WHAT'S UP IN THE AIR?

Canada's Future in the Air Still Problematical Above the Clouds So High

By Flight Commander A. H. Sandwell

These are indeed disappointing days in Empire aerial affairs, particu- for going out after what may conlarly as they affect Canada. For ceivably be a juicy plum in the shape the United States are acquainted ada "taking her rightful place in the this particular plum is going to be. I grammes, little is known in this coun Australia by way of Canada and the pert pilot, can be set down safely in teners there. Atlantic and Pacific oceans (although the most extraordinary places. But the existing Imperial Airways route as has been tragically proved once or by way of India serves a population twice in recent months they cannot much more dense, is considerably shorter and infinitely more convenient.) We are told, in season and out of season, by experts and by parrots, machines we shall probably be using casts from Buenos Aires and Rio de that the Atlantic ocean, the Domin for some years at any rate, is to Janeiro stations, which offer live proform the obvious route between Great Britain and the Orient (although the this just for fun. alternative eastern route across Russia is only about two-thirds of distance and is almost entirely ovei-

land, which permits of carrying some er" or sub-stratospheric plans of pay-load instead of the immense loads Trans-continental and Western Air throughout the continent have more premium cards then in vogue. a flying boat across either ocean.)

ready to introduce a bill to establish" which he has equipped for experithe highly complicated corporation mental and research work in connec- high powered station located in the which is to run the trans-Canada air tion with this proposal, found him-centre of the republic is able to cover

pressed doubts about the starting of rain and sleet. Sustained by oxygen minute broadcasts using these ordinthe trans-Canada service on Domin- he attempted to put over a spectacu- ary disks and an occasional disk esion Day of this year. On numerous lar flight which would have increased pecially recorded by the sponsor for mium and therefore the sales tax occasions I begged you not to get the interest with which his ship was distribution in South America. over-excited about the Atlantic ser- regarded at the National Aviation Talent, as a whole, is generally vice. But in my wildest dreams I Show in Grand Central Palace, New poor, and consequently listeners are never imagined that in February. York, and a very gallant effort he given much better programmes by there is little hope of getting the exists at around 30,000 feet and up. American station usually purchases a be the consent of the seller and purtrans-Canada airway running until wards, it pushed its nasty clouds quantity of records only three or four chaser. 1938. The inexplicable delay in ap up so high that the laboring machine times a year. Therefore within a few pointing a "chosen instrument" for simply could not get out on top of either the trans-Canada or this count them at all either the trans Canada or this coun- them at all. try's quarter-share in the trans-Atlantic scheme has effectively prevented anybody from doing anything ing to emerge, Tomlinson, whose airreally important in preparation for either service, although one Canadian company at least has taken of airline first and second officers.

There can be no criticism of any company or amalgamation of companjes which actually have air services tendency in the United States, whose ion of Canada and the Pacific ocean make runways five thousand feet grammes similar in style to some long or more, and they are not doing

> Over-Weather Idea Gets Set-Back The much publicised "over-weath-

all this activity and hot air but a the N. Y. Herald Tribune delightful- border. With the exception of a few priceless collection of alibis and brok- ly expresses it, "very much in, if long programmes, that is, fifteen minnot under the weather" at indicated utes to half an hour in length, the altitudes of 35,000 to 36,000 feet. me credit for having discounted much deliberately in weather conditions few of the standard programmes, as of this propaganda as soon as it was which had grounded most of the com- sponsored commercially by large corprinted. On October 10th, 1936, I ex. mercial transport planes with fog, porations, present fifteen or thirty-

manship was superb throughout, fin-It is reported that several promin- the latter it was a justifiable scien- idea that had been their hobby for ent Canadian air services have aptific experiment in search of improve several proached the Government with a view ed conditions for operating an air ers at altitudes of 30,000 feet, above

THE RADIO IN SOUTH AMERICA

Enjoy Programs of the **Highest Quality**

Although many radio listeners in

the exception of occasional broad-North American programmes, but lacking in talent. However, more than gular broadcasts are canned.

