

STATISTICAL BULLETIN :

# MINING AND QUARRYING

No. 10 1961



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# STATISTICAL BULLETIN : MINING AND QUARRYING, AUSTRALIA

NO. 10 - 1961

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FOREWORD

This bulletin shows data, on an industry basis, relating to mining and quarrying operations in Australia. The series was initiated in 1952 to supplement statistics already being published by this Bureau on production, oversea trade and consumption of minerals and metals, on a product basis. The latter statistics are published quarterly in the Australian Mineral Industry Review and annually in the Primary Industries Bulletin, Part II and in the Official Year Book.

Statistics of the Australian mining and quarrying industry were collected on a substantially uniform basis for the first time in 1952 by State Mines Departments or State Statisticians and by the Mines Branch of the Northern Territory Administration. In 1953, this collection was extended to cover the Australian Capital Territory. Prior to 1952, industrial censuses of mining and quarrying establishments covering employment, salaries and wages paid, fixed assets, value of output, and cost of materials used, were taken in some States, but on widely varying bases.

Section I. Scope of Statistics and Definitions of Terms Used, sets out in some detail the bases on which statistics of mining and quarrying have been collected and compiled from 1952 onwards.

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## I. SCOPE OF STATISTICS AND DEFINITIONS OF TERMS USED

1. Definition and Classification of the Mineral Industry. - For the purpose of the statistics included in this bulletin, The Mineral Industry includes all mining and quarrying and the recovery of minerals from ore dumps, tailings, etc. Ore-dressing and elementary smelting of metallic minerals (e.g. in the case of gold) and miscellaneous treatment of non-metallic minerals, when these are carried out in an associated plant at or near the mine (or in a custom battery or mill), are included in the mineral industry. However, establishments primarily engaged in smelting and/or refining (including the smelting and refining sections of the large plants operated at Mt. Morgan and Mt. Isa in Queensland and at Mt. Lyell in Tasmania) are omitted and classified in the Manufacturing Industry.

Also included in the mining and quarrying industry are quarries operated by brickworks, cement works, etc. and those winning direct construction materials such as sand, gravel, building stone and crushed and broken stone for road making, etc. The gathering of salt deposited in evaporation pans from brine solutions is also included in the mining industry. The data include estimates of value of output and value of production for fossicking activities but fossickers and men engaged on small sundry claims are excluded from tables showing numbers of mines and employment. Activities associated with prospecting and the exploration for oil and other minerals are excluded. Mining properties under development are included.

For mines and quarries which produce more than one product, it is not possible to apportion particulars relating to the operations of the mine (employment, salaries and wages paid, and costs incurred in production) to the minerals produced. It is, therefore, the practice to record these data only as a total for each mine which is then classified by industry on the basis of the most important mineral produced. Thus a mine producing, say, both tin and tungsten minerals, would be classified as a tin mine if tin were the more important product by value, and as a tungsten mine if tungsten were the dominant product. This criterion has been used in compiling industry statistics included in this bulletin, with the exception that one major producer of copper, lead and zinc has been classified to the Silver-Lead-Zinc Mining Industry even though in recent years the value of output of copper from the mine has exceeded that of other products.

In practice, much of the data for individual industries has had to be grouped for publication to avoid revealing information supplied by the limited numbers of mines or quarries classified to certain mining industries.

The individual industries are classified into four major groups (Metal Mining, Fuel Mining, Non-metal (excluding Fuel) Mining and Construction Material Quarrying).

2. Scope of Statistics. - Mineral industry data are obtained annually from the Mining and Quarrying Census, which is carried out in association with the several Mines Departments. Detailed statistics compiled from data collected on the Census returns comprise numbers of persons employed in various categories, salaries and wages paid, value of new investment in fixed assets, value of power, fuel and light and materials and stores used, value of output, value of production and quantities of various fuels used. A representative specimen collection form is included in Primary Industries Bulletin Part II, No. 54, 1959-60, pages 47 and 48. In view of the difficulty of obtaining much of this type of information from small mines, the detailed census returns were collected only from mines and quarries employing four or more persons. However, estimates of numbers of mines and quarries, numbers employed, value of output and value of production (based on the collection of simplified census returns and/or Mines Department records) were made for the small mines and quarries omitted from the detailed census. Thus estimates of totals for these major items have been provided for all mines and quarries. Data for other items refer to mines and quarries employing four or more persons.

The coverage of the collection in respect of quarrying of construction materials has been incomplete in some degree in most States. This deficiency has been due primarily to the inherent difficulty of obtaining complete lists of quarries (including those operated by government and local government authorities) many of which operate intermittently and in different locations. There has been difficulty also in obtaining satisfactory returns from quarries operated in conjunction with some other activity, e.g. road making, brickworks, etc. However, attempts are continually being made to improve the coverage of this industry. In particular, a much wider coverage was obtained in Victoria in 1961. Hence the data shown for quarrying in Victoria in 1961 are not strictly comparable with similar information for previous years. The activities of quarries operated in conjunction with large construction projects, such as the Snowy Mountains scheme, are excluded from these statistics. Usually such quarries are closely associated with other works in the project, and employees, plant, machinery, etc., employed in quarries spend considerable time on work other than quarrying. It is difficult to obtain an apportionment of such items to purely quarrying activities.

In some States, there have been deficiencies also in the collection of data for certain Non-metal (excluding Fuel) Mining Industries, mainly because these are outside the fields normally under the administrative control of Mines Departments. Products chiefly affected are clays, loam, salt and silica, and, in general, in these cases statistics have been collected direct from producers.

Particulars of oil-search operations have been excluded from all tables in accordance with the definition of the mining industry set out on page 4. Details of the activities of establishments engaged in the mining and treatment of uranium ore are not available for publication and have been excluded from all tables.

**3. Definitions of Terms Used.** - (i) Persons Employed. All persons including working proprietors engaged in and around the mine on mining and developmental operations, in underground and surface workshops, in crushing and ore-dressing operations, in carting ore to crushing or dressing works at or near the mine (to screens at coal mines), and in removal of overburden, are included. Salaried staff engaged in the management of the mine are included but not head office staffs.

Employment statistics shown in this bulletin have been compiled on three bases, namely:-

(1) Average employment during period worked. This represents the aggregate of the average number of persons employed in each mine or quarry during its period of operation (whether the whole or only part of the year).

(2) Average employment during whole year. These figures show the total man-years of labour input in a particular year. This whole year figure is calculated for each mine from average employment for period worked (i.e. from (1) above) proportionally on the basis of the actual period worked expressed in weeks.

(3) Employment at end of year. These figures show the number of persons working in mines and quarries at a particular point of time. As many mines close for the Christmas/New Year period figures are recorded if the last day of employment reported for the year occurred in December.

(ii) Salaries and Wages Paid. These relate to amounts paid to employees (excluding drawings by working proprietors), including amounts capitalized as well as those charged to working expenses. The amounts are gross (including holiday and sick pay) before any deductions are made for income tax, pensions, etc. The value of explosives sold to employees has, however, been deducted.

(iii) Value of Power, Fuel and Light Used. This includes all fuels and purchased electricity. The amounts shown relate only to items charged to working expenses and exclude amounts capitalized or charged to mine development. Where electricity is generated at the mine, in general no value is shown for electricity but the fuels used in generation are included. In certain cases, however, where the mine power-house is relatively large, it has been classified for statistical purposes as a separate establishment and included in manufacturing. In these cases electricity is shown as "Purchased", and fuels used in generation are excluded.

(iv) Value of Materials and Stores Used. This includes timber and explosives (including the value of explosives sold to employees) and other mining and ore-dressing materials and stores, materials used in repairs effected by own workmen (labour costs being included in wages), tools replaced and repairs done by persons not employed by the mine. The amounts refer to working expenses only and exclude amounts capitalized.

(v) Value of Output. The amounts shown under this heading represent selling value at the mine or quarry (or associated ore crushing or dressing plant), (i.e. selling value at point of sale less transport costs from the mine or quarry to the point of sale) of ores, concentrates or other minerals produced during the year. Operators were instructed to value output on the basis of the value of minerals produced during the year (i.e. as distinct from sales or dispatches), including the estimated value in respect of any portion of the year's production for which final realizations had not been made at the time of completing the return. Subsidy and bounty payments received have been included. The amounts represent the "selling value" of the minerals won after treatment such as crushing and ore-dressing done at or near the mine. Value added by the processes of reduction of ores, concentrates, etc. to a metal are excluded. "Producer-consumers" (e.g. of limestone in the case of a cement manufacturer) were asked to value output on the basis of production costs of mining and treatment done at the mine (e.g. crushing, but, in the case of a cement manufacturer as cited above, not cement manufacture), plus an allowance for business overhead and profit.

(vi) Value of Production. The value of production of any industry has been defined by Australian Statisticians as "the value of consumable commodities produced during the year, deducting, as far as possible, the value of goods consumed in the process of production". Value of production is the only satisfactory measure to use when comparing or combining value of mining and quarrying operations with values of other industries. The value of production for mining and quarrying shown in this bulletin has been calculated by deducting from value of output, the value (at the mine or quarry) of fuel, power and light, and timber, explosives and other materials and stores used (including costs of repairs). Certain information on depreciation of plant, land and buildings and mine development was collected, but, because of its generally unsatisfactory nature, depreciation has not been deducted in arriving at value of production.

Many other costs and expenses, such as royalties, maintenance (other than repairs) of buildings and plant, workers' compensation and other insurance, taxation, etc. have also not been deducted in arriving at value of production. Consequently, when salaries and wages are deducted from value of production, only portion of the balance is available as interest and profits.

## II. SUMMARY OF MINING AND QUARRYING OPERATIONS

A summary of mining and quarrying operations in Australia according to the four major groups of industries during the years 1957 to 1961 is shown in the following table.

TABLE 1. - SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA

| Year                                                                                                   | Metal Mining | Fuel Mining | Non-metal (excl. Fuel) Mining (a) | Total All Mining (a) | Construction Material Quarrying (b) | Total All Mining and Quarrying (a) |
|--------------------------------------------------------------------------------------------------------|--------------|-------------|-----------------------------------|----------------------|-------------------------------------|------------------------------------|
| NUMBER OF MINES AND QUARRIES<br>(All Mines and Quarries)                                               |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 840          | 248         | 641                               | 1,729                | 780                                 | 2,509                              |
| 1958                                                                                                   | 708          | 234         | 645                               | 1,587                | 746                                 | 2,333                              |
| 1959                                                                                                   | 756          | 226         | 687                               | 1,669                | 862                                 | 2,531                              |
| 1960                                                                                                   | 746          | 225         | 698                               | 1,669                | 892                                 | 2,561                              |
| 1961                                                                                                   | 805          | 208         | 755                               | 1,768                | (c) 1,056                           | (c) 2,824                          |
| NUMBER OF MINES AND QUARRIES<br>(Excluding Mines and Quarries employing less than four persons)        |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 194          | 247         | 145                               | 586                  | 273                                 | 859                                |
| 1958                                                                                                   | 177          | 231         | 151                               | 559                  | 330                                 | 889                                |
| 1959                                                                                                   | 171          | 221         | 171                               | 563                  | 327                                 | 890                                |
| 1960                                                                                                   | 157          | 215         | 168                               | 540                  | 349                                 | 889                                |
| 1961                                                                                                   | 159          | 203         | 168                               | 530                  | (c) 399                             | (c) 929                            |
| AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (a)<br>(All Mines and Quarries)                   |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 22,928       | 23,924      | 2,749                             | 49,601               | 4,640                               | 54,241                             |
| 1958                                                                                                   | 20,495       | 22,335      | 2,728                             | 45,558               | 4,581                               | 50,139                             |
| 1959                                                                                                   | 20,256       | 20,197      | 2,975                             | 43,428               | 4,116                               | 47,544                             |
| 1960                                                                                                   | 19,889       | 19,928      | 2,925                             | 42,742               | 5,016                               | 47,758                             |
| 1961                                                                                                   | 19,287       | 18,398      | 2,942                             | 40,627               | (c) 5,498                           | (c) 46,125                         |
| SALARIES AND WAGES PAID (a) (£'000)<br>(Excluding Mines and Quarries employing less than four persons) |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 29,284       | 26,745      | 2,400                             | 58,429               | 3,219                               | 61,648                             |
| 1958                                                                                                   | 25,488       | 26,195      | 2,384                             | 54,067               | 3,241                               | 57,308                             |
| 1959                                                                                                   | 26,218       | 25,147      | 2,631                             | 53,996               | 3,490                               | 57,486                             |
| 1960                                                                                                   | 26,727       | 27,703      | 2,664                             | 57,094               | 3,628                               | 60,722                             |
| 1961                                                                                                   | 26,431       | 27,383      | 2,875                             | 56,689               | (c) 4,018                           | (c) 60,707                         |
| VALUE OF OUTPUT AT MINE OR QUARRY (a) (£'000)<br>(All Mines and Quarries)                              |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 80,754       | 57,507      | 9,017                             | 147,278              | 17,833                              | 165,111                            |
| 1958                                                                                                   | 70,190       | 57,076      | 10,160                            | 137,426              | 18,529                              | 155,955                            |
| 1959                                                                                                   | 77,522       | 55,334      | 10,555                            | 143,411              | 21,574                              | 164,985                            |
| 1960                                                                                                   | 83,823       | 62,046      | 10,866                            | 156,735              | 24,505                              | 181,240                            |
| 1961                                                                                                   | 76,112       | 64,803      | 11,494                            | 152,409              | (c) 28,992                          | (c) 181,401                        |
| TOTAL VALUE OF POWER, FUEL, LIGHT AND MATERIALS AND STORES USED (£'000)<br>(All Mines and Quarries)    |              |             |                                   |                      |                                     |                                    |
| 1957                                                                                                   | 21,848       | 10,868      | 2,146                             | 34,862               | 3,447                               | 38,309                             |
| 1958                                                                                                   | 20,770       | 11,148      | 2,389                             | 34,307               | 3,312                               | 37,619                             |
| 1959                                                                                                   | 21,545       | 10,759      | 2,359                             | 34,663               | 4,167                               | 38,830                             |
| 1960                                                                                                   | 23,504       | 11,942      | 2,340                             | 37,786               | 4,427                               | 42,213                             |
| 1961                                                                                                   | 22,441       | 13,031      | 2,508                             | 37,980               | (c) 5,346                           | (c) 43,326                         |

(a) Incomplete; see Scope of Statistics on pages 4 and 5. (b) Incomplete in some States owing to difficulties of coverage. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria. (d) See definition on page 5. (e) See definition on page 6.

