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NUMBER

Three Nations Preparing to Find the South Pole, SWEDEN, SWEDEN,

While the most strenuous attack in ; the world's history is being made upon the North Pole, the still less known and more difficult problem of the South Pole g not going to be allowed to abide in paocuous desuetude. Three expeditins representing Great Britain, Gercany and Sweden, are now fitting out and will proceed, one after the other, pte the dangerous and unknown exparses that stretch for millions of miles

shout the Southern Pole, Here the unknown regions are more than four times as extensive as those about the North Pole, says the New fork Herald. The unknown area of the inter is equal to that of European Jussia, while that about the South Pole s is extent twice that of all Europe. According to the French geographer, Elsee Reclus, the moon might fall in the unknown regions of the Antarctic the unknown regions of the Antarctic without touching any known country. There has never been anything like the activity in Antarctic as in Arctic the activity in Antarette as in Arctic discovery, During the last century only a half dozen expeditions put forth in the long quest of Antarctic research. In 1838-40 Dumont d'Arville, the French explorer, conducted two expeditions south of Cape Horn and New Zealand. At the same time the American, Wilkes, made some observations in the same neighborhood. And then James Ross, leading an English expedition, discovleading an English expedition, discov-ered Victoria, the most southerly point reached by any man. This is the grangest land in all the world. A huge

shell of ice rises in crystalline cliffs more than three hundred feet at the seashere, while in the very midst of his frozen world volcanoes spout fire and lava.

Sixty years rolled away before any pather work was carried on in the antarctic field. Then Carsten Borchrevink awoke new interest in this sed, after a somewhat desultory trip a whaling vessel to the land that oss had discovered. The well equipped Belgian expedition

unmanded by Lieutenant de Gerlache stered Arctic seas in 1897 and for thir-

pack. The members of this expedition were the first human beings to pass through the Antarctic winter. Their experiences and the results of their labors have been graphically described by the American member of the ex-pedition, Dr. Frederick A. Cook. The main results of the expedition were the discovery of a new strait nearly as large as the Strait of Magel-

lan; the discovery of about five hun-dred miles of new coast, and of a submarine plateau west of Graham Land and a complete series of meteorological and magnetic observations throughout one year

The last Antarctic expedition was an English one, under the command of Brochgrevink. With his ship, the Southern Cross, he penetrated to lati-tude 78 degrees 50 minutes or to within 771 miles of the South Pole. This is a 771 miles of the South Pole. This is a spot discovered by Ross and to source record which remains to be broken by the great problem of the huge ice bar-the expeditions now about to venture rier. It aims to discover new lands and rier. It aims to discover new lands and southern magnetic pole, and this will be of great value in helping scientists to determine the nature of magnetism. The sending out of three expeditions during one year discloses an unprecedented interest and stimulus in antarctic work. Early in the sixteenth century Magalan "put a line round about the earth" from east to west, and it

THE BRITISH EXPEDITION.

The British expedition will be the first to get away, and will start in its specially built ship, the Discovery, some time during this month. The commander of the expedition is Captain Robert L. Scott, R. N., and Lleutenant Albert B. Armitage is second in command. Three scientific specialists are included in the personnel—Professor John Walter Gregory, professor of geology in Melbourne university; Mr. Hodgson, biologist, and Mr. W. Shack-

leton, physicist. Dr. Rudolph Koet-tlitz, who accompanied the Jackson-Harmsworth expedition, is the surgeon and botanist, and will be assisted by Dr. Wilson, who is also the artist of

the expedition. The expedition has a financial backm months were frozen in the ice ing of \$500,000, to which the government | Admiralty are fitting her out with

Unprecedented Interest Aroused in Antarctic Exploration-Will the Twentith Century See an Earth Encircling Line Run Through the Poles?--Questions That the Discovery of the South Pole Would Set at Rest.

contributed \$225,000, and the balance : has been contributed by the Royal Geo-graphical Society and by private indi-viduals, chief of whom are Mr. Alfred Harmsworth and Mr. L. W. Longstaff, who each contributed \$125,000. The specific house to go beyond the TH required for navigation, surveying, sounding and meteorological work, and she is being provisioned for three THE GERMAN EXPEDITION.

