have stood at the pole."

Not Anticipating Conflict.

For these reasons, Mr. Moore declared, scientific men were not anticipating any great conflict of the Cook and the Peary claims after the records had been submitted to proper authorities.

"The observation made by an explorer would be similar to those of a navigator. Since he has not the facilities of the ocean liners and war vessels have, his observations probably would vary slightly, but, if they were taken carefully, should not deviate more than a few minutes beyond the accurate computation. To make these observations would not require so experienced an astronomer as it would to duplicate them had they not been made. All the instru-

ments needed would be a sextant and a mercurial horizon, the latter being a plate and a tube of mercury used to get an exact level.

The observations would be based upon the apparent elevation of the sun above the plane of the horizon. The proof of finding the pole would be when this elevation remained practically the same all through twenty-four hours and to ascertain this the discoverer must have remained at the Pole for at least twenty-four hours.

Making Observations.

The methods of making observations are described as follows by Prof. Milton Uddenraff, professor of mathematics, U. S. N., and director of the Nautical Almanac.

"An explorer approaching the Pole at any time on April 21, when the sun is above the horizon to an observer at the Pole, would make observations of the height of the sun. At the same time he would take the time on his chronometer or his watch. On arriving at the Pole he would continue to make such observations for perhaps a day or longer, making an observation once every hour or two. Such observations, actually made under the conditions prevailing there, would, when examined by an expert astronomer, probably contain tolerably conclusive evidence of their genuineness.

"An explorer approaching the Pole in the months of October to February, when the sun is below the horizon at the Pole, he might observe the stars instead of the sun.

"On April 21, 1908, when Dr. Cook claims he discovered the Pole, the declination of the sun, that is its distance from the equator, would be a little less than its true declination. To an observer at the Pole the atmosphere would slightly increase its apparent height above the horizon. The motion of the sun in declination at that time is about fifty seconds of arc per hour or about twenty minutes. This is equivalent to one-third of a degree or about one-third of the diameter of the sun itself.

At 12 Degrees.

"To an observer standing exactly at the Pole, the sun would during the day, move around the horizon at an altitude of about 12 degrees, the height slowly increasing as the declination of the sun increases by one-third of a degree a day. If the observer were provided with a sextant and mercurial horizon he would probably measure the altitude of the sun hour by hour, and aside from the above mentioned gradual increase in the declination of the sun the altitude of the sun should remain the same, then the observer would know he was stationed at the Pole.

"In approaching the pole and at a distance of say 50 miles from it, the path of the sun would be somewhat inclined to the horizon, but on approaching within 100 miles to within 2,000 feet, an approximation of the described condition would be found.

"Upon Dr. Cook's ability to make these observations with benumbed hands, no facilities for conveying his instruments, and the most discouraging conditions for recording them, rests his claim to the discovery of the North Pole."



"Square Deal" Grocery Selling

In Which Neither of Us Get "Tied Up"

The grocer who allows credit gets "tied up" with "slow pay" customers so that very often he himself hasn't the cash to buy to the best advantage—the result is that he must charge higher prices.

And the customer who buys on credit gets "tied up" with the credit-giving grocer to an even greater degree—for every cent of credit secured he must pay a truly tremendous rate of interest in the shape of higher prices. Another thing that makes his grocery bill bigger than it should be is the fact that people have a habit of buying more extravagantly when they do not have to pay immediate cash.

We buy in carload lots for our chain of stores and pay cash—that's one great saving. We do a strictly cash business, and customers remove their own purchases, thus greatly reducing the size of our bookkeeping department and eliminating an expensive delivery system entirely—that's another great saving. The benefits secured by these two great savings are given to our customers in grocery prices whose lowness defy competition.

The prices we quote are not on limited quantities for a limited time. They do not change from day to day unless the market shows a decided change, and then the prices are just as liable to be still lower as they are to be slightly higher—always lower than elsewhere.