TABLE 1. - SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA (continued)

| Year                                                        | Metal Mining | Fuel Mining | Non-Metal (excl. Fuel) Mining (a) | Total All Mining (a) | Construction Material Quarrying (b) | Total All Mining and Quarrying (a) |
|-------------------------------------------------------------|--------------|-------------|-----------------------------------|----------------------|-------------------------------------|------------------------------------|
| VALUE OF PRODUCTION (c) (£'000)<br>(All Mines and Quarries) |              |             |                                   |                      |                                     |                                    |
| 1957                                                        | 58,906       | 46,639      | 6,871                             | 112,416              | 14,386                              | 126,802                            |
| 1958                                                        | 49,420       | 45,928      | 7,771                             | 103,119              | 15,217                              | 118,336                            |
| 1959                                                        | 55,977       | 44,575      | 8,196                             | 108,748              | 17,407                              | 126,155                            |
| 1960                                                        | 60,319       | 50,104      | 8,526                             | 118,949              | 20,078                              | 139,027                            |
| 1961                                                        | 53,671       | 51,772      | 8,986                             | 114,429              | (d) 23,646                          | (a) 138,075                        |

VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS (£'000)  
(Excluding Mines and Quarries employing less than four persons)

|      |        |        |       |        |           |            |
|------|--------|--------|-------|--------|-----------|------------|
| 1957 | 10,734 | 11,935 | 1,575 | 24,244 | 874       | 25,118     |
| 1958 | 7,159  | 10,221 | 1,283 | 18,663 | 825       | 19,488     |
| 1959 | 10,229 | 11,361 | 1,454 | 23,044 | 1,408     | 24,452     |
| 1960 | 6,823  | 12,861 | 588   | 20,272 | 1,624     | 21,896     |
| 1961 | 7,175  | 14,258 | 1,274 | 22,707 | (d) 2,281 | (d) 24,988 |

(a) Incomplete; see Scope of Statistics, on pages 4 and 5. (b) Incomplete in some States owing to difficulties of coverage. (c) See definition on page 6. (d) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

The following table is a summary of mining and quarrying operations in the States and Territories of Australia during the years 1957 to 1961.

TABLE 2. - SUMMARY OF MINING AND QUARRYING OPERATIONS

| Year                                                     | New South Wales | Vic-toria | Queens-land | South Australia | Western Australia | Tasmania | Northern Terr. (a) | Australia |
|----------------------------------------------------------|-----------------|-----------|-------------|-----------------|-------------------|----------|--------------------|-----------|
| NUMBER OF MINES AND QUARRIES<br>(All Mines and Quarries) |                 |           |             |                 |                   |          |                    |           |
| 1957                                                     | 839             | 224       | 471         | 419             | 361               | 96       | 99                 | 2,509     |
| 1958                                                     | 808             | 228       | 413         | 412             | 313               | 109      | 50                 | 2,333     |
| 1959                                                     | 856             | 219       | 450         | 437             | 380               | 131      | 58                 | 2,531     |
| 1960                                                     | 945             | 217       | 461         | 376             | 360               | 122      | 80                 | 2,561     |
| 1961                                                     | 998             | (b) 340   | 538         | 394             | 340               | 134      | 80                 | 2,824     |

NUMBER OF MINES AND QUARRIES  
(Excluding Mines and Quarries employing less than four persons)

|      |     |         |     |     |     |    |    |     |
|------|-----|---------|-----|-----|-----|----|----|-----|
| 1957 | 256 | 170     | 173 | 86  | 91  | 54 | 29 | 859 |
| 1958 | 295 | 143     | 170 | 122 | 98  | 46 | 15 | 889 |
| 1959 | 286 | 141     | 165 | 107 | 119 | 56 | 16 | 890 |
| 1960 | 304 | 138     | 163 | 105 | 112 | 58 | 9  | 889 |
| 1961 | 294 | (b) 190 | 162 | 109 | 107 | 56 | 11 | 929 |

AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (c)  
(All Mines and Quarries)

|      |        |           |       |       |       |       |     |        |
|------|--------|-----------|-------|-------|-------|-------|-----|--------|
| 1957 | 27,273 | 4,449     | 9,094 | 2,043 | 7,811 | 2,898 | 673 | 54,241 |
| 1958 | 24,984 | 4,302     | 8,276 | 1,987 | 7,451 | 2,594 | 545 | 50,139 |
| 1959 | 21,998 | 3,507     | 8,434 | 2,243 | 8,105 | 2,724 | 533 | 47,544 |
| 1960 | 22,207 | 3,853     | 8,454 | 2,153 | 7,791 | 2,799 | 501 | 47,758 |
| 1961 | 21,496 | (b) 4,281 | 7,933 | 2,027 | 7,117 | 2,826 | 445 | 46,125 |

(a) Includes Australian Capital Territory. (b) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage of quarrying activities. (c) See definition on page 5.

TABLE 2. - SUMMARY OF MINING AND QUARRYING OPERATIONS (continued)

| Year                                                                    | New South Wales | Victoria  | Queensland | South Australia | Western Australia | Tasmania | Northern Terr.(a) | Australia |
|-------------------------------------------------------------------------|-----------------|-----------|------------|-----------------|-------------------|----------|-------------------|-----------|
| SALARIES AND WAGES PAID (c) (£'000)                                     |                 |           |            |                 |                   |          |                   |           |
| (Excluding Mines and Quarries employing less than four persons)         |                 |           |            |                 |                   |          |                   |           |
| 1957                                                                    | 31,919          | 4,637     | 10,421     | 1,924           | 8,429             | 3,432    | 886               | 61,648    |
| 1958                                                                    | 28,903          | 4,521     | 9,632      | 1,909           | 8,510             | 3,147    | 686               | 57,308    |
| 1959                                                                    | 27,084          | 4,558     | 11,044     | 1,917           | 8,845             | 3,276    | 762               | 57,486    |
| 1960                                                                    | 29,489          | 4,695     | 10,900     | 2,003           | 9,400             | 3,587    | 648               | 60,722    |
| 1961                                                                    | 29,625          | (b)5,261  | 10,563     | 2,158           | 8,763             | 3,618    | 719               | 60,707    |
| VALUE OF OUTPUT AT MINE OR QUARRY (d) (£'000)                           |                 |           |            |                 |                   |          |                   |           |
| (All Mines and Quarries)                                                |                 |           |            |                 |                   |          |                   |           |
| 1957                                                                    | 83,170          | 12,728    | 25,576     | 11,872          | 20,979            | 8,421    | 2,365             | 165,111   |
| 1958                                                                    | 71,414          | 13,694    | 27,632     | 12,308          | 20,777            | 7,358    | 2,772             | 155,955   |
| 1959                                                                    | 71,090          | 14,235    | 33,329     | 13,209          | 21,787            | 7,639    | 2,996             | 164,985   |
| 1960                                                                    | 79,641          | 16,267    | 37,608     | 13,952          | 22,166            | 8,067    | 3,539             | 181,240   |
| 1961                                                                    | 78,171          | (b)21,254 | 32,220     | 15,912          | 22,496            | 7,982    | 3,366             | 181,401   |
| TOTAL VALUE OF POWER, FUEL, LIGHT AND MATERIALS AND STORES USED (£'000) |                 |           |            |                 |                   |          |                   |           |
| (All Mines and Quarries)                                                |                 |           |            |                 |                   |          |                   |           |
| 1957                                                                    | 17,079          | 2,784     | 6,766      | 2,552           | 6,090             | 2,524    | 514               | 38,309    |
| 1958                                                                    | 15,613          | 2,707     | 7,836      | 2,309           | 6,323             | 2,190    | 641               | 37,619    |
| 1959                                                                    | 14,759          | 2,834     | 8,848      | 2,511           | 7,022             | 2,241    | 615               | 38,830    |
| 1960                                                                    | 16,427          | 3,109     | 10,148     | 2,548           | 6,722             | 2,591    | 668               | 42,213    |
| 1961                                                                    | 17,487          | (b)3,968  | 8,786      | 2,809           | 6,943             | 2,756    | 577               | 43,326    |
| VALUE OF PRODUCTION (d) (£'000)                                         |                 |           |            |                 |                   |          |                   |           |
| (All Mines and Quarries)                                                |                 |           |            |                 |                   |          |                   |           |
| 1957                                                                    | 66,091          | 9,944     | 18,810     | 9,320           | 14,889            | 5,897    | 1,851             | 126,802   |
| 1958                                                                    | 55,801          | 10,987    | 19,796     | 9,999           | 14,454            | 5,168    | 2,131             | 118,336   |
| 1959                                                                    | 56,331          | 12,101    | 24,481     | 10,698          | 14,765            | 5,398    | 2,381             | 126,155   |
| 1960                                                                    | 63,214          | 13,158    | 27,460     | 11,404          | 15,444            | 5,476    | 2,871             | 139,027   |
| 1961                                                                    | 60,684          | (b)17,286 | 23,434     | 13,103          | 15,553            | 5,226    | 2,789             | 138,075   |
| VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS (£'000)             |                 |           |            |                 |                   |          |                   |           |
| (Excluding Mines and Quarries employing less than four persons)         |                 |           |            |                 |                   |          |                   |           |
| 1957                                                                    | 10,875          | 3,065     | 5,619      | 1,665           | 2,454             | 781      | 659               | 25,118    |
| 1958                                                                    | 8,772           | 2,958     | 3,568      | 1,030           | 2,295             | 600      | 265               | 19,488    |
| 1959                                                                    | 8,091           | 4,539     | 7,095      | 1,039           | 2,695             | 521      | 472               | 24,452    |
| 1960                                                                    | 10,665          | 2,857     | 4,160      | 1,294           | 2,119             | 557      | 244               | 21,896    |
| 1961                                                                    | 10,928          | (b)4,688  | 3,965      | 1,952           | 2,202             | 1,045    | 208               | 24,988    |

(a) Includes Australian Capital Territory. (b) Not strictly comparable with previous years. See reference in Scope of Statistics relating to extension of coverage of quarrying activities. (c) See definition on page 5. (d) See definition on page 6.

### III. DETAILED STATISTICS OF MINING AND QUARRYING OPERATIONS CLASSIFIED BY INDUSTRY

TABLE 3. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES, 1961

(All Mines and Quarries)

| Industry                                           |    | N.S.W. | VIC. | Q'LD. | S.A.   | W.A. | TAS.  | N.T. | A.C.T. | AUSTRALIA |
|----------------------------------------------------|----|--------|------|-------|--------|------|-------|------|--------|-----------|
| <u>Metal Mining</u>                                |    |        |      |       |        |      |       |      |        |           |
| Gold Mining                                        | .. | 52     | 18   | 45    | 2      | 153  | 1     | 24   | ..     | 295       |
| Silver-Lead-Zinc Mining                            | .. | 14     | ..   | 5     | 1      | 4    | 2     | 1    | ..     | 27        |
| Copper-Gold Mining                                 | .. | 19     | 1    | 52    | 1      | 33   | 1     | 4    | ..     | 111       |
| Tin Mining                                         | .. | 59     | ..   | 159   | ..     | 8    | 28    | 12   | ..     | 266       |
| Mineral Sands Mining                               | .. | 13     | ..   | 4     | ..     | 4    | ..    | ..   | ..     | 21        |
| Other Metal Mining                                 | .. | 29     | 3    | 11    | 7      | 25   | 3     | 7    | ..     | 85        |
| <u>Total Metal Mining</u>                          | .. | 186    | 22   | 276   | 11     | 227  | 35    | 48   | ..     | 805       |
| <u>Fuel Mining</u>                                 |    |        |      |       |        |      |       |      |        |           |
| Black Coal Mining -                                |    |        |      |       |        |      |       |      |        |           |
| Underground                                        | .. | 103    | 3    | 71    | ..     | 3    | (a) 9 | ..   | ..     | (a) 189   |
| Openout                                            | .. | 4      | ..   | 7     | 1      | 1    | ..    | ..   | ..     | 13        |
| <u>Total Black Coal Mining</u>                     | .. | 107    | 3    | 78    | 1      | 4    | 9     | ..   | ..     | 202       |
| Brown Coal Mining                                  | .. | ..     | 6    | ..    | ..     | ..   | ..    | ..   | ..     | 6         |
| <u>Total Fuel Mining</u>                           | .. | 107    | 9    | 78    | 1      | 4    | 9     | ..   | ..     | 208       |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |        |      |       |        |      |       |      |        |           |
| Clays (b)                                          | .. | 189    | 24   | 64    | 50     | 30   | 12    | ..   | ..     | 369       |
| Gypsum                                             | .. | 8      | 6    | ..    | 10     | 8    | ..    | ..   | ..     | 32        |
| Limestone                                          | .. | 29     | 12   | 22    | 15     | 19   | 9     | 1    | ..     | 107       |
| Salt (b)                                           | .. | ..     | 11   | 2     | 22     | 5    | ..    | 2    | ..     | 42        |
| Other Non-metal (excluding Fuel) Mining            | .. | 133    | 4    | 22    | (c) 31 | 12   | 2     | 1    | ..     | (c) 205   |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> | .. | 359    | 57   | 110   | 128    | 74   | 23    | 4    | ..     | 755       |
| <u>Total All Mining (b)</u>                        | .. | 652    | 88   | 464   | 140    | 305  | 67    | 52   | ..     | 1,768     |
| <u>Construction Material Quarrying (b)</u>         |    |        |      |       |        |      |       |      |        |           |
|                                                    | .. | 346    | 252  | 74    | 254    | 35   | 67    | 24   | 4      | 1,056     |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | 998    | 340  | 538   | 394    | 340  | 134   | 76   | 4      | 2,824     |

(a) Includes one mine operating both underground and openout workings. (b) Incomplete; see Scope of Statistics on pages 4 and 5.  
(c) Excludes the diggings of 700 opal prospectors.

**TABLE 4. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES : AUSTRALIA**  
(All Mines and Quarries)

| Industry                                              | 1957  | 1958  | 1959  | 1960  | 1961     |
|-------------------------------------------------------|-------|-------|-------|-------|----------|
| <u>Metal Mining</u>                                   |       |       |       |       |          |
| Gold Mining ..                                        | 294   | 285   | 306   | 296   | 295      |
| Silver-Lead-Zinc Mining ..                            | 82    | 50    | 35    | 28    | 27       |
| Copper-Gold Mining ..                                 | 100   | 81    | 81    | 90    | 111      |
| Tin Mining ..                                         | 178   | 180   | 216   | 216   | 266      |
| Mineral Sands Mining ..                               | 32    | 28    | 22    | 22    | 21       |
| Other Metal Mining ..                                 | 154   | 84    | 96    | 94    | 85       |
| <u>Total Metal Mining</u> ..                          | 840   | 708   | 756   | 746   | 805      |
| <u>Fuel Mining</u>                                    |       |       |       |       |          |
| Black Coal Mining--                                   |       |       |       |       |          |
| Underground (a) ..                                    | 226   | 212   | 204   | 203   | 189      |
| Openout ..                                            | 15    | 15    | 14    | 15    | 13       |
| <u>Total Black Coal Mining</u> ..                     | 241   | 227   | 218   | 218   | 202      |
| Brown Coal Mining ..                                  | 7     | 7     | 8     | 7     | 6        |
| <u>Total Fuel Mining</u> ..                           | 248   | 234   | 226   | 225   | 208      |
| <u>Non-Metal (excluding Fuel) Mining</u>              |       |       |       |       |          |
| Clays (b) ..                                          | 322   | 310   | 354   | 365   | 369      |
| Gypsum ..                                             | 28    | 34    | 33    | 30    | 32       |
| Limestone ..                                          | 92    | 90    | 97    | 99    | 107      |
| Salt (b) ..                                           | 29    | 44    | 46    | 44    | 42       |
| Other Non-metal (excluding Fuel) Mining ..            | 170   | 167   | 157   | 160   | 205      |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> .. | 641   | 645   | 687   | 698   | 755      |
| <u>Total All Mining (b)</u> ..                        | 1,729 | 1,587 | 1,669 | 1,669 | 1,768    |
| <u>Construction Material Quarrying (b)</u> ..         | 780   | 746   | 862   | 892   | (c)1,056 |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u> ..          | 2,509 | 2,333 | 2,531 | 2,561 | 2,824    |

