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ANNUAL REPORT

OF THE DIRECTOR OF THE SOUTH AFRICAN MINT
FOR THE YEAR 1 APRIL 1982 TO 31 MARCH 1983

REPUBLIC OF SOUTH AFRICA

SOUTH AFRICAN MINT

The Director General : Finance
Private Bag X115
PRETORIA.

ANNUAL REPORT OF THE DIRECTOR OF THE SOUTH AFRICAN MINT FOR 1982/1983.

I wish to submit the following report on the activities of the South African Mint during the financial year 1st April, 1982, to 31st March, 1983.

INTRODUCTION

The total coinage production for the year amounted to 356 million coins which is an increase of 57% over the 227 million of the previous year. This considerable increase mainly reflects the pressing demand for bronze coins which in comparison with the previous year increased from 139 million to 260 million coins. Bronze coins i.e. 1-cent and 2-cent coins currently account for over 70% of the total coinage production.

The sales of circulation coins amounted to R21 308 694 as against R27 395 000 for the previous year which is a decrease of 22%. The reason for this is the reduction in the sales of nickel coins.

The sales of collectors' coins amounted to R23 272 158 which is an increase of 22% over the previous year. This is mainly the result of the increase in the sales of proof Krugerrands and proof fractional Krugerrands. As many as possible of the applicants for inclusion in the Mint's distribution list were included.

Sales of miscellaneous Mint products, mainly sales of industrial gold and silver, amounted to R47 230 232 which is normal.

The total sales of all Mint products amounted to R91,8 million for the year yielding a nett profit of R23,9 million.

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The production of Krugerrands for the Chamber of Mines of South Africa decreased to 2,6 million from the 3,0 million for the previous year. There was also a decrease in the number of fractional Krugerrands produced so that the total number of gold coins produced for the Chamber amounted to 4,3 million as compared to the 5,5 million of the previous year.

The two new rolling mills were commissioned during the year and this completed the modernisation which in accordance with the planned programme was undertaken over the past number of years. This was only just in time to make it possible for the considerable demand for bronze coins in particular, currently being experienced, to be met.

During the year it was my privilege to attend the XIIth Conference of Mint Directors held at Lisbon, Portugal. The Conference was a success and the Mints of 37 countries were represented.

The financial statements and the activities of the various departments are set out in the following chapters.

J.J. GROENEWALD
DIRECTOR OF THE S.A. MINT

CHAPTER I - FINANCE

COMBINED MANUFACTURING- OPERATING- AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31 MARCH 1983.

1981/82 R		R	1982/83 R
	EXPENDITURE		
543 312	Work in progress on 1 April 1982		198 903
	Coin stocks on hand at cost on 1 April 1982 :		6 303 376
7 407 287	Bullion costs	5 852 971	
1 292 157	Conversion costs	450 405	
	Operating costs for the year :		65 605 444
59 561 201	Bullion costs	63 279 166	
1 947 998	Conversion costs	2 326 278	
511 614	Selling costs		771 963
71 263 569	Subtotal		72 879 686
	Less:		
	Value of coin issued in replacement of old coin withdrawn from circulation, at cost		821
	Bullion costs	698	
	Conversion cost	123	
	Coin stocks on hand at cost on 31/3/83		2 492 165
5 852 971	Bullion contents	1 997 257	
450 405	Conversion cost	494 908	
	Transfer to bullion		3 447 458
198 903	Work in progress on 31 March 1983		236 861
64 761 290			66 702 381
	RECEIPTS		
92 530 055	Sales		90 671 270
64 761 290	Less: Cost of sales		66 702 381
27 768 765	Net profit for the year		23 968 889

