

orders for other countries which the manufacturers of these telephones have to meet, delivery of the initial order will not be made in New Zealand before about December next.

The cost of the year's operations in extending telephone-exchange systems throughout the Dominion for the purpose of connecting new subscribers and making provision for future growth amounted to £670,381. The year's operations in this respect included the opening of new exchanges at Kerikeri and Mossburn; the installation at thirty-eight exchanges of additional switching equipment for 6,636 exclusive lines and 504 party lines; the establishment of seventy new public call offices (coin-in-the-slot telephones); the laying of 1,242 chains of underground ducts and 7,884 chains of underground cable containing 26,768 miles of wire; the erection of 2,837 chains of overhead cable containing 3,731 miles of wire; and the erection of 782 miles of pole-line and 7,837 miles of open aerial wire.

In addition, £49,041 was expended in renewing or replacing plant and equipment which had become worn out, inadequate, or obsolete.

EXTENSIONS TO CABLING AND SWITCHING SYSTEMS.

The table below shows the exchanges at which extensions to the cabling and switching systems were completed during the year, as well as particulars of the extensions made.

| Name of Exchange.              | Additions to Cabling Plant.    |                                |                             |                         | Additions to Switching Equipment. |                       |             |
|--------------------------------|--------------------------------|--------------------------------|-----------------------------|-------------------------|-----------------------------------|-----------------------|-------------|
|                                | Underground<br>Ducts<br>added. | Underground<br>Cable<br>added. | Overhead<br>Cable<br>added. | Cable Wire<br>involved. | Exclusive<br>Line<br>Equipment.   | Party-line Equipment. |             |
|                                |                                |                                |                             |                         |                                   | Two-party.            | Four-party. |
| Auckland Engineering District— | Chains.                        | Chains.                        | Chains.                     | Miles.                  | Units.                            | Units.                | Units.      |
| Auckland .. .. .               | 624                            | 842 $\frac{3}{4}$              | 58                          | 3,503                   | ..                                | ..                    | ..          |
| Avondale .. .. .               | ..                             | 23 $\frac{3}{4}$               | ..                          | 14 $\frac{1}{4}$        | ..                                | ..                    | ..          |
| Cambridge .. .. .              | ..                             | 9                              | ..                          | 3 $\frac{1}{4}$         | ..                                | ..                    | ..          |
| Clevedon .. .. .               | ..                             | 3                              | ..                          | 2                       | ..                                | ..                    | ..          |
| Coromandel .. .. .             | ..                             | ..                             | ..                          | ..                      | 50                                | ..                    | ..          |
| Hamilton .. .. .               | ..                             | 11                             | ..                          | 10                      | ..                                | ..                    | ..          |
| Henderson .. .. .              | ..                             | 56 $\frac{1}{2}$               | 259                         | 278                     | ..                                | ..                    | ..          |
| Huntly .. .. .                 | ..                             | 8 $\frac{1}{2}$                | ..                          | 7 $\frac{1}{4}$         | ..                                | ..                    | ..          |
| Kaeo .. .. .                   | ..                             | 161                            | ..                          | 152 $\frac{1}{2}$       | ..                                | ..                    | ..          |
| Kakahi .. .. .                 | ..                             | 10                             | ..                          | 6 $\frac{1}{4}$         | ..                                | ..                    | ..          |
| Kaikohe .. .. .                | ..                             | ..                             | ..                          | ..                      | 50                                | ..                    | ..          |
| Katikati .. .. .               | ..                             | ..                             | ..                          | ..                      | 50                                | ..                    | ..          |
| Kohukohu .. .. .               | ..                             | 3 $\frac{1}{2}$                | ..                          | 0 $\frac{3}{4}$         | ..                                | ..                    | ..          |
| Kumeu .. .. .                  | ..                             | ..                             | 8 $\frac{1}{4}$             | 5                       | ..                                | ..                    | ..          |
| Mamaku .. .. .                 | ..                             | 17 $\frac{1}{2}$               | ..                          | 24                      | ..                                | ..                    | ..          |
| Mangere .. .. .                | ..                             | 53 $\frac{1}{2}$               | 2 $\frac{3}{4}$             | 272 $\frac{1}{4}$       | ..                                | ..                    | ..          |
| Manurewa .. .. .               | ..                             | 26                             | ..                          | 30                      | ..                                | ..                    | ..          |
| Matamata .. .. .               | ..                             | 433 $\frac{1}{2}$              | ..                          | 414 $\frac{3}{4}$       | ..                                | ..                    | ..          |
| Matiere .. .. .                | ..                             | 16                             | ..                          | 10                      | ..                                | ..                    | ..          |
| Mercer .. .. .                 | ..                             | 2 $\frac{1}{4}$                | ..                          | 2 $\frac{3}{4}$         | 10                                | ..                    | ..          |
| Mokauiti .. .. .               | ..                             | 4                              | ..                          | 2 $\frac{3}{8}$         | ..                                | ..                    | ..          |
