As Weather of the North American Continent is Made in Arctic Regions Radio Proves Invaluable

Montreal.—Enthusiastic about the, Development of civil aviation in the prairies and in the Northwest terri- shores of the Great Bear Lake has led tories, Colonel E. Forde, D.S.O., assist- to a large increase in the number of ant director of signals, has returned planes operating in the district. to Ottawa after a 9,000-mile inspection To complete the chain of stations jected air mail stations.

erly of all the government radio sta- communicate with Edmonton by wire. tions. These stations, in the far Besides the northern stations which Northwest, he explained, are invalu- were erected primarily for meteoroable in providing weather reports. In logical and commercial purposes, this area the weather for the greater Colonel Forde visited the many stapart of North America is made, and tions in the northern sections of Sasreports from the district enable the katchewan and Manitoba which have meteorological stations to make accur- been erected in recent years to serve ate forecasts.

services rendered by the Canadian district has given the stations an addigovernment's radio stations on the tional value in supplying reports to

trip, in the course of which he visited which stretches north along the waterproposed district headquarters and way system of Lake Athabasca, Great signal units in military districts Nos. Slave Lake and the Mackenzie River, 10, 11, 12 and 13, and a number of pro- Colonel Forde thinks a new station at Fort McMurray is needed. It is a na-Colonel Forde's farthest north visits tural jumping-off place for air traffic, were at Aklavid and Herschel Island, and to get weather reports from the at which are situated the most north- north at present it is necessary to

the growing air traffic in those areas.

Girl Guide News

The Marguerite

The Marguerite grows in the fields and a long graceful flower-stalk, at oven until ham its tender. the end of which the flower bud opens into a large, flat head.

We cannot call it a flower, as it yellow flowers, surrounded by a ring of long white florets, each of which is also a true flower, although they look like petals. They are very hardy flowers and live ness.

a long time in water.

I once read in a book that the Marguerite is the wisest of all flowers. F. H. Martin of the 5th Leyton Company has sent us the following story of the Marguerite.

D. Rudyerd-Helpman.

Legend of the Marguerite Once upon a time there was an Eastern princess who had always seen only the dark-haired, brown-faced babies of her own country. One day Miftani, with the story of a marvellous vision great value to heavy colds. he had had, in which he had seen a A mixture of turpentine and vaseline any children he had ever seen before. | treatment of colds. She had short, curly golden hair, and her face was the color of the most delicate rose. She wore a most exquisite gown of silver, and her beauty far ex-, rolling pin instead of cutting them up. celled that of the Princess herself. The Princess, although kind and good, was a little annoyed because the wise man had announced the child as being more beautiful than she, who was named by Crows Reverse Migration most beautiful of Lotus buds." Never could she imagine a baby with fair

hair, or with a rose-pink complexion. in spring and south in autumn may be Perhaps man's greatest praise can be, Three years later Miftani came once answered as a result of tricking crows again to the Princess to tell her of a into a reverse migration. vision. This time he had seen a beautiful lady weeping, for the child had sity of Alberta, in reporting to the Nadied. Now Marquita, like all the peo- tional Academy of Sciences his experiple of her land, believed that when a ments with crows, says the supposedmortal died he left his soul in the ly invariable migratory instinct apkeeping of a flower, and she at once pears due to some hormone. This is

Muftani had a third vision. This time length of day. he saw an island in a blue, blue sea; Through use of artificial lights he fabric for summer draperies and is a beautiful island, named England. In changed the "seasons" for a group of shown in both large and small designs. its grassy fields fair-haired children crows so far as day and night were Brass articles and faucets will look friends love to tell us what martyrs pole of cold, therefore, scientists must played among the flowers, but Miftani concerned. Released from their spe- like new if rubbed with vaseline and they are! They are the cause, not the noticed only one blossom, in which he cially equipped aviary, the birds, for polished with a soft cloth. knew must be the soul of the little the most part, took an opposite rout girl, for its centre was the same color from that followed by another group as the curly hair, and the silver petals of crows held captive under natural reminded him of the wondrous crown. | conditions and set free a few hours As soon as she was told, Marquita and earlier. all her attendants came to the island. 'As she was walking slowly through a meadow, the Princess heard a tiny White Signal New Curb like her own name. Bending down, she found the flower she sought at her

"Did you call me, little Golden Head," she asked gently. "No, no," answered the dream-child.