Every Purchaser Is Protected by the Broad Guarantee of Money Back for Goods Returned for Any Reason

"Star of the East" Finest Winter Wheat Patent Flour, bbl. \$6.75 \$1.70 1/4 bbl; 6-lb. trial sack, 22c.	Ginger Root, lb. 10c	Snowdrift, or substitute, per lb. 9c
Argo Red Alaska Salmon 14c	1-lb. Tall Cans 7-11 Brand Salmon 8c	Choice Potatoes, per pk. 25c
Quart cans Maraschino Cherries 45c	1-lb. Flat Salmon, Stork Brand 10c	Sweet Potatoes, per pk. 30c
(Pint bottles usually sell for 50c.)	1/2-lb. Cans Salmon 5c	Jumbo Brazil Nuts, new crop, lb. 10c
Granulated Sugar, per lb. 5c	White Wave Fish, in shreds, pkg. 3c	Eagle Brand Condensed Milk 13c
35c Golden Crown Coffee 21c	Sunset Brand Catsup, small 5c	Challenge Brand Condensed Milk 9c
30c Santos Peaberry 19c	Greater New York Worcestershire Sauce 5c	Navy Brand Condensed Milk, 4 for 25c
25c Fancy Maracaibo 17c	Joshua Longfield's Worcestershire Sauce 9c	10c cans Lakeside Brand Evaporated Milk 6c
20c Everybody's Coffee 14c	Leslie's Worcestershire Sauce 14c	10c cans Blue Label Evaporated Milk 6c
3c boxes Essence for Coffee, 3 for 5c	Fig Bars, per lb. 9c	8c cans Blue Label Evaporated Milk 5c
1 pound of \$1.00 Tea, any kind, for 50c	30c bottles Olive Oil 20c	5c cans Blue Label Milk 3c
1 pound of 50c Tea, any kind, for 29c	Large bottles Olives, plain or stuffed 18c	2-lb. cans Kairomel Sirup 8c
1 pound of 40c Gunpowder Tea for 23c	Small bottles Olives, plain or stuffed 9c	Puritan Brand Condensed Soup, can 5c
1/2-pound cans Wilbur's Cocoa for 19c	10c jar Apple Butter 8c	5-lb. cans Kairomel Sirup 20c
10c cans Wilbur's Cocoa for 8c	25c High-grade Pound Cake 15c	Drawbridge Brand Tomatoes, large can 7c
25c cakes Milk Chocolate for 17c	12c jar Mixed Pickles 8c	Small cans Kipperd Herring 9c
10c cakes Milk Chocolate for 7c	Mason's pint jars Mustard 8c	Large cans Kipperd Herring 14c
Soda Crockers, per lb. 7c	Mason's quart jars Mustard 10c	10c cans Solarine 6c
1/2-pound cakes Baker's Chocolate 18c	Mason's quart jars Black Molasses 10c	Colt Brand Sugar Corn, 4 cans for 25c
1-pound packages Seeded Raisins 7c	Mason's 1/2-gal. jars N. O. Molasses 15c	Vacation Brand New York Corn, can 7c
Fancy New Citron, per lb. 14c	Mason's 1/2-gal. jars N. O. Molasses 25c	Orange Blossom Maine Corn, can 8c
Fine Santa Clara Prunes 5c	Large bottles N. O. Molasses 10c	Quinton Oak Brand Sweet Potatoes, per can 8c
Extra large Santa Clara Prunes 7c	Large bottles Pure Cider Vinegar 5c	Dover Brand Butter Beans 7c
Old-time Family Flour, per bbl. \$6.25 \$1.60 per 1/4-bbl. sack. 20c for 6-lb. trial sack.	Large Cucumber Pickles, sour, each 8c	Challenge Brand Lima Beans 7c
5-lb. packages Breakfast Hominy 14c	12c bottles India Relish 8c	Champion Brand String Beans 5c
2-lb. packages Breakfast Hominy 7c	Halves of large Sweet Pickles, each 1c	Monocacy Brand Sifted Early June Peas 7c
Quaker Corn Flakes 8c	High-grade 10c Toilet Paper 5c	Monocacy Brand Extra Sifted Early June Peas 8c
E. C. Corn Flakes 8c	5c Toilet Paper, 3 rolls for 10c	Tiny Gem Petit Pois 12c
Egg-o'-See 8c	10c jars Petroleum Jelly 4c	Martin Wagner's Extra Preserved Strawberries, per can 7c
Pettijohn's Breakfast Food 12c	5c bottles Blue 2c	Martin Wagner's Club Cocktail Pineapples, per can 7c
Quaker Oats 9c	6 blocks Crystal Blue for 4c	Wagner's Pineapple Wafers 10c
10c Minute Tapioca 7c	25c size Scluhles Grape Juice 19c	Pyramid Brand Pineapple Cubes 7c
10c Pearl Tapioca 7c	Extra large Lemons, dozen 12c	Golden Cube Pineapples 10c
10c Pudding 7c	Navy Beans, per lb. 4c	Merry-Go-Round Pineapples 12c