BALANCE SHEET AS AT 31 MARCH 1983

31 March 1982 R	LIABILITIES:	R	31 March 1983 R
	MINT CAPITAL		
4 645 871	Balance on 1 April 1982	5 981 524	
1 529 464	Additions for the year	354 705	
6 175 335		6 336 229	
193 811	Less: Sales, depreciation and write-offs	364 553	
5 981 524	Balance on 31 March 1983		5 971 676
855 883	OPERATING CAPITAL		1 071 327
4 388 366	S.A. RESERVE BANK for gold deposited		8 667 440
26 000 000	THE TREASURY - advances for the purchase of bullion		28 000 000
285 576	SUNDRY CREDITORS		20 836
340 068	ADVANCE PAYMENTS by clients		(163 706)
37 851 417			43 567 573
	ASSETS:		
4 190 990	BUILDINGS at cost	4 190 990	
Nil	Additions during the year	Nil	
4 190 990		4 190 990	
882 932	Less: Accumulated depreciation	916 013	
3 308 058	Value on 31 March 1983		3 274 977
4 771 372	MACHINERY AND EQUIPMENT at cost	6 300 836	
1 529 464	Additions during the year	354 705	
6 300 836		6 655 541	
3 645 370	Less: Sales, accumulated depreciation and write-offs	3 976 842	
2 655 466	Value on 31 March 1983		2 678 699
18 000	LAND		18 000
77 389	STORES at cost		106 387
294 138	SUNDRY DEBTORS		254 898
	BULLION (including bullion in coin stock)		35 989 377
19 940 543	Gold	26 636 705	
8 702 458	Other	9 352 672	
450 405	COIN STOCKS at cost (excluding bullion content)		494 908
198 903	WORK IN PROGRESS at cost		236 861
132 525	OPERATING SUSPENCE ACCOUNTS		237 175
5 821	MINT MUSEUM STOCK at cost price		5 854
2 067 711	CASH with Paymaster General		270 437
37 851 417			43 567 573

1. COMPARATIVE STATEMENT OF SALES

		1982/83 R	1981/82 R	1980/81 R
a)	Circulation coin	21 308 694	27 395 000	20 735 600
b)	Proof and collectors' coin	23 272 158	18 989 906	15 487 816
c)	Gold and silver for industrial purposes	45 388 117	44 830 847	46 789 789
d)	Die and medal products, laboratory and sundry services	1 421 567	752 378	308 954
e)	Manufacture of gold coin for the Chamber of Mines	409 351	544 220	583 989
f)	Manufacture of coin for foreign governments	Nil	Nil	125 500
g)	Rand Refinery	11 197	17 704	17 139
	Total	91 811 084	92 530 055	84 048 787

2. COMPARATIVE STATEMENT OF CONVERSION AND SALES COSTS

	1982/83 R	1981/82 R	1980/81 R
Conversion costs	2 326 278	1 947 998	1 413 585
Selling costs	771 963	511 614	386 154
Total	3 098 241	2 459 612	1 799 739

3. OPERATING RESULTS

a) Combined			
Sales	91 811 084	92 530 055	84 048 787
Net profit	23 968 889	27 768 765	21 810 326
% Profit	26,11	30,01	25,95
b) Circulation coin			
Sales	21 308 694	27 395 000	20 735 600
Net profit	14 438 986	20 041 693	15 737 483
% Profit	67,76	73,16	75,90
c) Proof and collectors' coin			
Sales	23 272 158	18 989 906	15 487 816
Net profit	8 923 774	7 016 276	5 496 850
% Profit	38,35	36,95	35,49
d) Sundry Accounts			
Sales	47 230 232	46 145 149	47 825 371
Net profit	606 129	710 796	575 993
% Profit on sales	1,28	1,54	1,20

The decrease in total profit for 1982/83 in comparison with 1981/82 is due mainly to the lesser demand (sales) for nickel circulation coin.

4. COMPARATIVE STATEMENT OF CAPITAL ADDITIONS

	1982/83	1981/82	1980/81
	R	R	R
Buildings	Nil	Nil	Nil
Machinery and equipment	354 705	1 529 464	116 401
Total	354 705	1 529 464	116 401

5. GOLD COINS DELIVERED TO CHAMBER OF MINES

	Number of Pieces		
Krugerrand	2 630 006	3 014 527	3 192 328
1/2-Krugerrand	262 668	153 986	543 063
1/4-Krugerrand	635 898	1 270 928	603 818
1/10-Krugerrand	813 539	1 016 022	1 456 355
R1 Gold	Nil	Nil	92 445
Total	4 342 111	5 455 463	5 888 009

6. COMPARATIVE STATEMENT OF STORES USED

	R	R	R
Direct purchases	257 847	148 925	105 564
Issued ex stores	211 803	146 321	138 433
Total	469 650	295 246	243 997

The increase of 59% during 1982/83 over 1981/82 is due mainly to increased expenditure on maintenance of plant and machinery.

CHAPTER II - ADMINISTRATION

A. MINT OFFICE

The Mint Office is responsible for the purchase of all coinage metals, the issue thereof to the production sections and the issue of all coins, medals and products manufactured by the S.A. Mint.

1. GOLD :

The average selling price of industrial gold was R436,41 per fine ounce, compared with R385,61 in the previous year. The selling price of gold sold for industrial purposes is determined in accordance with the average ruling prices on the free market on a weekly basis in respect of manufacturing jewellers and on a daily basis for buyers of gold bars from April 1980, as adjusted and approved by the South African Reserve Bank, plus a commission of 1%.

