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REPORT

OF THE

ROYAL COMMISSION

ON THE

PILOTAGE DISTRICTS OF MIRAMICHI, SYDNEY, LOUISBOURG, HALIFAX, ST. JOHN, MONTREAL AND QUEBEC

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REPORT of the Royal Commission Appointed to inquire into and report upon conditions in the Pilotage Districts of Miramichi, Sydney, Louisburg, Halifax, St. John, Montreal and Quebec, and to recommend, if necessary, any changes found desirable.

1918.

Montreal, September 10, 1918.

Sir,—We have the honour to submit to you the following report in connection with the pilotage districts of Miramichi, Sydney, Louisburg, St. John, Montreal and Quebec, in addition to the report already presented to you dealing with the pilotage district of Halifax.

At the outset your commissioners wish to reiterate the statements made in the report regarding the Halifax Pilotage district, as to the scope of our investigations under the Orders in Council under which we were appointed, and to say that we have guided ourselves, in conducting our inquiries into the above-mentioned districts, by the procedure followed in Halifax.

During the twelve open sessions of the commission, in respect of the various districts hereinbefore mentioned, ninety-six witnesses were examined, including, as in Halifax, the local commissioners, steamship owners, steamship agents, shipmasters, naval and Government officials, pilots and apprentices, and important evidence has been adduced having reference to the respective districts.

Among those appearing before the commission were Messrs. W. B. Snowball, J. P. Burchell, M.L.A., and F. E. Neale, at Chatham; Lieutenant Wood, Joseph Salter, steamship agent; F. Fitzgerald, of the Dominion Coal Company; F. C. Barrington, of the Nova Scotia Steel Company, and Capt. Ronald MacDonald, at Sydney; Dr. D. A. Morrison; Lieut. J. C. Caine, Capt. J. E. Evans; Capt. J. E. Morry, and William E. McAlpine, of the Dominion Coal Company, at Louisburg; Commander G. O. E. Elliott; James B. Russell; Capt. John Hall; Capt. G. C. Evans; Capt. Isaac Evans; Capt. Ames Potter; H. C. Schofield; J. W. Smith; J. C. Chesley, agent Marine Department; R. W. Blennerhassett, of Canadian Pacific Ocean Services; R. C. Elkin; H. E. Wardroper; and D. W. Ledingham, of Messrs. William Thomson Company, steamship agents, at St. John; Messrs. R. W. Reford, president, Robert Reford Company; John Torrance, manager of White Star Lines; W. H. Duthie and G. J. Madden, of Canada Steamship Lines, and Canada Shipping Company, respectively; Capt. P. L. Lachance, and Alberic Angers, president of Montreal Pilots Association, at Montreal; and Capt. Lachance, J. B. Bernier and Ph. Lamontagne, of the Quebec Corporation of Pilots, at Quebec.

The commission wishes to record its full appreciation of the cheerfulness and willingness exhibited by the various witnesses who appeared before it, in testifying, and the help they have rendered to the commission in every respect. The number and extreme importance of the exhibits submitted have occasioned a thorough and careful review which has occupied considerable time.

MIRAMICHI DISTRICT.

The inquiry into the Miramichi Pilotage district was opened on March 8, 1918, in the board room of the Chatham town hall, which was very courteously placed at our disposal by Mayor W. B. Snowball, and continued on March 9, to permit of the attendance of Mr. J. P. Burchell, M.L.A., a member of the local pilotage commission, when the hearing of oral evidence in respect of this district was concluded.

ADMINISTRATION.

It affords your commissioners great pleasure to say that, judging from the minute books submitted by the secretary of the Miramichi Pilotage district, the records of the district have been well kept. The minute books presented to us cover a space of 25 years, from January 18, 1893, to March 8, 1918. It appears from the minute books that meetings of the commissioners have been held once or twice a year; that in December, 1893, there were thirty-nine pilots in this district, with four pilot schooners; that from 1900 to 1910, inclusive, there were twenty branch pilots, with three pilot schooners; while in 1911 there were nineteen pilots; that from 1912 to 1917 there were sixteen branch pilots and one apprentice, with the exception of 1913, when there were seventeen branch pilots. This reduction in number of pilots has come about naturally owing to the change from sail to steam.

PILOTS.

While your commissioners were very favourably impressed with the branch pilots who appeared before us about eleven in number—we found that four of the sixteen pilots at present in this district were over 70 years of age, nine over 60 years, and under 70, while the remaining three were between 50 and 60. Whilst it may be said that the branch pilots of this district are, as a whole, apparently a strong, ablebodied class of men, and well preserved for their ages, we feel that no one should be permitted to act as a pilot who is over 70 years of age.

APPRENTICES.

In the Miramichi Pilotage district the apprentice pilots have, in the past, been indentured for four years, and the only apprentice at present in this district is engaged on board of the pilot schooner Admiral Beatty, in running the gasoline engine, etc.

The first two years of the apprenticeship the apprentice serves as a member of the crew of the pilot schooner, and the remaining two years the apprentice pilot is supposed to accompany the pilots; but no apprentice pilot is permitted to pilot a vessel until he receives his branch. The present apprentice is paid \$20 per month. He has had no sea service other than that which he obtained on board the pilot schooner in the capacity above mentioned.

PILOT SCHOONERS.

Up to the fall of 1917 there were two pilot schooners in this district the *Admiral Beatty*, owned by eleven of the pilots, and the *Mabel*, owned by the remaining five pilots. The latter vessel was lost during last fall.

The Admiral Beatty is an auxiliary schooner, having a gasoline engine, of about 50 tons gross, 72 feet over all, 18 feet 4 inches beam, and 8-foot depth, with a speed of about 8 knots, and has accommodation for eleven pilots and three apprentices. This vessel was built in 1916, for eleven of the pilots, at a cost of \$6,350.

Your commissioners availed themselves of the opportunity of visiting this vessel, which is at the present time the only one engaged as a pilot tender in this district.

Since the loss of the *Mabel* some of the pilots are without means of earning their living, owing to not having a vessel of their own, or shares in the *Admiral Beatty*.

EYESIGHT AND HEARING TEST.

It appears that no proper tests of the eyesight or hearing of the pilots or apprentices were made, the practice followed in the past being for the pilots to visit a local optician and obtain a certificate from him for presentation to the local commissioners annually, while occasionally one of the commissioners would conduct an informal test.

POOLING OF EARNINGS.

From the evidence it would seem that the system of pooling the earnings was first adopted in this district in 1882, and is continued at the present time. Deductions are made from the earnings of the respective pilots to pay for their shares of the cost and maintenance of the pilot schooners. This explains the fact of the earnings varying in the annual returns submitted to the Marine Department.

PENSION FUND.

In 1882 it appears that a club was founded amongst the pilots with the idea of forming a superannuation fund; but as it was not unanimous the scheme did not develop. The pilots have assisted each other during illness, by not making any deductions, granting full shares of earnings in respective cases, and have made allowances for widows of deceased pilots for short periods; but this latter practice has had to be discontinued owing to lack of funds. It is to be regretted that no provision has been made for superannuating pilots in their declining years.

NUMBER OF PILOTS.

It would seem, from the evidence, that there are too many pilots in this district at the present time. The evidence from the shipping interests and pilots themselves was unanimous that twelve pilots would be sufficient to meet the requirements of the trade of the ports.

In 1916 the income to each pilot was about \$900; in 1917 the income to each pilot was \$275, and after paying expenses they had only about \$150 left. The average income in ordinary years was about \$750.

LOUISBURG PILOTAGE DISTRICT.

The commission held open sittings in Louisburg during the morning and afternoon of March 13, 1918, in the town hall, which was very kindly placed at our disposal by Mayor W. E. McAlpine.

ADMINISTRATION.

The first witness examined was Mr. E. G. Whitman, who is secretary-treasurer of the Louisburg Pilotage commission, as well as a member of the said commission. Mr. Whitman produced his minute books covering the proceedings of the commission from the time he was appointed secretary-treasurer, the first entry contained therein being June 18, 1917, and the last entry, September 5, 1917. He was unable to produce the records previous to his appointment owing to the former secretary, Capt. Thomas Townsend, not having handed same over to the local commission, although he was requested to do so both by the Department of Marine and Fisheries, and the Louisburg Pilotage commissioners. As the records submitted by Mr. Whitman cover such a short period we are unable to pass any opinion as to whether or not the records were properly and efficiently kept previous to his taking office.

PILOTS.

There are at present eight licensed pilots in this district, four of whom possess certificates as masters in the coasting trade, and whose ages range from 47 to 57. Four of the eight pilots appeared before your commissioners to give evidence, and created a very favourable impression on our minds, in respect of intelligence and ability.

APPRENTICES.

There are no apprentice pilots in this district, nor have any definite arrangements apparently been made in this respect. The weight of the evidence was to the effect that any vacancies which might exist in the future in the list of branch pilots could always be filled from local shipmaster and others with practical sea experience and knowledge of the district. This has been the course followed in the past, and appears to have proven highly satisfactory.

PILOT BOATS.

There are apparently eight pilot row-boats in this district, in addition to a gasoline launch, 42 feet 9 inches over all, which is used for boarding vessels outside. The launch appears to answer all requirements, except when ice conditions render navigation for such a small vessel difficult.

PILOTS' SHORE STATION.

In Louisburg the pilots have a shore station about one mile from the International pier, by water, at the entrance to the harbour. The property upon which the pilots have erected their building is leased from the Kennealy estate for \$10 per annum.

EYESIGHT AND HEARING TESTS.

There does not appear to have been any tests of the eyesight or hearing of the pilots of this district at any time.

PILOTS' EARNINGS.

Prior to the war the earnings of the pilots in the Louisburg district were apparently very small. In 1913-14 the pilots' average earnings were \$593.50; but in 1914-15 they increased to \$818.47; and in 1915-16 amounted to \$1,187.33; while in 1916-17 they averaged \$1,607.61. By taking one week off duty, turn about, the pilots have been enabled to supplement their earnings by fishing, etc., four pilots being on duty and four off each week, and it appears that under this system there have always been a sufficient number of pilots on duty to meet the requirements of the trade of the port. The winter months are of course the busiest for the pilots of this district, the port of Louisburg practically handling the trade of Sydney for that period.