To some extent the Discovery will work in conjunction with the German expedition, which has been equipped by the German government at the suggessouth of 40 degrees south latitude by tion of Count Posadowsky-Wehner. correcting the new erroneous magnetic curves, also locate the drifting south magnetic pole, and to advance the knowledge of southern meteorology. minister of the interior. This expe-dition also expects to sail in the latter part of July or early in August. A special ship has been constructed at Kiel for this German Antarctic expedi-tion which is constructed at Though the British are notably a nation of explorers, yet the Discovery is the first ship ever built in England for tion, which in external appearance greatly resembles the Fram, though it looks as though the early years of the Twentieth century would see an earth encircling line run through the poles. She is the sixth of her name, and all of her predecessors have done yoeman service in the fields of exploration.

service in the fields of exploration. The Discovery was launched at Dun-dee on March 21 last by Lady Mark-ham. The new Discovery is a remark-ably strong ship, being built of well seasoned oak and gregn-heart. She is solid for nine feet from her stem, which is bound round with fron plates. will be lighted by electricity. Her en-gines, which a e triple expansion, al-Her massive ribs almost touch one an-other, and her side are 2½ feet in thickness. To enable her to make a really good and dependable magnetic survey, not a single scrap of magnetic material has been used for thirty feet, all around, above and below, or fore and aft of the magnetic observatory, which is flanked by two laboratories for biological work.

The ship is 172 feet long, 33 feet broad, has a main draught of 16 feet, and a displacement of 1.750 tons. She is specially fitted for dredging, trawling and taking deep sea temperatures. The be commanded by Captain Hans Russer, of the Hamburg-American line. Though nominally equipped for two

visioned for a longer period. She will proceed by Cape Town to Kerguelen Island, where some members of the expedition will be left for a year to car-ry on terrestrial, magnetic and meteor-

ological research, this being necessary as a basis for similar studies in the ice further south. The main expedition will leave the island for its field of research during December, its main object being to find a spot on the west side of Vice toria Land where suitable winter quarters may be established and scientific experiments carried on. Meantime, in-dividual members of the expedition will journey further south, toward the pole, more particularly toward the magnetic reach. After with the main expedigreatly resembles the Fram, though it is much larger. Her length is 168 feet and breadth 36 feet. She is 2½ feet thick, draws 13½ feet of water and has a displacement of 1,450 tons. She has roomy cabins and good ventilation, and will be lighted by electricity. Her en-The third Antarctic expedition goes Iow a speed of seven knots. Part of her from Sweden, and is under the leader-outfit consists of a captive balloon, and ship of Dr. Otto Nordenskjold, of Up-

she carries five ordinary boats and one maphtha launch. The materials em-ployed in her construction are oak, pitch pine and greenheart, the latter being used chiefly as sheating for protection from the ica used chiefly as sheating for protection from the ice. The expedition will be led by Dr. Erich von Drygalski, and the scientific staff comprises Dr. Ernst Vanhoffen, zoologist and botanist; Dr. Hans Gaz-ert, surgeon and bacteriologist; Dr. Emil Philippi, geologist and chemist; Dr. Friedrich Bidlingmarer, magnett-cian and meteorologist. The vessel with be commanded by Cantain Hans Rus.

sel succeeded in securing but one whale. She was afterwards used as a whaler off the Greenland coast, and was then purchased by Professor Na-

thorst, the famous Swedish Arctic ex- | to people in general, can be set at rest plorer, who accompanied Baron Nor-denskjold on the Vega's famous jour-ney round Europe and Asia.

Professor Nathorst also used the ves-sel in a vain search for Andree. Afterward she was employed in Greenland at the expense of the Danish government, by Lieutenant Amdrup. Dr. Nordenskold then bought her from Denmark. It is the latter's intention to institute another search for Andree, and then sail southward for the more difficult Antarctic regions.