"If we let a criminal select his own way to die most of them would choose to die of old age."-Lewis E. Lawes.

"A man only becomes educated in split millionths of a second the exwhen he knows why things happened tra surge of power that comes over when they did."-Archbishop of York, alone when lightning strikes.

Economy Corner

Ham Baked in Milk

Slice of ham 1 inch thick, 1 tableand flowers chiefly in the late Sum- spoon flour, 1 teaspoon brown sugar, mer. It has an irregular shaped leaf, 1 cup milk, % cup water. Bake in an

> Will quickly reduce the pain or swelling caused by a sprain or bump. Cold in Chest

A flannel dipped in boiling water and sprinkled with turpentine laid on the chest as quickly as possible will relieve the most severe cold or hoarse-

Oatmeal Water

Put 1 cup of oatmeal in a stone jar; add 1 cup of sugar and the juice and rind of 3 lemons cut thin. Cover with 2 quarts boiling water and let stand until sugar is dissolved and the water is cold. Strain and chill.

Good Cure For Colds

An excellent cure for cold is to cu up a Spanish onion in thin slices and between each layer place brown sugar. her wisest councillor, came to her The syrup resulting from this is of little girl-child quite different from | It is invaluable to rub on the chest in

Chopping Walnuts

When using walnuts put them on a piece of wax paper and roll them with It is much easier and the wax paper saves the oil in the nuts.

Under Stimulus of Light Washington.-Why birds fly north

Dr. William Rowan, of the Univer-Again three years passed by and which is believed activated by the regarded as especially smart.

On Lightning Damage Schenectady, N.Y.-The latest man-

made curb for lightning destruction is a small white signal. It jumps into view on high tension line towers whenever lightning strikes "I whispered my own name which is or when for other reasons the electrical power get out of hand and flashes

outside insulators. The white target is a signal for a lineman to climb the tower and look for lightning damage. It is operated by instruments capable of measuring

Largest Radio Show in Canada Will Be Held September 22

Montreal.-The largest radio show | vinces. In view of this several manuin Canada, the seventh annual radio exhibition, will be held here from September 22 - 27, according to a recent ers will attend the conference they announcement made by E. M. Wilcox, are planning.

Hotel will be used to display the latest year, will be on view, and thus the models of sets, and it is anticipated public will be brought up-to-date on that, following the experience of pre- the developments in the radio busivious years, many thousands of people ness, now one of the largest on the from Montreal and eastern Canada continent, since the last radio exhibiwill visit the exhibition.

radio season in Canada there will be a several special features by the manlarge attendance of dealers from On- ager, who stated that broadcasting of

facturers have arranged to hold conventions during the exhibition, and

All the new models of sets, with the Three large halls in the Windsor improvements effected during the last

As this marks the opening of the Arrangements have been made for



The King in Scotland

Scotland in two years. Above-The King stops to chat with Major R. D. Hunter, commander of guard of honor at Ballater station.

Praise

He made his little world a place, Where mignonette in safety grew. He edged the narrow yard with grace, Built shelters for a bird or two.

His neighbors knew him as a friend, The children thought him "lots of Do we repeat of anyone?

The needs of life he understood, He faced the world with smiling

Must one be brilliant to be good? Must one be famous to be wise?

When all the toil of life is done, He loved all things of land and sea

And children thought him "lots of

IT IS SAID-

Vitamin B Found Short

Berkeley, Calif.-Changing food habits of American families cause the pole and the Magnetic Pole. It is at lack of Vitamin B which stunts chil- the centre of the great field of floatdren's growth, believes Dr. Agnes Fay ing ice, covering 1,000,000 square Morgan, of the University of Califor- miles, on which the North Pole lies. nia. Dr. Morgan passed a year in What more than this at life's long end study of diet of undernouris ed chil-

loss involved in the substitution of not even a rift of water appeared. sugar for cereals, and particularly for wheat products.