PENSION FUND.

There has been no provision made for the retirement of pilots in this district in the way of deductions from the earnings so as to form a superannuation fund.

SYDNEY PILOTAGE DISTRICT.

The sittings of the commission in this district extended over three days, March 11, 12 and 14, 1918, and the conditions existing here were not found to be quite as good as those in the Miramichi and Louisburg districts. The evidence of twenty-three witnesses, representing the various interests concerned in this district, was obtained.

ADMINISTRATION.

Mr. F. C. Kimber, who is secretary-treasurer of the Sydney Pilotage authority, as well as a commissioner, produced his records, which were found to have been kept in a very satisfactory manner.

On page thirty-three of the minute book, under date of October 6, 1913, it appears that the secretary reported the unsatisfactory state of Collector R. T. J. Vooght's accounts, and that Mr. Vooght, who was also a commissioner, asked for time to adjust same.

On page 45, December 31, 1913, Commissioner Vooght undertook to have the North Sydney collections straightened out by January 10, 1914.

This matter apparently dragged along until April 14, 1915, when the commissioners passed a resolution as follows: "That in view of the unsatisfactory manner in which the collectorship at North Sydney has been handled during the past two seasons, and in the interests of the pilotage service generally, the board of commissioners do not feel justified in reappointing Commissioner Vooght as collector for the ensuing year without exacting from him satisfactory securities for the proper and faithful discharge of his duties as such collector, and the Board, therefore, instruct the Secretary to notify Mr. Vooght that unless he can, on or before the 30th of April, furnish two substantial bondsmen satisfactory to the board, some other appointment will have to be made."

On May 28, 1915, the resignation of Mr. Vooght as collector of pilotage at North Sydney was read and accepted. Then again, on page 91, under date of November 25, 1915, the following entry appears: "This meeting was called to consider what action the authority should take in regard to the action threatened by heirs of ex-pilot the late George Brown for recovery of pilotage due to him. Pilot Richardson having explained that the money, amounting to \$155.75, had been left with Mr. R. T. J. Vooght until it was known to whom the money was legally payable, it was decided that the money should be paid by the secretary and deducted from Mr. Vooght's salary as commissioner. The secretary was instructed to be careful in paying the money to ascertain that it was paid to the proper party or parties."

It appears that Commissioner Vooght had been requested on several occasions to pay this money over; but up to the date he appeared before this commission—14th March, 1918—he had not settled this account.

When on the stand he admitted that the money was still due; but stated that he had arranged to refund it at the end of this year, out of his salary as commissioner. The only explanation he had to offer when asked by the chairman: "Q. Don't you think that it is a wrong action on the part of a commissioner? You are supposed to look after the control of the pilots."—was "A. I fancy it was; but at the time it was an obligement for me—that is the only explanation I have to offer."

Mr. Vooght was ordered by the chairman to refund this money at once, and we are pleased to be able to advise you that in a communication from the secretary-treasurer of the district it is stated that the matter has now been settled.

This, and other instances, confirms your commissioners' views of the necessity of doing away with local influence or control and the supervision and management of this and other districts being placed under a Government department.

An unusual state of affairs appears to exist in the district in the appointment of collectors at North Sydney and the International pier—who appear to collect the pilotage dues and hand same over to the secretary-treasurer for distribution to the pilots.

The collector at North Sydney was last year paid \$600, besides \$100 for office rent, while the collector at the International Pier is in receipt of an annual allowance of \$250, and was granted a gratuity of \$250 last year, making in all a sun of \$1,200, which has been deducted from the earnings of the pilots for this purpose.

In the annual statement of the district for 1917 there appears an item of \$3,598.98 for expenses, and from exhibits produced for the months of May, July and August, it is apparent that a large proportion of these expenses are made up of gratuities to masters of vessels visiting this port.

The commissioners of this district each receive \$150 per year for their services, while the superintendent of pilots receives \$250, in addition to his share as a pilot, and the secretary-treasurer is in receipt of \$500 per year, plus his allowance as commissioner.

It appears that a finance committee, consisting of three pilots, meets the secretary-treasurer on the 10th of each month to discuss the previous month's business, and decide on the division of the earnings amongst the pilots and apprentices, and settlement of accounts.

PILOTS.

In 1917 there were thirty branch pilots in this district, these being divided into two shifts, each shift working one week in turn; but in cases where extra pilots were required the shift off duty appears to have been called upon and to have answered the call readily.

Four of the pilots are stationed at the International Pier, two at North Sydney, two for the vessels plying the Bras D'Or lakes and the balance divided between the two stations at Low Point and Lloyd's Cove.

The pilots for the lake vessels remain on board of these steamers, having permission from the pilotage authority to do so, and apparently receive a separate remuneration from the owners of these vessels for duties performed outside of the district, besides receiving their share of the pool of earnings for pilotage in the district. It might be said that some of the pilots have little or no knowledge of the chart, and it is apparent that they perform their duties under very crude methods.

APPRENTICE PILOTS.

According to the evidence of Superintendent of Pilots Barrington, there are eight apprentice pilots, who are appointed, apparently, through political patronage, and who, after being required to serve two years in the pilotage service, are supposed to have one season of sea service.

Some of the present apprentice pilots have been over five years in the service, one of them being over fifty years of age. These apprentices receive half of a pilot's share of earnings, which last year amounted to as high as \$871.52 per apprentice. This is considered by your commissioners to be a most unusual and unnecessary tax upon shipping, and so far as we could learn there does not seem to be any actual service given in return for this remuneration, by the apprentices, the only duties they perform being about the pilot stations and pilot boats.

One of the apprentice pilots examined by your commissioners appears to have served three years in the pilotage service, and to be totally ignorant of the duties of a pilot. He cannot steer a vessel, has no knowledge of the chart or lead line, and during his service has only made seven trips with a pilot. Another prentice pilot who has been ten months in the service is equally backward in knowledge of the chart and gasoline tender.

These apprentices on the whole appear to be the makings of good and efficient pilots if properly trained; but from the evidence adduced it is apparent that the branch pilots do not take the slightest interest in them, in so far as assisting them to become acquainted with the pilotage district of Sydney. The only duties they perform appear to be in connection with the embarking and disembarking of the pilots by means of gasolene tender.

PILOT BOATS.

The pilots have one gasoline launch, 35 feet overall, 8-foot beam which has no sleeping accommodation, and two small boats. The launch, which is manned by the pilots and apprentices, cost the pilots about \$1,200.

EYESIGHT AND HEARING TESTS.

Previous to 1917 it appears that no regular examination of the eyesight and hearing of the pilots and apprentices was conducted; but it seems that an annual eyesight and hearing test has been decided upon in this district, as a result of a recommendation made by the Dominion Wreck Commissioner in his finding, following an investigation into the stranding of a steamer in Sydney harbour whilst in charge of a branch pilot.

PENSION FUND.

Two and a half per cent is deducted from the earnings of the pilots for the purpose of providing a fund for superannuating the pilots and granting allowances to widows and children of deceased pilots, and on the 31st of December, 1917, there were \$213.20 in the savings bank besides an investment of \$4,000 in Victory Bonds.

NUMBER OF PILOTS.

It appears from the evidence obtained that there are too many pilots in this district, and a petition has been presented to this commission, signed by a number of the pilots who were present at the time suggesting that the number of pilots be reduced to twenty-six, and the number of apprentice pilots to four.

ST. JOHN DISTRICT.

The inquiry opened on March 20, 1918, at the Board of Trade rooms, which were kindly placed at our disposal by the Board of Trade. Twenty-seven witnesses were examined, the first being Mr. J. U. Thomas, secretary-treasurer of the district, who is not a commissioner.

The Chairmanship is at present vacant owing to the death of Mr. James E. Cowan,—the board now consisting of six commissioners and the secretary.

It was found that pilotage in St. John is divided into three districts, as follows:—1st district: from Partridge island to Musquash head, bearing NW;

2nd district: from Musquash head to point Lepreaux, NW;

3rd district: from the outside limit of the second district to a point ranging from the North Head of Grand Manan to Liberty point bearing NW. by N, north channel,—and from Machias Seal Island to cape Sable, Seal island, bearing SSE, south channel.

The secretary submitted three minute books the first entry bearing date August 11, 1874, which records the first official meeting of the St. John Pilot Commissioners. These books have be regularly kept and the last entry is dated March 1, 1918.

We found, on carefully examining these minute books, that a large number of disputes between pilots and masters of vessels as to the liability of vessels reported

to the secretary as having been spoken within the pilotage limits, and which had later picked up another pilot. We learned that an enormous amount of the commissioners' time had been taken up in settling these disputes. It appears from the minute books produced that in many instances meetings were called, and owing to inability to obtain a quorum the meetings were cancelled.

The total earnings of the pilots in 1917 were \$35,681.37, the deductions for pension fund and other expenses amounting to \$4,442.37, leaving a balance of \$31,239 for distribution to pilots, who defray the expenses of boats, etc., which Pilot Doherty stated average nearly \$100 per month per man. While it is stated in evidence that the earnings of each boat are divided amongst the pilots share and share alike, the annual returns to the Department of Marine, do not show any two pilots receiving similar amounts.

PILOT SCHOONERS.

There are two pilot schooners for this district, the *Howard D. Troop*, which is 105 feet over all, 23 foot beam, 69 tons net, with accommodation for six pilots and four of a crew, having auxiliary engines, with a speed of about 8 knots, valued in 1916 at \$9,800, and was built in 1896. The *David Lynch*, also an auxiliary vessel, was valued at \$6,600. These valuations are taken from a minute under date of 1st September, 1916, and were arrived at by an appraiser. These two pilot boats work in opposition to each other and are owned by the pilots only—the commissioners having no interest in them.

According to the by-laws of the district every licensed pilot is required to be the registered owner of not less than four tons of a licensed pilot boat in actual service. Notwithstanding the above provision it has been customary in the past, where a man does not actually own the required share in a pilot boat, to give him what is known as a flag share, which permits him to use a small boat for boarding vessels.