A total fine mass of 3 088,10 kg of gold was sold during the year whereas 3 310,38 kg was sold during the previous year.

Gold Coins :

A total of 28 060 gold proof coins (14 030 of R2 and 14 030 of R1) was struck for sale in 7 100 proofsets of 10 coins (R2 - ½c) and 6 930 proofsets of 2 coins (R2 - R1).

In addition to the above 16 960 proof Krugerrands, 13 000 proof 1/2-Krugerrands and 11 270 each of the proof 1/4- & 1/10-Krugerrands were minted.

The following uncirculated Krugerrands and fractional Krugerrands were minted for the Chamber of Mines :-

Krugerrand	2 630 006
1/2-Krugerrand	262 668
1/4-Krugerrand	635 898
1/10-Krugerrand	813 539

Gold Transactions :

There was an increase in the total fine mass of the gold transacted as compared with the previous year as follows :-

	1982/83 kg	1981/82 kg
Received from Rand Refinery Ltd.	4 539,82	3 920,22
Granulated and dental gold sold	3 088,10	3 310,38
Medals, wire and sheet gold sold	11,72	12,78
Mass of R2, R1 Krugerrand	1 082,90	829,09
Transferred to Die & Medal Section	5,25	12,53
Transferred to Coinage Section	1 272,11	640,15
	9 999,90	8 725,15

2. SILVER

Silver transactions by mass :

	1982/83 kg	1981/82 kg
Bought from Rand Refinery Ltd.	6 384,13	11 264,25
Granules and strip sold	6 286,96	11 314,55
Medals and other items sold	63,96	121,09
Coin received from Coinage Section	144,02	120,36
Issues for various alloys	71,37	93,59
	12 950,44	22 913,84

Purchase of Silver :

6 384,13 kg of Silver was purchased from the Rand Refinery Ltd., mainly for sale in granulations.

Basic Selling Price of Silver :

It was necessary for the Mint, with Treasury approval, to vary its basic selling price of silver in conformity with the rise and fall in the overseas market price. Silver is sold at the daily cash price ruling on the London Metal Market. The average selling price was R11,88 per fine ounce compared with R9,00 in the previous year. The total fine mass sold during the year was 6 286,96 kg whereas 11 314,55 kg was sold during the previous year.

Withdrawal of 500 Std. and 800 Std. Silver Coin for Remelting :

During the year no silver coins were withdrawn from circulation.

3. NICKEL

Nickel Transactions by mass in kg

	1982/83	1981/82
Blanks purchased for coinage	489 800,00	452 500,00
Mass of coins received	355 576,35	335 146,64
Transferred to Die & Medal Section	72,39	10,48
	845 448,74	787 657,12

4. BASE METALS

The following are the receipts of and the transactions in base metals. This involved mainly issues to the Coinage Section for the production of gold, silver and bronze coin as well as a small amount of copper for the alloying of the different grades of gold sold to industry.

Base Metals Transactions by mass :

	1982/83 kg	1981/82 kg
Copper purchased	702 742,00	176 720,00
Bronze issued to Coinage Section	808 760,00	215 544,50
Bronze coin received from Coinage Section	861 149,04	475 612,65
Metals for various alloys	42,22	23,39
Copper issued to Rand Refinery Ltd.	7 448,00	24 893,00
Copper issued to Mechanic Shop	20,00	399,00
Issued to Die & Medal Section	76,30	546,73
Scrap sold	-	3 230,00
	2 380 237,56	896 969,27

Withdrawal of Bronze Coin :

During the year coin to the value of R1 337,20 was withdrawn from circulation.

5. COIN RECEIVED AND ISSUED

The following is a comparative schedule in respect of gold, silver, nickel and bronze coins received from the Coinage Section and issued by the Mint Office :-

Denomination	Receipts from Coinage Section		Issued to Banks etc. during	
	1982/83	1981/82	1982/83	1981/82
Gold				
2 Rand	14 030,00	37 076,00	15 072,00	38 808,00
1 Rand	7 015,00	19 274,00	7 542,00	20 221,00
Silver				
1 Rand	12 000,00	10 000,00	36 311,00	15 120,00
Nickel				
R1	5 124 413,00	2 641 399,00	5 766 833,00	8 491 956,00
50c	1 051 860,50	1 641 727,50	3 890 629,00	4 541 531,50
20c	1 508 602,40	3 751 321,80	4 087 700,40	5 833 412,60
10c	2 477 000,00	976 806,20	2 349 327,80	2 525 706,30
5c	2 593 684,60	2 416 090,00	2 311 163,90	2798 353,15
Bronze				
2c	1 569 320,00	1 094 920,00	1 397 783,16	1 876 836,04
1c	1 820 620,00	847 040,00	1 555 031,29	1 300 770,63
½c	60,00	50,00	12 606,56	1 076,04
	16 178 605,50	13 435 704,50	21 430 000,11	27 443 791,26