Dr. Nordensk jold proposes to sail to the Antarctic region via Terra del Fuego some time in November next, and thence he will go southward in January. At the beginning of March, when the days begin to shorten in the Antarc-tic region, he will gradually retreat northward and attempt to reach a station where he and the scientific party, with their hands, will winter, while the Antarctic proceeds on a voyage of re-search in the ice free waters around Terra del Fuego and the Falkland Islands.

In the following spring the members left on the Antarctic continent will be taken away, and the vessel will sail for home. Besides the leader, the expedi-tion is composed of six savants, a geolomore particularly toward the magnetic gist, two biologists and two experts in pole. After wintering the main expedi-tion will continue to journey westward tion will continue to journey westward cal sciences: a surgeon, fifteen hands, the captain of the ship and four officers complete the expedition.

The expedition will act in harmony with and be a support to the British and German ones. Dr. Nordenskjold has for some years been engaged planning this Antarctic expedition, and has naturally derived great benefit from the experiences of his famous uncle in this task.

The feeling of friendly rivalry and the willingness to co-operate among these three well equipped expeditions argues well for the interests of science and of mankind at large. In order to wreat from the Antarctic the secrets which have been held so long a cordon of ves-sels is required, all co-operating and coordinating their observations, and ther s ample work for all. INTERESTING ANTARCTIC QUES-TIONS.

A number of interesting questions, in-teresting not only to the scientist, but the research.

by successful Antarotic research. The answers to such questions would be a great advance in the philosophy scear advance in the philosophy of ter-restrial science. Is there land at the South Pole or water, and if land, is it populated? Has the geology of the land attything to say on the point whether a mild climate has existed at the South Pole in ages long ago, a fact which has been abundantly proceed. been abundantly proved so far as the North Pole is concerned? In the northern hemisphere there is a

polar sea almost completely surrounded by continental land, and continental conditions for the most part prevail. In the southern hemisphere, on the other hand, according to the best authorities there is almost certainly a continent at the South Pole, which is completely surrounded by the ocean These briefly are the fundamental topographical dif-ferences between the Arctic and Antarctic. In the Antarctle circle land has been sighted at numerous points, but whether what has been seen indicates small islands or a continuous coast line arctic continent hidden by ice barriers and seas perpetually tortured by hurricane blasts may not yet have been trod by the foot of man, save only if natives inhabit that land of mystery

Every department of natural knowl-edge would, indeed, be enriched by the systematic observations of a few ressels closing upon the southern extrem-ity. A more accurate knowledge of meteorological conditions in the Antarctic for instance, would aid greatly in formrg correct weather prognostications. and the weather to come is naturally an absorbing question for all civilized men. Scientists also wish to know how the compass acts at or near the South Pole. For the present important work connected with the subject of terrestrial magnetism remains at a standstill because our polar observations are not complete. When they are the causes of the slight but dangerous deviations in the mariner's compass will be known, and dealt with accordingly.

Our knowledge of oceanic currents and tides can be greatly increased by vstematic series of observations on the shores of the Antarctic continent, and geology, zoology and kindred sciences would reap large benefits from Antarc-

ALASKA SQUAW MEN. Some Great Fortunes With a String to Them - Does It

clared. The Prah carried out that day fit mules—a small load. Subsequent fit mut them into equine transports. They fit here is the equine transport. The equine transport. They fit here is the equine transport. The equine transport is the equine transport. The equine transport is the equine transport is the equine transport. The equine transport is the equine transport is the equine transport. The equine transport is the equine transport is the equine transport. The equine transport is th

Profit a Man to Be a Millionaire if He Have an Indian Family on His Hands? - Held in Contempt by White Men.

Special Correspondence.

