

arbitrary. Over 200 lbs. to 500 lbs., single shipment, add 45c. a lb. Over 500 lbs., add 40c. a lb. arbitrary. In all cases use the \$20 rate to Dawson, then add arbitrary as above. For valuation, charge graduated currency rates. Intermediate agents will use their present rates to Dawson, adding above arbitraries, with a minimum arbitrary of \$1. Gold dust and bullion, 1% of the value of the shipment, minimum charge \$20. Marine insurance 1½% between Dawson and the Sound, 3-8 of 1% between Skagway and the Sound. The White Pass & Yukon Route, over whose line the Alaska Pacific Ex. Co. operates, will maintain a stage line between White Horse and Dawson, beginning about Dec. 1; it will operate twice a week for the first few weeks, when more frequent trips will be made, and as soon as the trails are in condition and business will warrant, will operate daily if necessary.

In 1864 Cariboo stages were running to Swift Current, and in 1866 the stage line was extended to Barkerville. The entire distance of the road is 287½ miles, or 575 miles, for the round trip, from Ashcroft to Barkerville and back. The stage line requires 80 head of horses to operate it and 20 vehicles; seven or eight drivers are required to meet the traffic demands. The record time on the trip was made a year or two ago by F. Carter-Cotton, then a member of the B.C. Government, who with special stages and drivers made the round trip from Ashcroft and back in 74 hours' actual travelling. The stage is operated by the B.C. Express Co., Manager J. B. Leighton. The Co. runs a number of branch stage lines such as the Lillooet, Ashcroft road, Dog Creek and other lines upon which regular stage lines are operated. It has a coach factory and repair shop, at which stages are built and repairs executed. This is situated at the 111-mile stopping point. Only passengers and express freight are carried by the B.C. Ex. Co. Under the head of express freight, however, it has handled some very large shipments, including one of 5,000 lbs. of cement, and another of 14,000 lbs. of hydraulic pipe and supplies for one of the large mining companies operating in the Cariboo. The Cariboo stage is peculiarly adapted for the travel over mountain roads, and quite recently two of the original Cariboo stages were purchased by a Dawson business man who intends opening up stage routes between Dawson and the creeks and outside mining centres of the Yukon.—Vancouver World.

Telegraph and Cable Matters.

The Newfoundland Government has had a wireless telegraph plant installed at Cape Race.

The G.N.W. Telegraph Co. has opened an office in the new G.T.R. station at Point St. Charles, Montreal.

The U.S. Government cable from Skagway to Juneau, Alaska, was completed Aug. 23, and a month later was reported to be a failure, it having been broken in nine places.

The Newfoundland telegraph system, hitherto controlled by R. G. Reid, was transferred to the Government on Oct. 3, and, so far as St. John's is concerned, the business will in future be transacted at the post office.

Hazel Hill, a little village two miles from Canso, N.S., possesses perhaps the largest and most interesting cable stations in the world. No fewer than 9 cables have their shore ends in the offices, 4 of them being transatlantic cables, and the others giving connection with various points of the continent. In the town of Canso the Western Union Telegraph Co. has its cable station.

The Dominion steamer, Tyrian, completed laying the cable from Chateau Bay to Belle

Isle, Newfoundland, and the first messages were transmitted along it Sept. 16th. Belle Isle is to be made a Government and Lloyd's signal station for reporting vessels, and arrangements are in progress for the establishment of a telegraph station at Point Amur lighthouse. The cable was reported as having been broken by an iceberg on Sept. 26, but this was repaired, and on Oct. 2 the ss. Tritonia reported a further break.

The Halifax and Bermudas Cable Company, Ltd., has issued its report for the year ended June 30. The net result of the year's working was a profit of £4,904, against £3,795 for the previous year. An interim dividend of 2½% has been paid, and it is proposed, after providing £258 for depreciation, to make a further equal payment, which will leave £2,078 to be carried forward. This will increase the amount to the credit of revenue account to £15,171. Offers for the sale of debentures to the trustees were invited in Dec. and June last, and £6,298 was paid for £6,300 of debentures, which amount has been written off capital expenditure.

In a work on wages recently issued by the U.S. Commissioner of Labor the following particulars are given of telegraph operators' pay and hours:

	Wages a day.	Hours a week.
Canada	\$1.32 to \$3.60	56
Great Britain	1.11 to 1.05	56
Australia	.80 to 2.67	—
New York	1.81	70
Kansas	1.75	84
Montana	2.31	58
North Carolina	2.70	—
Mexico	1.92	60
Russia	.26 to 3.00	56 to 84
Michigan	1.51	84
France	.99	—
Belgium	.98	—
Germany	.68 to .98	63
Italy	.90	60
Netherlands	.50 to .99	56
China	.79	—