6. PROOFSETS

The Mint produced 7 100 ten-coin proofsets (R2 - ½c), 6 930 gold proofsets (R2 - R1) and 4 900 eight-coin proofsets (R1 - ½c).
16 960 Proof quality Krugerrands, 13 000 1/2-Krugerrands and 11 270 each of the 1/4- & 1/10-Krugerrands were minted.

7. COINS MANUFACTURED FOR OTHER COUNTRIES

Nil

8. PACKING AND DESPATCH SECTION

The number of parcels despatched by post and by rail compared with the previous year was :-

	1982/83	1981/82
Parcels despatched by post	20 529	16 308
Parcels, other than coin, despatched by rail	-	42 (687 kg)
Boxes of coin despatched by rail	9 055 (548 622 kg)	8 161 (797 021 kg)
Boxes of Krugerrands, etc.	6 332 (111 433,20 kg)	7 046 (123 672,56 kg)

B. PERSONNEL

1. SCHEDULE OF POSTS AND PERSONNEL EMPLOYED

The following comparative schedule shows the number of posts and the personnel employed at the end of the year as compared with the previous year :-

	Categories	1983		1982	
		Posts	Personnel	Posts	Personnel
a.	Administrative	8	7	8	7
b.	Professional	4	3	4	3
c.	Technical	22	15	19	11
d.	Clerical	18	10	17	3
e.	General Divisions A & B excluding items (g) to (j)	29	18	29	11
f.	Temporary employees against posts under items (a) to (e)	-	8	-	9
g.	Senior Special Craftsman	2	2	2	-
h.	Special Craftsman	11	9	11	8
i.	Foreman	3	2	5	3
j.	Male Operators	24	20	22	15
k.	Apprentices	4	3	4	3
l.	Female Operators and Supervisors	49	35	50	37
m.	Guards & Bossboys	18	17	17	17
n.	Messengers, Cleaners & Labourers	135	125	148	117
	Total	327	274	336	244

There was an increase of 30 in the number of persons employed while the number of posts decreased by 9.

2. PERSONNEL TURNOVER

Appointments	174
Resignations	152

3. POST STRUCTURAL CHANGES

The number of authorised posts decreased by 9.

4. PERSONNEL CHANGES

a) The following officers and employees retired on pension :-

i) Mr. F.W. Arndt, Temporary Security Assistant, on 1st June 1982 after 3 years of service on account of ill health.

ii) Mr. S.C.W.J. van Vuuren, Temporary Stores Officer, on 1st July 1982 after 14 years of service.

iii) Mrs. M.M. Sprawson, Clerical Assistant, on 1st November 1982 after 11 years of service.

iv) Mr. E.J. Sadler, Senior Stores Officer, on 1st December 1982 after 41 years of service.

v) Mr. G.P.F. Kersten, Temporary Chief Professional Officer, on 1st January 1983 after 9 years of service.

b) Three workers died during the year :-

i) Mr. Moses Nkitle, on 17th August 1982, after 3 years of service.

ii) Mr. John Khanyile, on 30th September 1982, after 10 years of service.

iii) Mr. Phillip Ratabane, on 1st March 1983, after 10 years of service.

c) The following officers and employees were transferred to other ranks :-

i) Miss R.J. Horn, TN.6 Machine Operator to TN.5 Supervisor with effect from 1st May 1982.

ii) Mr. A.J. Swanepoel, Temporary Special Craftsman, to Temporary Chief Maintenance Officer with effect from 1st August 1982, and Temporary Chief Maintenance Officer to Temporary Superintendent: Processing with effect from 1st January 1983.

iii) Mr. L.P. Boshoff, Chief Maintenance Officer to Superintendent: Processing with effect from 1st October 1982.

iv) Mr. C.J. Lusse, Senior Operator to Driver with effect from 1st February 1983.

v) Mr. C.W. Lamprecht, Senior Security Assistant to Senior Operator with effect from 1st February 1983.

vi) Mrs. S.M. Boshoff, TN.6 Machine Operator to TN.5 Special Operator with effect from 1st March 1983.

vii) Mrs. G.C. English, TN.6 Machine Operator to TN.5 Supervisor with effect from 1st March 1983.

d) The following officer was promoted :-

Mr. M.N. de Beer, Administrative Officer to Control Administrative Officer with effect from 1st October 1982.

e) Merit bonus was awarded to :-

Mrs. A. van Lier.

f) The following officers and employees were transferred under the new endowment :-

1) Mr. T.B. Barnard, Chief Accountant to Senior State Accountant with effect from 1st January 1983.