There is at the present time one pilot who is unable to use this flag as the commissioners would not grant the necessary permission. This pilot has been 20 years in the service, and had shares in a pilot boat, the *David Lynch*, the mortgage on which was foreclosed, and he has been unable up to the present to purchase another share or shares in a pilot boat, even after the *David Lynch* was re-purchased by five pilots, and he is, therefore, not in a position to act as a pilot.

PILOTS.

There are at present fourteen branch pilots here, one of whom is 72 years of age, and two others are above 65 years.

APPRENTICES.

There are four apprentice pilots in the St. John Pilotage district between 18 and 19 years of age. We were unable to have any of these apprentice pilots before us as they were all at sea on the pilot boats. These apprentice pilots are indentured to individual pilots, having to serve under such pilots for five years, besides having to serve as seaman on a square-rigged vessel for two European trips or on trip to South America; but may be permitted to serve on a steamer, at the discretion of the pilotage authority, and are in receipt of \$10 per month. They have no means of supplementing their earnings when serving on the pilot schooners.

POOLING OF EARNINGS.

We find, from the evidence given, that each pilot boat pools its pilotage earnings, which are divided between the pilots who own shares in her and work for her.

PENSION FUND.

The evidence of the secretary is to the effect that the pension fund invested on December 31, 1917, amounted to \$17,684.69. seven per cent is deducted from the pilots' earnings, as well as 25 cents per foot draught on the outward pilotage, the balance from which, after paying office expenses and salary of secretary, is paid or credited to the pension fund.

Pilot Rogers in his evidence expressed dissatisfaction as to the manner in which the pension fund had been administered.

PILOTAGE AUTHORITY.

The weight of the evidence submitted is to the effect that the pilotage authority for the district of St. John should be invested in the Minister of Marine and Fisheries. This appeared to be the unanimous opinion of both pilots and commissioners.

PILOT STATION.

It was first proposed by Captain Bennett, a commissioner for the district, and approved by the majority of the witnesses, that the three existing districts should be discontinued and that one central station should be adopted where a steam pilot tender shall cruise. The following are the proposed bearings for this station:—

Musquash Point light bearing NW. magnetic, Cape Spencer light E. by N. magnetic, distance 8 miles from Partridge island.

RECOMMENDATIONS.

MIRAMICHI DISTRICT.

With respect to the Miramichi district we have the honour to make the following special recommendations:—

- 1. That the administration has been found to have been very satisfactory.
- 2. That the condition of the pilotage in this district has been found to be exceptional and the earnings of the pilots during the year 1917 have been exceedingly low, owing to the falling off of deal shipments by water, from the ports in this district. That it is most urgent that something should be done whereby the individual earnings of these pilots may be increased, and with this in view we strongly recommend that the number of pilots be reduced so as not to exceed twelve, and to accomplished this aim will require the retirement of four of the oldest pilots, whose ages range from 71 to 74. The enforced retirement of these men your commissioners consider will entail a certain hardship as they are well preserved and still active. Having these conditions in mind we recommend that some compensation be made to these men annually, to a sum not exceeding \$300, for the remainder of their lives; but this shall be understood not to extend to any pilots who may hereafter be retired in this district. This will be in line with the precedent created by the Marine Department in the Quebec Pilotage district when reducing the number of pilots in that district a few years ago.
- 3. That in order to assist and keep up a pilotage service, the commissioners recommend that the present pilot vessel Admiral Beatty (which is considered a very suitable vessel and practically new) be taken over from the pilots and the expenses of operating be assumed by the department until such time as the average income of the pilots amounts to \$750 per annum. Unless something is done, in the opinion of your commissioners, it will not be possible for the pilotage service to be maintained. The district is an important one and your commissioners feel that it warrants assistance at this time, without creating any precedent, in view of the exceptional circumstances.

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4. That an additional five per centum per annum be deducted from the gross earnings of the pilots of this district for the purpose of creating and maintaining a superannuation fund for the pilots retiring in the district.

RE SYDNEY PILOTAGE DISTRICT.

We have the following special recommendations to make with respect to the Sydney Pilotage district:—

1. That the system at present in vogue in this district, for the collection of pilotage dues by collectors stationed at North Sydney and International Pier be at once discontinued. That all pilotage dues be required to be paid to the collectors of Customs at North Sydney and Sydney, who should be responsible to the pilotage authority, and who should not grant clearance to any ship until such pilotage dues are paid, or satisfactory arrangements made for payment thereof.

Pilot Tender.

2. That a steam pilot tender be provided for this district, with accommodation for twelve pilots. That this vessel be used for the Louisburg Pilotage district in the late winter and early spring when ice conditions prevail and Sydney harbour is closed.

That seven and one-half per cent of the gross earnings of the pilots of the Sydney Pilotage district be deducted annually to be applied towards the upkeep and running expenses of this steam pilot tender. That the pilots be required to pay for meals on board the tender at a rate to be fixed by the superintendent.

3. That the pension fund should be taken over and managed by the Minister of Marine and Fisheries, and, as at present, five per cent be deducted from the pilotage earnings to be applied in this connection, as well as any receipts from white flag licenses which may be issued, and any fines which may be imposed.

4. That the number of pilots in this district is excessive, and we recommend that no more pilots be engaged so long as the number of pilots for this district exceeds twenty. It is, of course, understood that the number of pilots shall not be reduced until the present apprentice pilots are branched. The twenty pilots are in our opinion sufficient to answer the requirements of the trade of this district.

5. That each of the present apprentice pilots in this district be required to accompany a branch pilot on at least fifty round trips each year.

6. That no further apprentice pilots be appointed in this district. (See General Recommendations.)

LOUISBURG PILOTAGE DISTRICT.

We desire to make the following recommendations specially effecting this district:—
1. That during the late winter and early spring, when ice conditions prevail in this district, the steam tender already recommended for the Sydney Pilotage district be used for the Louisburg Pilotage district. That five per cent of the gross earnings of the pilots of this district be deducted—during the time the tender is used in this service—to be applied towards the upkeep and running expenses of such tender. That the pilots be required to pay for meals on board said tender at a rate to be fixed by the superintendent, similar to the Sydney district.

2. That five per cent of the gross earnings of the pilots of this district be deducted yearly for the purpose of creating and maintaining a superannuation fund for retired pilots.

ST. JOHN PILOTAGE DISTRICT.

With respect to the St. John Pilotage district, we have the following special recommendations to make, in addition to our general recommendations:—

1. That the three pilotage districts as at present constituted under this authority be immediately abolished, and that one district be formed, the outside limit of same to be the cruising ground of the pilot tender recommended hereafter.

2. That a steam pilot tender be provided for the purpose of embarking and disembarking the pilots at the outside limit of the above district at all times, to cruise on the following bearings: Musquash Point light bearing NW. magnetic; Cape Spencer light E. by N. magnetic, distance 8 miles from Partridge island.

3. That the combined rates of the present three pilotage districts be divided by

three to form a new rate for the district proposed above.

This would make a fair and equitable rate for the new district, and, according to the evidence submitted, would meet with the approval of all interested parties. The adoption of the above recommendations, and putting same into practice, would do away with the present system of having three districts, and charging three separate and distinct rates, besides enabling masters of vessels inward bound to know just where to secure the pilots. This would also put an end to the disputes which have arisen in connection with the competitive arrangement which now exists, whereby a ship may be called upon to pay two pilotages, owing to not taking a pilot who claims to have offered his services first, and not being seen by the ship.

GENERAL RECOMMENDATIONS RE QUEBEC AND MARITIME PROVINCES PILOTAGE DISTRICTS.

We have the honour to make the following recommendations in connection with the pilotage districts in Quebec and the Maritime Provinces.

- 1. That the commissions at present administrating the pilotage service in the districts of Miramichi, Sydney, Louisburg and St. John have been found by your commissioners to have outrun their usefulness, and we recommend the immediate enactment of legislation appointing the Minister of Marine and Fisheries the pilotage authority for these districts.
- 2. That it is urgent that a superintendent, having sea-going experience, with a clean record, should be immediately placed in full charge of the Sydney and Louisburg districts combined. That a superintendent with like qualifications be appointed for the district of St. John, and that he be supplied with a qualified assistant for the Miramichi district, such assistant to be responsible to the superintendent of the St. John district, who shall have charge of the St. John and Miramichi districts. That the foregoing officials be immediately placed in full charge of the respective districts, to re-organize and administer their affairs, and be directly responsible to the Minister of Marine and Fisheries. That such superintendents should not have been pilots of the districts mentioned at any time.
- 3. That the tests for the eyesight and hearing of the pilots, and present apprentices, be conducted on a standard basis, the same system applying in the various districts. That such tests should be held annually in the cases of pilots and apprentices under the ages of 65, and semi-annually in the case of pilots between the age of 65 and 70. That any license granted after a pilot reaches the age of 65 be at the discretion of the minister and that all pilots be compulsorily retired at 70 years. That the system in vegue in the Quebec and Montreal Pilotage districts be adopted, as set forth in by-law 16 of the Montreal Pilotage district, which requires all licensed pilots and apprentice pilots to undergo each year an examination as regards eyesight, colour blindness and hearing, before a medical officer and an officer of the Department of Marine, both selected by the minister, and that sight tests shall be the same as those passed by candidates for masters and mates examinations.
- 4. That no pilot or apprentice pilot shall be allowed to use intoxicating liquors. That any infraction of this rule be punishable by fine or suspension for the first offence, and dismissal for the second offence.
- 5. That no intoxicating liquors be permitted to be kept in any pilotage office or on board any pilot tender, or at any pilot station. Any infraction of this rule to entail instant dismissal.