(a) Includes one mine operating both underground and openout workings. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 5. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

| Industry                                           |    |    | 1957 | 1958 | 1959 | 1960 | 1961    |
|----------------------------------------------------|----|----|------|------|------|------|---------|
| <u>Metal Mining</u>                                |    |    |      |      |      |      |         |
| Gold Mining                                        | .. | .. | 57   | 58   | 62   | 52   | 52      |
| Silver-Lead-Zinc Mining                            | .. | .. | 25   | 19   | 18   | 19   | 19      |
| Copper-Gold Mining                                 | .. | .. | 22   | 19   | 14   | 14   | 16      |
| Tin Mining                                         | .. | .. | 36   | 33   | 30   | 33   | 35      |
| Mineral Sands Mining                               | .. | .. | 31   | 26   | 22   | 22   | 21      |
| Other Metal Mining                                 | .. | .. | 23   | 22   | 25   | 17   | 16      |
| <u>Total Metal Mining</u>                          | .. | .. | 194  | 177  | 171  | 157  | 159     |
| <u>Fuel Mining</u>                                 |    |    |      |      |      |      |         |
| Black Coal Mining -                                |    |    |      |      |      |      |         |
| Underground (a)                                    | .. | .. | 225  | 209  | 200  | 199  | 185     |
| Openout                                            | .. | .. | 15   | 15   | 14   | 11   | 13      |
| <u>Total Black Coal Mining</u>                     | .. | .. | 240  | 224  | 214  | 210  | 198     |
| Brown Coal Mining                                  | .. | .. | 7    | 7    | 7    | 5    | 5       |
| <u>Total Fuel Mining</u>                           | .. | .. | 247  | 231  | 221  | 215  | 203     |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |    |      |      |      |      |         |
| Clays (b)                                          | .. | .. | 59   | 59   | 75   | 73   | 66      |
| Gypsum                                             | .. | .. | 9    | 12   | 12   | 10   | 11      |
| Limestone                                          | .. | .. | 38   | 41   | 42   | 42   | 44      |
| Salt (b)                                           | .. | .. | 9    | 10   | 12   | 18   | 16      |
| Other Non-metal (excluding Fuel) Mining            | .. | .. | 30   | 29   | 30   | 25   | 31      |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> | .. | .. | 145  | 151  | 171  | 168  | 168     |
| <u>Total All Mining (b)</u>                        | .. | .. | 586  | 559  | 563  | 540  | 530     |
| <u>Construction Material Quarrying (b)</u>         | .. | .. | 273  | 330  | 327  | 349  | (c) 399 |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | .. | 859  | 889  | 890  | 889  | 929     |

(a) Includes one mine operating both underground and openout workings. (b) Incomplete; see Scope of Statistics on pages 4 and 5.

(c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

**TABLE 6. - MINING AND QUARRYING : CLASSIFICATION OF MINES AND QUARRIES ACCORDING TO AVERAGE NUMBER OF PERSONS EMPLOYED (a), 1961**

| Industry Group and State or Territory        | Mines and Quarries employing on the average during the period worked - |              |                      |              |                        |               |                       |               |              |               |
|----------------------------------------------|------------------------------------------------------------------------|--------------|----------------------|--------------|------------------------|---------------|-----------------------|---------------|--------------|---------------|
|                                              | Less than 4 persons                                                    |              | From 4 to 20 persons |              | From 21 to 200 persons |               | More than 200 persons |               | Total        |               |
|                                              | Mines, etc.                                                            | Persons      | Mines, etc.          | Persons      | Mines, etc.            | Persons       | Mines, etc.           | Persons       | Mines, etc.  | Persons       |
| <b><u>Metal Mining</u></b>                   |                                                                        |              |                      |              |                        |               |                       |               |              |               |
| New South Wales                              | 143                                                                    | 238          | 26                   | 185          | 12                     | 698           | 5                     | 5,146         | 186          | 6,267         |
| Victoria                                     | 14                                                                     | 28           | 5                    | 35           | 3                      | 171           | ..                    | ..            | 22           | 234           |
| Queensland                                   | 256                                                                    | 482          | 10                   | 63           | 8                      | (b)           | 2                     | (b)           | 276          | 4,699         |
| South Australia                              | 9                                                                      | 16           | ..                   | ..           | 1                      | (b)           | 1                     | (b)           | 11           | (b)           |
| Western Australia                            | 161                                                                    | 496          | 45                   | 369          | 14                     | 1,099         | 7                     | (b)           | 227          | (b)           |
| Tasmania                                     | 22                                                                     | 35           | 4                    | 27           | 6                      | 452           | 3                     | 1,744         | 35           | 2,258         |
| Northern Territory                           | 41                                                                     | 62           | 4                    | 22           | 2                      | 133           | 1                     | 221           | 48           | 438           |
| <b><u>Total Metal Mining</u></b>             | <b>646</b>                                                             | <b>1,357</b> | <b>94</b>            | <b>701</b>   | <b>46</b>              | <b>3,226</b>  | <b>19</b>             | <b>14,850</b> | <b>805</b>   | <b>20,134</b> |
| <b><u>Fuel Mining</u></b>                    |                                                                        |              |                      |              |                        |               |                       |               |              |               |
| New South Wales                              | 2                                                                      | 5            | 26                   | 303          | 58                     | 5,168         | 21                    | 7,036         | 107          | 12,512        |
| Victoria                                     | 2                                                                      | 6            | 3                    | 39           | 2                      | 96            | 2                     | 1,691         | 9            | 1,832         |
| Queensland                                   | ..                                                                     | ..           | 17                   | 283          | 59                     | (b)           | 2                     | (b)           | 78           | 3,278         |
| South Australia                              | ..                                                                     | ..           | ..                   | ..           | ..                     | ..            | 1                     | (b)           | 1            | (b)           |
| Western Australia                            | ..                                                                     | ..           | ..                   | ..           | 3                      | (b)           | 1                     | (b)           | 4            | (b)           |
| Tasmania                                     | 1                                                                      | 2            | 5                    | 40           | 3                      | 215           | ..                    | ..            | 9            | 257           |
| <b><u>Total Fuel Mining</u></b>              | <b>5</b>                                                               | <b>13</b>    | <b>51</b>            | <b>665</b>   | <b>125</b>             | <b>8,394</b>  | <b>27</b>             | <b>9,739</b>  | <b>208</b>   | <b>18,811</b> |
| <b><u>Total Mining and Quarrying (c)</u></b> |                                                                        |              |                      |              |                        |               |                       |               |              |               |
| New South Wales                              | 704                                                                    | 1,092        | 175                  | 1,421        | 93                     | 7,103         | 26                    | 12,182        | 998          | 21,798        |
| Victoria                                     | 150                                                                    | 255          | 152                  | 1,241        | 35                     | 1,293         | 3                     | 1,907         | 340          | 4,696         |
| Queensland                                   | 376                                                                    | 678          | 84                   | 859          | 74                     | 3,356         | 4                     | 4,041         | 538          | 8,934         |
| South Australia                              | 285                                                                    | 502          | 95                   | 721          | 12                     | 578           | 2                     | 566           | 394          | 2,367         |
| Western Australia                            | 233                                                                    | 617          | 78                   | 622          | 20                     | 1,619         | 9                     | 4,539         | 340          | 7,397         |
| Tasmania                                     | 78                                                                     | 154          | 41                   | 305          | 12                     | 742           | 3                     | 1,744         | 134          | 2,945         |
| Northern Territory                           | 67                                                                     | (d)113       | 6                    | (d)50        | 2                      | (d)158        | 1                     | 221           | 76           | (d)542        |
| Australian Capital Territory                 | 2                                                                      | (e)          | 1                    | (e)          | 1                      | (e)           | ..                    | ..            | 4            | (e)           |
| <b><u>Total All Mining and Quarrying</u></b> | <b>1,895</b>                                                           | <b>3,411</b> | <b>632</b>           | <b>5,219</b> | <b>249</b>             | <b>14,849</b> | <b>48</b>             | <b>25,200</b> | <b>2,824</b> | <b>48,679</b> |

(a) See definition on page 5. (b) Not available for publication. (c) Includes, in addition to the above, particulars for Non-Metal Mining and Construction Material Quarrying. (d) Includes Australian Capital Territory. (e) Not available for publication; included with Northern Territory.

TABLE 7. - MINING AND QUARRYING : CLASSIFICATION OF MINES AND QUARRIES ACCORDING TO AVERAGE NUMBER OF PERSONS EMPLOYED (a) : AUSTRALIA, 1961

| Industry                                           |    |    | Mines and Quarries employing on the average during the period worked - |         |                      |         |                        |         |                       |         |             |         |
|----------------------------------------------------|----|----|------------------------------------------------------------------------|---------|----------------------|---------|------------------------|---------|-----------------------|---------|-------------|---------|
|                                                    |    |    | Less than 4 persons                                                    |         | From 4 to 20 persons |         | From 21 to 200 persons |         | More than 200 persons |         | Total       |         |
|                                                    |    |    | Mines, etc.                                                            | Persons | Mines, etc.          | Persons | Mines, etc.            | Persons | Mines, etc.           | Persons | Mines, etc. | Persons |
| <u>Metal Mining</u>                                |    |    |                                                                        |         |                      |         |                        |         |                       |         |             |         |
| Gold Mining                                        | .. | .. | 243                                                                    | 645     | 32                   | 233     | 13                     | 838     | 7                     | 3,876   | 295         | 5,592   |
| Silver-Lead-Zinc Mining                            | .. | .. | 8                                                                      | 20      | 11                   | 64      | 1                      | 42      | 7                     | 8,465   | 27          | 8,591   |
| Copper-Gold Mining                                 | .. | .. | 95                                                                     | 145     | 10                   | 58      | 3                      | 231     | 3                     | 1,932   | 111         | 2,366   |
| Tin Mining                                         | .. | .. | 231                                                                    | 419     | 27                   | 184     | 7                      | 356     | 1                     | 285     | 266         | 1,244   |
| Mineral Sands Mining                               | .. | .. | ..                                                                     | ..      | 5                    | 82      | 16                     | 1,088   | ..                    | ..      | 21          | 1,170   |
| Other Metal Mining                                 | .. | .. | 69                                                                     | 128     | 9                    | 80      | 6                      | 671     | 1                     | 292     | 85          | 1,171   |
| <u>Total Metal Mining</u>                          | .. | .. | 646                                                                    | 1,357   | 94                   | 701     | 46                     | 3,226   | 19                    | 14,850  | 805         | 20,134  |
| <u>Fuel Mining</u>                                 |    |    |                                                                        |         |                      |         |                        |         |                       |         |             |         |
| Black Coal Mining                                  | .. | .. | 4                                                                      | 10      | 49                   | 637     | 123                    | 8,298   | 26                    | 8,402   | 202         | 17,347  |
| Brown Coal Mining                                  | .. | .. | 1                                                                      | 3       | 2                    | 28      | 2                      | 96      | 1                     | 1,337   | 6           | 1,464   |
| <u>Total Fuel Mining</u>                           | .. | .. | 5                                                                      | 13      | 51                   | 665     | 125                    | 8,394   | 27                    | 9,739   | 208         | 18,811  |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |    |                                                                        |         |                      |         |                        |         |                       |         |             |         |
| Clays (b)                                          | .. | .. | 303                                                                    | 491     | 65                   | 439     | 1                      | 29      | ..                    | ..      | 369         | 959     |
| Gypsum                                             | .. | .. | 21                                                                     | 42      | 10                   | 65      | 1                      | 79      | ..                    | ..      | 32          | 186     |
| Limestone                                          | .. | .. | 63                                                                     | 109     | 33                   | 253     | 11                     | 623     | ..                    | ..      | 107         | 985     |
| Salt (b)                                           | .. | .. | 26                                                                     | 51      | 13                   | 91      | 2                      | (c)     | 1                     | (c)     | 42          | 442     |
| Other Non-metal (excluding Fuel) Mining            |    |    | 174                                                                    | 266     | 25                   | 177     | 5                      | (c)     | 1                     | (c)     | 205         | 1,002   |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> |    |    | 587                                                                    | 959     | 146                  | 1,025   | 20                     | 979     | 2                     | 611     | 755         | 3,574   |
| <u>Total All Mining (b)</u>                        | .. | .. | 1,238                                                                  | 2,329   | 291                  | 2,391   | 191                    | 12,599  | 48                    | 25,200  | 1,768       | 42,519  |
| <u>Construction Material Quarrying (b)</u>         | .. | .. | 657                                                                    | 1,082   | 341                  | 2,828   | 58                     | 2,250   | ..                    | ..      | 1,056       | 6,160   |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | .. | 1,895                                                                  | 3,411   | 632                  | 5,219   | 249                    | 14,849  | 48                    | 25,200  | 2,824       | 48,679  |

(a) See definition on page 5. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not available for publication.

TABLE 8. -- MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING PERIOD WORKED (a)

(All Mines and Quarries)

| Industry                                           |    |    | 1960       | 1961   |       |       |       |       |         |         |        |           |
|----------------------------------------------------|----|----|------------|--------|-------|-------|-------|-------|---------|---------|--------|-----------|
|                                                    |    |    | AUSTRALIA  | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.    | N.T.    | A.C.T. | AUSTRALIA |
| <u>Metal Mining</u>                                |    |    |            |        |       |       |       |       |         |         |        |           |
| Gold Mining                                        | .. | .. | 5,641      | 87     | 220   | (b)   | (b)   | 4,938 | (b)     | 174     | ..     | 5,592     |
| Silver-Lead-Zinc Mining                            | .. | .. | 8,760      | 5,186  | ..    | (b)   | (b)   | 24    | (b)     | 3       | ..     | 8,591     |
| Copper-Gold Mining                                 | .. | .. | 2,392      | 92     | 4     | (b)   | (b)   | 229   | (b)     | 229     | ..     | 2,366     |
| Tin Mining                                         | .. | .. | 1,075      | 161    | ..    | (b)   | ..    | 52    | (b)     | 23      | ..     | 1,244     |
| Mineral Sands Mining                               | .. | .. | 1,140      | 688    | ..    | (b)   | ..    | (b)   | ..      | ..      | ..     | 1,170     |
| Other Metal Mining                                 | .. | .. | 1,283      | 53     | 10    | (b)   | (b)   | 421   | (b)     | 9       | ..     | 1,171     |
| <u>Total Metal Mining</u>                          | .. | .. | 20,291     | 6,267  | 234   | 4,699 | (b)   | (b)   | 2,258   | 438     | ..     | 20,134    |
| <u>Fuel Mining</u>                                 |    |    |            |        |       |       |       |       |         |         |        |           |
| Black Coal Mining -                                |    |    |            |        |       |       |       |       |         |         |        |           |
| Underground                                        | .. | .. | (c) 18,079 | 12,360 | 368   | 3,058 | ..    | (b)   | (c) 257 | ..      | ..     | (b)       |
| Openout                                            | .. | .. | 608        | 152    | ..    | 220   | (b)   | (b)   | ..      | ..      | ..     | (b)       |
| <u>Total Black Coal Mining</u>                     | .. | .. | 18,687     | 12,512 | 368   | 3,278 | (b)   | (b)   | 257     | ..      | ..     | 17,347    |
| Brown Coal Mining                                  | .. | .. | 1,399      | ..     | 1,464 | ..    | ..    | ..    | ..      | ..      | ..     | 1,464     |
| <u>Total Fuel Mining</u>                           | .. | .. | 20,086     | 12,512 | 1,832 | 3,278 | (b)   | (b)   | 257     | ..      | ..     | 18,811    |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |    |            |        |       |       |       |       |         |         |        |           |
| Clays (d)                                          | .. | .. | 960        | 454    | 92    | 121   | 157   | 97    | 38      | ..      | ..     | 959       |
| Gypsum                                             | .. | .. | 177        | 31     | 19    | ..    | (b)   | (b)   | ..      | ..      | ..     | 186       |
| Limestone                                          | .. | .. | 959        | 374    | 133   | (b)   | 143   | (b)   | (b)     | 1       | ..     | 985       |
| Salt (d)                                           | .. | .. | 479        | ..     | (b)   | (b)   | (b)   | (b)   | ..      | 4       | ..     | 442       |
| Other Non-metal (excluding Fuel) Mining            | .. | .. | 828        | 405    | (b)   | (b)   | 119   | (b)   | (b)     | 1       | ..     | 1,002     |
| <u>Total Non-metal (excluding Fuel) Mining</u> (d) | .. | .. | 3,403      | 1,264  | 501   | 399   | 694   | 591   | 119     | 6       | ..     | 3,574     |
| <u>Total All Mining</u> (d)                        | .. | .. | 43,780     | 20,043 | 2,567 | 8,376 | 1,366 | 7,089 | 2,634   | 444     | ..     | 42,519    |
| <u>Construction Material Quarrying</u> (d)         |    |    | ..         |        |       |       |       |       |         |         |        |           |
|                                                    | .. | .. | 5,446      | 1,755  | 2,129 | 558   | 1,001 | 308   | 311     | (e) 98  | (f)    | 6,160     |
| <u>TOTAL ALL MINING AND QUARRYING</u> (d)          | .. | .. | 49,226     | 21,798 | 4,696 | 8,934 | 2,367 | 7,397 | 2,945   | (e) 542 | (f)    | 48,679    |