2) Mr. A. de La R. Joubert, Control Accountant to State Accountant with effect from 1st January 1983.

3) Mrs. A.M. Barnard, Assistant Accountant to Assistant State Accountant with effect from 1st January 1983.

4) Mrs. F.J. Duvenhage, Senior Clerical Assistant to Accounting Clerk with effect from 1st January 1983.

5) Miss M.E.F. Lourens, Senior Clerical Assistant to Accounting Clerk with effect from 1st January 1983.

6) Mrs. G.C. Joubert, Temporary Administrative Assistant to Accounting Clerk with effect from 1st January 1983.

7) Mr. P.C. van der Westhuizen, Temporary Stores Officer to Temporary Storekeeper with effect from 1st January 1983.

8) Mr. W.P. van der Westhuizen, Stores Officer to Storekeeper with effect from 1st January 1983.

9) Mr. M.N. de Beer, Control Administrative Officer to Manager: Provisioning Administration with effect from 1 st January 1983.

10) Mr. W.J. van Aswegen, Administrative Officer to Chief Provisioning Administration Clerk with effect from 1st January 1983.

11) Miss S.E.J. Ecroignard, Administrative Assistant to Provisioning Administration Clerk with effect from 1st January 19 83.

12) Mrs. I.M.S.J. van Rensburg, Clerical Assistant to Provisioning Administration Clerk with effect from 1st January 1983.

13) Mrs. I.F. Smit, Clerical Assistant to Provisioning Administration Clerk with effect from 24th January 1983.

14) Mrs. L.C.S. Neumann, Clerical Assistant to Provisioning Administration Clerk with effect from 26th January 1983.

15) Mr. W. Roux, Chief Superintendent: Maintenance to Senior Workshop Superintendent with effect from 1st February, 1983.

16) Mr. L. Nel, Chief Superintendent: Coinage to Senior Workshop Superintendent with effect from 1st February 1983.

17) Mr. J.P. Roux, Chief Superintendent: Processing to Senior Workshop Superintendent with effect from 1st February 1983.

18) Mr. A. Fedder, Superintendent: Toolmaking to Workshop Superintendent with effect from 1st February 1983.

19) Mr. P.I. Bester, Superintendent: Electrical Services to Workshop Superintendent with effect from 1st February 1983.

20) Mr. A.L. Sutherland, Superintendent: Die and Medal to Workshop Superintendent with effect from 1st February 1983.

21) Mr. L.P. Boshoff, Superintendent: Processing to Workshop Superintendent with effect from 1st February 1983.

22) Mr. A.J. Swanepoel, Temporary Superintendent: Processing to Temporary Workshop Superintendent with effect from 1st February 1983.

23) Mr. J.K.T. Booysens, Senior Artisan Foreman to Artisan Foreman with effect from 1st February 1983.

24) Mr. W.A. Rompelman, Die Sinker and Medallist to Artisan (Die Sinker and Medallist) with effect from 1st February 1983.

25) Mr. J.M.T. Philpott, Senior Artisan Foreman to Artisan Foreman (Mint Machine Control) with effect from 1st February 1983.

26) Mr. F.J.D. Pretorius, Senior Artisan Foreman to Artisan Foreman (Mint Machine Control) with effect from 1st February 1983.

27) Mr. C.B. Visagé, Senior Artisan Foreman to Artisan Foreman (Mint Machine Control) with effect from 1st February 1983.

28) Mr. P.R.B. Snydert, Temporary Senior Artisan Foreman to Temporary Artisan Foreman (Mint Machine Control) with effect from 1st February 1983.

29) Mr. S.J. Cuthbert, Temporary Chief Maintenance Officer to Temporary Senior Artisan Foreman with effect from 1st February 1983.

30) Mr. D.K. Brebner, Special Craftsman to Artisan with effect from 1st February 1983.

31) Mr. C.J. Vermeulen, Special Craftsman to Artisan (Carpenter) with effect from 1st February 1983.