10c Jellicon 7c	Lima Beans, per lb. 7c	Del Ray Grated Pineapple 12c
Union Corn Starch Three for 10c	4 lbs. Fancy Whole Rice for 25c	Wagner's Extra Fancy Grated Pineapple, per can 19c
10c Indian Corn Starch Three for 10c	White Corn Meal, per pk. 25c	3 cans Tomato Pulp for 10c
10c Banquet Mustard 6c	Yellow Corn Meal, per lb. 2c	Red Line Baked Beans, can 4c
10c Macaroni 6c	15 lbs. Ice Cream Salt for 10c	Dog Head Beans, small, can 5c
10c Spaghetti 6c	10-lb. bags fine Table Salt 8c	Dog Head Beans, large, can 11c
12c Royal Macaroni 7c	5 small bags Salt for 10c	Pot Brand Baked Beans, can 7c
Quaker Matches, full count, dozen 10c	Bi. Carb. Soda, 7 lbs. for 5c	Regina Brand Lemon Cling Peaches, per can 12c
Cracker Meal, per lb. 5c	10 lbs. Washing Soda for 10c	Paragon Brand Plums, per can 10c
1 lb. Rubbed Sage for 10c	10c cans Giant Lye 5c	U-Auto-Eta Peas, large cans 7c
1 lb. Mustard Seed for 10c	3 lbs. Best Gloss Starch for 10c	High-grade Ruby Beets, can 10c
1 lb. Celery Seed for 10c	United States Mail Soap, per cake 3c	Garland Brand Strawberry Beets, can 10c
1 lb. Whole Allspice for 9c	3 cakes Oleine Soap for 10c	Sea Lion 1/2 Oil Sardines, can 2c
1 lb. Whole Cloves for 15c	3 cakes Glycerine Soap for 10c	Pine Tree 1/2 Mustard Sardines 2c
1 lb. Mixed Pickling Spices for 12c	3 cakes Tar Soap for 10c	Continental 1/2 Oil Sardines, with keys, 3 cans 10c
25 Nutmegs for 5c	10c cakes French Process Toilet Soap 4c	Imperial 1/2 Mustard Sardines 7c
5c packages Stick Cinnamon 3c	Kirkman's Borax Soap 4c	Reindeer Brand Smoked Norwegian Sardines, in olive oil, can 8c
1 lb. Ground Black Pepper, strictly pure, for 10c	Export Borax Soap 4c	25c size Golf Leaf Baking Powder 10c
1 lb. Ground White Pepper, strictly pure, for 15c	Babbitt's Best Soap 4c	Winner Brand Baking Powder 5c
1 lb. Ground Cayenne Pepper, strictly pure, for 15c	Babbitt's New York City Soap 5c	Louisiana Molasses, per can 7c
1 lb. Ground Mustard, strictly pure, for 15c	Columbia Scouring Soap, 3 for 10c	1-lb. cans Corned Beef 12c
1 lb. Ground Cinnamon, strictly pure, for 15c	Pearl Soap (8c size White Floating) 4c	Superior Preserves, jar 7c
1 lb. Ground Ginger, strictly pure, for 15c	Grandma's Powdered Soap 2c	Maryland Preserves, jar 8c
No less than one pound at these prices.	Medium size 4c Large size 12c	Peerless Corn Sirup Jelly 2c
25c bottles Bee Brand Vanilla or Lemon 19c	Kirkman's Scouring Powder 4c	Pure Apple Jelly Tumblers 8c
10c Vanilla or Lemon, 4 bottles for 25c	Bestene, the dirt cleanser 4c	Black-eye Peas, per lb. 5c
10c Machine Oil, 3 bottles for 10c	Babbitt's Scouring Powder 4c	Wagner's Marwaco Conserved Fruits, jar 19c
3c Candles, 3 for 5c	Babbitt's 1776 4c	1-lb. boxes Mixed Candy 10c
5c boxes Tacks, 3 for 5c	Kirkman's Soap Powder 4c	Vienna Style Sausage, can 7c
Hires' Extra Root Beer 15c	9 o'clock Washing Tea 3c	1-lb. bricks Tidal Wave Hake 4c
Bee Brand Extract Root Beer 6c	Pyles' Pearlina 4c	20c jar Peanut Butter 14c
West Falls Tonic Root Beer 4c	Fancy Full Cream Cheese 20c	Old Virginia Fish Roe, per can 8c
Gosman's Ginger Ale 8c	Best Creamery Butter 32c	Fancy No. 2 Mackerel, 6 for 12c
Wagner's Dog Head Catsup 8c and 13c	Small Fancy Lemons, dozen 10c	Fat Norway Mackerel, 6 for 25c
Navy Catsup, large 8c	15c boxes Potato Chips 10c	Cocoanut Ripples Cakes, lb. 12c
Sunset Brand Catsup 8c	Best Sugar-cured Hams, lb. 16c	Dewey Mixed Cakes, per lb. 10c
Best Corn Starch Three for 10c	Small Picnic Shoulders, lb. 12c	Honey Boys' Cakes, per lb. 10c
Duryea's Corn Starch 7c		Kingan's Sliced Bacon 24c