- 6. That in respect of the gratuities given by the pilots we reiterate recommendation 23 of our report respecting the Halifax Pilotage district: viz: that the solicitation by a pilot, or the use of any influence by a pilot to secure for himself, or any other pilot, the pilotage of any ship or ships required to pay pilotage or otherwise, or offering any inducement, monetary or otherwise, be strictly prohibited, and any infraction of this to be considered as an offence, and dealt with accordingly.
- 7. That no pilot be allowed to perform any pilotage duties outside of his own district.
- 8. That upon the appointment of the superintendents, as hereinbefore recommended, new sets of by-laws be drawn up and adopted, defining their duties, with provisions for the management and conduct of pilots, etc., in the respective districts.
- 9. That upon any branch pilot attaining the age of 65 years he should be required to hand in his license, and, providing he is able to pass the usual examination as to eyesight and hearing semi-annually, he may be granted a permit enabling him to act as branch pilot until he reaches the age of seventy years, when he should be compulsorily retired.
- 10. That the systems at present in force in the various Maritime Province Pilotage districts with respect to maintaining apprentice pilots for the purpose of filling vacancies which may occur in the ranks of branch pilots has not been found satisfactory, and we recommend that it be discontinued as soon as the apprentice pilots 'at, present undergoing training have served their time and receive their branch or otherwise cease to become apprentice pilots, and that no further apprentice pilot be engaged. That public notice be given when vacancies arise in the ranks of branch pilots in the various Maritime Province Pilotage districts as well as the Quebec Pilotage district and that an examination of candidates be conducted under proper supervision of an officer of the Marine and Fisheries Department assisted by a Branch Pilot of a standard not lower than that required for a second mate of a sea-going ship, written answers being required to printed questions, and that each candidate be obliged to pass a physical, eyesight and hearing test before final admission to the pilotage service, preference being given to applicants possessing sea-going or coasting certificates, according to grades. It is the intention of your commissioners to have the above recommendation apply to all of the Maritime Province Pilotage districts, as well as the Quebec Pilotage districts; but not to the Montreal Pilotage district, as we feel that Apprentices are necessary in this latter district.
- 11. That the card system of records at present in use by the Department of Marine and Fisheries in the pilotage districts of Montreal and Quebec, be adopted in the Maritime Province districts, and that the respective superintendents shall see that such is strictly carried out.
- 12. That the Minister of Marine and Fisheries should take over and manage the pilots' pension funds already created, or which may hereafter be formed. That the pilots of the respective districts be each year asked to appoint one of their number, who, for the time being, shall act in conjunction with the local superintendent or other officer of the department, and make any representations to the department which may be necessary from time to time in connection with the administration of the pilots' pension funds in the respective districts.
- 13. That after giving consideration to the question of pooling of pilotage earnings, which, in the opinion of your commissioners, tends to maintain a monopoly for a body whose interests are not identical with the best public interests, when they are aware that they get a share of the pool whether they work for it or not, and whose services may not be so readily or cheerfully given as if the employment depended on efficiency and competency and the amount of work obtained depended upon each individual pilot, and after reviewing the different systems in vogue in Canada and elsewhere, and in view of our recommendation that the Minister of Marine and Fisheries become the pilotage authority for all pilotage districts in Canada, your com-

missioners recommend that the pilots be put on a salary which can be adjusted to meet the requirements of the local districts. That the pilots be permitted to draw a certain amount per month, the balance being adjusted quarterly, after making deductions for the expenses of the district, and a proportion, not less than 5 per cent, to go towards creating a pension fund. Your commissioners appreciate the difficulty which may arise in handling this matter in districts where there are only a few pilots, and to meet this we recommend that in districts where a pilot's average earnings are over \$2,000, that 25 per cent of such surplus be placed to the credit of a fund to assist the upkeep of the pilotage service in the poorer districts. In fixing the salaries the pilots will require to be taken into the confidence of the department, and local conditions in each district will need to be considered. Your commissioners think that all pilotage services in Canada should be made and supported by the shipping, and should not be a drain on the revenue of the country.

This is but a brief outline of what undoubtedly will be a radical change, and we think if it is handled properly by marine officials who understand the pilots, and who can explain matters to them, there will be no undue difficulty in putting it into operation.

The commission found that the pilots are a bright, intelligent body of men, speaking of them generally, and if it is left to a man such as a shipmaster the Government need have no fear of any trouble arising, and should matters arise they can be referred to the department for adjustment.

No pilot should, of course, be entitled to any share of pilotage rates or other earnings of the pilots in respect of any time which he shall be absent from duty without leave, and in a case of a pilot being off sick, where a medical certificate is provided, he should receive his share for a period not exceeding one month in any year. All pilotage and other earnings should be collected by and paid to the Department of Marine and Fisheries.

14. The question of the tariff has been dealt with in the district reports.

15. At this juncture, as at least a temporary expediency, as the practical questions which arise from day to day in connection with pilotage between the shipping interests and the pilots are of such a nature that they can be dealt with better by a seaman, and thus avoid the time of the minister and deputy minister being taken up with small matters of administration which require practical opinions, we recommend that a practical officer in the department deal with them. The position in the Montreal district is such that the greatest harmony exists between the shipping interests and the pilots, the underwriters also being well satisfied with the department's administration, and if we can have the same conditions established in Quebec your commissioners will feel that the efforts of the Government will be well rewarded, and the stigma which has been hanging over the St. Lawrence pilotage will be removed.

MONTREAL PILOTAGE DISTRICT.

From the evidence adduced by your Commission it appears that the administration of the Montreal Pilotage district has been carried out in an efficient manner, and in this respect considerable credit must be given to the civil servant who has been handling the records, etc., and followed out the principle introduced by a deceased official, which has been found satisfactory.

One of the questions at issue in this district was a request by the Montreal pilots for an increase in the charges for moving vessels in the harbour of Montreal. The present rate of \$5 for each move was established when Longue Pointe was the outside limit of the harbour of Montreal, and since the extension of the limits as far down as Bout-de-l'Isle the same charge has been made.

After giving the question due consideration and conferring with various shipping interests in connection with the matter we have arrived at the conclusion that the

Montreal pilots are deserving of an increase in the premises, and we recommend the following graduated scale:—

For the movage of any ship from Lachine canal to Victoria pier, or any place within that limit, or vice versa, \$5.

For the movage of any inland or lake vessel from Lachine canal to section 50, or vice versa, \$5;

For the movage of any inland or lake vessel from section 50 to the eastern limit of the harbour, or vice versa, \$10;

For the movage of any sea-going ship from any place in the harbour above Victoria pier to section 50, or vice versa, \$10;

For the movage of any sea-going ship from any place above section 50 to Vickers Dry dock, or vice versa, \$15;

For the movage of any sea-going ship from any place above section 50 to the eastern limits of the harbour, or vice versa, \$20;

For the movage of any sea-going ship from any place above section 50 to the Explosive ground, \$15. Should the pilot be detained on board more than 24 hours he shall be paid an additional \$10 per day. This charge will be over and above the ordinary pilotage of the vessel between Montreal and Quebec.

Pooling of Pilots' Earnings in the Montreal District.

In regard to the pooling of earnings of the pilots in the Montreal district as set out in letter from the Deputy Minister of Marine of July 23, 1918, with enclosure from the secretary of the Montreal Pilots' committee, dated July 18, 1918, the commission went into this matter very fully.

The secretary of the Montreal Pilots' committee quotes the earnings of Pilot Angers as \$1,039.74 for fourteen trips; Pilot A. Perron, as \$985.84 for twenty-eight trips, and Norbert Arcand as \$349.70 for ten trips. These are exceptional cases.

In the first place Pilot Angers referred to is dealing with large ocean liners which are very difficult to handle and require a different class of experience than the vessels handled by Pilots Perron and Arcand, hence the difference in the amount of work and earnings.

In addition, the commissioners attach herewith the earnings of branch pilots in this district from the opening of navigation to July 29, for the years 1915, 1916, 1917 and 1918, and from which it will be seen that the average for 18 special-line pilots for 1918 was \$911.85, and for the 32 "tour-de-role" pilots was \$603.

In 1913, previous to the war, taking a comparison up to July 29, in normal times, the pilots' average earnings amounted to \$1,079.75 for branch pilots and \$643.46 for "tour-de-role" pilots.

Taking normal and present conditions there is little difference, and no reason, in our opinion, to recommend any change in the distribution of the earnings.

It might be stated in fairness that in the year 1916 up to July 29, the line pilots earned an average of \$845.50, and the "tour-de-role" pilots \$750.54. From this it will be seen that since the outbreak of the war the "tour-de-role" pilots (who desire the change) have been making in proportion, circumstances considered, better earnings than the line pilots.

Further, the established lines' representatives are unanimous against any change in the distribution of the earnings, contending that it would interfere with the spirit of enterprise of the pilots in the Montreal district, who look forward to promotion from the "tour-de-role" to the regular lines. The regular pilots undoubtedly make fewer voyages; but the ships they have to handle are larger and more difficult and require the most efficient pilots possible.

The commission finds that there have been fewer vessels coming to the port since the war started, and the gross earnings of the pilotage service are less.

The president of the pilots' committee in his evidence mentioned that there were too many pilots and the number should be reduced to forty.

Your commissioners are of the same opinion, and recommend that during the war the number of pilots be reduced from fifty to forty, and that permission be given to any of the pilots to enter the Naval Service, or the service of any of the shipping companies, as masters, mates, or in other capacities, or be put in a position to serve their country the same as other citizens have been called upon to do. At the termination of the war these men to be permitted to return to the pilotage service.

This, in your commissioners' opinion, would provide for the falling off in ships and increase the present pilots' earnings sufficiently to meet the cost of living which they have to face at present.

QUEBEC PILOTAGE DISTRICT.

In connection with the Quebec Pilotage dictrict, we have found that the administration of pilotage affairs have greatly improved since 1913, due, to a great extent, to the adoption of a system of record-keeping similar to that in force in the Montreal Pilotage district.

There does not seem to be any serious complaints from the shipping interests with respect to the actual administration; but unrest appears to have existed amongst the ranks of the branch pilots of this district, which apparently culminated in a legal action being instituted by the Quebec corporation of pilots against one Branch Pilot Joseph Paquet, to recover from the said Pilot Paquet the sum of \$532.78, being pilotage dues which Pilot Paquet collected during the season of 1917, up to July 2.

The corporation of pilots alleged that this money belonged to it under the old law of 1862, while Pilot Paquet alleged in answer that that old law was repealed by 4 and 5 George V, chapter 48, except insofar as the administration of the pilots pension fund was concerned, and that the corporation of pilots had no right to the money in question under the new law and the regulations competently passed.

The allegations of the corporation of pilots were, in the opinion of your commissioners, directly contrary to the intentions of the Department of Marine and Fisherics in accepting the recommendations of the royal commission which investigated pilotage conditions in this district in 1913, which had for their purpose, the abolition of the corporation of pilots and the compulsory system of controlling the earnings of the pilots which had existed in the Quebec district previous to 1913.

