se Gordon Not Forgotten

Is to the British Ofho Lost His Life in dan Back in Glad-Time Will Rise he Country of e Upper Nile

terni Charles George Gory known in history as edon," "Gordon Pasha" or Khartum," is to have a rial. Not only a cathehim, but a church at I edifie t at Atbara and throughout the Upper he scene of so many of and of his tragic death. this memorial was pro-John L. M Mey, Gover-Bratch Sudan, to Gordispersed all He as's for contribufund of \$300,000. The e just forty-four years death. The force reby the British Govern-Gordon after his siege s march from the place sached it that it had it Gordon under the anatical Dervishes, just ving his office in the In two days more he

e of the most romantic e Royal Military Acaich, where his father, enry William Gordon id and where he him we his first lesson in lought as a lieutenant to-French Army in its ina. He commanded Taiping rebellion in Chedive of Egypt, to General of the Sidan. el out the slavers and cishes from all the

to the Chinese Govnew from experience date from the British rescue the Sudanes; g return of the Derv-

and Disaster

Government had orve to abandon the on not to fight but y as he could. After e villages to safety in night have followed were still others totarried too long, and f Sudanese was bem. For nine months. wernment waited for imself. Then, urged nion, it ordered Gen-Wolseley to rescue en only a two-days' eley heard that the through treachery, ant Gordon was be-Thirteen years later s machine guns re-

a appeal bids Gorunpathy to the suf-

s a Favor

is prone to tell cs upon himself. ger believed until appeared in print shed authority of accomplished Ma-, who edited her my. He told Mr. t was always his went out without h definite instrucse should do and

tion at the White eveland Adminisis had in this way wear his galoshes om. Finding the nick of time, he leased with himctics outside; still tongratulation on Mrs. Cleveland ld not resist ren from her that his wife. Holdof guests waiting riedly produced a Irs. Cleveland to e did hot," over is pencil tremblurged this as an leveland, a little wain asked her. meant, "he did into the drawing Studio Window," fierode Andrews.

d the theatre .-

A TALE OF ADVENTURE FROM THE STARK NORTH

Marooned in the Sub-Arctic While Blizzards Rage, a Party of Airplane Prospectors Send by Radio a Vivid Account of Hazards and Tragedy

States in connection with the opening the prospectors to areas in the North of our great Northland is exemplified reported to be rich in minerals. in the following article appearing in Those of us on the Patrick and the New York Times. We reproduce Michael, the base ship, made slow it as an unvarnished tale of the stark progress. For five days we were

the search for mineral wealth. in the frozen North country of Can- slowed up our progress, and it was ada, Arthur Lowe, now in charge of not until September that we finally the expedition, gives for the first reached the mouth of Chesterfield time a connected account of the tragic Inlet. At that point I left the ship adventures and trials which winter and proceeded by plane to Baker Lake forced on the prospectors when their to take charge of operations in that schooner struck a shoal and a plane area. had crashed into a lake. Wireless installation salvaged from the schoon- flew hundreds of miles, placing proser enabled Mr. Lowe to communicate pectors, taking them provisions or his dramatic story direct to The New moving them to new and more favor-York Times radio station.

> By ARTHUR LOWE Baker Lake, N.W.T.

Wireless to The New York Times, According to explorers who have traveled the Canadian Arctic, it is a land of rich promise. It may be, but minent danger of slipping into deep scant 100 miles from the Arctic Circle, I have formed the opinion that it is to salvage the cargo, and away on the also an inhospitable and forlorn land, shore an untidy dump consisting of a land of blizzards, with drifting gasoline drums, packing cases and snow as impenetrable as a London lumber. fog, and of cold so intense that it blisters like boiling water. For us, too, it has been a land of tragedy.

In the past year there has been a determined effort to crack open the North and to discover those rich min eral deposits, stories of which have been current since the days of Froner-and victory, so far, is with the

attempted to take off from the troubled waters of Hudson Bay; two other crippled for life. Together with a month in the barrens without fuel and with only a limited supply of

Prospectors Moved By Plane

But in spite of difficulties, various caches have been established in the Arctic and Sub-Arctic; invaluable data have been obtained, and those that this year the North will surrender and reveal some of its longguarded secrets.