Skaguay, June 24 .- The recent death of a man who acquired a great fortune in the Klondike region sets me thinking have just read in a paper printed in the United States a romantic story of his saiy history-how he was a poor country lad, loving a maiden poor as himself; how his "love of his life"-that is how the writer puts it-spurred him on to herculean exertion in the frozen north, how he kept it up for twelve years, when success crowned his effort. He found himself a millionaire. Then he returned to the United States and wedded the malden, who had waitel for him. Then, alas, through the

indermining of his constitution while working for his sweetheart, he died just working for his sweetheart, he died just ider the gates of earthly bliss had opened to him. It is a pretty story, but not all the story. The rest of it is that while the man was making his forune on the Yukon he had an Indian wife, a conture so gentle and devoted that she Wan the respect even of the white minwhose scorn of a comrade that takes an Indian wife is unutterable. When these heard that the millionaire was on his heard that the millionaire was on his way back to the old haunts after mar-rying the sweetheart of his youth, they made threats that they would deal roughly with him. He had eimply gone away and jeft the native wife-deserted her. The threats of violence were never theorem, but prophecies were freely tast upon the air that no good would some to the man. No good did come to him. He lost much of the wealth he had acquired, and then he died. There is a whole row of rich men in he far northwest who have married wild make women, and not one I know

tild sative women, and not one I know sets any satisfaction out of his life or all his wealth. An evil fate hangs we then all. Serves them right for harrying into an inferior race, the rord says. Perhaps it does, but their unishment is heavy.

There was one among the first gold the was one among the first gold the bas the singing voice of an angel, he has the singing voice of an angel, he has ample means, but—he has also the Indian wife and the half breed chil-dren. He can never return to his own.

Indian brothers-in-law helped him win his wealth and shared it. He took the children to the States to be educated. I saw the whole batch of them as they were starting for San Francisco, the low browed, shrinking Indian wife trying to look like a white woman and falling miserably, the wild little half breed children dodging hither and thither, the man standing by them like a man, but looking worried and asham-ed, not a chum or a friend among white men who knew him. He said he would put his children to school, then he would return to Dawson and live with his brown wife's people. "I know," he said, "that she would never be received

in society in the States." "If that fellow with the Injin wife comes in here on the trip down," said the sturdy engineer, "I'll turn the hot water on him."

There, too, was that white man at the Yukon trading post who had an Eskimo wife. The wife wore rich silks, but she was a drunkard and carried on wild orgies with her Indian mates. The hus-band's financial interests lay about the pest, so that he could neither run away from his wife nor his business. There he staid, there he says, transformed into a man of fierce temper, soured to all races and, like others who have done as he did, despised by his fellow white men. I know not what it is, but there is something implanted by nature in the soul of a white person that revolts against "herding with narrow foreheads." It must be nature's safeguard for the preservation of the superior race.

TODEPO

"ADQON

There is yet another case, to my mind the most melancholy of all. At another trading post is a white man of the highest education and culture. In a fit of desperate pique against society one day he ran away to the northwest. While the fit was on he took an Eskimo wife. Perhaps he thought to revenge himself on society, when, poor wretch, he was only revenging society on himself. He behaves himself as a gentleman, he has manners that would grace any court,

THE MULE MILITANT. America's Big Contribution to the Boer War.

By a stroke of the pen declaring live | penters and machinists, and maintaintock contraband of war this country ing an official staff here. ould have added, at a moderate estiof furnished and refurnished the musid refurnished them with pack trains. eras has been drained of mules, and ave been so nearly depleted that the " summals of 1899 bring \$90 today. ore than half as many mules and orses as men have gone to the Ength army. One hundred and one thou-

PRINCIPALS AND SCENES IN THE BIG STEEL STRIKE.

TRIKER MOMESTEAD, PA

Each side of the big steel strike now waging is confident that the other will weaken first. The steel trust magnates profess to believe that the end of the struggle is in sight and that their men will not be willing to lose the benefits of the prosperity that now flourishes in the steel industry. The strikers on the other hand, through President Shaffer, of the Amalgamated association, maintain their ability to hold out until the end. The above halftone shows principals and scenes in the big ishor struggle.

make short work of them. Occasionally storms are encountered

that toss the ships about so that many of the beasts are maimed and crippled beyond recovery or killed outright. The Corinthia encountered a gale that blew her upon a reef off Hayti in January, 1900. After five days' work in attempting to float her she was given up. More than a thousand mules were taken up on deck, and after their noses had been pointed toward land so that they might see and scent it, they were low-ered overboard. Four hundred swam the distance. The others were unequal to the effort after being pent up so long or spent their strength in vain efforts to get aboard the ship and tug boats about her.