Mr. Justice Dorion, of the Superior Court of Quebec, before whom the above case was argued, rendered judgment dismissing action of the corporation of pilots on November 2, 1917.

The corporation of pilots appealed to the Court of King's Bench from the Superior Court judgment, with the result that a majority of this Court rendered judgment reversing the decision of Mr. Justice Dorion, holding that the corporation of pilots is still entitled to receive from the pilots all of their earnings, and to control same.

Subsequent to the latter judgment Pilot Paquet informed this commission, when he appeared before it, that he had been approached, on behalf of the corporation of pilots, with an offer to defray all costs in connection with the action, providing he dropped the case without further appeal, and, owing to lack of funds, although it was directly against his personal views and wishes, Paquet was inclined to accept the offer unless the Government desired to provide the necessary funds to proceed with the matter and make it a test case.

It was with the foregoing knowledge that your commissioners submitted to you an interim report in connection with this case on April 23, 1918, recommending that the Government take up the cudgel on behalf of Pilot Paquet, and provide the requisite funds to carry the case to the highest courts in order to have a definite decision arrived at in the matter, and settle the status of the Act 4 and 5 George V, chapter 48.

It is understood that, acting on the above recommendation, the Department of Justice has now instituted the necessary proceedings to attain the desired end, and we need not dwell further on the subject, beyond saying that it is to be hoped that some satisfactory conclusion will be reached in the very near future in order to allay the feeling which is undoubtedly growing as a result of the actions of the parties concerned.

Re Pensions given to Quebec Pilots by Dominion Government.

In practically every pilotage district inquired into by your commissioners, reference has been made to the exceptional treatment by the Dominion Government of the pilots for and below the harbour of Quebec, especially in respect of the pensions being paid to branch pilots, retiring, through old age or otherwise, above 60 years of age amounting to \$300 in each case, in addition to the \$300 pension to which they are entitled from their private pension fund.

The answer given by your commissioners to those who raised the question, was that the Government had granted these additional pensions in order to reduce the number of pilots from 116 to 75, in 1906, and was advanced as a special inducement to the pilots to retire; but we were met with the argument that the pensions were still being paid to pilots retiring even at present, above 60 years.

Your commissioners have made a thorough study of the departmental records and other references in connection with this vexed question and arrived at the conclusion that there is not the slightest doubt that the intention of the Marine Department in granting these pensions to retired pilots was for the distinct purpose of reducing the number of pilots to a reasonable figure, viz., from 116 to 75, in 1906, and nothing but a strained interpretation of the Order in Council of December 5, 1906, can be advanced in support of continuing the practice once the number of pilots was reduced to seventy-five

In the opinion of your commissioners, the principle of granting pensions to the pilots who retired after the number had fallen to seventy-five, is absolutely untenable, unless it is extended to apply to retired pilots in the other districts in Canada, and your commissioners recommend that the granting of pensions to retired pilots in the Quebec Pilotage district, while neglecting to deal similarly with the pilotage districts of Montreal, Halifax, Sydney, Miramichi, St. John, Louisburg, Vancouver, Victoria, Nanaimo, and New Westminster, should be discontinued.

In order to alleviate the feeling existing in the other pilotage districts, and to meet out fair and equitable justice your commissioners also recommend that all Pensions granted to retired pilots of the Quebec pilotage district since the number of pilots was reduced to seventy-five, be immediately withdrawn, as there is not the slightest grounds, in the opinion of your commissioners, to justify such an expenditure of the public money of Canada in any special pilotage district.

There is no reason in the world, so far as your commissioners are aware, why the Quebec pilots should be favoured with such a contribution as they are receiving The Dominion Government does not even provide such a pension for its well deserving civil servants, who are in most cases earning much less salaries, and working under more difficult circumstances than the pilots of this district, and for 12 months each year?

Your commissioners cannot press this point too strongly, and we are certain that you will see the force of the argument put forth, especially in view of the fact that the Quebec Pilots corporation have a pension fund of practically \$100,000 which would seem to be sufficient to provide reasonable pensions to all of the Quebec pilots.

In addition to the two pensions which the pilots retiring in Quebec receive at present, it seems that they are each given \$1,000 upon retiring, and your commissioners are at a loss to understand this grant, and the only explanation given by the secretary of the corporation is that it is for the shares in former pilot boats.

Re Expenses, etc., in Quebec District.

Your commissioners have carefully inquired into the various amounts expended by the Department of Marine and Fisheries in connection with the administration, etc., of the Quebec Pilotage district; also the operating expenses of the Quebec Pilots corporation, and have found that for the fiscal year 1916-17, the following expenditures were made by the Marine and Fisheries Department in this district, exclusive of expenses of operating and maintaining the steam pilot tender *Eureka* at Father Point:—

Salaries	\$ 6,269	84
Telephones	188	81
Rentals at Quebec, Montreal and Quebec districts	1,987	30
Rental at Father Point	66	00
Cleaning offices at Quebec	165	00
Coal at Quebec	86	58
Light at Quebec	65	74
Board at Chicoutimi and Father Point	3,143	75
	\$11,973	02

According to the annual returns of the Quebec Pilots' corporation for 1915, 1916 and 1917, the apparent expenses of operation were as follows:—

1915— Pilotage collected by corporation	\$123,569 112,874
Apparent expenses	\$9,695
1916— Pilotage collected by corporation	\$115,711 109,463
Apparent expenses	\$6,248
1917— Pilotage collected by corporation	\$103,563 90,788
Apparent expenses	\$12,775

The apparent cost of operating the corporation of pilots, or difference between earnings and dividends, exclusive of pension fund, is as follows:—

1916		 	 	 6,248
	Total	 	 	 \$28,718
	Average	 	 	 \$9,5723

As a sample of the expenses of the corporation of pilots, the following is extracted from the annual return of that body for 1917:—

Rent	\$ 900	00
General expenses	1,130	28
Expense of pilots	130	95
Indemnities to directors	600	00
Legal advisers	711	00
Interdiction	195	33
Boat shares of pilots	965	50
Secretary-treasurer and assistant	1,750	00
Reserve fund	549	14

The amounts paid by the Marine Department for the board of pilots and apprentices at Chicoutimi and Father Point for the fiscal years 1915-16, 1916-17 and 1917-18, are as follows:—

1915-16	 	 	 ٠.	 	 	 						\$ 1,419	25
1916-17 1917-18													
					 • •		•	•	•	•	•	\$10,706	

From the foregoing it is apparent that the cost of operating the corporation of pilots is almost equal to the amounts expended by the department in administration, and, therefore, if the pilots are prepared to spend as much as \$12,775 of their earnings for the upkeep of an organization such as the corporation of pilots, aside altogether from the administration of their pension fund, and cost thereof, your commissioners do not see any reason why the Marine Department should be called upon to provide the total funds for its administration of this district, and we therefore recommend for your favourable consideration, the advisability of deducting a certain precentage of the pilotage earnings of this district to be applied towards the cost of administration.

We are of opinion that seven per centum of the gross earnings of this district should be deducted for the above purpose.

Your commissioners are also firmly of the conviction that the distribution of the earnings, handling of the pension funds, etc., of the Quebec pilots, now done by the corporation of pilots at considerable expense to the pilots, as hereinbefore outlined, unnecessarily, can easily and well be attended to by the present staff of the pilotage branch of the Department of Marine and Fisheries at Quebec, without any expense whatever to the Quebec pilots, beyond the seven per centum deduction above mentioned, and without entailing any increase of staff or expenditure to the department, and we feel that this method would be favourably looked upon by the pilots if it were given a fair trial.

Even with the purposed seven per centum deduction, the expense to the Quebec pilots would be less than at present, under the corporation of pilots, and with increased efficiency.

Re Quebec Pilotage Tariff.

The pilots of the Quebec district have made a request for an increase in the movage charges for Quebec harbour, and after giving the matter due consideration, we are of opinion that the tariff should be increased to allow \$5 for each movage on the Quebec or Lévis side of the river, and \$10 for each movage entailing crossing from the Quebec side to the Lévis side of the harbour, or vice versa.

Your commissioners also recommend that in cases where pilots are employed as such while a ship's compasses are being adjusted in Quebec harbour, they should be allowed \$10.

The Quebec pilots have also asked that the pilotage tariff between Father Point and Quebec be increased to \$5 per foot draught for the whole year round, instead of the four different rates as at present, for various seasons of the year.

From figures compiled by your commissioners, it is apparent that 85 per cent of the pilotage earned in this district, is during the season from May 1 to November 10, or at the rate of \$3.87 per foot draught inward, and \$3.40 per foot draught outward.

The balance of the pilotage is practically earned from November 10 to 19—on rate of \$4.95 inward, and \$4.46 outward—and from November 19 to the end of the season—on the rates of \$6.02 inward and \$5.54 outward.

In addition to the above rates the shipping companies pay \$12 per trip, each way—or \$24 to the special pilots in the Quebec Pilotage district, and this amounted in 1917, to about \$5,000 extra.

This is, our opinion, a direct contravention of the Canada Shipping Act, and is a pernicious practice which should be stopped immediately.

The Quebec pilots and apprentice pilots are also paid their board whilst waiting for vessels at Father Point and Chicoutimi. In 1917 this amounted to \$6,143.07.

This is another expenditure of public money which your commissioners do not look favourably upon unless similar treatment is meted out to the various other pilotage districts in the Dominion.

In order to meet this situation your commissioners recommend that the pilotage on outward bound vessels—from Quebec to Father Point—between May 1 and November 10, be increased from the present rate of \$3.40 to \$3.65, and that the Quebec pilots and apprentice pilots be required to provide their own board, etc., at Father Point and Chicoutimi; other rates to remain as at present.

Your commissioners feel that with the department administrating the distribution of earnings, pension fund, etc., the pilots will find an increase in their dividends, and that the 25-cent increase above provided, will pay for their board, etc., at Father Point and Chicoutimi, and still leave a comfortable increase on the right side of the ledger.

