

SOURCES AND NOTES

This handbook has drawn from a very wide range of primary and secondary statistical sources that are almost too numerous to mention. Frequently, different sources may give markedly different estimates for what is ostensibly the same figure, even when full allowance is made for differing definitions. In such instances judgement has been used. Widely varying units of measurement are used in the originals, and this handbook has standardised, with one or two exceptions on metric units. Some errors may regrettably have crept into the conversions.

The main sources were as follows.

World Reserves

For nearly all minerals the data are taken from US Bureau of Mines' sources, and mainly from:-

Mineral Facts and Problems. 1980 Edition. Bureau of Mines Bulletin 671  
 Mineral Commodity Summaries 1983 and 1984  
 Mineral Commodity Profiles (on specific minerals)  
 Minerals Yearbook Volume 1. Metals and Minerals 1982

Production, Consumption and Trade

The same sources as for reserves, supplemented by:-

World Mineral Statistics (1978-1982) published by the British Geological Survey  
 United Kingdom Mineral Statistics (successive issues) - British Geological Survey  
 Metal Statistics (1978-1982) - Metallgesellschaft, particularly for the main non-ferrous metals  
 World Metal Statistics (successive issues) - World Bureau of Metal Statistics both for major non-ferrous metals and for some of the minor by-product metals  
 Metal Bulletin Handbook (successive issues) - Metal Bulletin  
 United Nations Monthly Bulletin of Statistics  
 Iron and Steel Statistics - (successive issues) - Eurostat  
 Lead and Zinc Statistics (successive issues) - International Lead and Zinc Study Group  
 International Tin Council Monthly Statistical Bulletin (successive issues)  
 Overseas Trade Statistics of the United Kingdom  
 Foreign Trade Analytical Tables for 1981 and 1982 - (NIMEXE) - Eurostat  
 Statistics of Japanese Imports and Exports for 1981 and 1982  
 United States Trade Statistics for 1981 and 1982  
 Yearbook of Mining, Non-Ferrous Metals and Products Statistics - M.I.T.I.  
 Mining Year Handbook - M.I.T.I.  
 Publications of British Sulphur Corporation  
 'Gold' - Consolidated Goldfields (1983 edition)  
 Silver - Handy & Harman (1982 edition)  
 Mining Annual Review 1983 - Mining Journal Publications

TEX Report - Ferro-Alloy Manual  
 TEX Report - Iron Ore Manual  
 The Rare Metal News  
 Yearbook of Fertilisers (Japanese)  
 Sumisho Non-Ferrous Metal News - Sumitomo Shoji K.K.  
 Metal News. The Japan News Industry Association  
 Aluminium, Copper, Lead and Zinc World Flow Tables - World Bureau of  
 Metal Statistics  
 Uranium. Resources, Production and Demand (successive issues) - OECD  
 Nuclear Energy Agency/IAEA

### Prices

Metals Week Handbooks 1978-1983  
 Metal Bulletin Handbooks 1978-1983  
 Industrial Minerals  
 Engineering and Mining Journal  
 USBM Mineral Yearbooks and Mineral Commodity Summaries  
 IMF - International Financial Statistics  
 UN - Monthly Bulletin of Statistics  
 Sulphur - B.S.C.

Prices are yearly averages unless otherwise stated.

### End Use Patterns

Minerals Yearbook. 1982 Edition.  
 Mineral Commodity Summaries 1983

### Reserve/Production Ratios

The forecasts of cumulative demand underlying the 'dynamic' reserve ratios were taken mainly from Mineral Facts and Problems. In a few cases the US Bureau of Mines' forecasts were altered where they appeared unreasonable.