32) Mr. G.J. van Harmelen, Special Craftsman to Artisan (Mint Machine Control) with effect from 1st February 1983.

33) Mr. N. Rodrigues, Temporary Special Craftsman to Temporary Artisan (Welder) with effect from 1st February 1983.

34) Mr. J.P. Groenewald, Artisan Foreman to Artisan (Mint Machine Control) with effect from 1st February 1983.

35) Mr. D.F. Riekert, Artisan Foreman to Artisan (Mint Machine Control) with effect from 1st February 1983.

36) Mr. W.P. Prinsloo, Artisan Foreman to Artisan (Mint Machine Control) with effect from 1st February 1983.

37) Mr. J.F.S. Landman, Temporary Senior Operator to Temporary Artisan with effect from 1st February 1983.

C. MINT MUSEUM AND LIBRARY

A. GIFTS

1. Gifts received :-

Banco Central Do Brasil	50 Cruzeiros 1981 20 Cruzeiros 1981 10 Cruzeiros 1981 5 Cruzeiros 1981 1 Cruzeiros 1981
Swiss Federal Mint	2 x 5 Fr. Commemorative coins.
Austrian Mint	One set of 8-coins dated 1981 (20 Schilling to 2 Groschen).
Royal Australian Mint	Set of 6-coins dated 1982. "Commonwealth Games" (50c to 1c).
Mint Bureau Japan	Set of 6-coins dated 1982.
State Mint, Stuttgart	5 DM Commemorative coin.

2. Gifts presented :-

South African Embassy, Athens	2 Sets uncirculated coins (R1 - 1c).
Overseas Mint and Related Institutions	30 Sets uncirculated coins (R1 - 1c). B.J. Vorster Commemorative coins.
American Numismatic Society	2 Epoxy models of obverse and reverse of R1 coin.

B. VISITORS

1 015 Visitors were received during 1982/83 viz. 716 adults & 299 children.

C. PERSONNEL CHANGES

Miss S.E.J. Ecroignard commenced duty as Administrative Assistant on 1st January 1983.

CHAPTER III - PRODUCTION

1. MELTING SECTION

The following schedules show the activities of the section for the year :-

Gold

Fine gold granules		920,2910 kg
22ct gold granules		178,5813 kg
18ct gold granules		201,3395 kg
9ct gold granules		134,0188 kg
18ct gold for Die & Medal		16,1624 kg
	Total	1 450,3930 kg

Silver

Fine silver granules		6 387,5228 kg
925 Std. silver for Die & Medal		158,8827 kg
	Total	6 546,4055 kg

Bronze

Coinage bronze		1 386 161,0000 kg
	Total	1 386 161,0000 kg

2. ROLLING SECTION

The production in this section was as follows:-

a) Bars Rolled:

Coinage bronze		1 381 390,7900 kg
9ct gold for Die & Medal		58,9222 kg
18ct gold for Die & Medal		29,1316 kg
925 Std. silver for Die & Medal		153,8168 kg
	Total	1 381 632,6606 kg

b) Blanks annealed and cleaned:

Proof Krugerrand		16 960 pieces
Proof 1/2-Krugerrand		13 000 pieces
Proof 1/4-Krugerrand		11 270 pieces
Proof 1/10-Krugerrand		11 270 pieces
Proof gold R2		14 030 pieces
Proof gold R1		14 030 pieces
Std. Krugerrand		2 630 006 pieces
Std. 1/2-Krugerrand		262 668 pieces
Std. 1/4-Krugerrand		635 898 pieces
Std. 1/10-Krugerrand		813 539 pieces
800 Std. silver R1		12 000 pieces
2c, 1c & ½c bronze		260 544 000 pieces
Uncirculated sets (R1 - 1c)		8 000 pieces
	Total	264 986 671 pieces
	Total mass	999 445,367 kg

c) Blanks cleaned:

R1 Nickel		5 124 413 pieces
50c Nickel		2 103 721 pieces
20c Nickel		7 543 012 pieces
10c Nickel		24 770 000 pieces
5c Nickel		51 873 692 pieces
	Total	91 414 838 pieces
	Total mass	355 500,507 kg

3. COINAGE SECTION

a) The number of coins minted during the year amounted to 356 389 509 pieces as reflected in the following schedule :-