Only 42 radio stations scattered of fuel that are required to transport ran into a bit of a snag a couple of than 1,500 watts of power. They are weeks ago when that company's test operated primarily for local reception We have been told weekly that the pilot, D. W. (Tommy) Tomlinson, in However, due to the the comparative Canadian Government is "almost the Northrop "Gamma" monoplane small number of stations long disroute. And what have we to show for self, as my colleague C. B. Allen, of the entire country from border to Tomlinson set off from Kansas City of spot announcements. However, a

neighborhood of 36,000 feet and fail- casts or turns the radio off.

praiseworthy performance, and for bia University were perpetuating the

Light on Recent News Item

that day announced a new develop real sale of the merchandise took ment in aviation to the Institute of Aeronautical Sciences. The so-called announcement was reported as the most simple way of trimming a follows: "Baby-size wings called tabs, machine which may, for some reason hooked behind the wings of big or another, be out of balance. In the planes like air rudders, soon will case of the elevator flaps, or "flipease the job of pilots."

was that Mr. Weinzinger actually an- essary the tail-plane trimming devices nounced to the Institute, but I would which were so common a few years give odds that it was not that tabs ago. On the rudder, the tab can be would soon ease the job of pilots. used to overcome the off-centre pull Tabs, as the members of the N.A.C.A. of one engine when the other one is and the Institute must be aware, are stopped on a twin engined machine now almost standard equipment on a And on the ailerons, tabs overcome wide range of large and high-speed or correct the tendency to wingaircraft, and have been for some heaviness on one side or the other years. The term tab is considerably which often occurs with cantilever newer than the device itself, since wings that are not easily susceptible they were originally called "servo- to adjustment by changes of rigging, flaps, but the purpose for which as the wings of a wire-braced biplane they are used has been the same are adjusted or rigged. To suggest, as since those early British flying boats these newspaper dispatches did, that which carried a separate little sur- the tab is something new, to be anface stuck out on extensions behind nounced to a learned society, is altheir rudder. The term "flap" is now most like suggesting that someone generally used for the trailing edge should 'announce' the introduction of flaps which are more and more being the slide-valve for steam engines. used on high-speed machines to as- Sincere if belated thanks are due to lift by some 25 or 30 per cent. and took the trouble to send long and inmal airdrome can by their use make the something you get from the wind

ing speed without them. surfaces have proved by long odds the same.

VALIDITY OF THE SALES TAX CHALLENGED IN COURT CASE

Few of the Countries City's Complaint Against Imperial Tobacco Company Draws Charge that Measure is Not Within Powers of Provincial Legislature.

gested in any event that the law was

last sale of the premium was when

keeper to the consumer. At each stage

there was a sale of both articles, not

So much was that the case, that it

To a question from the Court, the

lawyer agreed that if the tax wei

tax would be paid on the premiums,

seeing that the ultimate consumer

was shown that in its system of book

MONTREAL, Feb. 10-A direct place when the defendant company months we have been afflicted with highly optimistic ballyhool about Canhighly optimistic ballyhool about Canful point seems to be just how juicy through reception of short wave proof Montreal, as being beyond the which the law gave the city the right powers of a Provincial Legislature to to assess its tax. We have been asked to en- notice that E. Leigh Brintnell, president try of the regular commercial pro- enact, was made this morning before W. F. Chipman, K.C., acting for thuse about a projected trans-Canada are mail and passenger service which air mail and passenger service which has just merged with waves for local audiences. As a guest court, in an action in which the City the outset of his argument that the was to start, so we were promised on Wings Limited and General Airways, lately returned from the southern of Montreal is seeking to collect the tax was challenged on two main numerous occasions, on July 1st of is quoted as saying that the antici- continent and as a former member of tax amounting to \$3,518.75 from the grounds. In the first place, it was not this year. We have been urged to pated 200 m.p. h. ships to be used on the staff of station CB68 at Valpar- Imperial Tobacco Company of Canbridge and fire off the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on also, Chile, we believe that the following the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the trans-Canada service can land on the company of the company of the company of the compa rockets over the projected trans-At- any normal airport, and that there- lowing information on the conditions the rate of two per cent on the purlantic flying boat service, and about fore larger airport facilities would of broadcasting in that portion of the chase by the company of merchandise "aerial links of Empire" which not necessarily be required. Aircraft, Western Hemisphere will picture the to be given as premiums with certain ultra vires and beyond the powers are to connect Great Britain with fast or slow, in the hands of an ex- type of material supplied to the lis- brands of cigarettes and pipe tobacco. In refusing to pay the tax, the company claims that not only is the erica the greater part of all radio sales tax an illegal form of taxation, he argued that when a purchaser always get out with safety from the broadcasting is presented by tranalways get out with safety from the places they got in to. The general scription from popular records, with the exception of acquired not only digarettes but a