-Edgar A. Guest. age succulent vegetables and fruits too great, and the Amundsen party reis practically negligible as compared ported that the condition of the ice Peach is one of the most popular shown that vitamin B of wheat pro- either dirigible or plane.

Mistaken Friends

effect, of martyrdom.

English "Bobbies" at Play



Policemen, with tiny balloons on their hats, fight with canes, one of feat tario, Quebec and the Maritime Pro- entertainments will be a daily feature. tures of recent mounted police tournament and horse show in England. Third Years war

3-078 (1-4-4) (1-10-4) (1-11-4)

visited by Peary, by Byrd and by the Or perhaps the Pole of Cold is Amundsen - Ellsworth - Nobile expedi- Greenland, which may be every bit as tion. Another is the Magnetic Pole. cold in Winter as Verkhovansk. For The third is the Ice Pole, known as the greatest Winter cold is produced the Pole of Inaccessibility until by three conditions working together Amundsen, Ellsworth and Nobile flew | -distance from the Equator, distance over it in the dirigible Norge in 1926. from the ocean, and altitude. The pla-

of explorers. One is the North Pole, level in the Arctic.

Two of the North's Five Poles

Prove to Be Centre of Winds

just succeeded in charting with aerial might be the coldest all-year-round

cameras the North Magnetic Pole area, spots. They are far from the warm

James Clark Ross in 1831 and relo- so very far from the Equator. If there

cated by Captain Roald Amundsen, are such places anywhere near the

who made extensive observations from five-mile altitude on which the the sun

1903 to 1905, just before finding the never strikes, they are likely to de-

regions to stimulate the imagination than either of the Poles lying at sea

mand strong consideration as the Pole

of these conditions, whereas the North

centre— if there is only one—where

There are also a Wind Pole and the teau of Central Greenland answers all The Wind Pole may possibly be in Pole and the Ice Pole meet only the Greenland, where British and German first-distance from the Equator. Perexpeditions are now conducting haps the German and British meteoro-

Northwest Passage.

meteorological observations. The Pole logists now in Greenland may be able of Cold is still to be located definitely. to learn definitely whether that ice-Some of these poles are shifting in bound island contains both the Pole of character, though they can be placed Cold and the somewhat legendary Pole fairly well upon maps. Of this type of Winds. are the North Pole and the Magnetic | The British expedition is engaged in North Pole. The former, at the tip of surveying the ice cap of Greenland, of thirty to forty feet.

The Magnetic Pole

The Magnetic North Pole, which a tracts the needle of the compass be cause it is at the axis of the great electric dynamo constituting the earth, moves over a considerable area, slowly but measurably over a period of years. The position generally given is near Lat. 70 degrees N., Long. 97 degrees W., on the Canadian mainland at a place called Boothia Felix or Boothia Peninsula. In Summer this is a green and grassy lowland; in Winter it is no longer green but has the appearance of a cold prairie. Many ships have visited the region, some coming to grief on jagged rocks just below the surface of the Gulf of

The Ice Poles, so named by Amundsen because the term "Pole of Inac cessibility" no longer applied when In Fruits and Vegetables he crossed it by dirigible, lies between the North Pole and the Alaskan shore, forming a rough triangle with that

Location of Ice Pole dren between the ages of cleven and Stream clears the ocean of ice to with- to meteorology. in 600 or 700 miles of the North Pole "This change in food habits," Dr. on the Norwegian side, the centre of Morgan says, "of the American people the ice mass-and hence the location | Electrical Change Felt has in general been looked on as of the Ice Pole, is 400 miles away physiologically not injurious, because from the North Pole on the Alaskan the supposed increase in the use of side. When Amundsen passed over milk, fruits and vegetables was the Ice Pole he saw nothing below him thought to overbalance any nutritive but solid ice, so thickly packed that No man has ever set foot at the Ice is described to the American Geophysi-

"But the protein content of the aver- by dog sledge have been considered Carnegie Institution.

or at the North Pole itself, ever falls earth charge. look elsewhere. In fact, they must have to look for two or more cold poles instead of one.