COIN PRODUCTION

Denomination	Bars cast kg.	Bars rolled kg.	Blanks coined kg.	Good coin produced 1982/83 No. of pieces	Good coin produced 1981/82 No. of pieces
Gold					
Krugerrand			575,4590	16 960	12 900
1/2-Krugerrand			441,6465	13 000	9 000
1/4-Krugerrand			95,6823	11 270	7 500
1/10-Krugerrand			38,2604	11 270	7 500
R2			112,0603	14 030	18 538
R1			56,0089	14 030	19 274
Total			1 319,1174	80 560	74 712
800 Std. Silver					
R1			180,0200	12 000	10 000
Total			180,0200	12 000	10 000
Nickel					
R1			61 774,986	5 124 413	2 641 399
50c			20 006,559	2 103 721	3 283 455
20c			45 330,855	7 543 012	18 756 609
10c			98 840,223	24 770 000	9 768 062
5c			129 649,678	51 873 692	48 321 800
Total			355 602,301	91 414 838	82 771 325
Bronze					
2c)			312 831,19	78 466 000	54 746 000
1c)	1 386 161,00	1 381 390,79	584 294,89	182 062 000	84 704 000
½c)			24,00	12 000	10 000
Total	1 386 161,00	1 381 390,79	897 150,08	260 540 000	139 460 000
Chamber of Mines					
Krugerrand			89 157,2034	2 630 006	3 014 527
1/2-Krugerrand			4 828,8063	262 668	153 986
1/4-Krugerrand			5 398,7740	635 898	1 270 928
1/10-Krugerrand			2 765,2191	813 539	1 016 022
Total	1 386 161,00	1 381 390,79	102 150,0028	4 342 111	5 455 463
GRAND TOTAL	1 386 161,00	1 381 390,79	1 356 401,5212	356 389 509	227 771 500

b) Proof Coins

The following proof coins were minted and delivered to the Mint Office :-

South Africa:

a)	Proof Krugerrand	16 960
b)	Proof 1/2-Krugerrand	13 000
c)	Proof 1/4-Krugerrand	11 270
d)	Proof 1/10-Krugerrand	11 270
e)	Long Proofsets (R2 & R1 gold R1 - $\frac{1}{2}$c)	7 100
f)	Short Proofsets (R1 - $\frac{1}{2}$c)	4 900
g)	Gold Proofsets (R2 & R1)	6 930

c) Uncirculated Sets 10 000

4. DIE AND MEDAL SECTION

The following number of units were produced in this section during the year :-

Coinage dies	8 039
Dies for medals	13
Medals	8 728
Badges	1 902
Gold Jewellers' articles	11
Silver Jewellers' articles	436
Sundry Die and Medal items	214
Articles engraved by hand	409
S.A. Police, S.A. Defence, Prisons and S.A. Railway Police medals numbered by machine	5 160

The following medals were produced from new dies :-

1. S.A. Academy for Science and Art:

1.1 Stals Medal: Two silver gilt 38 mm diameter medals were struck.

Obverse: Effigy of the late Dr. Stals.
Wording : "Stals - Medalje".
Modelled by L.P. de Lange.
Reverse: Standard Laurel Wreath of the Academy.

1.2 Gustav Preller Medal: One 38 mm silver gilt medal struck.

Obverse: Effigy of the late Gustav Preller.
Wording: "Gustav Preller-Medalje".
Modelled by L.P. de Lange.
Reverse: Standard Laurel Wreath of the Academy.

1.3 Toon van den Heever Medal: One 38 mm diameter medal struck in silver gilt.

Obverse: Effigy of Toon van den Heever.
Wording: "Toon van den Heever-Medalje".
Modelled by A.L. Sutherland.
Reverse: Standard Laurel Wreath.

1.4 Two further medals were produced from F.A.K. punches namely :-

"Totius-Medalje" and "C.J. Langenhoven-Medalje", 38 mm diameter, 1 each silver gilt. Standard reverse.

2. S.A. Chemical Institute:

Van Eck Medal: 3 - 18ct Gold medals struck in 38 mm diameter.

Obverse: Emblem of the Institute.
Reverse: Laurel Wreath with wording: "Van Eck Medal".

3. University of Pretoria:

3.1 "Meiring Naudé" Medal for Physics. One 50 mm diameter medal struck in silver gilt.

Obverse: Effigy of Dr. Meiring Naudé with wording: "Meiring Naudé - Medalje vir Fisika".
Reverse: Coat of Arms of the University of Pretoria. Wording: "Universiteit van Pretoria". Modelled by L.P. de Lange.

3.2 "Afrikaanswording" Commemorative medal. 38 mm Diameter. One 18ct gold, 70 silver and 225 bronze medals were struck.

Obverse: Existing Ceremonial University Coat of Arms.
Reverse: Emblem with wording: "Afrikaanswording" with date 1932 - 1982. Modelled by L.P. de Lange.

