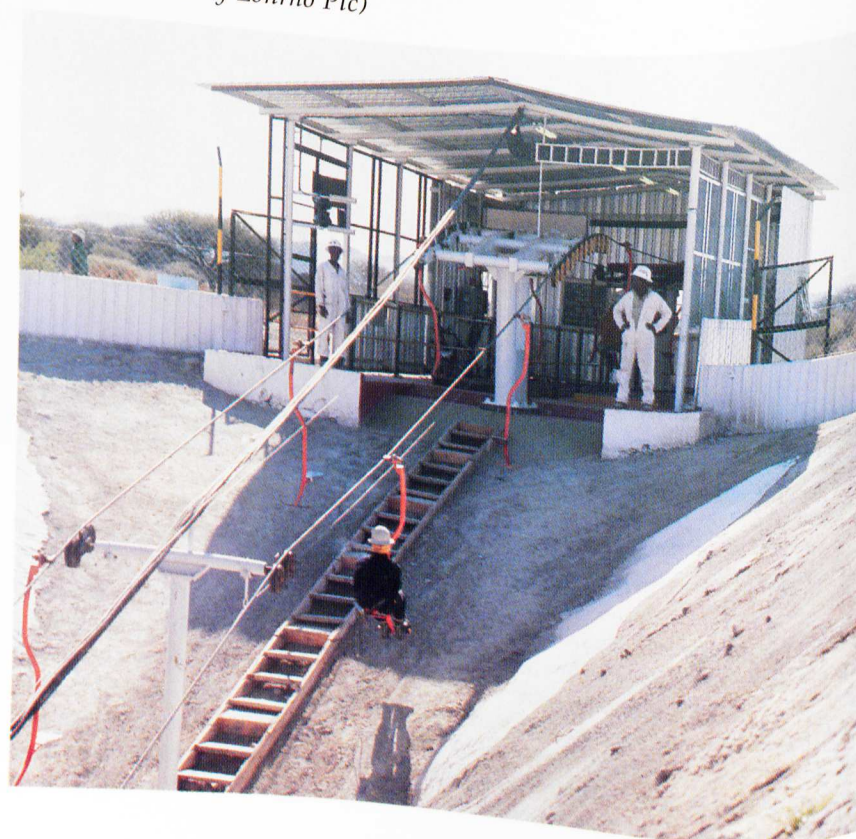




Decline to the mechanized section at Karee
(courtesy Lonrho Plc)



Chair lift for transporting
personnel in an incline shaft,
Rustenburg Platinum Mines
(courtesy Johannesburg
Consolidated Investment Co.
Ltd)

world refinery production. Had only mine production been included, the share of South Africa, Russia and Canada would have increased (i.e. the 'production' of Australia, Finland, Japan, Yugoslavia, and part of the USA would not have been included, even though that production is minimal anyway). It is interesting to note that, if the production figures for the minor producers are assumed to equal their sales supplies to Western markets, then South African PGM export sales for the periods mentioned above actually show a declining tendency (60,43, 58,08, and 56,00 per cent) while those

of Russia show an increasing tendency (32,53, 35,29, and 37,61 per cent). Davison (1991) suggests that for 1990, South African sales amounted to 72,84 per cent of world platinum, 37,04 per cent of world palladium, and 55,23 per cent of world rhodium, which roughly agree with the Johnson Matthey figures for that year (73,99, 34,75, and 53,51 per cent). Estimates are somewhat lower for the same year (67,96, 28,46, and 52,43 per cent), which again highlights the discrepancies that are bound to occur as the result of estimating all figures in the economic field relating to the PGM.

Table 3.8

Estimates of world palladium production, 1981-1992

Country/ period	Individual annual production for the six-year period, kg							Annual growth/ decline, %
	1	2	3	4	5	6	Average	
Australia 1981-86 1987-92	401 490	416 411	373 400	523 400	476 400	428 400	436 417	+ 3,10 - 3,08
Canada 1981-86 1987-92	5 674 5 910	3 717 5 643	3 669 4 442	5 384 5 044	5 252 6 028	5 486 6 019	4 865 5 514	+ 3,63 + 1,20
Finland 1981-86 1987-92	62 89	145 106	71 100	34 100	35 100	96 100	74 99	- 7,73 + 1,17
Japan 1981-86 1987-92	801 1 417	867 1 170	1 155 821	1 051 1 047	1 359 1 053	1 453 981	1 114 1 081	+12,85 - 5,32
South Africa 1981-86 1987-92	28 305 33 891	22 737 34 518	22 261 35 291	28 748 38 257	32 440 39 501	32 542 43 314	27 839 37 462	+ 5,94 + 5,01
Russia 1981-86 1987-92	71 428 87 149	74 729 89 434	76 843 89 152	77 383 83 492	79 465 82 066	84 949 85 328	77 466 86 103	+ 3,07 - 1,22
USA 1981-86 1987-92	171 2 330	212 3 730	146 4 850	341 5 930	432 6 050	546 7 670	308 5 093	+28,54 +24,28
Yugoslavia 1981-86 1987-92	97 132	90 142	91 199	96 130	95 120	85 117	92 140	- 1,26 - 4,29
Zimbabwe 1981-86 1987-92	162 29	86 46	74 43	38 31	30 30	35 29	71 35	-27,98 - 4,49
World total 1981-86 1987-92	107 101 131 437	102 999 135 200	104 683 135 298	113 598 134 431	119 584 135 348	125 620 143 958	112 264 135 945	+ 3,86 + 1,30