(a) See definition on page 5. (b) Not available for publication. (c) Includes persons engaged by one mine which has both underground and openout workings. (d) Incomplete; see Scope of Statistics on pages 4 and 5. (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 9. - MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (a), 1961  
(All Mines and Quarries)

| Industry                                                   | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.      | N.T.    | A.C.T. | AUSTRALIA |
|------------------------------------------------------------|--------|-------|-------|-------|-------|-----------|---------|--------|-----------|
| <u>Metal Mining</u>                                        |        |       |       |       |       |           |         |        |           |
| Gold Mining .. .. .                                        | 20     | 205   | (b)   | (b)   | 4,909 | (b)       | 140     | ..     | 5,438     |
| Silver-Lead-Zinc Mining .. .. .                            | 5,164  | ..    | (b)   | (b)   | 21    | (b)       | 1       | ..     | 8,158     |
| Copper-Gold Mining .. .. .                                 | 72     | 2     | (b)   | (b)   | 219   | (b)       | 226     | ..     | 2,322     |
| Tin Mining .. .. .                                         | 104    | ..    | (b)   | ..    | 49    | (b)       | 5       | ..     | 1,131     |
| Mineral Sands Mining .. .. .                               | 669    | ..    | (b)   | ..    | (b)   | ..        | ..      | ..     | 1,141     |
| Other Metal Mining .. .. .                                 | 33     | 10    | (b)   | (b)   | 396   | (b)       | 5       | ..     | 1,097     |
| <u>Total Metal Mining</u> .. .. .                          | 6,062  | 217   | 4,233 | (b)   | (b)   | 2,247     | 377     | ..     | 19,287    |
| <u>Fuel Mining</u>                                         |        |       |       |       |       |           |         |        |           |
| Black Coal Mining -                                        |        |       |       |       |       |           |         |        |           |
| Underground .. .. .                                        | 12,360 | 340   | 2,806 | ..    | (b)   | {(c) 257} | ..      | ..     | (b)       |
| Openout .. .. .                                            | 152    | ..    | 184   | (b)   | (b)   |           | ..      | ..     | (b)       |
| <u>Total Black Coal Mining</u>                             | 12,512 | 340   | 2,990 | (b)   | (b)   | 257       | ..      | ..     | 16,957    |
| Brown Coal Mining .. .. .                                  | ..     | 1,441 | ..    | ..    | ..    | ..        | ..      | ..     | 1,441     |
| <u>Total Fuel Mining</u> .. .. .                           | 12,512 | 1,781 | 2,990 | (b)   | (b)   | 257       | ..      | ..     | 18,398    |
| <u>Non-metal (excluding Fuel) Mining</u>                   |        |       |       |       |       |           |         |        |           |
| Clays (d) .. .. .                                          | 446    | 84    | 52    | 123   | 66    | 21        | ..      | ..     | 794       |
| Gypsum .. .. .                                             | 30     | 17    | ..    | (b)   | (b)   | ..        | ..      | ..     | 172       |
| Limestone .. .. .                                          | 357    | 124   | (b)   | 139   | (b)   | (b)       | ..      | ..     | 916       |
| Salt (d) .. .. .                                           | ..     | (b)   | (b)   | (b)   | ..    | ..        | 3       | ..     | 180       |
| Other Non-metal (excluding Fuel) Mining .. .. .            | 334    | (b)   | (b)   | 95    | (b)   | (b)       | 1       | ..     | 880       |
| <u>Total Non-metal (excluding Fuel) Mining (d)</u> .. .. . | 1,167  | 261   | 285   | 590   | 535   | 100       | 4       | ..     | 2,942     |
| <u>Total All Mining (d)</u> .. .. .                        | 19,741 | 2,259 | 7,508 | 1,250 | 6,884 | 2,604     | 381     | ..     | 40,627    |
| <u>Construction Material Quarrying (d)</u> .. .. .         | 1,755  | 2,022 | 425   | 777   | 233   | 222       | (e) 64  | (f)    | 5,498     |
| <u>TOTAL ALL MINING AND QUARRYING (d)</u> .. .. .          | 21,496 | 4,281 | 7,933 | 2,027 | 7,117 | 2,826     | (e) 445 | (f)    | 46,125    |

(a) See definition on page 5. (b) Not available for publication. (c) Includes persons engaged by one mine which has both underground and openout workings. (d) Incomplete; see Scope of Statistics on pages 4 and 5. (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 10. -- MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (a) : AUSTRALIA

(All Mines and Quarries)

| Industry                                           |    |    | 1957   | 1958   | 1959   | 1960   | 1961   |
|----------------------------------------------------|----|----|--------|--------|--------|--------|--------|
| <u>Metal Mining</u>                                |    |    |        |        |        |        |        |
| Gold Mining                                        | .. | .. | 6,205  | 5,901  | 5,948  | 5,544  | 5,438  |
| Silver-Lead-Zinc Mining                            | .. | .. | 10,354 | 9,461  | 9,031  | 8,731  | 8,158  |
| Copper-Gold Mining                                 | .. | .. | 2,151  | 2,057  | 2,301  | 2,364  | 2,322  |
| Tin Mining                                         | .. | .. | 856    | 944    | 926    | 946    | 1,131  |
| Mineral Sands Mining                               | .. | .. | 2,062  | 1,102  | 1,019  | 1,127  | 1,141  |
| Other Metal Mining                                 | .. | .. | 1,300  | 1,030  | 1,031  | 1,177  | 1,097  |
| <u>Total Metal Mining</u>                          | .. | .. | 22,928 | 20,495 | 20,256 | 19,889 | 19,287 |
| <u>Fuel Mining</u>                                 |    |    |        |        |        |        |        |
| Black Coal Mining                                  | .. | .. | 22,345 | 20,795 | 18,678 | 18,529 | 16,957 |
| Brown Coal Mining                                  | .. | .. | 1,579  | 1,540  | 1,519  | 1,399  | 1,441  |
| <u>Total Fuel Mining</u>                           | .. | .. | 23,924 | 22,335 | 20,197 | 19,928 | 18,398 |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |    |        |        |        |        |        |
| Clays (b)                                          | .. | .. | 753    | 734    | 923    | 858    | 794    |
| Gypsum                                             | .. | .. | 181    | 171    | 171    | 170    | 172    |
| Limestone                                          | .. | .. | 891    | 939    | 876    | 911    | 916    |
| Salt (b)                                           | .. | .. | 160    | 159    | 220    | 219    | 180    |
| Other Non-metal (excluding Fuel) Mining            | .. | .. | 764    | 725    | 783    | 767    | 880    |
| <u>Total Non-Metal (excluding Fuel) Mining (b)</u> | .. | .. | 2,749  | 2,728  | 2,975  | 2,925  | 2,942  |
| <u>Total All Mining (b)</u>                        | .. | .. | 49,601 | 45,558 | 43,428 | 42,742 | 40,627 |
| <u>Construction Material Quarrying (b)</u>         |    |    | 4,640  | 4,581  | 4,116  | 5,016  | 5,498  |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | .. | 54,241 | 50,139 | 47,544 | 47,758 | 46,125 |

(a) See definition on page 5. (b) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 11. - MINING AND QUARRYING : WORKING PROPRIETORS, SALARIED STAFF AND WAGE EARNERS ON LAST FULL WORKING DAY :  
AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

| Industry                                           | 1960                         |                             | 1961            |                 |                 |                 |                        |         |           |
|----------------------------------------------------|------------------------------|-----------------------------|-----------------|-----------------|-----------------|-----------------|------------------------|---------|-----------|
|                                                    | Total<br>Persons<br>Employed | Working<br>Proprie-<br>tors | Salaried Staff  |                 | Wage Earners    |                 | Total Persons Employed |         |           |
|                                                    |                              |                             | Above<br>Ground | Below<br>Ground | Above<br>Ground | Below<br>Ground | Males                  | Females | Total     |
| <u>Metal Mining</u>                                |                              |                             |                 |                 |                 |                 |                        |         |           |
| Gold Mining .. ..                                  | 5,095                        | 21                          | 414             | 212             | 1,838           | 2,542           | 4,962                  | 65      | 5,027     |
| Silver-Lead-Zinc Mining .. ..                      | 8,736                        | 15                          | 1,227           | 529             | 2,984           | 3,723           | 8,295                  | 183     | 8,478     |
| Copper-Gold Mining .. ..                           | 2,250                        | 12                          | 255             | 13              | 1,586           | 300             | 2,112                  | 54      | 2,166     |
| Tin Mining .. ..                                   | 760                          | 26                          | 71              | 10              | 466             | 241             | 806                    | 8       | 814       |
| Mineral Sands Mining .. ..                         | 1,124                        | 2                           | 142             | ..              | 1,098           | ..              | 1,208                  | 34      | 1,242     |
| Other Metal Mining .. ..                           | 1,141                        | 2                           | 130             | 7               | 847             | 108             | 1,060                  | 34      | 1,094     |
| <u>Total Metal Mining</u> .. ..                    | 19,106                       | 78                          | 2,239           | 771             | 8,819           | 6,914           | 18,443                 | 378     | 18,821    |
| <u>Fuel Mining</u>                                 |                              |                             |                 |                 |                 |                 |                        |         |           |
| Black Coal Mining .. ..                            | 18,287                       | 70                          | 755             | 216             | 4,993           | 10,716          | 16,651                 | 99      | 16,750    |
| Brown Coal Mining .. ..                            | 1,413                        | ..                          | 187             | 1               | 1,308           | 7               | 1,492                  | 11      | 1,503     |
| <u>Total Fuel Mining</u> .. ..                     | 19,700                       | 70                          | 942             | 217             | 6,301           | 10,723          | 18,143                 | 110     | 18,253    |
| <u>Non-metal (excluding Fuel) Mining</u>           |                              |                             |                 |                 |                 |                 |                        |         |           |
| Clays (a) .. ..                                    | 446                          | 24                          | 18              | ..              | 394             | 22              | 456                    | 2       | 458       |
| Gypsum .. ..                                       | 139                          | 3                           | 10              | ..              | 126             | 1               | 139                    | 1       | 140       |
| Limestone .. ..                                    | 881                          | 15                          | 64              | ..              | 783             | ..              | 860                    | 2       | 862       |
| Salt (a) .. ..                                     | 154                          | 1                           | 15              | ..              | 129             | ..              | 144                    | 1       | 145       |
| Other Non-metal (excluding Fuel) Mining ..         | 588                          | 8                           | 35              | 14              | 514             | 231             | 795                    | 7       | 802       |
| <u>Total Non-metal (excluding Fuel) Mining (a)</u> | 2,208                        | 51                          | 142             | 14              | 1,946           | 254             | 2,394                  | 13      | 2,407     |
| <u>Total All Mining (a)</u> .. ..                  | 41,014                       | 199                         | 3,323           | 1,002           | 17,066          | 17,891          | 38,980                 | 501     | 39,481    |
| <u>Construction Material Quarrying (a)</u> ..      | 4,338                        | 170                         | 249             | ..              | 3,182           | ..              | 3,539                  | 62      | (b)4,951  |
| <u>TOTAL ALL MINING AND QUARRYING (a)</u> ..       | 45,352                       | 369                         | 3,572           | 1,002           | 20,248          | 17,891          | 42,519                 | 563     | (b)44,432 |

(a) Incomplete; see Scope of Statistics on pages 4 and 5. (b) Includes 1,350 persons in New South Wales for whom a distribution into the employment categories shown is not available.