4. University of Stellenbosch:

4.1 S.J. Shand medal for the Department of Geology. Three 18ct gold medals struck in 38 mm diameter.

Obverse: Effigy of Prof. S.J. Shand. Wording: "S.J. Shand Gedenkmedalje 1882 - 1957". Modelled by L.P. de Lange.
Reverse: Symbolic chain enclosing Geologist Hammer. Wording: "Universiteit van Stellenbosch - Geologie". Modelled by Miss S. Delport.

4.2 Meiring Naudè Medal for Physics:
One 50 mm diameter medal struck in silver gilt.

Obverse: Effigy of Dr. Meiring Naudé with wording: "Meiring Naudé-medalje vir Fisika".
Reverse: Coat of Arms of the University of Stellenbosch and wording: "Universiteit van Stellenbosch - Vir Uitstaande Prestasie In Hons. BSc (Fisika).

5. Republic of Bophuthatswana:

5 Years Independence Anniversary Medallions.

Obverse: Effigy of H.E. President Mangope. Wording: " Bophuthatswana - President L.M. Mangope". Modelled by L.P. de Lange.
Reverse: Coat of Arms of Republic of Bophuthatswana. Wording: "Segopatso Sa Kemonosi 1977 - 1982".

50 Sets of three medals (18ct gold, silver and bronze) were struck, a further 50 single 18ct gold were minted, 170 single silver and 470 single bronze.

CHAPTER IV - ENGINEERING

The function of the section is the installation and maintenance of machinery and plant in all sections of the Mint as well as the manufacture of tooling for production requirements.

In particular the following work was undertaken :-

1. One hydraulically driven two-high breakdown rolling mill supplied by Carl Wezel was installed and commissioned for reducing continuously cast bronze strip from 10 mm thickness to 2,9 mm.

2. One Direct Current drive four-high finishing rolling mill with hydraulic thickness adjustment also supplied by Carl Wezel was installed and commissioned for reducing bronze strip from the breakdown mill to final guage in one tonne coils.

3. A bending type coiler was added to the Wertli horizontal continuous casting plant for coiling the twin cast bronze strips simultaneously into one tonne coils.

4. Two decoiling-straighteners were added to the two blanking presses.

5. The Gräbener MPU 150 coining press was commissioned but has not been found to function satisfactorily.

6. A Degussa vacuum furnace for die-hardening and a Wild Barfield tempering furnace were installed.

7. A bag-type filter was installed for the continuous filtering of fumes from the bronze melting and casting furnaces.

8. After installation of the new rolling mills and repositioning of plant approximately 1 000 m^2 of the rolling room floor had to be retiled.

9. Two 15 kW pumps were installed to increase the capacity and pressure of the process cooling water supply.

10. Two submersible pumps were installed in the drainage pits below basement level.

11. A number of redundant machines were moved to the basement pending disposal.

12. The two official residences were completely renovated.

13. Spring-loaded ejector pins inserted from the face side of punches were developed for the blanking presses.

CHAPTER V - LABORATORY SERVICES

This section is responsible for process quality control and the assaying of metals for the manufacture of coins and medals.

Assaying is carried out for the South African Police, Diamond and Gold Branch, in connection with the combatting of illicit precious metal dealings, fraud and counterfeit coins. In this connection laboratory staff were subpoenaed to give evidence in two court cases during the year.

The S.A. Bureau of Standards submits various gold and silver samples for assay in connection with the use of the Bureau hallmark on gold and silver articles manufactured in the jewellery trade.

Assaying of minerals is also carried out for bonafide prospectors.

The following work was carried out in the section during the year :-

1. a) Precious Metal Assays:

Gold:	Mint Office	758 samples	
	S.A. Bureau of Standards	44 samples	802
Silver:	Mint Office	111 samples	
	S.A. Bureau of Standards	27 samples	138
		Total	940

b) Other Metal Assays:

Copper	706 samples
Zinc	320 "
Tin	320 "
Phosphorus	320 "
Nickel	11 "

c) Illicit Gold Trade: S.A. Police

416 Exhibits in 277 cases were assayed.
In addition 49 samples of gold were prepared and assayed for trap purposes.
This represents an increase of 50%.

2. General Physical Testing

Nickel coin blanks	1 100
Bronze coin blanks	17 260
Krugerrand blanks	420
Manufactured coins	21 480
Manufactured Krugerrand coins	1 050
Die inspection	7 420

3. Prospector's Samples

There were no prospector's samples during the year.