Our expedition was sponsored by erator, who won both fame and for times with a velocity of eighty miles tune breaking new trails. A fishing an hour. It was accompanied by schooner, the Patrick and Michael, was bought and equipped for service. The expedition was placed under the During the week the small lakes froze command of Colonel J. E. Leckie, sol. over and we were faced with the dier and explorer; eighteen prospec. knowledge that unless we could get tors were embarked, and in July we the men in before the larger lakes sailed from St. John, N.B., for the Sub. froze it would be months before help

pairs at various points on the east prospectors were scattered hundreds coast of Hudson Bay. Each party of miles apart across the barrens with got a canoe and the necessary food food and fuel sufficient for only a few and equipment to last three months, weeks at best-and the mercury was A headquarters was established at already flirting with zero. six-passenger seaplane operated. The situation looked desperate and we plane, with a maximum cruising range decided to wait no longer. We took of 1,000 miles, was employed in mov- off from the lake and headed north, ing the prospectors from one area to flying dangerously low. Our first conanother, so that little time was wasted | cern was to pick up J. Rutherford and

coast of Hudson Bay to Chesterfield nailed to a box: Inlet and then across the barren! "Walking back; grub giving out." lands to Baker Lake-r total flight We flew on to the next camp. The of nearly 1,500 miles over unexplored prospectors there were more fortunterritory. For the greater part of ate, having shot a taribou on the day beach pyjamas and bandana to match, freed. We succeeded in finding chan- the pressure of the heavy seas. the flight the compasses carried in before our coming. But they had in which Mrs. Howard Street of Phila- nels between the floe ice to the open

The interest taken in the United From Baker Lake the planes carried

realities that go hand-in-hand with a round on a shoal in Hudson Bay, a gale which lasted three days blew Prospecting by airplane for minerals us 100 miles off our course, ice fields

> In the early days of September we able areas. Toward the middle of the month concern developed at the non-arrival of the schooner, and accordingly a flight was made eastward to locate it. We found it hard and fast on a shoal at the entrance to Baker Lake. It was listed over at a water and sinking. Below us we could

> > Ship Piled on a Rock

It seemed that the vessel had been were surprised to see us. proceeding slowly through the channel when it touched a shoal. In an the weather," they said. the schooner could not be salvaged tragedy which had overtaken the two storm-." Finally a whale boat was outfitted were left to follow.

for the 150-mile journey to the fur trading post at Chesterfield, and the the crew left in this under the com- continue his quest, because after being mand of William Robertson, the mate. should be taken out to civilization cerpts: without delay.

Search for Lost Gold Hunters A wind started from the northwest and blew steadily for a week, somesnow flurries and driving mist which made any attempt at flying suicidal. could be sent to them, as our planes The prospectors were landed in could not be fitted with skis. The

Richmond Gulf and from this base a On the seventh day of the gale the in a country where the geological for- T. Cowans, two veterans of the Porcumation was considered unfavorable. | pine, because we knew their supplies. While we were establishing our must be getting low. With difficulty caches on the eastern coast of Hud- we located their tent pitched on the son Bay there was activity in the shores of a large lake, and succeeded West, for it is in the West our hopes in landing near it. The tent was are centred. Two airplanes, carry- drifted high with snow; there were no! ing five passengers with food and signs of life, no sound except the equipment, left La Pas in Northern whistle of the wind through the struts Manitoba for one of the longest Sub- of the plane. I crawled along an ice-Arctic flights ever made. The planes covered pontoon, waded ashore, pushheaded across country to Churchill, ed aside the frozen flap of the tent from there they flew north along the and crawled inside. There was a note

the planes could not be used owing run desperately short of fuel and their delphia recently appeared at Palm lake and thence to our base. to the nearness of the magnetic pole. tent pole had been whittled down until Beach, Florida.