TABLE 12. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a), 1961

(Excluding Mines and Quarries employing less than four persons)  
(£'000)

| Industry                                           | N.S.W. | VIC.  | Q'LD.  | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA |
|----------------------------------------------------|--------|-------|--------|-------|-------|-------|---------|--------|-----------|
| <u>Metal Mining</u>                                |        |       |        |       |       |       |         |        |           |
| Gold Mining .. ..                                  | 3      | (b)   | (b)    | ..    | 6,020 | ..    | 217     | ..     | 6,591     |
| Silver-Lead-Zinc Mining .. ..                      | 8,275  | ..    | (b)    | ..    | 22    | (b)   | ..      | ..     | 13,261    |
| Copper-Gold Mining .. ..                           | 77     | 3     | (b)    | ..    | 259   | (b)   | 428     | ..     | 2,915     |
| Tin Mining .. ..                                   | 46     | ..    | (b)    | ..    | 67    | (b)   | 3       | ..     | 927       |
| Mineral Sands Mining .. ..                         | 861    | ..    | (b)    | ..    | (b)   | ..    | ..      | ..     | 1,474     |
| Other Metal Mining .. ..                           | 13     | (b)   | (b)    | (b)   | 451   | (b)   | ..      | ..     | 1,263     |
| <u>Total Metal Mining</u> .. ..                    | 9,275  | 272   | 5,794  | (b)   | ..(b) | 2,965 | 648     | ..     | 26,431    |
| <u>Fuel Mining</u>                                 |        |       |        |       |       |       |         |        |           |
| Black Coal Mining .. ..                            | 19,381 | 416   | 4,102  | (b)   | (b)   | 346   | ..      | ..     | 25,460    |
| Brown Coal Mining .. ..                            | ..     | 1,923 | ..     | ..    | ..    | ..    | ..      | ..     | 1,923     |
| <u>Total Fuel Mining</u> .. ..                     | 19,381 | 2,339 | 4,102  | (b)   | (b)   | 346   | ..      | ..     | 27,383    |
| <u>Non-metal (excluding Fuel) Mining</u>           |        |       |        |       |       |       |         |        |           |
| Clays (c) .. ..                                    | 257    | 85    | ..     | 76    | (b)   | (b)   | ..      | ..     | 481       |
| Gypsum .. ..                                       | 28     | 6     | ..     | (b)   | (b)   | ..    | ..      | ..     | 165       |
| Limestone .. ..                                    | 445    | 198   | (b)    | 167   | (b)   | (b)   | ..      | ..     | 1,166     |
| Salt (c) .. ..                                     | ..     | (d)   | (b)    | (b)   | (b)   | ..    | ..      | ..     | 153       |
| Other Non-metal (excluding Fuel) Mining ..         | 239    | ..    | (b)    | 73    | (b)   | ..    | ..      | ..     | 910       |
| <u>Total Non-metal (excluding Fuel) Mining (c)</u> | 969    | 289   | 283    | 578   | 662   | 94    | ..      | ..     | 2,875     |
| <u>Total All Mining (c)</u> .. ..                  | 29,625 | 2,900 | 10,179 | 1,421 | 8,511 | 3,405 | 648     | ..     | 56,689    |
| <u>Construction Material Quarrying (c)</u> ..      | (d)    | 2,361 | 384    | 737   | 252   | 213   | (e) 71  | (f)    | 4,018     |
| <u>TOTAL ALL MINING AND QUARRYING (c)</u> ..       | 29,625 | 5,261 | 10,563 | 2,158 | 8,763 | 3,618 | (e) 719 | (f)    | 60,707    |

(a) See definition on page 5. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available. (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 13. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a) : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                           |    | 1957   | 1958   | 1959   | 1960   | 1961   |
|----------------------------------------------------|----|--------|--------|--------|--------|--------|
| <u>Metal Mining</u>                                |    |        |        |        |        |        |
| Gold Mining                                        | .. | 6,422  | 6,492  | 6,504  | 6,655  | 6,591  |
| Silver-Lead-Zinc Mining                            | .. | 16,241 | 13,462 | 13,944 | 13,555 | 13,261 |
| Copper-Gold Mining                                 | .. | 2,289  | 2,362  | 2,710  | 2,938  | 2,915  |
| Tin Mining                                         | .. | 753    | 737    | 814    | 905    | 927    |
| Mineral Sands Mining                               | .. | 2,177  | 1,327  | 1,188  | 1,336  | 1,474  |
| Other Metal Mining                                 | .. | 1,402  | 1,108  | 1,058  | 1,338  | 1,263  |
| <u>Total Metal Mining</u>                          | .. | 29,284 | 25,488 | 26,218 | 26,727 | 26,431 |
| <u>Fuel Mining</u>                                 |    |        |        |        |        |        |
| Black Coal Mining                                  | .. | 25,105 | 24,501 | 23,437 | 25,918 | 25,460 |
| Brown Coal Mining                                  | .. | 1,640  | 1,624  | 1,710  | 1,785  | 1,923  |
| <u>Total Fuel Mining</u>                           | .. | 26,745 | 26,195 | 25,147 | 27,703 | 27,383 |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |        |        |        |        |        |
| Clays (b)                                          | .. | 355    | 361    | 490    | 515    | 481    |
| Gypsum                                             | .. | 140    | 147    | 157    | 151    | 165    |
| Limestone                                          | .. | 981    | 991    | 953    | 1,048  | 1,166  |
| Salt (b)                                           | .. | 154    | 180    | 194    | 184    | 153    |
| Other Non-metal (excluding Fuel) Mining            | .. | 770    | 705    | 837    | 766    | 910    |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> | .. | 2,400  | 2,384  | 2,631  | 2,664  | 2,875  |
| <u>Total All Mining (b)</u>                        | .. | 58,429 | 54,067 | 53,996 | 57,094 | 56,689 |
| <u>Construction Material Quarrying (b)</u>         | .. | 3,219  | 3,241  | 3,490  | 3,628  | 4,018  |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | 61,648 | 57,308 | 57,486 | 60,722 | 60,707 |

(a) See definition on page 5. (b) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 14. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a)  
(Excluding Mines and Quarries employing less than four persons)  
(£'000)

| Industry and Item                            | 1960      |        |       | 1961   |       |       |       |         |        |           |  |
|----------------------------------------------|-----------|--------|-------|--------|-------|-------|-------|---------|--------|-----------|--|
|                                              | AUSTRALIA | N.S.W. | VIC.  | Q'LD.  | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA |  |
| <u>Metal Mining</u>                          |           |        |       |        |       |       |       |         |        |           |  |
| Salaries .. ..                               | 5,276     | 2,196  | 35    | 1,526  | (b)   | (b)   | 474   | 124     | ..     | 5,415     |  |
| Wages .. ..                                  | 21,451    | 7,079  | 237   | 4,268  | (b)   | (b)   | 2,491 | 524     | ..     | 21,016    |  |
| <u>Total Salaries and Wages</u> ..           | 26,727    | 9,275  | 272   | 5,794  | (b)   | (b)   | 2,965 | 648     | ..     | 26,431    |  |
| <u>Fuel Mining</u>                           |           |        |       |        |       |       |       |         |        |           |  |
| Salaries .. ..                               | 2,034     | 1,375  | 303   | 324    | (b)   | (b)   | 23    | ..      | ..     | 2,137     |  |
| Wages .. ..                                  | 25,669    | 18,006 | 2,036 | 3,778  | (b)   | (b)   | 323   | ..      | ..     | 25,246    |  |
| <u>Total Salaries and Wages</u> ..           | 27,703    | 19,381 | 2,339 | 4,102  | (b)   | (b)   | 346   | ..      | ..     | 27,383    |  |
| <u>Non-metal (excluding Fuel) Mining (c)</u> |           |        |       |        |       |       |       |         |        |           |  |
| Salaries .. ..                               | 232       | 52     | 43    | 9      | 75    | 68    | 5     | ..      | ..     | 252       |  |
| Wages .. ..                                  | 2,432     | 917    | 246   | 274    | 503   | 594   | 89    | ..      | ..     | 2,623     |  |
| <u>Total Salaries and Wages</u> ..           | 2,664     | 969    | 289   | 283    | 578   | 662   | 94    | ..      | ..     | 2,875     |  |
| <u>Construction Material Quarrying (c)</u>   |           |        |       |        |       |       |       |         |        |           |  |
| Salaries .. ..                               | 315       | (d)    | 203   | 16     | 52    | 37    | 14    | (e) 13  | (f)    | 335       |  |
| Wages .. ..                                  | 3,313     | (d)    | 2,158 | 368    | 685   | 215   | 199   | (e) 58  | (f)    | 3,683     |  |
| <u>Total Salaries and Wages</u> ..           | 3,628     | (d)    | 2,361 | 384    | 737   | 252   | 213   | (e) 71  | (f)    | 4,018     |  |
| <u>Total All Mining and Quarrying (c)</u>    |           |        |       |        |       |       |       |         |        |           |  |
| Salaries -                                   |           |        |       |        |       |       |       |         |        |           |  |
| Males .. ..                                  | 7,624     | 3,489  | 562   | 1,854  | 236   | 1,118 | 497   | (e) 131 | (f)    | 7,887     |  |
| Females .. ..                                | 233       | 134    | 22    | 21     | 12    | 38    | 19    | 6       | ..     | 252       |  |
| <u>Total Salaries</u> .. ..                  | 7,857     | 3,623  | 584   | 1,875  | 248   | 1,156 | 516   | (e) 137 | (f)    | 8,139     |  |
| Wages -                                      |           |        |       |        |       |       |       |         |        |           |  |
| Males .. ..                                  | 52,736    | 25,975 | 4,667 | 8,609  | 1,904 | 7,588 | 3,102 | (e) 580 | (f)    | 52,425    |  |
| Females .. ..                                | 129       | 27     | 10    | 79     | 6     | 19    | (g)   | 2       | ..     | 143       |  |
| <u>Total Wages</u> .. ..                     | 52,865    | 26,002 | 4,677 | 8,688  | 1,910 | 7,607 | 3,102 | (e) 582 | (f)    | 52,568    |  |
| <u>Total Salaries and Wages</u> ..           | 60,722    | 29,625 | 5,261 | 10,563 | 2,158 | 8,763 | 3,618 | (e) 719 | (f)    | 60,707    |  |

(a) See definition on page 5. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5.  
 (d) Not available. (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.  
 (g) Less than £500.

TABLE 15. - MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED  
(Excluding Mines and Quarries employing less than four persons)  
(£'000)

| Industry                                              | 1960      |        | 1961  |       |      |       |      |         |        | AUSTRALIA |
|-------------------------------------------------------|-----------|--------|-------|-------|------|-------|------|---------|--------|-----------|
|                                                       | AUSTRALIA | N.S.W. | VIC.  | Q'LD. | S.A. | W.A.  | TAS. | N.T.    | A.C.T. |           |
| <u>Metal Mining</u>                                   |           |        |       |       |      |       |      |         |        |           |
| Gold Mining ..                                        | 1,813     | (a)    | (b)   | (b)   | ..   | 1,696 | ..   | 29      | ..     | 1,802     |
| Silver-Lead-Zinc Mining ..                            | 2,711     | 1,334  | ..    | (b)   | ..   | 10    | (b)  | ..      | ..     | 2,232     |
| Copper-Gold Mining ..                                 | 447       | 16     | 1     | (b)   | ..   | 87    | (b)  | 86      | ..     | 537       |
| Tin Mining ..                                         | 144       | 10     | ..    | (b)   | ..   | 28    | (b)  | 1       | ..     | 191       |
| Mineral Sands Mining ..                               | 475       | 315    | ..    | (b)   | ..   | (b)   | ..   | ..      | ..     | 531       |
| Other Metal Mining ..                                 | 257       | 2      | (b)   | (b)   | (b)  | 147   | (b)  | ..      | ..     | 303       |
| <u>Total Metal Mining</u> ..                          | 5,847     | 1,677  | 63    | 1,267 | (b)  | (b)   | 304  | 116     | ..     | 5,596     |
| <u>Fuel Mining</u>                                    |           |        |       |       |      |       |      |         |        |           |
| Black Coal Mining ..                                  | 2,529     | 2,140  | 76    | 273   | (b)  | (b)   | 23   | ..      | ..     | 2,617     |
| Brown Coal Mining ..                                  | 254       | ..     | 268   | ..    | ..   | ..    | ..   | ..      | ..     | 268       |
| <u>Total Fuel Mining</u> ..                           | 2,783     | 2,140  | 344   | 273   | (b)  | (b)   | 23   | ..      | ..     | 2,885     |
| <u>Non-metal (excluding Fuel) Mining</u>              |           |        |       |       |      |       |      |         |        |           |
| Clays (c) ..                                          | 77        | 32     | 23    | ..    | (b)  | (b)   | (b)  | ..      | ..     | 75        |
| Gypsum ..                                             | 36        | 11     | 2     | ..    | (b)  | (b)   | ..   | ..      | ..     | 33        |
| Limestone ..                                          | 208       | 71     | 43    | (b)   | 27   | (b)   | (b)  | ..      | ..     | 214       |
| Salt (c) ..                                           | 38        | ..     | (d)   | (b)   | (b)  | (b)   | ..   | ..      | ..     | 35        |
| Other Non-metal (excluding Fuel) Mining ..            | 186       | 32     | ..    | (b)   | 11   | (b)   | ..   | ..      | ..     | 219       |
| <u>Total Non-metal (excluding Fuel) Mining (c)</u> .. | 545       | 146    | 68    | 68    | 92   | 192   | 10   | ..      | ..     | 576       |
| <u>Total All Mining (c)</u> ..                        | 9,175     | 3,963  | 475   | 1,608 | 203  | 2,355 | 337  | 116     | ..     | 9,057     |
| <u>Construction Material Quarrying (c)</u> ..         | 760       | (d)    | 542   | 47    | 141  | 58    | 37   | (e) 21  | (f)    | 846       |
| <u>TOTAL ALL MINING AND QUARRYING (c)</u> ..          | 9,935     | 3,963  | 1,017 | 1,655 | 344  | 2,413 | 374  | (e) 137 | (f)    | 9,903     |

(a) Less than £500. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available.  
(e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 16. - MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED BY TYPE OF FUEL, ETC. : AUSTRALIA, 1961

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                           | Coal | Coke | Wood | Fuel Oil,<br>Petrol, etc. | Electricity<br>Purchased | Other<br>(a) | Total     |
|----------------------------------------------------|------|------|------|---------------------------|--------------------------|--------------|-----------|
| <u>Metal Mining</u>                                |      |      |      |                           |                          |              |           |
| Gold Mining .. ..                                  | (b)  | 5    | 66   | 135                       | 1,596                    | ..           | 1,802     |
| Silver-Lead-Zinc Mining .. ..                      | 1    | 13   | 4    | 44                        | 1,980                    | 190          | 2,232     |
| Copper-Gold Mining .. ..                           | 17   | 2    | ..   | 140                       | 378                      | ..           | 537       |
| Tin Mining .. ..                                   | (b)  | (b)  | 4    | 46                        | 140                      | 1            | 191       |
| Mineral Sands Mining .. ..                         | 9    | ..   | 13   | 183                       | 326                      | (b)          | 531       |
| Other Metal Mining .. ..                           | ..   | 1    | 1    | 116                       | 170                      | 15           | 303       |
| <u>Total Metal Mining</u> .. ..                    | 27   | 21   | 88   | 664                       | 4,590                    | 206          | 5,596     |
| <u>Fuel Mining</u>                                 |      |      |      |                           |                          |              |           |
| Black Coal Mining .. ..                            | 157  | (b)  | (b)  | 228                       | 2,232                    | (b)          | 2,617     |
| Brown Coal Mining .. ..                            | ..   | ..   | ..   | 31                        | 237                      | ..           | 268       |
| <u>Total Fuel Mining</u> .. ..                     | 157  | (b)  | (b)  | 259                       | 2,469                    | (b)          | 2,885     |
| <u>Non-metal (excluding Fuel) Mining</u>           |      |      |      |                           |                          |              |           |
| Clays (c) .. ..                                    | ..   | ..   | (b)  | 11                        | 8                        | 11           | (a) 75    |
| Gypsum .. ..                                       | ..   | ..   | ..   | 32                        | 1                        | ..           | 33        |
| Limestone .. ..                                    | 24   | ..   | 19   | 91                        | 80                       | ..           | 214       |
| Salt (c) .. ..                                     | ..   | ..   | ..   | 10                        | 25                       | ..           | 35        |
| Other Non-metal (excluding Fuel) Mining            | ..   | (b)  | 2    | 66                        | 151                      | (b)          | 219       |
| <u>Total Non-metal (excluding Fuel) Mining (c)</u> | 24   | (b)  | 21   | 210                       | 265                      | 11           | (a) 576   |
| <u>Total All Mining (c)</u> .. ..                  | 208  | 21   | 109  | 1,133                     | 7,324                    | 217          | (a) 9,057 |
| <u>Construction Material Quarrying (c)</u> ..      | (b)  | (b)  | 1    | 472                       | 339                      | 34           | 846       |
| <u>TOTAL ALL MINING AND QUARRYING (c)</u> ..       | 208  | 21   | 110  | 1,605                     | 7,663                    | 251          | (a) 9,903 |

(a) Compressed air purchased, etc. (b) Less than £500. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Includes amounts for New South Wales and Western Australia which are not available for distribution by items.