FOURTEEN SOLDIERS DISMISSED BY HOME

Officials of Confederate Institution Say Men Accepted General Grant's Amnesty.

LITTLE ROCK, Ark., Sept. 9.—The board of trustees of the Arkansas State ex-Confederate Home has ousted fourteen inmates in the last week, and, it is said, six others will go unless they can make a satisfactory showing.

Charles F. Martin, secretary of the board, in explaining the dismissals, said today:

"During the closing days of the civil war General Grant, knowing we could not recruit additional men, flooded the Confederate army with offers of amnesty for all who would desert the Southern army and remain neutral. We have sent to Washington and secured copies of the amnesty rolls. We found the names of the men who have left our State Confederate Home upon these rolls."

THIEVES MAKE RAID ON AUBURN DENTISTS

Go Through Northern Section of New York in Automobile.

AUBURN, N. Y., Sept. 9.—Crooks, working a line in dental supplies, raced through this section of the State last night, supposedly in an automobile, and stopping first at Seneca Falls they successfully looted the offices of Drs. John Camp, J. H. Sahler, and H. L. Belcher, obtaining respectively \$250, \$125, and \$100 in gold fillings and platinum plates.

Coming through to Auburn the robbers broke into the offices of Drs. W. A. Myers, obtaining \$140, and Elmer Purinton, where they got \$15, and overlooking a big lot of gold scrap. They left the city as mysteriously as they entered. They are supposed to be from Syracuse.

"Where Your Dollars Count Most!"

BEHREDS'

722-724 Seventh St. N. W.

7c Shaker Flannel, soft finish, splendid fleece. Special, yard. 3c	5c Boys' School Waists, in a dozen of madras; excellent patterns to select from. Sizes up to 14 years. Special. 12c	1c Children's Merino Weight Jersey Ribbed Vests, buttoned down the front; sizes 1 to 6. Special. 7c	5c Full Double Bed Size Bleached Sheets, heavy round thread with hem. Special. 37c	2c New Lace and Daintily Trimmed Collars. Special. 9c
A Blanket for These Cool Nights, at an Inexpensive Price, is Not a Luxury. 8c White and Gray Double Blankets; 10-4 size in pretty pink and blue borders. Special. 77c		If You Are Preparing for the School Dresses—Here is an Interesting Item. 1c Rich Silk Striped Plaid Double Width Dress Goods, in blue, green, red and other fancy plaid effects. Special. 12c		
1c 5-4 good weight Table Oilcloth—all good patterns. Special. 13c yd.	1c Black Mercerized Splendid Quality Satine. Special. 9c yd.	2c Boys' striped, worsted cloth, finished with patent bands. Sizes 1 to 14. Special. 2c	1c Children's Drawn Bodies for children. Taped seams, double row of buttons. Special. 8c	1c Pink, Blue, and deep cream; heavy fleece; Daley cloth. Special. 8c yd.
\$1.50 Boys' and Girls' Jersey Knit Wool Coat Sweaters In red, gray, and white. Sizes up to 34. Special. 98c		\$1.25 Percale Wrappers Black and white, blue and gray Wrappers of best quality percale, with tailor-made or fancy yokes, tight-fitting lining and wide flared skirts, finished with deep ruffle. Special. 77c		

J. T. D. PYLES GROCERY STORES

412 Fourth Street S. E. 1714 Fourteenth St. N. W. Fourth and H Sts. N. E. 1420 Seventh Street N. W.
 214 H Street N. W. 914 Eleventh Street S. E. Fifteenth and G Sts. N. E. 11 Seventh Street N. E.
 1438 P Street N. W. Sixth and H Sts. N. W. 12 Good Hope Road. 3338 M Street N. W.
 New Jersey Avenue and R Street N. W. Third Street and Maryland Avenue N. E.