An Arabian Knight on Skis

WHAT, SNOW IN AFRICA? CANADA IS CHALLENGED

It is not general knowledge the Arabs in Africa have a ski club, but they have, and this Arab is a club member time they tried and a third time reof Shrea, near the Atlas mountains.

it was no thicker than a cane. They days ago and compass no use. De-before wireless communication was sening, and deep concern was written

full speed ahead and the ship piled pectors in the field except Rutherford hard, owing to soft snow. Very schooner the crew was taken to trying to lead the horses home. I up onto the rock. Too late, sound- and Cowans. Day after day we stormy and cold, nearly unbearable. Churchill, from where they made suggest that we let them lead us ings were taken. Fortunately there searched for them from the air, but "Sept. 24. Started out across must heir way through the bush to the home." was a deserted shack about two miles without success. They seemed to keg, snow on top, water underneath, end of steel. from the scene of the wreck which have disappeared completely into the Made about 600 yards, winds and Work this winter has been difficult. free rein and the three men tramped had been erected years previously by silent snow-covered hills. William storm made it too hard to travel. Planes were unable to come north doggedly on behind. Thirty minutes the mounted police. In this shack the Storr, an experiment prospector, and Dropped down behind rock. Looked owing to the intense cold and heavy passed and this time they did not recrew found temporary quarters. But two Eskimos were taken to the desert- back and could not see Joe. Went drifts. Instead of speeding through turn to the wagon. Another thirty it became obvious that unless they ed camp by plane, and they started back and found him lying on his side. the air at a hundred miles an hour minutes dragged by and all at once could be evacuated quickly many to back-track the missing men. It was Shook him, but he was dead. Heard we have plodded over the hard packed the dim, ghost-like forms of ranch

A Tragedy of the Trail

But it was unnecessary for Storr to seven days on the trail with neither September proved a tragic month food nor covering, Cowans staggered for the prospectors. Snow fell heav- into camp. He managed to tell us ily and was accompanied by biting that Rutherford had died of exposure winds from the northwest. It became four days previously, and then he imperative that the men should be collapsed. An idea of his desperate brought in with all speed, and since struggle for life can be obtained from the wreck of the schooner prevented his diary, which he gave me afterus from building a headquarters, they ward and from which I quote ex-

> "Sept. 22. Pulled out after daylight. Joe left Webley revolver behind two boulders. Have not had



BIZARRE NEW ENSEMBLE

that he should have trayeled those my way to the end of steel-700 miles ranch kitchen telling their story to skin boots) were cut from his blackened feet and first aid was rendered, Vanishing Isle but we knew that the only chance of saving his life was to rush him to a hospital-1,500 miles away.

Captain Mat Berry, pilot of our plane, undertook to take him south at once. The machine took off from Baker Lake in zero weather; the pontoons and wings were thick with ice, and icicles festooned the struts. But in spite of difficulties greater than those which attend a transatlantic flight Berry succeeded in flying his plane to Churchill Harbor he refueled. He attempted to take off without de- Emergence Accompanied by authority of the board that imports of value of the resistor should be as and this, combined with the tremndous strain the plane had already undergone, brought disaster.

Amphibian Plane Sinks The pontoons of the machine col lapsed as it was lifting from the water. The few watchers on shore saw the plane tilt forward, right itself and then begin to founder. A boat succeeded in reaching the wreck and in panied by terrific explosions. saving the passengers, but by such a narrow margin that the plane sank during the governorship of the late before even a small bag of mail could Sir George Le Hunte, and a party, be saved. A wireless message was including the Governor, the Chief sent to La Pas. A second plane was Justice and other officials from Trinrushed in at once, and a few hours idad went by steamer to explore it. later Cowans was in the hispital. Great care had to be exercised in makhaving our difficulties in the north. It

was essential that our wireless equip- treacherous. The mud under the surment should be salvaged from the face was still very hot. schooner, and to effect this S. C. Cusack, the operator, J. D. Donovan and the writer remained near the whale-back formation. The party rewreck. The work was accomplished mained for more than an hour. The and the greater part of the equip- i land was fourteen miles from Icacos lake partially froze over. Our only craters were discovered on its summit means of communication had been by boat-and the boat was frozen solid in a foot of ice.