TABLE 17. - MINING AND QUARRYING : VALUE OF MATERIALS AND STORES USED (OTHER THAN POWER, FUEL AND LIGHT) (a)

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                                   | 1961      |        |       |       |       |       |       |         |        |           |
|------------------------------------------------------------|-----------|--------|-------|-------|-------|-------|-------|---------|--------|-----------|
|                                                            | AUSTRALIA | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA |
| <u>Metal Mining</u>                                        |           |        |       |       |       |       |       |         |        |           |
| Gold Mining .. .. .                                        | 3,095     | (b)    | (c)   | (c)   | ..    | 2,953 | ..    | 80      | ..     | 3,174     |
| Silver-Lead-Zinc Mining .. .. .                            | 9,395     | 4,035  | ..    | (c)   | ..    | 5     | (c)   | ..      | ..     | 8,071     |
| Copper-Gold Mining .. .. .                                 | 2,831     | 85     | (b)   | (c)   | ..    | 126   | (c)   | 257     | ..     | 2,951     |
| Tin Mining .. .. .                                         | 374       | 8      | ..    | (c)   | ..    | 52    | (c)   | 2       | ..     | 403       |
| Mineral Sands Mining .. .. .                               | 1,086     | 590    | ..    | (c)   | ..    | (c)   | ..    | ..      | ..     | 1,266     |
| Other Metal Mining .. .. .                                 | 842       | 4      | (c)   | (c)   | (c)   | 274   | (c)   | ..      | ..     | 946       |
| <u>Total Metal Mining</u> .. .. .                          | 17,623    | 4,722  | 102   | 5,537 | (c)   | (c)   | 2,098 | 339     | ..     | 16,811    |
| <u>Fuel Mining</u>                                         |           |        |       |       |       |       |       |         |        |           |
| Black Coal Mining .. .. .                                  | 8,788     | 8,188  | 42    | 1,031 | (c)   | (c)   | 96    | ..      | ..     | 9,791     |
| Brown Coal Mining .. .. .                                  | 369       | ..     | 354   | ..    | ..    | ..    | ..    | ..      | ..     | 354       |
| <u>Total Fuel Mining</u> .. .. .                           | 9,157     | 8,188  | 396   | 1,031 | (c)   | (c)   | 96    | ..      | ..     | 10,145    |
| <u>Non-metal (excluding Fuel) Mining</u>                   |           |        |       |       |       |       |       |         |        |           |
| Clays (d) .. .. .                                          | 266       | 181    | 30    | ..    | (c)   | (c)   | (c)   | ..      | ..     | 247       |
| Gypsum .. .. .                                             | 85        | 19     | 5     | ..    | (c)   | (c)   | ..    | ..      | ..     | 91        |
| Limestone .. .. .                                          | 838       | 282    | 179   | (c)   | 105   | (c)   | (c)   | ..      | ..     | 843       |
| Salt (d) .. .. .                                           | 91        | ..     | (e)   | (c)   | (c)   | (c)   | ..    | ..      | ..     | 89        |
| Other Non-metal (excluding Fuel) Mining .. .. .            | 418       | 96     | ..    | (c)   | 30    | (c)   | ..    | ..      | ..     | 537       |
| <u>Total Non-metal (excluding Fuel) Mining (d)</u> .. .. . | 1,698     | 578    | 214   | 207   | 289   | 441   | 78    | ..      | ..     | 1,807     |
| <u>Total All Mining (d)</u> .. .. .                        | 28,478    | 13,488 | 712   | 6,775 | 974   | 4,203 | 2,272 | 339     | ..     | 28,763    |
| <u>Construction Material Quarrying (d)</u> .. .. .         | 3,489     | (e)    | 1,736 | 327   | 1,243 | 267   | 86    | (f) 99  | (g)    | 3,758     |
| <u>TOTAL ALL MINING AND QUARRYING (d)</u> .. .. .          | 31,967    | 13,488 | 2,448 | 7,102 | 2,217 | 4,470 | 2,358 | (f) 438 | (g)    | 32,521    |

(a) Includes value of explosives sold to employees. (b) Less than £500. (c) Not available for publication. (d) Incomplete; see Scope of Statistics on pages 4 and 5. (e) Not available. (f) Includes Australian Capital Territory. (g) Not available for publication; included with Northern Territory.

TABLE 18. - MINING AND QUARRYING : VALUE OF MATERIALS AND STORES USED (OTHER THAN POWER, FUEL AND LIGHT) BY  
 TYPE OF MATERIALS, ETC. : AUSTRALIA, 1961  
 (Excluding Mines and Quarries employing less than four persons)  
 (£'000)

| Industry                                                   | Timber | Explosives           |       | Other<br>Materials<br>and Stores(a) | Total     |
|------------------------------------------------------------|--------|----------------------|-------|-------------------------------------|-----------|
|                                                            |        | Sold to<br>Employees | Other |                                     |           |
| <u>Metal Mining</u>                                        |        |                      |       |                                     |           |
| Gold Mining .. .. .                                        | 141    | 13                   | 588   | 2,432                               | 3,174     |
| Silver-Lead-Zinc Mining .. .. .                            | 1,133  | 283                  | 276   | 6,379                               | 8,071     |
| Copper-Gold Mining .. .. .                                 | 11     | 24                   | 293   | 2,623                               | 2,951     |
| Tin Mining .. .. .                                         | 38     | 16                   | 21    | 328                                 | 403       |
| Mineral Sands Mining .. .. .                               | 1      | ..                   | 1     | 1,264                               | 1,266     |
| Other Metal Mining .. .. .                                 | 3      | 15                   | 119   | 809                                 | 946       |
| <u>Total Metal Mining</u> .. .. .                          | 1,327  | 351                  | 1,298 | 13,835                              | 16,811    |
| <u>Fuel Mining</u>                                         |        |                      |       |                                     |           |
| Black Coal Mining .. .. .                                  | 1,446  | 122                  | 1,062 | 7,161                               | 9,791     |
| Brown Coal Mining .. .. .                                  | ..     | ..                   | ..    | 354                                 | 354       |
| <u>Total Fuel Mining</u> .. .. .                           | 1,446  | 122                  | 1,062 | 7,515                               | 10,145    |
| <u>Non-metal (excluding Fuel) Mining</u>                   |        |                      |       |                                     |           |
| Clays (b) .. .. .                                          | 4      | ..                   | 3     | 39                                  | (c)247    |
| Gypsum .. .. .                                             | (d)    | ..                   | 25    | 66                                  | 91        |
| Limestone .. .. .                                          | 2      | ..                   | 184   | 657                                 | 843       |
| Salt (b) .. .. .                                           | (d)    | ..                   | (d)   | 89                                  | 89        |
| Other Non-metal (excluding Fuel) Mining .. .. .            | 3      | 53                   | 59    | 422                                 | 537       |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> .. .. . | 9      | 53                   | 271   | 1,273                               | (c)1,807  |
| <u>Total All Mining (b)</u> .. .. .                        | 2,782  | 526                  | 2,631 | 22,623                              | (c)28,763 |
| <u>Construction Material Quarrying (b)</u> .. .. .         | 3      | (d)                  | 687   | 3,068                               | 3,758     |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u> .. .. .          | 2,785  | 526                  | 3,318 | 25,691                              | (c)32,521 |

(a) Includes mining and ore dressing materials and stores, repairs, water, lubricating oil, etc. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Includes amounts for New South Wales and Western Australia which are not available for distribution by items.  
 (d) Less than £500.

TABLE 19. - MINING AND QUARRYING : VALUE OF POWER, FUEL, LIGHT, MATERIALS AND STORES, ETC. USED, 1961

(All Mines and Quarries)

(£'000)

| Industry                                              | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA  |
|-------------------------------------------------------|--------|-------|-------|-------|-------|-------|---------|--------|------------|
| <u>Metal Mining</u>                                   |        |       |       |       |       |       |         |        |            |
| Gold Mining ..                                        | 1      | 166   | (a)   | (a)   | 4,649 | (a)   | 109     | ..     | 4,979      |
| Silver-Lead-Zinc Mining ..                            | 5,369  | ..    | (a)   | (a)   | 15    | (a)   | (b)     | ..     | (c) 10,303 |
| Copper-Gold Mining ..                                 | 108    | 1     | (a)   | (a)   | 221   | (a)   | 343     | ..     | 3,503      |
| Tin Mining ..                                         | 22     | ..    | (a)   | ..    | 80    | (a)   | 3       | ..     | 601        |
| Mineral Sands Mining ..                               | 905    | ..    | (a)   | ..    | (a)   | ..    | ..      | ..     | 1,797      |
| Other Metal Mining ..                                 | 13     | 1     | (a)   | (a)   | 421   | (a)   | (b)     | ..     | (c) 1,258  |
| <u>Total Metal Mining</u> ..                          | 6,418  | 168   | 6,804 | (a)   | (a)   | 2,405 | 455     | ..     | 22,441     |
| <u>Fuel Mining</u>                                    |        |       |       |       |       |       |         |        |            |
| Black Coal Mining ..                                  | 10,328 | 118   | 1,304 | (a)   | (a)   | 120   | ..      | ..     | 12,409     |
| Brown Coal Mining ..                                  | ..     | 622   | ..    | ..    | ..    | ..    | ..      | ..     | 622        |
| <u>Total Fuel Mining</u> ..                           | 10,328 | 740   | 1,304 | (a)   | (a)   | 120   | ..      | ..     | 13,031     |
| <u>Non-metal (excluding Fuel) Mining</u>              |        |       |       |       |       |       |         |        |            |
| Clays (d) ..                                          | 213    | 57    | (b)   | 32    | 47    | 7     | ..      | ..     | (c) 356    |
| Gypsum ..                                             | 36     | 19    | ..    | (a)   | (a)   | ..    | ..      | ..     | 152        |
| Limestone ..                                          | 356    | 227   | (a)   | 134   | (a)   | (a)   | (b)     | ..     | (c) 1,078  |
| Salt (d) ..                                           | ..     | (b)   | (a)   | (a)   | (a)   | ..    | (b)     | ..     | (c) 150    |
| Other Non-metal (excluding Fuel) Mining ..            | 136    | (e)   | (a)   | 47    | (a)   | (a)   | (b)     | ..     | (c) 772    |
| <u>Total Non-metal (excluding Fuel) Mining (d)</u> .. | 741    | 303   | 275   | 433   | 662   | 94    | (b)     | ..     | (c) 2,508  |
| <u>Total All Mining (d)</u> ..                        | 17,487 | 1,211 | 8,383 | 1,230 | 6,595 | 2,619 | 455     | ..     | 37,980     |
| <u>Construction Material Quarrying (d)</u> ..         | (e)    | 2,757 | 403   | 1,579 | 348   | 137   | (f) 122 | (g)    | 5,346      |
| <u>TOTAL ALL MINING AND QUARRYING (d)</u> ..          | 17,487 | 3,968 | 8,786 | 2,809 | 6,943 | 2,756 | (f) 577 | (g)    | 43,326     |

(a) Not available for publication. (b) Not available. (c) Incomplete; refer to footnote (b). (d) Incomplete; see Scope of Statistics on pages 4 and 5. (e) Less than £500. (f) Includes Australian Capital Territory. (g) Not available for publication; included with Northern Territory.

TABLE 20. - MINING AND QUARRYING : VALUE OF POWER, FUEL, LIGHT, MATERIALS AND STORES, ETC. USED : AUSTRALIA

(All Mines and Quarries)

(£'000)

| Industry                                           |    | 1957   | 1958   | 1959   | 1960   | 1961     |
|----------------------------------------------------|----|--------|--------|--------|--------|----------|
| <u>Metal Mining</u>                                |    |        |        |        |        |          |
| Gold Mining                                        | .. | 5,076  | 4,970  | 5,069  | 4,909  | 4,979    |
| Silver-Lead-Zinc Mining                            | .. | 10,419 | 10,025 | 10,367 | 12,106 | 10,303   |
| Copper-Gold Mining                                 | .. | 2,549  | 2,969  | 3,325  | 3,288  | 3,503    |
| Tin Mining                                         | .. | 428    | 521    | 512    | 530    | 601      |
| Mineral Sands Mining                               | .. | 1,977  | 1,281  | 1,348  | 1,562  | 1,797    |
| Other Metal Mining                                 | .. | 1,399  | 1,004  | 924    | 1,109  | 1,258    |
| <u>Total Metal Mining</u>                          | .. | 21,848 | 20,770 | 21,545 | 23,504 | 22,441   |
| <u>Fuel Mining</u>                                 |    |        |        |        |        |          |
| Black Coal Mining                                  | .. | 10,233 | 10,536 | 10,166 | 11,319 | 12,409   |
| Brown Coal Mining                                  | .. | 635    | 612    | 593    | 623    | 622      |
| <u>Total Fuel Mining</u>                           | .. | 10,868 | 11,148 | 10,759 | 11,942 | 13,031   |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |        |        |        |        |          |
| Clays (a)                                          | .. | 224    | 247    | 398    | 374    | 356      |
| Gypsum                                             | .. | 170    | 180    | 129    | 141    | 152      |
| Limestone                                          | .. | 1,128  | 1,191  | 969    | 1,062  | 1,078    |
| Salt (a)                                           | .. | 149    | 158    | 192    | 141    | 150      |
| Other Non-metal (excluding Fuel) Mining            | .. | 475    | 613    | 671    | 622    | 772      |
| <u>Total Non-metal (excluding Fuel) Mining (a)</u> | .. | 2,146  | 2,389  | 2,359  | 2,340  | 2,508    |
| <u>Total All Mining (a)</u>                        | .. | 34,862 | 34,307 | 34,663 | 37,786 | 37,980   |
| <u>Construction Material Quarrying (a)</u>         | .. | 3,447  | 3,312  | 4,167  | 4,427  | (b)5,346 |
| <u>TOTAL ALL MINING AND QUARRYING (a)</u>          | .. | 38,309 | 37,619 | 38,830 | 42,213 | 43,326   |

(a) Incomplete; see Scope of Statistics on pages 4 and 5. (b) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 21. - MINING AND QUARRYING : VALUE OF OUTPUT (a), 1961

(All Mines and Quarries)