For the reasons given in dealing with the Montreal district, your commissioners are of the opinion and recommend that during the war the number of pilots in the Quebec district should be reduced from sixty-two to fifty—the same ratio as used in connection with the Montreal district—and that permission be given to any of the pilots to enter the Naval Service, or any of the shipping companies as masters, mates or in other capacities, or put in a position to serve their country the same as other citizens have been called upon to do. At the termination of the war these men to be permitted to return to the pilotage service.

This, in your commissioners' opinion would provide for the falling off in ships, and increase the present pilots earnings sufficiently to meet the cost of living which they have to face at present.

Re Paquet Case.

The decision in the Paquet case which is now under appeal, if maintained, will take away certain powers which the Minister of Marine and Fisheries, as pilotage authority in the Quebec district, has in connection with the earnings of the pilots, and should the appeal fail it will be necessary to put this matter beyond a doubt so as to give the minister the control that is necessary for the proper administration of the Quebec district.

SUPERINTENDENT OF PILOTS FOR THE MONTREAL AND QUEBEC DISTRICTS.

On page 8 of the report of the royal commission on pilotage in the Quebec district, 1913, clause 3, reads as follows:—

That the Government should appoint a superintendent of sea-going experience in full charge of the district, to reorganize its affairs, and be directly responsible to the minister. That he should not have been a pilot of the district at any time, and qualified assistants should be appointed as may be found necessary.

From the information given to the commission it was found that a superintendent of sea-going experience with a master mariner's certificate had been appointed to this district; but through circumstances which may have been beyond the department, his services were requisitioned for war purposes, and his duties were placed in the hands of the acting superintendent of pilots, who admitted to the commissioners that he had been a member of the Quebec corporation of pilots which has given the Government so much trouble in the past. When asked by your commissioners at the inquiry, he admitted he would still look to the corporation for his pension.

Your commissioners, in view of the report made by the commission above referred to, and the representations that have been made from time to time, consider it would be in the best interest of all concerned to endorse and reiterate the recommendations made in 1913 that a superintendent of sea-going experience who has not been a pilot, be immediately put in charge of the administration of the Montreal and Queb-c Pilotage districts. Our reasons we desire not to dwell further on.

Re Bill 105 (1914).

Advantage was taken, in the different districts where our inquiries were held, to submit Bill 105, "An Act to consolidate and amend the Canada Shipping Act," which was introduced in the third session of the twelfth Parliament, 4 George V, 1914.

This Bill was not proceeded with in that session, and it was indicated that the matter was to be held over until the termination of the war. In part V. certain amendments to the present Pilotage Act are set out, which, if put in force, would exempt Canadian registered vessels from the payment of pilotage while employed in coasting voyages within certain limits. This amendment was submitted to the respective interests and no serious objections were raised as to it being put in force. In England and in the United States vessels engaged in the coasting trade are exempt from the obligation to pay pilotage. These privileges should be more distinctly defined as it is not clear in Bill 105 that they are to be only applicable to vessels registered and owned in Canada. The Bill also provides for the minister becoming the pilotage authority for all districts in Canada. This amendment would meet our recommendations in regard to the minister becoming the general authority for all pilotage districts in Canada. In the opinion of your commissioners, this Bill, when it is passed by the House and put in force, will meet all requirements and be somewhat similar to that which has been recently put into effect in the United Kingdom.

When all is said and done, pilotage in the United Kingdom has been in equally as bad a muddle as what we have found here, and in going into the pilotage question, not alone of the United Kingdom, but all maritime nations, it appeared to be in an unsatisfactory condition, generally speaking.

In view of the urgency of the question, it might be beneficial if part V of Bill 105, dealing with pilotage, were introduced in the next session of Parliament and put in to force and effect as soon as possible.

Owing to the many cases which may arise in adjusting this report, your commissioners feel that in order to satisfy the pilots and other interests, it would be well if a commission, of not more than three members—including a representative of the minister, as chairman, a representative of the shipping interests, and a representative of the pilots—were appointed to act in an advisory capacity for the minister, for the purpose of making local by-law; settling the limits of pilotage districts; rates of pilotage; regulating pilotage at and for each district; and recommending such by-laws for the approval of the minister, who shall be the pilotage authority.

The commission wishes to record its sincere appreciation of the valuable services rendered by Mr. J. T. Rowan, of the Department of Marine and Fisheries, its secretary.

In our inquiries in the different pilotage districts considerable written and oral evidence was adduced, which has thrown a large amount of labour upon Mr. Rowan, and the skill and industry displayed by him in connection therewith has greatly facilitated the preparation of this report.

The commission respectfully submits the foregoing as its report.

We have the honour to be, sir,

Your obedient servants,

THOMAS ROBB.

Chairman.

JAS. N. BALES.

Commissioner.

J. W. HARRISON,

Commissioner.

J. T. Rowan. Secretary.

9 GEORGE V, A. 1919

1915—Branch Pilots earnings from the opening of navigation to July 29, 1915, including movages and the number of trips for each one.

No.	Name of Pilot.	Special Pilots.	6	To le-I me	Role	Mov	ages	Total earnings.	No. of Trips
		\$ cts.		\$	cts	\$	cts	. \$ cts	
1	Ferdinand Labranche				38 98		40 00		
2	Louis Z. Bouille				14 82	1	75 00		
4	Delavoie Nault	1,438 00 1,448 37				1	10 00		
5	Wilbrod Gauthier.						35 00		
6	Norbert Arcand	1,099 32				1	10 00		
7	Tancrede Bouille				31 03	:	55 00		
8	Wilfrid Raymond	916 00					5 00		
9	Joseph P. Hurteau	1,424 23					15 0		
10	Edouard Perreault	523 50				l .	5 00		
$\frac{11}{12}$	Honore Dussault	1,258 10			86 94	1	5 00 30 00		
13	Alexis Perreault.	1,630 05				ļ	20 00		
14	Come Dufresne				60 78	;	80 00		
15	Aubert Naud				11 87		20 00		
16	Napoleon Dussault						20 00		
17	Prudent Bellisle						35 00		
18	Georges Arcand				$63 \ 71$		80 00		
19	Constant Toupin				99 75		40 00		
20	Georges Perreault						10 00		
$\frac{21}{22}$	Narcisse Bouille						5 00		
23	Joseph Leveille Severe Perron	1,268 56							
$\frac{23}{24}$	Alberic Angers.	814 78						814 7	
$2\hat{5}$	Arthur Belisle				17 60		80 0		
26	G. Theodule Hamelin	1,438 28	3		,		5 00		
27	G. Theodule Hamelin				42 89		30 00	1,072 8	9 2
28	J. N. Raymond			9	46 66	i	80 00		
29	J. Henri Bourassa			· · <u>:</u>		.[10 00		
30	E. Azarias Paquin				12 37		55 00		
$\frac{31}{32}$	J. M. Labranche				83 40 63 00		45 00 65 00		
33	J. Arthur Gariepy								
34	Albert Gagnon.				56 69		45 0		
35	J. Oswald Frenette					1		1.026 8	
36	C. B. Hamelin				52 83		40 0		
37	Tancrede Perron						5 0		
38	J. Delavoie Frenette	616 50)				11.11	616 5	9
39	Fortunat Hamelin	1,382 25					15 00		[5] 2
10	J. C. Gauthier			٠.,			40.0	763 7	
11 12	John B. Angers				58 70	'\	40 0	0 898 7 . 668 4	
13	Napoleon Lachance				79 97	,	40 0		
14	Henri Bouille				03 08		15 0		
45	Theode Perron						10 0		
46	Bona Dussault	389 60)					. 389 6	0
17	J. Arthur Arcand							1,209 1	
18	F. X. Rivard			7	69 64		45 0		
19	J. A. Mayrand				27 20		50 0		
50	Jules Briere			9	38 46)	65 0	0 1,003 4	6 2
			-1			-			-

The average for 28 special pilots is The average for 22 tour-de-role men is \$1,073.81 798.19

1916—Branch Pilots earnings from the opening of navigation to July 29, 1916, including movages and the number of trips for each one.

ω.	Name of Pilot.	Special Pilots.	Tour- de-Role men.	Movages	Total earnings.	No. of Trips
		\$ cts.	\$ cts.	\$ cts.	\$ ets.	
1	Louis Z. Bouille		581 47	65 00	646 47	1
	Laurent Gauthier	830 75		15 00	845 75	1
3	Delavoie Nault			30 00	663 38 901 50	1
ă	Norbert Areand	541 09			541 09	1
6	Tancrede Bouille		654 70		679 70	1
1	Wilfrid Raymond,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	909-50 736-28		15 00	924 50 736 28	1
1)	I donard Perreault.	370 17			370 17	1
10	Honore Dussault		517 42		522 42]
11 12	Arthur Briere	1,194 18		40 00	1,234 18	2
Li	Mexis Perrenult	1,120 10	746 26		$1,125 \ 15 \ 811 \ 26$	3
H	Napoleon Dussault.			60 00	1,107 67	ĺ
15	Authort Naud		810 90	10 00	820 90	3
10 . 17	Prodent Bellisle	736 45	598 01	45 00	736 45 643 01	
	t on thant Toupin		763 75	60 00	823 75	
H	George: Perregult		651-30	50 00	701 30	
(0)	Narcree Bouille	439 50		25 00	464 50	
21 11	Joseph Leveille	$\frac{1,108.75}{663.69}$		35 00	$1,143 75 \\ 663 69$	
21.	Affaric Angers.	825 30		25 00	850 30	1
24	Arthur Belisle		750-75		825 75]]
25 ' 26	G. Theodule Hamelin Anthyme Perreault		803 75 885 84	$ \begin{array}{r} 80 \ 00 \\ 160 \ 00 \end{array} $	$88375 \\ 1,04584$. 1
20 27 -	Joseph Raymond		S48 00	115 00	963 00	1
14	J. Henri Bourassa	$1.069\ 62$			1,069 62	;
20	E. Azarias Paquin		799 60	65 00	864 60	
10 11	J. M. Labranche		801 75 838 53	$\begin{array}{c c} & 40 & 00 \\ 85 & 00 \end{array}$	$841 75 \\ 923 53$	
62	J Arthur Gariepy			40 00	886 25	
t.t	Albert Gagnon		754 51	25 00	779 51	
14 15	1 Oswald Frenette		809 34	55 00	864 34	:
tri	Vancrede Perron		837 23	50 00 75 00	887 23 $1,136 75$	
	J. Delavoie Frenette			5 00	990 25	
18	Fortunat Hamelin	917 50		30 00	947 50	
19 10	J. Cyriae GauthierJohn B. Angers		799 96	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1,077 46 834 96	
	David J. Perrenult		678 50	25 00	703 50	
C'	Napoleon Lachance	868 75		10 00	878 75	
13	Henri Bouille		782 76	75 00	857 76	
H 15	Theode Perron	$1,074 \ 01$ $373 \ 81$		5 00	$\frac{1,074}{378} \frac{01}{81}$	
6	L. Arthur Areand		776 75	40 00	816 75	į :
17	1 . X. Rivard		710 88	55 00	765 88	
18 10	J. A. Mayrand		$74695 \\ 73132$	$120 00 \\ 65 00$	866 95 796 32	
90	Nap de Villers.		731 32	100 00	838 15	

The average of 23 special pilots is The average of 27 tour-de-role men is 8845.50 750.54

9 GEORGE V, A. 1919

1917.—Branch Pilots earnings from the opening of navigation to July 29, 1917, including movages and the number of trips for each one.