The Commercial Pacific Cable Co., with a capital stock of \$100,000, has been incorporated at Albany, N.Y., by J.W. and C.H. Mackay, E.C. Platt, A. Beck, G.C. Ward, A.B. Chandler and W.W. Cook. J.W. Mackay says the Co. will lay a cable from California to the Philippine islands by way of the Hawaiian islands. The length of the cable will be about 8,500 miles. The part from California to the Hawaiian islands, Mr. Mackay expects, will be in operation within nine months and the whole cable within two years. The Co. asks no subsidy. The new cable will connect with the present submarine cables running from the Philippines to Japan and from the Philippines to China. At present cablegrams from China to the U.S. have to be sent by way of Europe. The Commercial Pacific Cable Co. will work in close connection with the Pacific Postal Telegraph Co., and the Postal Telegraph and Cable Co. in the U.S., and through them with the C.P.R. telegraphs in Canada. The Atlantic connection to Europe will be the Commercial Cable Co.

The whole of the survey work for the laying of the Pacific cable has been completed, the cable ship Britannia having completed her trip from Melbourne, Australia, to Fanning Island, to which point surveys from the B.C. coast had previously been completed by H.M. survey ship Egeria. R.E. Peake, of London, Eng., whose firm has charge of the work, has just been over the ground at the B.C. coast, and has completed arrangements for the building of wharves, etc., at the Banfield Creek, where the cable will be landed. A staff of 40 men will be kept at the cable station at this point. The Canadian telegraph system will be connected with the cable station by two routes, one by the land route line by way of Cape Beale, via Victoria to the mainland, and the other along the east bank of the Alberni canal to Alberni, and thence to Nanaimo, connecting with the cable crossing the gulf at Departure bay. The work of laying the

cable will be commenced early in Jan., 1902, the steamer Anglia laying from the B.C. coast, and the new 10,000 ton cable steamer Colonia laying from the Australian end, and the contract calls for its completion by the end of the year. The route as mapped out by the survey ships, says Mr. Peake, does not present any special obstacles in the way of laying the cable. Some 700 soundings were taken by the Britannia, and these revealed the existence of a submarine range of mountains, 100 miles from the Australian coast. The greatest depth obtained was 2,800 fathoms, and the most shallow 237 fathoms, the latter being the depth recorded when the ship was right above the tops of the mountains. The highest peak would thus be about the same distance from the bottom of the ocean as Mont Blanc is above the sea level.

Old-Time Telegraphers' Association.

The 21st annual meeting of this Association was held in Montreal recently, the U.S. Military Telegraph Corps meeting at the same time. The President of the O.T.T.A., L.B. McFarlane, General Superintendent of the Bell Telephone Co. of Canada, presided at the meetings of the O.T.T.A., the other officers being:—J.E. Hutcheson, Vice-President, Ottawa; J. Brant, Secretary-Treasurer, New York. Executive Committee: H.C. Hope, St. Paul, Minn.; H.J. Pennengill, Boston, Mass.; J.J. Dickey, Omaha, Neb.; J. Compton, Nashville, Tenn.; T. Ahearn, Ottawa, Ont.; J. Kent, W.J. Camp, W.B. Powell, F.H. Waycott, Montreal.

The question of establishing a home for aged and infirm telegraphers was brought up, a committee appointed last year reporting on various offers made them by the town of Colorado Springs. After a long discussion, it was decided that the project was at present impracticable.

It was decided to amalgamate the Telegraphers' Historical Society of North America.

The following officers were elected:—President, G.H. Corse, of Ogden, Utah; Vice-President, B. Brooks, Denver, Col.; Secretary-Treasurer, J. Brant, New York.

The next annual meeting will be held at Salt Lake City and Ogden, Utah, in Sep., 1902.

The U.S. Military Telegraph Corps elected the following officers:—President, Col. W.B. Wilson, Philadelphia, Pa.; Vice-President, W.M. Ives, New York City; Secretary-Treasurer, J.E. Pettit, Chicago, Ill.

The social features included a drive up Mount Royal, a luncheon, shooting the Lachine rapids, a theatre party, a visit to some electrical plants and a dinner. At the latter, H.P. Dwight, President of the G.N.W. Telegraph Co., made an interesting speech, in the course of which he said:—"The newspapers are beginning to refer to me as the Father of Canadian Telegraphy, and I do not hesitate to say that I am very proud to be so called. I confess that I am, in fact, vain of the title. But if I am in any sense the Father of Canadian Telegraphy, the Grandfather is O.S. Wood, who was Prof. Morse's first pupil, and was the first superintendent of the Montreal Telegraph Co., and is still living in retirement, a useful and honorable life—85 years of age—one of the purest and best men, honored and beloved by all who know him. We might take him for our Patron Saint. I said that I was glad to be called the Father of Canadian Telegraphy. Every man is proud to be the father of a numerous and respectable family; and I can point with pride to the numerous progeny in the business who have grown up under me, occupying respectable and prominent positions, not only on the lines under my charge throughout the Dominion, but on other lines in Canada and in the U.S.