One pole of cold—that having the lowest Winter temperature of which there is record, has been fixed tentatively on the mainland of Asia, near the Siberian village of Verkhoyansk, some 1,400 miles from the North Pole, The coldest Winter temperature that can ever occur there is something between 90 and 95 degrees beyow zero, while the coldest possible at either the North Pole or the Ice Pole-is believed to be about 30 degrees warmer.

High and Low Temperatures

But in Summer the temperature at Verkhoyansk sometimes rises to the 90s, once reaching 93, with plenty of humidity, and various cereals and vegetables can be cultivated in the region. So if the pole of cold is considered as that place having the lowest Summer temperature or the lowest average temperature, it must be somewhere else upon the map.

In this connection it is suggested that certain northward-facing preci- to hold two people."

electrical phenomenon that sweeps the with the new ring than without it, entire world at the same instant between 6 and 8 p.m., Washington time, London Air Traffic

It is a change connected with the earth's electrical charge. This charge, Air Ministry Takes Steps to with that of cereals, and our work has was such as to prevent a landing by says, Dr. Gish, tends to acquire a high flower in which was the soul of the state which was the state which which was the state which which was the state which wh flower in which was the soul of the stance released in the blood stream by bines beautifully with orchid, reseda amount of vitamin B in vegetables and in the dead of Winter, explorers do ascribed to some still "elusive, unnot believe that the temperature there, known" factor that maintains the try has issued one-way traffic regul-Existence of this charge is shown by

study of atmospheric electricity. The same studies show that the charge fluctuates and have given some indication of the universal time schedule of worth takes but a few minutes, and these changes.



Tom: "Yes." Kitty: "Well, then, I guess it ough!

Latest News Printed in Paper

London.—Something new to Lon- set-up and run off in the so-called doners in the way of fast delivery of blank "fudge column" as fast as they kind. That the dog possesses an im-

capable of printing anything up to The van is also equipped with a that crows in the wild state have the

late news to readers has been accomplished by the London evening news- to the more distant suburbs, but it is grief over the loss of his master and done as the van is rushing deliveries absent objects is indicated by his paper, The Star, which is regularly more customary to install the van his capacity to dream. A consideroperating a "Stop Press" printing es- outside big horse-race, football, or able degree of intelligence is exercis-The equipment comprises a com- spectators as the meeting breaks up at an intruder and when the elephant

Britain Builds Fastest Boat

Still Attract the Explorer Pole of Cold May Be in Siberia—While Greenland May Coastal Defense and Protec-Chief Purposes of Craft A Canadian flying expedition has pices in the Himalaya Mountains

London-Flying boats which are said to be faster than any others in which was discovered by Captain ocean and high above it, though not the world of equal size and pay-load carrying ability, and which have been designed and constructed in the customary secrecy with which the British Air Ministry surrounds all of its developments, are being successfully flown by British operators.

There are five poles in the Arctic of Cold and may have a better claim Possible future military necessity is seen 23 the purpose for which the fense and long-range protection for trade routes are said to be the main objects behind the use of these new flying boats, while as civil aircraft

One of the new service types of this design built by Short Brothers, of Rochester, has four Rolls-Royce watercooled engines developed as a result of the experience gained in last year's Schneider Trophy race. They are machines of exceptional size, having many gunners' positions, and yet are easier to handle and faster than some of the single-seater fighters now used by the Royal Air Force.

the axis on which our earth rotates, with a view to determining whether it the front motor driving tractor air moves about in a circle with a radius would be possible to use the island as screws, while the rear one drives a way station for airships used on the pusher propellers. The civil maproposed route between Britain and chines of this type also have four en-Canada, and the German expedition is gines and a commodious cabin and also acquiring meteorological data re- are much larger than the cabin flying lative to flying as well as to storm con- boats which heretofore have been in ditions in the transatlantic ship lanes. general use on the water airlines of By Pole of Winds is meant that Imperial Airways.

> Britain already has established the chill winds of the Northern Hemis- definite lead in Europe for large-size phere originate. Scientists refuse to flying boats and these new ships are credit the polar regions with as many likely to increase the lead. Meanicy blasts as the poets suggest. There while, an invention which, it is said, is in Greenland, however, a peculiar is capable of increasing the speed of situation which makes it possible for planes which are fitted with radial scientists to discuss whether there is type engines is now being mounted on a sort of wind pole there. The island the standard planes of the Royal Air is cold, particularly in the interior, and Force.