1 2 3 4			men.	Movages	earnings.	of Trips.
$\frac{2}{3}$		\$ ets.	\$ cts.	\$ ets.	\$ cts.	
3	Louis Z. Bouille		961 48	90 00	1,051 48	19
	Laurent Gauthier	1,008 32	776 23	40 00! 40 00	$1,048 32 \\ 816 23$	13 16
	Delavoie Nault	1,005 90	110 25	5 00	1.010 20	13
5	Norbert Arcand	1,000 00	1,053 73	85 00	1,138 73	
6	Tancrede Bouille		1,004 45	45 00	1,049 45	20
7	Wilfrid Raymond			30 00	1,081 66	14
8 9	Joseph P. Hurteau	308 22	1,162 30	90 00 10 00	$1,252 30 \\ 318 22$	22
10	Honore Dussault		711 67	25 00	736 67	14
11	Arthur Briere.			40 00	584 11	8
12	Alexis Perreault	1,211 00		15 00	1,226 00	35
13	Come Dufresne		912 37	50 00	$962 \ 37$ $1,006 \ 05$	18 17
14 15	Aubert Naud	1 079 59	981 05	$\frac{25}{15} \frac{00}{00}$	1,00003	14
16	Prudent Bellisle	1,012 02	986 47	125 00	1,111 47	21
17	Georges Arcand		1,074 40	55 00	1,129 40	18
18	Constant Toupin		576 13	75 00	651 13	10
19	Georges Perreault			20 00	1,075 78	14
$\frac{20}{21}$	Narcisse Bouille			5 00 10 00	$\begin{array}{c} 441 \ 87 \\ 1.191 \ 28 \end{array}$	6
$\frac{21}{22}$	Severe Perron	1,101 20	998-60	115 00	1,113 60	22
$\frac{22}{23}$	Alberic Angers.		6,0000	20 00	1,069 03	14
$\overline{24}$	Arthur Belisle		1,010 91	90 00	1,100 91	16
25 .	Anthyme Perreault		988 44	125 00	1,113 44	22
26	Joseph N. Raymond	1 960 44	905-61	$\begin{array}{ccc} 75 & 00 \\ 15 & 00 \end{array}$	$\begin{array}{r} 980 \ 61 \\ 1,275 \ 44 \end{array}$	19 37
27 28	J. Henri Bourassa E. Azarias Paquin.	1,200 49	1,050 72	55 00	1,105 72	19
29	J. M. Labranche.		971 97	45 00	1,016 97	17
30	Damien Paquet		951 78	55 0 0	1,006 77	18
31	J. Arthur Gariepy		981 66	85 00	1,066 66	
32	Albert Gagnon		1,003 88 858 84	$\begin{array}{c} 35 & 00 \\ 45 & 00 \end{array}$	1,038 88 903 84	
33 34	J. Oswald Frenette		990 81	40 00	1,030 81	
35	Tancrede Perron		250 01	30 00	1,351 23	
	J. Delavoie Frenette	977-63		30 00	1,007 63	11
37	Fortunat Hamelin	1,064 93		10 00	1,074 93	13
38	J. Cyriac Gauthier	968 78	700.00	35 00	1,003 78	13
39	John B. Angers		763 23 761 65	75 00 $25 00$	838 23 786 65	16 14
40 41	David J. Perreault	949 02	101 00	15 00	984 02	12
42	Henri Bouille	010 02	1,027 07	60 00	1,087 07	19
43	Theode Perron	1,328 79		100 00	1,428 79	
44	Bona Dussault	428 19			428 19	
45	J. Arthur Areand (Sick)		$\begin{array}{r} 31 \ 25 \ 871 \ 97 \end{array}$	$\begin{array}{c} 5 & 00 \\ 45 & 00 \end{array}$	$\begin{array}{r} 36 \ 25 \\ 916 \ 97 \end{array}$	
$\frac{46}{47}$	F. X. Rivard Joseph A. Mayrand		822 27	100 00	922 27	19
48	Jules Briere		846 46	45 00	891 46	
49	Napoleon de Villers	<i></i>	970 73	110 00	1,080 73	19
50	Achille Gosselin		746 92	$95 \ 00$	841 92	17
		10 000 50	27,755 05	2,475 00	48,453 75	832

The average for 19 special pilots is \$959.14 The average for 31 tour-de-rote men is \$959.32

1918.—Branch Pilots earnings from the opening of navigation to July 29, 1918, including movages and the number of trips for each one.