The city's action before the courts the final purchaser acquired it. The calls for the unpaid tax for the fiscal tobacco company, he said, originally year from May 1, 1935, to April 30, bought a certain quantity of tobacco 1936, during which time, it was claim and certain other merchandise for 90 per cent of all South American red ed merchandise valued at \$175,937 premium. Both tobacco and premium was purchased by the company for were passed along down the line use as premiums under a system of through the middleman and shop

> On behalf of the City of Montreal, only a sale of the tobacco, and when Camille Tessier, city attorney, sug- finally the consumer made his purgested that the merchandise in quest chase, he acquired both cigarettes tion fell under the definition of a re- and premium. tail sale, contained in the taxing bylaw. That purchase by the company, he said, was the last occasion of a When the premium was handed miums only to those particular grades

> ever to a cigarette purchaser, after a of tobacco on which premiums were tated number of premium cards had given. This cost was passed along een collected, what actually happenfree gift. That, he claimed, was not his premiums, he maintained. a sale of the object provided as a pre-

sale, the city attorney pointed out also paid the sales tax on his cigar-1937, we should find ourselves bogged made. Unfortunately the weather re- the transcription method than by us- that three elements were present. In down in a state of inertia such as is fused to play ball, and instead of ing live artists. Due to the high dutindicated by semi-official despatches merging into that area of eternal ies on recordings and the wear and ject to change hands, secondly a price from Ottawa which indicate that sunshine which we have been told tear on records, the average South must be fixed and thirdly there must

In the case of the cigarette preed with the library it invariably re- of a package of cigarettes did not After fighting his way up to the verts to foreign short wave broad-know at that moment whether he would get a premium or what price ne would be paying for it. Since the element of price was

ally landed with empty tanks near winter bad-weather area extending lacking in the transaction, the law-Princeton, sustaining minor damage. over the eastern half of the United yer maintained, the premium must be in the type of instrument-flying that pilot or his employers for making the three-day meeting of the Institute of the purchaser as an incentive to buy will be an essential accomplishment flight. For the former it was a most the Aeronautical Sciences at Columbiate flight. For the former it was a most the Aeronautical Sciences at Columbiate flight. rather than another.

His Lordship suggested that it would be easy for the cons determine what his premium cost him From information which reaches me, I think rightly, is the slowness with that isn't the half of it! Several which the results of this flight were prominent politicians with only pener positions. After criticizes, and storms and fogs. Tomlinson's experience of trying in vain to clear iminate the difficulty about no determinent politicians with only pener position. prominent politicians with only paper realised by the very people who apparently had not registered." The for instance the extiste in apparently had not registered." air services in their possession, it is should have quickly seen them. Says temperature at the maximum altitude for instance, the article in question said, have brought up their heavy ar. Mr. Allen "within the same week as attained was some 65 degrees below were enclosed in the package of cigtillery with the same object in view. his (Tomlinson's) failure to top a mid zero F., in spite of which the mist arettes, would that not constitute a still swirled thickly around the ma- sale of the premium as well as of the cigarettes? he asked.

The city attorney considered is On January 29th, the news agencies would not. What the consumer was in New York City sent out a story uying was tobacco and not premaums to the effect that one C. J. Weinzing- and the merchandise offered with er, of the National Advisory Commit- the tobacco was merely an incentive tee for Aeronautics (N.A.C.A.) had to buy. He insisted that the last

pers" as our American cousins call Now I don't know just what it them, they frequently render unnec-

sist in the making of reasonably slow the several readers, particularly to landings. These flaps increase the Roland Doig and C. R. Partik, who the drag by from 200 to 300 per teresting letters relatives to the cent., so that machines which would speed of ice boats discussed some otherwise "float" right across a nor weeks ago. Mr. Doig points out that a fairly steep descent and land at is more than just velocity, it is velocsome 60 or 65 m.p.h., instead of the ity plus force, a definition of power 90 m.p.h., which would be the land- which is an alternative to the one more usually given 'work divided by Reverting to tabs, the little separ- the time in which it is done.' Space ately movable devices set in the does not permit printing his entire trailing edge off the various control argument, but it was appreciated just

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The modern way to curb a cold is this: Two "Aspirin" tablets the "Aspirin" tablets are made in moment you feel a cold coming on. Then repeat, if necessary, according to in-

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mixture twice. The "Aspirin" you take internally will act to combat fever, cold pains and the cold itself. The gargle will act as a medicinal gargle to provide almost instant relief from rawness and pain. It is really marvelous; for it acts like a local anesthetic on the irritated membrane of

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> Demand and Get-





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