out fuel, water or food, and temper- few weeks. Back at the base it was not long too late to learn.-Mayor Walker.

established and we learned that the on the face of the three men. Sud-"Didn't think they could make it in "Sept. 23. Have to slide down Hudson Bay Company had succeeded denly one of the men spoke: "See in the file of the creek-beds. Nobody saying much. in getting a small schooner to Ches- here, I don't know the way home, but effort to clear it the captain ordered We succeeded in reaching all pros- Traveled maybe five miles, but going terfield from Repulse Bay. In this I do know horses. We have been

First Seen Off Trinidad in 1911

Recent Rise and Disappearance of Volcanic Area Recalls Earlier Exploration

Soon Lost in Heavy Seas Terrific Gas Explosion

cent appearance of a volcanic mud modities. The Board's publicity scheme In substituting a 301A tube in place island off the island of Chatham and has been largely concerned with the of a C-300 soft detector tube, in addiits sudden disappearance a few days increase of sales of produce, and, tion to changing the value of the filalater recall the "first night" perform- therefore, is perfectly legitimate to ment resistor, the grid return should ance of this remarkable submarine regard the increase in imports as evi- be connected to the positive filament volcano on Nov. 4, 1911, the mud dence of the success of its efforts. island having ten appeared, accom-

During Berry's trip south we were ing a landing, as it was found that the

The Governor and his party explornear the northern extremity.

The total area of the island was Meantime we were practically with- washed it away in the course of a about three acres, and the heavy seas because I slept in it las night.

lucky break. After three weeks of curred, parties steamed to the spot instead of "hitch your wagon to a tube in storage battery or "A" elimchilly waiting a strong wind blew up where the explosions took place, but star," it will be "check your airplane inator circuits. from the east. The ice was carried no attempt was made to land, as the to a dirigible." A striking beach ensemble of robe, out into the lake and our boat was island was slowly disappearing under

The Judgment of a Horse

By BERTRAM E. HALL

In Our Dumb Animals Nowhere south of the Arctic circle does the death-dealing blizzard descend more swiftly and unexpectedly than upon the plains of Wyoming. The high altitude of the state, its sparse population, the vast, treeless regions and the intense cold that almost in quality, volume, and sensitivity that zard, make the fact of getting lost in set equipped with the old tree of tube a Wyoming snowstorm a serious mat- with a metal base, as used three or ter, even in this day of twentieth four years ago, an be vastly improvcentury progress.

a load of coal from the railroad yards, burn out to be worn out. ten miles distant. During the return trip the sun darkened, the north wind C-301 tube which has been superseded quickened until it stung the face, and by the CX-301A tube. The operating hard, needle-like particles of snow be- characteritsics of these two tubes are gan to hiss against the clothing of the similar with the exception that the men. By the time they were three miles from home the storm had incrased to a blinding blizzard that shut plate voltages and grid bias voltages out completely the world in which required for both types of tubes are they lived. Desperately the men practically the same so that from the struggled to unhitch the horses from standpoint they can be used interthe heavily loaded wagon and set out on foot leading the faithful animals behind them. Thirty minutes later, after making a complete circle, they in neutralized circuit receivers the saw the abandoned wagon loom up be. neutralization values must be readfore them. They tried again and justed. again returned to the wagon. (A third turned to the wagon. The situation was indeed desperate.

would perish during the winter, for not long before they discovered the plane, but could not see it, owing to snow from igloo to igloo. Accom- buildings appeared before them. A and the men were not provided with prospectors. There came a place Cowan's condition was desperate Eskimo hunter, I am leaving in the in the stalls and three thankful men where the tracks of only one man when he arrived, and it is amazing course of the next few days to make were within the warm shelter of a five volts.

eager listeners. Once more the intelligence of the horse had been demonstrated.