| Morrinsville .. .. .           | ..                             | 9 $\frac{1}{4}$                | ..                          | 17 $\frac{1}{4}$        | ..                                | ..                    | ..          |
| Mount Eden .. .. .             | ..                             | ..                             | ..                          | ..                      | 600                               | 100                   | ..          |
| Ngaruawahia .. .. .            | ..                             | 5 $\frac{1}{2}$                | ..                          | 4 $\frac{3}{4}$         | ..                                | ..                    | ..          |
| Onehunga .. .. .               | ..                             | ..                             | ..                          | ..                      | 200                               | ..                    | ..          |
| Otahuhu .. .. .                | ..                             | 2 $\frac{1}{4}$                | ..                          | 5 $\frac{3}{4}$         | ..                                | ..                    | ..          |
| Otorohanga .. .. .             | ..                             | 2 $\frac{3}{8}$                | ..                          | 1 $\frac{1}{2}$         | ..                                | ..                    | ..          |
| Paeroa .. .. .                 | 5                              | 291 $\frac{1}{4}$              | ..                          | 507                     | 100                               | ..                    | ..          |
| Papakura .. .. .               | ..                             | 188 $\frac{3}{4}$              | ..                          | 163 $\frac{3}{4}$       | 100                               | ..                    | ..          |
| Patumahoe .. .. .              | ..                             | 87 $\frac{1}{2}$               | ..                          | 109 $\frac{1}{2}$       | ..                                | ..                    | ..          |
| Piopio .. .. .                 | ..                             | 38                             | ..                          | 23 $\frac{3}{4}$        | ..                                | ..                    | ..          |
| Ponsonby .. .. .               | ..                             | ..                             | ..                          | ..                      | 240                               | 100                   | ..          |
| Pukekohe .. .. .               | ..                             | 195 $\frac{3}{4}$              | ..                          | 296 $\frac{3}{4}$       | ..                                | ..                    | ..          |
| Putaruru .. .. .               | ..                             | 7                              | ..                          | 4 $\frac{1}{4}$         | ..                                | ..                    | ..          |
| Raglan .. .. .                 | ..                             | 2                              | ..                          | 1 $\frac{1}{4}$         | ..                                | ..                    | ..          |
| Remuera .. .. .                | ..                             | ..                             | ..                          | ..                      | 800                               | 100                   | ..          |
| Rotorua .. .. .                | ..                             | ..                             | ..                          | ..                      | 100                               | ..                    | ..          |
| St. Heliers .. .. .            | ..                             | 28                             | 130 $\frac{3}{4}$           | 198 $\frac{1}{2}$       | ..                                | ..                    | ..          |
| Taneatua .. .. .               | ..                             | 20 $\frac{1}{2}$               | ..                          | 15 $\frac{1}{4}$        | ..                                | ..                    | ..          |
| Te Awamutu .. .. .             | ..                             | ..                             | ..                          | ..                      | 50                                | ..                    | ..          |
| Te Aroha .. .. .               | ..                             | 182 $\frac{3}{4}$              | 0 $\frac{1}{2}$             | 228                     | ..                                | ..                    | ..          |
| Te Kauwhata .. .. .            | ..                             | 4                              | 45                          | 30 $\frac{3}{8}$        | ..                                | ..                    | ..          |
| Tirau .. .. .                  | ..                             | 66                             | ..                          | 41 $\frac{1}{2}$        | ..                                | ..                    | ..          |
| Tuakau .. .. .                 | ..                             | 9 $\frac{1}{2}$                | ..                          | 17 $\frac{3}{4}$        | ..                                | ..                    | ..          |
| Waharoa .. .. .                | ..                             | 7 $\frac{1}{2}$                | ..                          | 5                       | ..                                | ..                    | ..          |
| Waimamaku .. .. .              | ..                             | 1 $\frac{1}{2}$                | ..                          | 0 $\frac{3}{4}$         | ..                                | ..                    | ..          |
| Waimana .. .. .                | ..                             | 37                             | ..                          | 24                      | 20                                | ..                    | ..          |
| Waimauku .. .. .               | ..                             | 25 $\frac{3}{4}$               | ..                          | 31 $\frac{3}{4}$        | ..                                | ..                    | ..          |
| Waiuku .. .. .                 | ..                             | 30                             | ..                          | 40 $\frac{1}{2}$        | ..                                | ..                    | ..          |
| Warkworth .. .. .              | ..                             | ..                             | ..                          | ..                      | 50                                | ..                    | ..          |
| Whakapara .. .. .              | ..                             | 0 $\frac{1}{4}$                | ..                          | 0 $\frac{1}{2}$         | ..                                | ..                    | ..          |
| Whangarei .. .. .              | 100                            | 122 $\frac{1}{4}$              | ..                          | 730 $\frac{1}{4}$       | ..                                | ..                    | ..          |