Louis Z. Rouille.		Name of Pilot.		Special Pilots.	Tour- de-Role men.	Movages	Total earnings.	No O Tri
Parient Gauthier 212 88				\$ cts.	\$ cts.	\$ ets.	\$ cts.	
Belayoic Nault							704 69	
Wilbrod Gauthier 1,068 44 45 00 1,113 Norbert Areand 538 48 35 00 573 Lanceade Bouille 529 44 45 00 574 Wilfrid Raymond 954 56 10 00 968 Leoph P. Hurtean 788 63 120 00 968 Lebourd Perreault 755 38 30 00 785 Lebourd Perreault 1,133 62 30 00 516 Arthur Briere 352 35 25 00 377 Meet Perrenult 1,133 62 30 00 1,163 Aubert Naul 638 11 15 00 658 Nupedeon Dussuit \$23 62 20 00 \$43 Prudent Belisle 782 34 80 00 862 Coentre Verand 456 66 55 00 511 Constant Foughi 540 78 30 00 576 Contant Foughi 540 78 30 00 570 Contant Foughi 971 42 55 00 511 Contant Foughi 971 42 55 00 10 <td>- 1</td> <td>Laurent, Gauthier</td> <td></td> <td></td> <td></td> <td></td> <td>217 88</td> <td></td>	- 1	Laurent, Gauthier					217 88	
Norbert Areand 538 48 35 00 573 Cancerde Bouille 529 44 45 00 964 Morph P. Hurtean 788 63 120 60 908 Lelouard Perreault 755 38 30 00 785 Home Dussuit 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 516 Arthur Briere 352 35 486 80 30 00 517 Author Vaul 384 11 15 00 683 Author Vaul 523 62 20 00 843 Author Vaul 523 62 20 00 843 Prudent Bellick 782 34 80 00 852 Constant Longin 540 78 30 00 570 Varince Bountle 971 42 55 00 1,024 Secret Petron 540 78 30 00 570 Arthur Beliek 971 42 55 00 1,024 Secret Petron 971 42 55 00 602 Althur Beliek 971 42 55 00 602 Authorn Petrounit 602 41 110 00 712 Althur Beliek 972 42 90 00 717 Hort Petron 1,255 33 20 00 717 Hort Petron 1,124 44 40 00 1,164 Avantur Papura 589 90 65 00 654 Avantur Papura 589 90 65 00 665 Atthur Common 592 13 500 00 Author Common 593 01 30 00 623 Author Common 593 01 30 00 620 Author Common 593 01 30 00 620 Author Common								
Tamerede Bouille. 529 44 45 00 574 Wilfrid Raymond. 954 56 10 00 964 Wilfrid Raymond. 954 56 120 00 963 16 0 pm 964 16 0 pm 968 16 0 pm 968 16 0 pm 964 16 0 pm 964 16 0 pm 968 16 0 pm 964 16 0 pm 965 16 0 pm 96	1	William Cauthler					573 48	
Wilfrid Raymond 954 56 10 00 964 Loeph P, Hurteau 788 63 120 60 908 Lolouard Perreault 755 38 30 09 785 Homore Dussault 486 80 30 09 785 Arthur Briere 352 35 25 00 377 Alext Perrenult 1,133 62 30 00 1,163 Aubert Naul 638 11 15 00 653 Aubert Naul 638 11 15 00 653 Napoleon Dussault 823 62 20 00 843 Punden Hellich 782 34 80 00 862 Contant Foupin 540 78 30 00 570 Nar ve Fourith 971 42 55 00 1,026 Sevice Perron 602 41 110 00 712 Where Verleg 1,004 53 20 00 1,225 Author Received 1,025 33 20 00 1,225 Author Received 1,225 33 20 00 1,225 Author Received 602 41 110 00 712 <		Fancrodo Rouille					574 44	
Lebenth P. Hurtean 788 63 120 60 908 Lebenth Perreault 755 38	,	Wilfrid Raymond		954 56		10 00	964 56	
Honore Dussault		toseph P. Hurteau					908 63	
Atthur Briere 352 35 25 00 377 Alexer Perrenult 1,133 62 30 00 1,163 Aubert Naul 638 11 15 00 638 Aubert Naul 20 00 843 Nucleur Diesuilt 823 62 20 00 843 Prudent Bellisle 782 34 80 00 862 Ceatgre Vrand 456 66 55 00 511 Contant Fough 540 78 30 00 570 Nature Pourtle 971 42 55 00 1,026 Lough Leveille 1,004 53 20 00 1,024 Sever Petron 1,235 33 20 00 1,273 Ather Auger 1,235 33 20 00 1,273 Ather Auger 1,235 33 20 00 1,273 Ather Auger 1,225 33 20 00 1,273 Ather Auger 1,225 33 20 00 1,273 Ather Auger 607 47 55 00 662 Auther Auger 672 84 90 00 762 Auther Auger 1,2							785 38	
Mexis Perrenult								
Authert Naud 638 11 15 00 653 Numbeleon Duesnitt 823 62 20 00 843 Prudent Rellishe 782 34 80 00 862 Geother Virand 456 66 55 00 511 Constant Fourin 540 78 30 00 570 Native Bouttle 971 42 55 00 1,026 In right Leveille 1,004 53 20 00 1,024 Sevete Petron 1,255 33 20 00 1,273 Ather Anger C 1,255 33 20 00 1,273 Arthur Belisle 607 47 55 00 662 Author Petreault 672 84 90 60 702 Arthur Belisle 672 84 90 60 702 Author Petreault 672 84 90 60 702 I Hent Pena at 1,124 44 40 00 1,164 I Varier Papin 589 9 65 00 654 I M Labrandia 663 37 45 00 708 Damier Papin 663 37 45 00 708 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,163 62</td> <td></td>							1,163 62	
Number Descript S23 62				1,100 02			653 11	
Constant Foupin 540 78 30 00 570				823 62			843 62	
Constant Fourification	- 1	Prodest Bellisle					862 34	
Nature Fourifie							511 66	
Descript Levelle				671 49				
Severe Petron		Learth Loveillo					1,024 53	
After Agger? 1,255 33 20 00 1,275 Arthur Belisle 607 47 55 00 662 Arthur Belisle 672 84 90 00 762 Arthur Partenult 627 20 96 00 717 I Hent Porta a 1,124 44 40 00 1,164 I A Zarra Pappus 589 99 65 00 654 I M Labranche 663 37 45 00 708 Dannen Papus 641 65 55 00 696 I Arthur Campy 630 36 65 00 695 I Caractery 545 21 50 0 606 Mbert Cagnes 630 36 65 00 695 I Caractery 55 161 70 00 721 CH Hamelm 733 35 45 00 778 Lacrack Frican 892 13 100 00 992 I Charactery 892 13 100 00 992 I Charactery 74 87 45 00 746 Lotary Lacractery 1,022 95 60 00 778 Lotar							712 41	
Author Refreault 607 47 55 90 662 602 70 70 70 70				1,255 33			1,275 33	
Complex Caymond Caym		Arthur Belisle					662 47	
Heart Postar a								
Variety Paper 589 99 65 00 654 M. Labranche 663 37 45 00 708 Damien Paper 641 65 55 00 696 Arthur Carriery 545 21 55 00 696 Arthur Carriery 630 36 65 00 693 Coxald Liberte 651 61 70 06 721 Carrier Liberte 651 61 70 06 721 Carrier Liberte 763 35 45 00 778 Labratch Parion 892 13 100 00 992 Liberte Liberte 701 74 45 00 746 Labratch Parion 1,022 95 60 06 1,032 Lettra Carrier Liberte 1,035 68 25 00 1,030 Lettra Carrier Liberte 775 50 5 00 80 Labrat Barrier 75 50 5 00 80 Nagoleon Lachance 593 01 30 00 623 Heinr Bountle 796 89 70 06 846 Labrat Davien Liberte 895 47 65 00 960 Latrier Localite 453 45 40 00 493 F.X. Rivard 895 47 65 00 960 Latrier Localite 576 48 70 00 626 Latrier Localite 576 48 70 00 Latrier Localite 576 48 70 00							1,164 44	
M Labranche			1				654 99	
Nithin Campy						45 00	708 37	
Minest Cagnon 630 36 65 00 695 I Crearl Fractic 651 61 70 00 721 Crit Hamelin 763 35 45 00 778 Lacrach Fricon 892 13 100 00 992 I behave Fricon 892 13 100 00 746 Loctural Hamere 1,022 95 60 06 1,082 I Crito teather 1,035 68 25 60 1,060 Ichia B Amer 74 87 40 00 784 David J Perremit 75 50 5 00 80 Napoleon Lachance 593 01 30 00 623 Hemri Bourlle 796 89 50 06 866 Theode Petron 1,112 69 65 00 1,172 Bona Disseault 895 47 65 00 960 LAtthur Aleand 453 45 40 00 493 F. N. Rivard 530 39 90 00 620 Loceph A. Mayrand 1,096 10 20 06 1,116 Joreph A. Mayrand 1,096 10 20 06 1,116 </td <td>- 1</td> <td>Dannien 1' agaet</td> <td></td> <td></td> <td></td> <td></td> <td>696 65</td> <td>i</td>	- 1	Dannien 1' agaet					696 65	i
1 trival 14 morte 651 61 70 00 721 C H Hamelin 763 35 45 00 778 Lacered Perron 892 13 60 00 992 1 Delayar Frient 701 74 4 45 00 746 Loctural Hamelin 1,022 95 6 60 0 1,032 1 Crito Coeffher 1,035 68 25 00 1,030 1 Crito Coeffher 744 87 40 00 784 Island A Agree 744 87 40 00 784 David J Petreault 75 50 50 80 80 Napoleon Lachance 593 01 30 00 623 Hemri Boudle 796 89 50 06 846 Theode Petron 1,112 69 60 65 00 1,177 Bona Duscault 895 47 65 00 960 L Arthur Areaud 453 45 40 00 960 E X Rivard 530 39 90 00 620 Loceph A Mayrand 1,096 10 20 00 1,116 Jules Briere 576 48 70 00 646 Nap de Villers 690 52 70 00 750 Achille Gosselin 781 73 95 00 876							600 21	
Colling								
Lannals Ferrors 892 13 160 00 992 1 Deliver Freschte 701 74 45 00 746 1 certural Hamere 1,022 95 60 06 1,032 1 certural Hamere 1,035 68 25 60 1,060 1 certural Contine 744 87 40 00 784 David J Percenit 75 50 5 00 80 Napoleon Lachance 593 01 30 00 623 Henri Bourlle 796 89 50 06 846 Theode Petron 1,112 69 65 00 90 1 Arthur Areand 453 45 40 00 493 F X Rivard 530 39 90 09 620 Loceph A. Mayrand 1,096 10 20 60 1,116 Jules Briere 576 48 70 00 760 Nept de Villers 690 52 70 00 750 Achille Gosselin 781 73 95 00 876	4						778 35	
The layer of Free Property The layer of				892 13			992 13	
1 Certa Carther 1,035 68								
Ichn B Anger 744 87 40 00 784 Paval J Perreanit 75 50 5 00 80 Napoleon Lachanee 593 01 30 00 623 Henri Bourlle 796 89 50 06 846 Prode Petron 1,112 69 65 00 1,177 Bona Dussenult 895 47 65 00 960 4 Arthur Areand 453 45 40 00 493 4 X. Rivard 530 39 90 00 620 Joseph A. Mayrand 1,096 10 20 00 1,116 Jules Briere 576 48 70 00 646 Nap de Villers 690 52 70 00 750 Achille Gosselin 781 73 95 00 876							1,082 95	
David J. Ferreauit 75 50 5 00 80 Napoleon Lachance 593 01 30 00 623 0 Henri Boudle 796 89 50 06 846 0 Theode Petron 1,112 69 65 00 1,177 0 Bona Duccault 895 47 65 00 960 0 L Vithur Areand 453 45 40 00 493 0 F.N. Rivard 530 39 90 00 620 0 Joeph A. Mayrand 1,096 10 20 00 1,116 0 Jules Briere 576 48 70 00 646 0 Nap de Villers 690 52 70 00 750 0 Achille Gosselin 781 73 95 00 876								
Napoleon Lachance 593 01 30 00 623 Henri Roulle 796 89 50 06 846 Theode Petron 1,112 69 65 00 1,177 Bonn Dussenult 895 47 65 00 960 1 Arthur Areand 453 45 40 00 493 F X Rivard 530 39 90 00 620 Joeph A. Mayrand 1,096 10 20 00 1,116 Jules Briere 576 48 70 00 646 Nap de Villers 690 52 70 00 750 Achille Gosselin 781 73 95 00 876							80 50	
Henri Bourlle							623 01	
Bona Duccenult 895 47 65 00 960 1 Arthur Areand 453 45 40 00 493 F.A. Rivard 530 39 90 00 620 Jo eph A. Mayrand 1,096 10 20 66 1,116 Jules Briere 576 48 70 00 646 Nap de Villers 690 52 70 00 750 Achille Gosselin 781 73 95 00 876					796-89	50 00	846 89	·
1. Virtum Vicand 453 45 40 00 493 F. X. Riyard 530 39 90 00 620 Jor eph A. Mayrand 1,096 10 20 60 1,116 Jules Briere 576 48 70 00 646 Nap de Villers 690 52 70 00 760 Achille Gosselin 781 73 95 00 876		Theode Person		-1,112 69			1,177 66	
F. X. Rivard 530 39 90 00 620 for eph A. Mayrand 1,096 10 20 60 1,116 fulles Briere 576 48 70 90 646 Nap de Villers 690 52 70 00 7500 Achille Gosselin 781 73 95 00 876							960 47	
Joreph A. Mayrand 1,096-10 20-96-1,116 Jules Briere 576-48 70-90-646 Nap de Villers 690-52 70-90-750 Achille Gosselin 781-73 95-90-876							493 45	
Jules Briere 576 48 70 00 646 e Nap de Villers 690 52 70 00 760 e Achille Gosselin 781 73 95 00 876							1,116 10	
Nap de Villers 690 52 70 00 760 Achille Gosselin 781 73 95 00 876	, i	lules Briere		1,000 10	576 48		646 48	
Achille Gosselin	- 1	Nap de Villers			690 52	70 00	760 52	
		Achille Gosselin					876 73	
					484 61	55 00	539 61	
Donat Paquette	1	Donat Paquette			554 96	85 UU	639 96	1_

The average for 18 special pilots is, \$911.85 The average for 32 tour-de-role men is 693.43

Pilot Laurent Gauthier (No. 2 on the list) has been sick since May 27. Pilot J. Arthur Arcand (No. 43 on the list) being sick last spring, started to work on about May 25, 1918.