Empire Marketing Board

In the early days of the Empire Mar. tube is controlled from a single rheoketing Board it was pointed out here stat or resistor, or course, the resistthat, however well conceived its plans ance required in the resistor is lower. might, be, ultimately its publicity Two 301A tubes for instance connectcampaign would have to be judged by ed in parallel and drawing together .5 the same standard as that applied to an pere require a resistance of 2 ohms other advertisements - the measure to reduce the six volte to five and for of success attained in "selling the this purpose a 10-ohm rheostat will goods." It is therefore with consider give full control. Empire produce into this country dur- nearly as possible the correct size reing the last two years have broken quired, four ohms for one 301A tube, Port-of-Spain, Trinidad .- The re all previous records for many com- two ohms for t. , 301A tubes, etc.



atures were running as low as twenty When a few weeks ago the second ped to carry airplanes, as is now cuit characteristics are required when below zero. But for once we had a appearance of this volcanic island oc- planned by the United States Navy, substituting a 371A in place of a 371

> The old-time slate of personally conducted political organizations now old-fashioned school into oblivion.

He Had Assistance.

New Tubes Bring Sets Up To Date

How Modern Detectors and Amplifiers Can Be Used in Old Receivers to Improve Reception

Modern tubes in place ct old ones will do a great deal to improve tonal variably accompanies a severe bliz- aids in reception of distant stations a ed with new tubes. Engineers con-One sunny morning a few winters tend that after tubes are in use alago a Wyoming rancher sent three of most daily for a year their efficiency his men with a two-horse team to get is greatly reduced. Tubes need not

To begin with, consider the old type changeably in circuits designed for

However, the main point of differistics. Whereas the C-301 tube cause? a current drain of one ampere at ava The storm showed no sign of les- volts, the .CX-301A tube causes a curby the tube filament will be different For the C-301 tube the resistance of the resistor required to produce a drop obtain suitable control down below

NEW RHEOSTAT NEEDED

Before replacing a C-301 tube with a CX-301A tube in old receivers, therefore, care must be taken to replace the old rheostat with one of a London Times Trade Supplement: suitable size. Where more than one

lead instead of to the negative filament lead required for use with the C-300, or 300A

In substituting a 112A or 371A tube in place of a C-3t'l or 301A' tube in the last audi stage of a receiver, the plate and grid bias voltages should be changed to the recommended values for maximum results in addition to the filament changes necessary when substituting an "A" tube in place of a C-301 tube.

CHANGES FOR POWER TUBES In substituting a 112A for a 112 only the value of the filament resistor need be changed. The 112 draws .5 ampere at five volts and requires a fixed resistor of 2 ohms or a rheostat of 6 ohms while the 112A draws .25 ampere and therefore requires a fixed resistor of 4 hms or a rheostat She: You go to college, don't you? of 20 ohms. The grid bias and plate He: No. This suit looks this way, voltage characteristics are the same and the tubes can be used interchangeably in that respect.

When 112A or 371A tubes are sub-

stituted in place of 112 and 371 tubes, respectively, in A. C. receivers in When you get to Washington, it's gives some indication of following the heated from the filament sindings of a power transformer, no changes are necessary since the tubes will automatically draw the proper amount of current from the windings When CX-340 high mu tupes are

substituted in place of 301A tubes in resistance-coupled amplifiers, best results can only be obtained if the values or plate and grid resistors are changed to .25 meghom for the plate resistors and 2 meghoms for the grid resistors with coupling capacities of .. 006 mfd. The plate voltages applied to the "B plus" terminals of the plate resistors should be at least 135 volts and preferably 180 volts and the grid bias should be reduced to not more than 1.5 for 135 volts on the plate or \$ volts for 180 volts on the plate.

The CG-380 full wave rectifier tube superseded the old CX-313 full wave rectifier tube and may be substitute in place of the CX-\$13 without an changes in equipment or wiring.

The CX-381 half-wave rectifier tube

superseded the old CX 316B helf-wave rectifier and may be substituted in its place without any changes in wiring.

S'MATTER POP