Of late the percentage of loss among the animals has been growing less. At first any mule from thirteen to fourteen hands high or horse from fourteen to sixteen, sound of limb and in good con-dition, after three days rest to recover from the railroad journey to New Or-leans, was loaded for Cape Town. Now only an animal with a tried constitu-tion is sent. The whole workings of the department are now complete. In Kansas City, St. Louis, Dallas, Hous-ton, corrais for collection are mainained To these recruiting stations candidates are brought. Any that pass, be they one or fifty, are relained until the number has grown large enough to warrant the chartering of a train. Then they are shipped to New Orleans, where stables that will accommodate nearly 7,000 are operated. Here they are sorted and gotten into condition for shipment. The first assortment is the sick and bruised from the well. The former are sent to the hospital depart-ment. They are exercised daily and fed up for the journey. Each ani-mal is vaccinated. Then they are ascorted for fitness for the various services. Each is numbered on the hoof, and marked with a broad arrow, if for heavy artillery, and a double cross for the cavalry. Those simply numbered go into the pack trains or are assigned o some other routine work.

With the multers the qualifications have grown less rigid. At first at the offer of free transportation the officers could pick their men. All the dis-charged Spanish war soldiers who applied were chosen. But particular care was taken that they should not get near Boer recruiting station. Finally when the South African enthusiasm began to wane the price had to be raised; re-turn transportation was added. Later return transportation and \$15. But New Orleans was drained. Now hobos and tramps are enlisted from any old place. They get free transportation on the tops of the stock trains from as far away as Chicago: and the Britishers are scratching harder for them than they are for mules. It is interesting and pathetic to see the animals shipped, and it is amusing and ludicrous to see the motley conglomeration of vaga-bonds. Besides what covers his hide. a red handkerchief slung over his shoulder generally contains the entire worldly outfit of the Americo-British muleteer of today. Each goes with the intention of letting the light strike him only at meal times and lying in the hay under the shadow of a mule all the rest of the day Each thinks he is "slick" enough to evade the "cockney" boss, and has the idea that his destina-tion is a land of free gold and diamonds. Each meets a sudden and sore awaken-

ing when once aboard ship. The British officers were very much agitated the other day after one of the shipments left to see the name "Samuel shipments left to see the name samuel Pearson" on the list of muleteers. It didn't seem possible that it could be their arch enemy, the Boar general. Yet they were prepared to fear almost anything from Boar strategy and they were indeed relieved when the ship ar-rived at the other end safe. A hobo had bland is aligned to describe times. shipped in alias .- Los Angeles Times.

Brooklyn Bridge Opened to Traffic.

New York, July 26.-Brooklyn bridge was opened to general traffic this morn-ing. A large forece of workmen was kept going all through the night, and at 6:30 o'clock the repairs to the last break were finished. Traffic was very light even the work the such the such the light even through the rush hours of the morning for public confidence had net yet been restored.

AT WODK

FOUNDEY.

INA

Gen. Samuel Pearson of the Boer ate, a year to the war in South November last working diligently to After. We have mounted and re put an end to this mule supply. The wanted the British cavalry, supplied English drove him here themselves. They cut off a small party of which he to move their artillery, and furnished was in command from the rest of De-wet's forces and drove them across the

Portuguese border, and the band scat tering and reaching neutral ground by ther stock raising states of the West against his enemies. His suit in the federal court at New Orleans to stop the shipments, Judge Parlange decided, was not a matter the court could pass upon; it was for the cabinet to decide. Gen. learson was unsuccessful in his efforts at Washington. But he is still at work ,and is about to reopen the case and have been shipped from this coun- at New Orleans on new grounds.

T alone. And still a transport a tek with a thousand or more head This is by far the largest exportation live new for military propose the This is by far the largest exportation live stock for military purposes the orights of any the great commercial eye of all ations toward this country, but also thrated general diplomatic notice. Jong with the gigantic purchases of we work millions of dollars have been at in fodder and lumber, in equip-ters workyards, hiring an army state in the first shipment salled from South-port (just above New Orleans) October 16, 1899, a month before war was de-





