



INQUIRIES

If you want to know more about these statistics —

• ring Mr Paul Curran, Canberra 526256 or our State Office, or

• write to Information Services, ABS, P.O. Box 10, Belconnen A.C.T. 2616

For copies of this publication contact Information Services, Canberra 526627 or State offices.

PRICE INDEXES OF METALLIC MATERIALS JUNE 1977

SUMMARY OF RESULTS

Price Index of Metallic Materials Used
in the Manufacture of Fabricated Metal Products

Percentage change between —

	May 1977 and June 1977	June 1976 and June 1977
Iron and steel	+0.2	+ 6.4
Aluminium	+0.5	+11.1
Copper and brass	-1.7	+ 2.9
Other metallic materials	-8.7	- 0.4
All groups	..	+ 6.4

Interpretation of the indexes

5. In interpreting movements in the indexes, particularly those from month to month, it should be noted that changes frequently occur in an uneven fashion over time. Changes in index numbers for individual months should not be interpreted in isolation and without reference to changes over longer periods.

Price Index of Metallic Materials Used in the Manufacture of Fabricated Metal Products

6. This index includes important metallic materials selected and combined in accordance with a weighting pattern reflecting value of usage as reported at the 1968-69 Census of Manufacturing Establishments for establishments classified to the Fabricated Metal Products Sub-division of Manufacturing Industry (Australian Standard Industrial Classification Sub-division 31). Index numbers for four groupings of items and for the All groups combination are given in Table 1.

Price Indexes of Copper Materials Used in the Manufacture of Electrical Equipment

7. The composition and weighting of these indexes was determined on the joint advice of the Electricity Supply Association of Australia and the Australian Electrical Manufacturers' Association, whose members use measures of this type for price adjustment of important contracts. Four copper materials (busbar, paper covered strip, polyvinyl chloride cable and enamelled winding wire) have been combined into indexes for five separate activities of electrical equipment manufacturing. Index numbers for these activities are given in Table 2.

Related publications

8. Users may also wish to refer to the following price index publications which are available on request:

• *Price Index of Materials Used in Building Other than House Building* (Reference No. 9.6)

• *Price Index of Materials Used in Housebuilding* (Reference No. 9.9)

• *Price Index of Electrical Installation Materials* (Reference No. 9.5)

• *Price Indexes of Materials Used in Manufacturing Industry* (Reference No. 9.13)

• *Price Indexes of Articles Produced by Manufacturing Industry* (Reference No. 9.14)

All publications produced by the ABS are listed in "Publications of the Australian Bureau of Statistics" (Reference No. 1.81) which is available free of charge from any ABS office.

EXPLANATORY NOTES

Introduction

This bulletin contains two sets of monthly price measures relating to important metallic materials used in selected activities of manufacturing industry. The first of these measures (see paragraph 6) is the *Price Index of Metallic Materials Used in the Manufacture of Fabricated Metal Products*. The second (see paragraph 7) is a special purpose series *Price Indexes of Copper Materials Used in the Manufacture of Electrical Equipment*. A detailed description of the measures is available in *Labour Report No. 57, 1972*.

2. The indexes have been compiled for each month from July 1968 and for financial years from 1968-69. Index numbers for financial years are simple averages of the relevant monthly index numbers.

Base Period and method of calculation

3. Each of the indexes is a *fixed weights index* compiled on the reference base 1968-69 = 100.0 using the method known as the *weighted arithmetic mean of price relatives*.

Prices

4. Prices for each of the items relate to representative goods of fixed specification collected from a selection of representative sources. In each case, these specifications are sufficiently detailed to ensure that the price changes incorporated in the indexes are measured, as far as possible, on the basis of constant quality. The price series used are obtained monthly, by mail collection, from major Australian manufacturers of the relevant materials. In the main, prices are collected as at the mid-point of each month. The prices collected are, as far as possible, those normally charged to representative manufacturers for goods delivered into their stores.

TABLE 1. PRICE INDEX OF METALLIC MATERIALS USED IN THE MANUFACTURE OF FABRICATED METAL PRODUCTS GROUP AND ALL GROUPS INDEX NUMBERS
(Base of each index : Year 1968-69 = 100.0) (a)

	<i>Iron and steel</i>	<i>Aluminium</i>	<i>Copper and brass</i>	<i>Other metallic materials</i>	<i>All groups</i>
<i>Value weight (%) (b)</i>	83.2%	8.9%	5.7%	2.2%	100.0%
1973-74	131.7	118.2	138.1	151.3	131.3
1974-75	161.1	141.9	131.1	192.4	158.4
1975-76	200.2	158.0	137.5	207.8	193.1
1976-77 p	227.8	176.9	158.1	231.2	219.4
1975-76 -					
May	217.8	166.1	155.2	216.1	209.6
June	218.4	166.1	153.7	231.0	210.4
1976-77 -					
July	219.6	169.1	162.2	229.7	212.0
August	219.6	169.2	158.3	209.2	211.4
September	219.7	174.3	155.3	203.3	211.6
October	226.4	175.6	149.8	206.6	217.1
November	229.6	175.9	143.9	215.6	219.6
December	230.0	175.9	155.5	241.3	221.2
January	230.0	174.8	158.4	237.1	221.2
February	230.4	174.8	162.9	243.3	221.9
March	231.8	182.6	165.1	254.5	224.1
April	231.9	182.6	166.1	251.7	224.2
May	231.9	183.5	161.0	251.9	224.0
June p	232.4	184.5	158.2	230.0	223.9

For footnotes see Table 2.

TABLE 2. PRICE INDEXES OF COPPER MATERIALS USED IN THE MANUFACTURE OF ELECTRICAL EQUIPMENT INDEX NUMBERS FOR SELECTED ACTIVITIES
(Base of each index : Year 1968-69 = 100.0) (a)

	<i>Copper materials used in the manufacture of -</i>				
	<i>Electric motors and motor control equipment</i>	<i>High voltage and low voltage switchgear</i>	<i>Distribution transformers</i>	<i>Power transformers</i>	<i>General transformers</i>
1973-74	136.0	148.0	130.1	128.0	137.0
1974-75	133.1	137.1	122.4	116.3	128.9
1975-76	139.7	145.3	128.1	122.4	135.3
1976-77	156.7	167.3	145.6	144.3	153.4
1975-76 -					
May	155.1	166.1	145.0	144.6	152.4
June	153.8	163.5	144.1	143.4	150.9
1976-77 -					
July	161.9	174.3	151.4	149.6	159.8
August	157.1	168.5	146.5	145.9	154.3
September	154.3	164.0	143.7	142.2	151.0
October	148.8	158.2	137.9	135.0	145.6
November	144.8	151.0	134.2	130.1	140.9
December	153.3	162.0	143.0	141.6	149.9
January	157.0	166.3	146.6	145.5	153.5
February	160.8	171.7	149.8	149.6	157.3
March	162.8	174.5	151.7	152.0	159.5
April	163.5	177.0	151.7	152.1	160.3
May	158.8	171.4	146.9	146.0	155.6
June	156.8	168.7	144.1	142.5	153.0

(a) Figures are shown to one decimal place to avoid distortions that would occur in rounding off the index numbers to the nearest whole number. (b) Composition and weighting pattern as at reference base year; see paragraph 6. p - preliminary, subject to revision

R. J. CAMERON
Australian Statistician