(£'000)

| Industry                                           | N.S.W. | VIC.   | Q'LD.  | S.A.   | W.A.   | TAS.  | N.T.     | A.C.T. | AUSTRALIA |
|----------------------------------------------------|--------|--------|--------|--------|--------|-------|----------|--------|-----------|
| <u>Metal Mining</u>                                |        |        |        |        |        |       |          |        |           |
| Gold Mining .. .. .                                | 12     | 470    | (b)    | 1      | 14,311 | (b)   | 917      | ..     | 15,952    |
| Silver-Lead-Zinc Mining .. .. .                    | 17,706 | ..     | (b)    | 1      | 24     | (b)   | 1        | ..     | 35,656    |
| Copper-Gold Mining .. .. .                         | 19     | 2      | (b)    | 1      | 458    | (b)   | 2,041    | ..     | 8,051     |
| Tin Mining .. .. .                                 | 170    | ..     | 1,370  | ..     | 233    | 1,163 | 4        | ..     | 2,940     |
| Mineral Sands Mining .. .. .                       | 2,933  | ..     | 1,588  | ..     | 644    | ..    | ..       | ..     | 5,165     |
| Other Metal Mining .. .. .                         | 95     | 19     | (b)    | 5,177  | 2,122  | (b)   | 12       | ..     | 8,348     |
| <u>Total Metal Mining</u> .. .. .                  | 20,935 | 491    | 22,207 | 5,180  | 17,792 | 6,532 | 2,975    | ..     | 76,112    |
| <u>Fuel Mining</u>                                 |        |        |        |        |        |       |          |        |           |
| Black Coal Mining .. .. .                          | 45,112 | 359    | 8,008  | 1,338  | 1,680  | 584   | ..       | ..     | 57,081    |
| Brown Coal Mining .. .. .                          | ..     | 7,722  | ..     | ..     | ..     | ..    | ..       | ..     | 7,722     |
| <u>Total Fuel Mining</u> .. .. .                   | 45,112 | 8,081  | 8,008  | 1,338  | 1,680  | 584   | ..       | ..     | 64,803    |
| <u>Non-metal (excluding Fuel) Mining</u>           |        |        |        |        |        |       |          |        |           |
| Clays (c) .. .. .                                  | 1,098  | 993    | 107    | 283    | 157    | 49    | ..       | ..     | 2,687     |
| Gypsum .. .. .                                     | 199    | 80     | ..     | 457    | 30     | ..    | ..       | ..     | 766       |
| Limestone .. .. .                                  | 1,296  | 594    | (b)    | 756    | (b)    | 212   | (d)      | ..     | 3,609     |
| Salt (c) .. .. .                                   | ..     | (b)    | (b)    | 775    | (b)    | ..    | 11       | ..     | 999       |
| Other Non-metal (excluding Fuel) Mining .. .. .    | 765    | (b)    | (b)    | 1,110  | 1,487  | 5     | 1        | ..     | 3,433     |
| <u>Total Non-metal (excluding Fuel) Mining (c)</u> | 3,358  | 1,794  | 866    | 3,381  | 1,817  | 266   | 12       | ..     | 11,494    |
| <u>Total All Mining (c) .. .. .</u>                | 69,405 | 10,366 | 31,081 | 9,899  | 21,289 | 7,382 | 2,987    | ..     | 152,409   |
| <u>Construction Material Quarrying (c) .. .. .</u> | 8,766  | 10,888 | 1,139  | 6,013  | 1,207  | 600   | (e)379   | (f)    | 28,992    |
| <u>TOTAL ALL MINING AND QUARRYING (c) .. .. .</u>  | 78,171 | 21,254 | 32,220 | 15,912 | 22,496 | 7,982 | (e)3,366 | (f)    | 181,401   |

(a) See definition on page 6. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Less than £500. (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 22. - MINING AND QUARRYING : VALUE OF OUTPUT (a) : AUSTRALIA

(All Mines and Quarries)

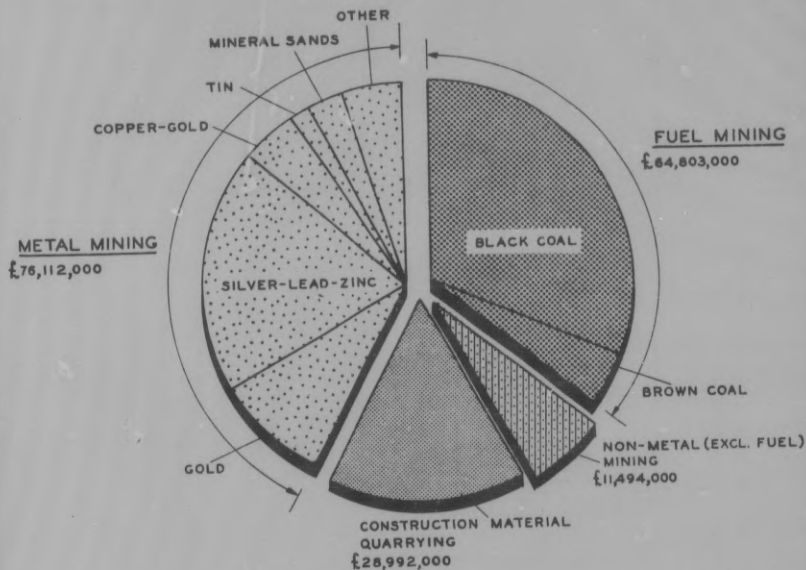
(£'000)

| Industry                                           |    | 1957    | 1958    | 1959    | 1960    | 1961       |
|----------------------------------------------------|----|---------|---------|---------|---------|------------|
| <u>Metal Mining</u>                                |    |         |         |         |         |            |
| Gold Mining                                        | .. | 16,083  | 16,301  | 15,918  | 15,952  | 15,952     |
| Silver-Lead-Zinc Mining                            | .. | 39,473  | 33,414  | 40,294  | 45,457  | 35,656     |
| Copper-Gold Mining                                 | .. | 5,652   | 6,704   | 7,546   | 8,411   | 8,051      |
| Tin Mining                                         | .. | 1,762   | 1,788   | 2,175   | 2,119   | 2,940      |
| Mineral Sands Mining                               | .. | 9,792   | 5,340   | 5,132   | 4,984   | 5,165      |
| Other Metal Mining                                 | .. | 7,992   | 6,643   | 6,457   | 6,900   | 8,348      |
| <u>Total Metal Mining</u>                          | .. | 80,754  | 70,190  | 77,522  | 83,823  | 76,112     |
| <u>Fuel Mining</u>                                 |    |         |         |         |         |            |
| Black Coal Mining                                  | .. | 52,279  | 51,658  | 49,211  | 55,201  | 57,081     |
| Brown Coal Mining                                  | .. | 5,228   | 5,418   | 6,123   | 6,845   | 7,722      |
| <u>Total Fuel Mining</u>                           | .. | 57,507  | 57,076  | 55,334  | 62,046  | 64,803     |
| <u>Non-metal (excluding Fuel) Mining</u>           |    |         |         |         |         |            |
| Clays (b)                                          | .. | 2,090   | 2,629   | 2,878   | 2,923   | 2,687      |
| Gypsum                                             | .. | 615     | 656     | 640     | 710     | 766        |
| Limestone                                          | .. | 3,301   | 3,673   | 3,145   | 3,356   | 3,609      |
| Salt (b)                                           | .. | 735     | 878     | 1,023   | 959     | 999        |
| Other Non-metal (excluding Fuel) Mining            | .. | 2,276   | 2,324   | 2,869   | 2,918   | 3,433      |
| <u>Total Non-metal (excluding Fuel) Mining (b)</u> | .. | 9,017   | 10,160  | 10,555  | 10,866  | 11,494     |
| <u>Total All Mining (b)</u>                        | .. | 147,278 | 137,426 | 143,411 | 156,735 | 152,409    |
| <u>Construction Material Quarrying (b)</u>         | .. | 17,833  | 18,529  | 21,574  | 24,505  | (c) 28,992 |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u>          | .. | 165,111 | 155,955 | 164,985 | 181,240 | 181,401    |

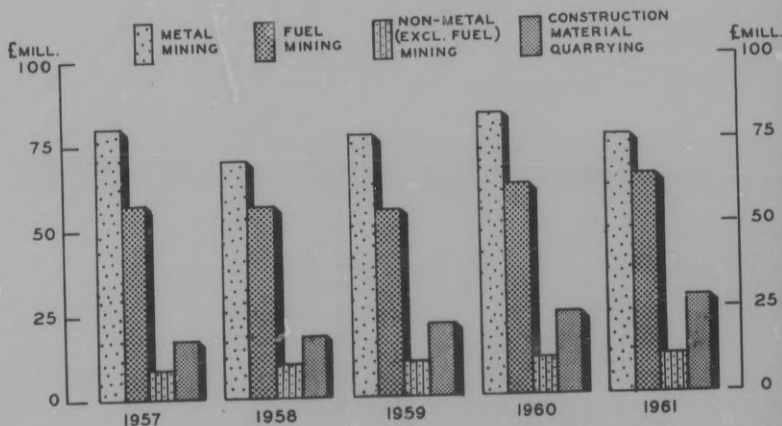
(a) See definition on page 6. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

# MINING AND QUARRYING, AUSTRALIA

VALUE OF OUTPUT, 1961 £181,401,000



VALUE OF OUTPUT, 1957 TO 1961



**TABLE 23. - MINING AND QUARRYING : VALUE OF PRODUCTION (a), 1961**  
(All Mines and Quarries)  
(£'000)

| Industry                                               | N.S.W.     | VIC.   | Q'LD.   | S.A.   | W.A.   | TAS.  | N.T.      | A.C.T. | AUSTRALIA  |
|--------------------------------------------------------|------------|--------|---------|--------|--------|-------|-----------|--------|------------|
| <u>Metal Mining</u>                                    |            |        |         |        |        |       |           |        |            |
| Gold Mining .. .. .                                    | 11         | 304    | (b)     | (b)    | 9,662  | (b)   | 808       | ..     | 10,973     |
| Silver-Lead-Zinc Mining .. .. .                        | 12,337     | ..     | (b)     | (h)    | 9      | (b)   | (c) 1     | ..     | (a) 25,353 |
| Copper-Gold Mining .. .. .                             | (e) (-) 89 | 1      | (b)     | (b)    | 237    | (b)   | 1,698     | ..     | 4,548      |
| Tin Mining .. .. .                                     | 148        | ..     | (b)     | ..     | 153    | (b)   | 1         | ..     | 2,339      |
| Mineral Sands Mining .. .. .                           | 2,028      | ..     | (b)     | ..     | (b)    | ..    | ..        | ..     | 3,368      |
| Other Metal Mining .. .. .                             | 82         | 18     | (b)     | (b)    | 1,701  | (b)   | (c) 12    | ..     | (a) 7,090  |
| <u>Total Metal Mining</u> .. .. .                      | 14,517     | 323    | 15,403  | (b)    | (b)    | 4,127 | 2,520     | ..     | 53,671     |
| <u>Fuel Mining</u>                                     |            |        |         |        |        |       |           |        |            |
| Black Coal Mining .. .. .                              | 34,784     | 241    | 6,704   | (b)    | (b)    | 464   | ..        | ..     | 44,672     |
| Brown Coal Mining .. .. .                              | ..         | 7,100  | ..      | ..     | ..     | ..    | ..        | ..     | 7,100      |
| <u>Total Fuel Mining</u> .. .. .                       | 34,784     | 7,341  | 6,704   | (b)    | (b)    | 464   | ..        | ..     | 51,772     |
| <u>Non-metal (excluding Fuel) Mining</u>               |            |        |         |        |        |       |           |        |            |
| Clays (f) .. .. .                                      | 885        | 936    | (c) 107 | 251    | 110    | 42    | ..        | ..     | (d) 2,331  |
| Gypsum .. .. .                                         | 163        | 61     | ..      | (b)    | (b)    | ..    | ..        | ..     | 614        |
| Limestone .. .. .                                      | 940        | 367    | (b)     | 622    | (b)    | (b)   | (g)       | ..     | 2,531      |
| Salt(f) .. .. .                                        | ..         | (b)    | (b)     | (b)    | (b)    | ..    | (c) 11    | ..     | (d) 849    |
| Other Non-metal (excl. Fuel) Mining .. .. .            | 629        | (b)    | (b)     | 1,063  | (b)    | (b)   | (c) 1     | ..     | 2,661      |
| <u>Total Non-metal (excl. Fuel) Mining (f)</u> .. .. . | 2,617      | 1,491  | 591     | 2,948  | 1,155  | 172   | 12        | ..     | 8,986      |
| <u>Total All Mining (f) .. .. .</u>                    | 51,918     | 9,155  | 22,698  | 8,669  | 14,694 | 4,763 | 2,532     | ..     | 114,429    |
| <u>Construction Material Quarrying (f)</u> .. .. .     | (c) 8,766  | 8,131  | 736     | 4,434  | 859    | 463   | (h) 257   | (i)    | (a) 23,646 |
| <u>TOTAL ALL MINING AND QUARRYING (f)</u> .. .. .      | 60,684     | 17,286 | 23,434  | 13,103 | 15,553 | 5,226 | (h) 2,789 | (i)    | 138,075    |

(a) See definition on page 5. (b) Not available for publication. (c) No allowance has been made for cost of power, fuel, light and other materials and stores used, particulars for which are not available. (d) Refer to footnote (c). (e) Cost of materials used, etc., exceeds value of output. (f) Incomplete; see Scope of Statistics on pages 4 and 5. (g) Less than £500. (h) Includes Australian Capital Territory. (i) Not available for publication; included with Northern Territory.

TABLE 24. - MINING AND QUARRYING : VALUE OF PRODUCTION (a) : AUSTRALIA  
(All Mines and Quarries)  
(£'000)

| Industry                                                 | 1957    | 1958    | 1959     | 1960     | 1961      |
|----------------------------------------------------------|---------|---------|----------|----------|-----------|
| <u>Metal Mining</u>                                      |         |         |          |          |           |
| Gold Mining .. ..                                        | 11,007  | 11,331  | 10,849   | 11,043   | 10,973    |
| Silver-Lead-Zinc Mining .. ..                            | 29,054  | 23,389  | 29,927   | 33,351   | (b)25,353 |
| Copper-Gold Mining .. ..                                 | 3,103   | 3,735   | 4,221    | 5,123    | 4,548     |
| Tin Mining .. ..                                         | 1,334   | 1,267   | 1,663    | 1,589    | 2,339     |
| Mineral Sands Mining .. ..                               | 7,815   | 4,059   | 3,784    | 3,422    | 3,368     |
| Other Metal Mining .. ..                                 | 6,593   | 5,639   | 5,533    | 5,791    | (b) 7,090 |
| <u>Total Metal Mining</u> .. ..                          | 58,906  | 49,420  | 55,977   | 60,319   | 53,671    |
| <u>Fuel Mining</u>                                       |         |         |          |          |           |
| Black Coal Mining .. ..                                  | 42,046  | 41,122  | 39,045   | 43,882   | 44,672    |
| Brown Coal Mining .. ..                                  | 4,593   | 4,806   | 5,530    | 6,222    | 7,100     |
| <u>Total Fuel Mining</u> .. ..                           | 46,639  | 45,928  | 44,575   | 50,104   | 51,772    |
| <u>Non-metal (excluding Fuel) Mining</u>                 |         |         |          |          |           |
| Clays (c) .. ..                                          | 1,866   | 2,382   | (b)2,480 | (b)2,549 | (b)2,331  |
| Gypsum .. ..                                             | 445     | 476     | 511      | 569      | 614       |
| Limestone .. ..                                          | 2,173   | 2,482   | 2,176    | (b)2,294 | 2,531     |
| Salt (c) .. ..                                           | 586     | (b) 720 | (b) 831  | (b) 818  | (b) 849   |
| Other Non-metal (excluding Fuel) Mining .. ..            | 1,801   | 1,711   | (b)2,198 | (b)2,296 | (b)2,661  |
| <u>Total Non-metal (excluding Fuel) Mining (c)</u> .. .. | 6,871   | 7,771   | 8,196    | 8,526    | 8,986     |
| <u>Total All Mining (c)</u> .. ..                        | 112,416 | 103,119 | 108,748  | 118,949  | 114,429   |
| <u>Construction Material Quarrying (b) (c)</u> .. ..     | 14,386  | 15,217  | 17,407   | 20,078   | (d)23,646 |
| <u>TOTAL ALL MINING AND QUARRYING (b)</u> .. ..          | 126,802 | 118,336 | 126,155  | 139,027  | 138,075   |