> has a hump on its back near the cen- The invention is an adaptation of tre. The air undoubtedly becomes the Townsend ring, used during the very cold and thin, some experts say. war. It was first tried in model form It would, therefore, have a tendency to in comprehensive wind tunnel tests settle down upon the dome of interior, and is said to have added twenty-five Greenland and flow down-hill in every miles an hour to the top speed of direction, as water does when poured planes. These results were borne on an inverted bowl. The result might out when the ring was adapted to full be that there would usually be little scale planes.

wind near the centre of Greenland's The device consists of a wider ring dome and frequent winds blowing air-foil of cambered sections which from the interior to the coasts. Such completely encircles the radial engine. winds, of course, would contribute to The purpose of this is to keep the flow the interacting system of winds of air past he projecting cylinder throughout the Northern Hemisphere heads smooth and close to the body of Because the warmth of the Gulf and hence would be highly important the plane. Without the ring the air flow becomes broken and forms num erous eddies.

These eddies increase the drag or resistance, thus reducing the speed. In the full-scale tests it was found that Instantly Around World 27 per cent, less power was needed Washington .- A recently observed to drive a plane at 145 miles an hour

Pole. The hardships of reaching it cal Union by Dr. O. H. Gish, of the Has One-Way Route

Prevent Plane Collisions

London-The air over London has become so crowded that the Air Minisations. They affect virtually the entire London flying area, and include Hanwodth, Staglane, Northolt and Harmondsworth Aerodromes. The nor mal flight between Heslon and Hanthe distance is only three and one half miles, but the new one-way route necessitates a trip of thirty-five

Captain V. H. Baker, Chief Pilot at the Heslon Airport, said the ruling certainly will be a safeguard in bad weather. Air Ministry officials stated that it was essential to avoid the possibility of frequent collisions.

Dogs Have Brains As Well As Hearts?

Whether animals think and reason has long been a moot question. Most naturalists now are of the opinion that the so-called lower animals have a limited capacity to think and reason and that their minds differ from those of human beings merely in degree and not in kind. It is the high development of man's brain that separates it from that of the ape, the horse and the dog. Many animals show considerable intelligence in certain matters, especially in obtaining food and escaping from enemies. Instinct experienced through many generations plays a much larger part in animals While It Is Being Delivered than it does in human beings, and reasoning capacity varies in different individuals and different species of anmals just as it does in different inplete composing frame and type cases, to buy London papers with the very breaks off a twig and uses it for a fly three 30-line news items at a speed up to 10,000 copies an hour.

News items are received by radio broadcast microphone announcements.

A friend is a person who keeps on the count of the

THE PERSON NAMED OF THE PERSON NAMED TO BE ASSESSED.

Bush Mail A Lor

Only Three House

In the Australi homesteads may and 200 miles or the lot of the post as he is called, i writes a contribu Telegraph. He collects his

township, and their lonely round, which from a week to a r If the nature of he will use a lig just as frequently coach or buggy is far North, durin horses are neces bridgeless rivers. Where horses at

a week to deliver homesteads, so tances between who has frequent back mailmen on occasion sighted o a week's journey or three other he miles off the track ed. The only sig was their letter bo of a deal box nal homestead was no from its own lette If the mailman's stead coincides

puts him Otherwise he slee It is customary, a of charity, to give him on part of his Turne A mail team will seven horses, an are necessary. A attended by some

where the mailni animals are not li a country where w The mailman with the Governme was the only passe can also act as car postman at least, a mails, proceeds to

Many an English

know what his post track, and enter ful very creditable con quial entertainment tile mailman to o first birthday in a from anywhere. Long journeys;

tedious and trying bury him on the sp often made a Justi

Swollen rivers wi claimed their postal is no outback post had his breakdown.

It happened in a st

"It hasn't hurt her

nith's. The su

when I nod my head, this hammer." Pat of tions to the letter; never nodded his hear