(a) See definition on page 6. (b) No allowance has been made in some States for cost of power, fuel, light and other materials and stores used, particulars for which are not available. For 1961, the States concerned are indicated by footnote (c) to Table No. 23. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 25. - MINING AND QUARRYING : SALARIES AND WAGES PAID, VALUE OF POWER, FUEL AND LIGHT, MATERIALS USED  
AND VALUE OF OUTPUT AND PRODUCTION : AUSTRALIA, 1961  
(£'000)

| Industry                                       |    |    | Salaries<br>and Wages<br>Paid<br>(a) (b) | Power, Fuel<br>and Light<br>(b) | Other Materials<br>and Stores<br>(b) (c) | Total Power,<br>Fuel, Light,<br>Materials (c)(d) | Value of<br>Output<br>(e) | Value of<br>Production<br>(e) |
|------------------------------------------------|----|----|------------------------------------------|---------------------------------|------------------------------------------|--------------------------------------------------|---------------------------|-------------------------------|
| <u>Metal Mining</u>                            |    |    |                                          |                                 |                                          |                                                  |                           |                               |
| Gold Mining                                    | .. | .. | 6,591                                    | 1,802                           | 3,174                                    | 4,979                                            | 15,952                    | 10,973                        |
| Silver-Lead-Zinc Mining                        | .. | .. | 13,261                                   | 2,232                           | 8,071                                    | 10,303                                           | 35,656                    | (f) 25,353                    |
| Copper-Gold Mining                             | .. | .. | 2,915                                    | 537                             | 2,951                                    | 3,503                                            | 8,051                     | 4,548                         |
| Tin Mining                                     | .. | .. | 927                                      | 191                             | 403                                      | 601                                              | 2,940                     | 2,339                         |
| Mineral Sands Mining                           | .. | .. | 1,474                                    | 531                             | 1,266                                    | 1,797                                            | 5,165                     | 3,368                         |
| Other Metal Mining                             | .. | .. | 1,263                                    | 303                             | 946                                      | 1,258                                            | 8,348                     | (f) 7,090                     |
| <u>Total Metal Mining</u>                      | .. | .. | 26,431                                   | 5,596                           | 16,811                                   | 22,441                                           | 76,112                    | 53,671                        |
| <u>Fuel Mining</u>                             |    |    |                                          |                                 |                                          |                                                  |                           |                               |
| Black Coal Mining                              | .. | .. | 25,460                                   | 2,617                           | 9,791                                    | 12,409                                           | 57,081                    | 44,672                        |
| Brown Coal Mining                              | .. | .. | 1,923                                    | 268                             | 354                                      | 622                                              | 7,722                     | 7,100                         |
| <u>Total Fuel Mining</u>                       | .. | .. | 27,383                                   | 2,885                           | 10,145                                   | 13,031                                           | 64,803                    | 51,772                        |
| <u>Non-metal (excluding Fuel) Mining</u>       |    |    |                                          |                                 |                                          |                                                  |                           |                               |
| Clays (g)                                      | .. | .. | 481                                      | 75                              | 247                                      | 356                                              | 2,687                     | (f) 2,331                     |
| Gypsum                                         | .. | .. | 165                                      | 33                              | 91                                       | 152                                              | 766                       | 614                           |
| Limestone                                      | .. | .. | 1,166                                    | 214                             | 843                                      | 1,078                                            | 3,609                     | 2,531                         |
| Salt (g)                                       | .. | .. | 153                                      | 35                              | 89                                       | 150                                              | 999                       | (f) 849                       |
| Other Non-metal (excluding Fuel) Mining        | .. | .. | 910                                      | 219                             | 537                                      | 772                                              | 3,433                     | (f) 2,661                     |
| <u>Total Non-metal (excl. Fuel) Mining (g)</u> | .. | .. | 2,875                                    | 576                             | 1,807                                    | 2,508                                            | 11,494                    | 8,986                         |
| <u>Total All Mining (g)</u>                    | .. | .. | 56,689                                   | 9,057                           | 28,763                                   | 37,980                                           | 152,409                   | 114,429                       |
| <u>Construction Material Quarrying (g)</u>     |    |    |                                          |                                 |                                          |                                                  |                           |                               |
|                                                | .. | .. | 4,018                                    | 846                             | 3,758                                    | 5,346                                            | 28,992                    | (f) 23,646                    |
| <u>TOTAL ALL MINING AND QUARRYING (g)</u>      | .. | .. | 60,707                                   | 9,903                           | 32,521                                   | 43,326                                           | 181,401                   | 138,075                       |

(a) See definition on page 5. (b) Excludes mines and quarries employing less than four persons. (c) Includes value of explosives sold to employees. (d) Includes mines and quarries employing less than four persons. For this reason the figures may exceed the total of the two preceding columns. (e) See definition on page 6. (f) See footnote (c) to Table No. 23. (g) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 26. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS : 1961

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                             | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA |
|------------------------------------------------------|--------|-------|-------|-------|-------|-------|---------|--------|-----------|
| <u>Metal Mining</u>                                  |        |       |       |       |       |       |         |        |           |
| Gold Mining .. ..                                    | 1      | (a)   | (a)   | ..    | 616   | ..    | 88      | ..     | 778       |
| Silver-Lead-Zinc Mining .. ..                        | 1,030  | ..    | (a)   | ..    | 2     | (a)   | ..      | ..     | 3,425     |
| Copper-Gold Mining .. ..                             | 42     | 2     | (a)   | ..    | 18    | (a)   | 81      | ..     | 845       |
| Tin Mining .. ..                                     | 3      | ..    | (a)   | ..    | 40    | (a)   | 5       | ..     | 261       |
| Mineral Sands Mining .. ..                           | 545    | ..    | (a)   | ..    | (a)   | ..    | ..      | ..     | 728       |
| Other Metal Mining .. ..                             | (b)    | (a)   | (a)   | (a)   | 940   | (a)   | ..      | ..     | 1,138     |
| <u>Total Metal Mining</u> .. ..                      | 1,621  | 35    | 2,584 | (a)   | (a)   | 899   | 174     | ..     | 7,175     |
| <u>Fuel Mining</u>                                   |        |       |       |       |       |       |         |        |           |
| Black Coal Mining .. ..                              | 8,846  | 13    | 1,339 | (a)   | (a)   | 39    | ..      | ..     | 11,535    |
| Brown Coal Mining .. ..                              | ..     | 2,723 | ..    | ..    | ..    | ..    | ..      | ..     | 2,723     |
| <u>Total Fuel Mining</u> .. ..                       | 8,846  | 2,736 | 1,339 | (a)   | (a)   | 39    | ..      | ..     | 14,258    |
| <u>Non-metal (excluding Fuel) Mining</u>             |        |       |       |       |       |       |         |        |           |
| Clays (c) .. ..                                      | (d)    | 32    | ..    | 6     | (a)   | (a)   | ..      | ..     | 38        |
| Gypsum .. ..                                         | 1      | (b)   | ..    | (a)   | (a)   | ..    | ..      | ..     | 92        |
| Limestone .. ..                                      | 424    | 183   | (a)   | 85    | (a)   | (a)   | ..      | ..     | 782       |
| Salt (c) .. ..                                       | ..     | (d)   | (a)   | (a)   | (a)   | ..    | ..      | ..     | 94        |
| Other Non-metal (excl. Fuel) Mining .. ..            | 36     | ..    | (a)   | 82    | (a)   | ..    | ..      | ..     | 268       |
| <u>Total Non-metal (excl. Fuel) Mining (c)</u> .. .. | 461    | 215   | 42    | 345   | 205   | 6     | ..      | ..     | 1,274     |
| <u>Total All Mining (c)</u> .. ..                    | 10,928 | 2,986 | 3,965 | 1,529 | 2,181 | 944   | 174     | ..     | 22,707    |
| <u>Construction Material Quarrying (c)</u> .. ..     | (d)    | 1,702 | (d)   | 423   | 21    | 101   | (e) 34  | (f)    | 2,281     |
| <u>TOTAL ALL MINING AND QUARRYING (c)</u> .. ..      | 10,928 | 4,688 | 3,965 | 1,952 | 2,202 | 1,045 | (e) 208 | (f)    | 24,988    |

(a) Not available for publication. (b) Less than £500. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available.  
 (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

TABLE 27. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                           | 1957   | 1958   | 1959   | 1960   | 1961   |
|----------------------------------------------------|--------|--------|--------|--------|--------|
| <u>Metal Mining</u>                                |        |        |        |        |        |
| Gold Mining .. .. .                                | 1,385  | 1,334  | 1,446  | 789    | 778    |
| Silver-Lead-Zinc Mining .. .. .                    | 5,641  | 3,692  | 6,566  | 3,548  | 3,425  |
| Copper-Gold Mining .. .. .                         | 926    | 540    | 651    | 451    | 845    |
| Tin Mining .. .. .                                 | 117    | 75     | 66     | 185    | 261    |
| Mineral Sands Mining .. .. .                       | 2,155  | 894    | 787    | 481    | 728    |
| Other Metal Mining .. .. .                         | 510    | 624    | 713    | 1,369  | 1,138  |
| <u>Total Metal Mining</u> .. .. .                  | 10,734 | 7,159  | 10,229 | 6,823  | 7,175  |
| <u>Fuel Mining</u>                                 |        |        |        |        |        |
| Black Coal Mining .. .. .                          | 9,229  | 7,912  | 7,707  | 10,947 | 11,535 |
| Brown Coal Mining .. .. .                          | 2,706  | 2,309  | 3,654  | 1,214  | 2,723  |
| <u>Total Fuel Mining</u> .. .. .                   | 11,935 | 10,221 | 11,361 | 12,861 | 14,258 |
| <u>Non-metal (excluding Fuel) Mining</u>           |        |        |        |        |        |
| Clays (a) .. .. .                                  | 53     | 55     | 46     | 57     | 38     |
| Gypsum .. .. .                                     | 129    | 82     | 99     | 41     | 92     |
| Limestone .. .. .                                  | 469    | 439    | 849    | 263    | 782    |
| Salt (a) .. .. .                                   | 398    | 235    | 140    | 59     | 94     |
| Other Non-metal (excl. Fuel) Mining .. .. .        | 526    | 472    | 320    | 168    | 268    |
| <u>Total Non-metal (excl. Fuel) Mining (a)</u>     | 1,575  | 1,283  | 1,454  | 588    | 1,274  |
| <u>Total All Mining (a)</u> .. .. .                | 24,244 | 18,663 | 23,044 | 20,272 | 22,707 |
| <u>Construction Material Quarrying (a)</u> .. .. . | 874    | 825    | 1,408  | 1,624  | 2,281  |
| <u>TOTAL ALL MINING AND QUARRYING (a)</u> .. .. .  | 25,118 | 19,488 | 24,452 | 21,896 | 24,988 |

(a) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 28. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS

(Excluding Mines and Quarries employing less than four persons)

(£'000)

| Industry                                          | 1960      |        | 1961  |       |       |       |       |         |        |           |
|---------------------------------------------------|-----------|--------|-------|-------|-------|-------|-------|---------|--------|-----------|
|                                                   | AUSTRALIA | N.S.W. | VIC.  | Q'LD. | S.A.  | W.A.  | TAS.  | N.T.    | A.C.T. | AUSTRALIA |
| ADDITIONS AND REPLACEMENTS TO LAND AND BUILDINGS  |           |        |       |       |       |       |       |         |        |           |
| Metal Mining .. ..                                | 666       | 90     | 2     | 177   | (a)   | (a)   | 99    | 8       | ..     | 743       |
| Fuel Mining .. ..                                 | 877       | 633    | 223   | 75    | (a)   | (a)   | (b)   | ..      | ..     | 1,192     |
| Non-metal (excluding Fuel) Mining (c)             | 57        | 41     | 108   | 1     | (a)   | (a)   | (b)   | ..      | ..     | 177       |
| Construction Material Quarrying (c)               | 222       | (d)    | 377   | (d)   | 8     | (b)   | 17    | (e) 2   | (f)    | 404       |
| TOTAL ALL MINING AND QUARRYING (a)                | 1,822     | 764    | 710   | 253   | 284   | 379   | 116   | (e) 10  | (f)    | 2,516     |
| ADDITIONS AND REPLACEMENTS TO PLANT AND MACHINERY |           |        |       |       |       |       |       |         |        |           |
| Metal Mining .. ..                                | 4,504     | 1,121  | 12    | 1,626 | (a)   | (a)   | 671   | 97      | ..     | 4,622     |
| Fuel Mining .. ..                                 | 10,576    | 6,738  | 2,026 | 1,211 | (a)   | (a)   | 39    | ..      | ..     | 10,964    |
| Non-metal (excluding Fuel) Mining (c)             | 479       | 418    | 99    | 41    | 326   | 121   | 6     | ..      | ..     | 1,011     |
| Construction Material Quarrying (c)               | 1,396     | (d)    | 1,325 | (d)   | 413   | 21    | 84    | (e) 32  | (f)    | 1,875     |
| TOTAL ALL MINING AND QUARRYING (a)                | 16,955    | 8,277  | 3,462 | 2,878 | 1,653 | 1,273 | 800   | (e) 129 | (f)    | 18,472    |
| ADDITIONS AND REPLACEMENTS TO MINE DEVELOPMENT    |           |        |       |       |       |       |       |         |        |           |
| Metal Mining .. ..                                | 1,653     | 410    | 21    | 781   | (a)   | (a)   | 129   | 69      | ..     | 1,810     |
| Fuel Mining .. ..                                 | 1,408     | 1,475  | 487   | 53    | (a)   | (a)   | (b)   | ..      | ..     | 2,102     |
| Non-metal (excluding Fuel) Mining (c)             | 52        | 2      | 8     | (b)   | (a)   | (a)   | ..    | ..      | ..     | 86        |
| Construction Material Quarrying (c)               | 6         | (d)    | (d)   | (d)   | 2     | ..    | ..    | ..      | ..     | 2         |
| TOTAL ALL MINING AND QUARRYING (a)                | 3,119     | 1,887  | 516   | 834   | 15    | 550   | 129   | 69      | ..     | 4,000     |
| ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS  |           |        |       |       |       |       |       |         |        |           |
| Metal Mining .. ..                                | 6,823     | 1,621  | 35    | 2,584 | (a)   | (a)   | 899   | 174     | ..     | 7,175     |
| Fuel Mining .. ..                                 | 12,861    | 8,846  | 2,736 | 1,339 | (a)   | (a)   | 39    | ..      | ..     | 14,258    |
| Non-metal (excluding Fuel) Mining (c)             | 588       | 461    | 215   | 42    | 345   | 205   | 6     | ..      | ..     | 1,274     |
| Construction Material Quarrying (c)               | 1,624     | (d)    | 1,702 | (d)   | 423   | 21    | 101   | (e) 34  | (f)    | 2,281     |
| TOTAL ALL MINING AND QUARRYING (a)                | 21,896    | 10,928 | 4,688 | 3,965 | 1,952 | 2,202 | 1,045 | (e) 208 | (f)    | 24,988    |

(a) Not available for publication. (b) Less than £500. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available.  
 (e) Includes Australian Capital Territory. (f) Not available for publication; included with Northern Territory.

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NOTE: Inquiries concerning these statistics may be made in Canberra by telephoning J1971 Extension 13 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.