

REPUBLIC OF SOUTH AFRICA

SOUTH AFRICAN MINT

The Secretary for Finance,
Union Buildings,
PRETORIA.

ANNUAL REPORT OF THE DIRECTOR OF THE
SOUTH AFRICAN MINT FOR 1970/71

I wish to submit the following report on the activities of the South African Mint during the financial year 1st April, 1970, to 31st March, 1971.

INTRODUCTION

The demand for new coins was maintained at a particularly high level throughout the year and the Mint had an exceptionally busy year in having to produce 130 million coins of which 101 million were bronze.

This was the highest production of local coins in any one year since the introduction of the new coinage during 1965 and had to be executed at a time when the Mint was experiencing considerable difficulty in having to maintain production while the rebuilding programme had reached an advanced stage. Facilities had to be established temporarily wherever accommodation was available and much make-shift planning was necessary. It was nevertheless possible to meet all coinage requirements fully.

The modernisation programme is now well underway and it was possible to occupy the new Die and Medal Section as well as the engineering workshops during the year. The new basement area was completed and now houses the new electrical distribution installation as well as the air-conditioning plant. The much needed smelting and blank annealing and cleaning areas are nearing completion and occupation is eagerly anticipated.

Revenue from the sale of currency coins amounted to R3.510.241 being R186.968 less than for the previous year. The decrease in revenue with a considerable increase in coins issued is accounted for by the increased demand being mainly for the low face value bronze coins with a decrease in the number of nickel coins issued.

The nett profit for the year was R3.142.605.

CHAPTER I - FINANCIAL

COMBINED MANUFACTURING, TRADING AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31 MARCH, 1971.

<u>1969-70</u>		<u>1970-71</u>
R		R
	<u>EXPENDITURE</u>	
535.456	Work in progress, 1 April, 1970	30.524
1.191.673	Stock of coins o/h on 1 April, 1970 (at cost)	1.302.776
	Manufacturing expenses for the year:	4.693.578
4.489.008	- Bullion costs	4.151.070
485.059	- Conversion costs	<u>542.508</u>
51.289	Sales expenses	56.417
	Credits allowed in manufacturing of bronze coins for foreign governments i.r.o. fixed costs	4.982
39.740		
<u>6.792.225</u>		<u>6.088.277</u>
	<u>Less:-</u>	
	Value of new coins issued in replacement of old coins withdrawn from circulation (at cost).	49.390
330.158	Stock of coins o/h on 31 March 1971 (at cost)	1.561.718
1.302.776	Work in progress on 31 March 1971	8.685
30.524		
<u>1.663.458</u>		<u>1.619.793</u>
R 5.128.767	Value of sales	R 4.468.484
	<u>RECEIPTS</u>	
R	Sales	R
8.018.475	Value of bullion taken on charge out of Recoinage a/c	7.406.141
357.221		204.948
<u>8.375.696</u>		<u>7.611.089</u>
5.128.767	<u>Less</u> Value of sales	<u>4468.484</u>
<u>R 3.246.929</u>	Nett profit for year	<u>R 3.142.605</u>

SOUTH AFRICAN MINT

BALANCE SHEET AS AT 31 MARCH, 1971

<u>31 March, 1970</u>		<u>31 March, 1971</u>	
R	<u>LIABILITIES</u>		R
676.411	<u>CAPITAL</u> as at 1 April, 1970	626.619	
2.450	- Additions during year	626.736	
678.861		1.253.355	
	- Sales and depreciation		
52.242	written off	47.863	
626.619	- Balance as at 31 March, 1971		1.205.492
	<u>WORKING CAPITAL</u> - Balance		
290.106	as at 31 March, 1971		223.751
265.183	<u>SUNDRY CREDITORS</u>		254.147
	<u>RAND REFINERY LTD</u> - for gold		
805.958	deposited at statutory price		1.293.129
	<u>THE TREASURY</u> - advances for		
3.075.000	purchase of bullion		3.075.000
16.450	<u>ADVANCE PAYMENTS</u> by customers		129.830
<u>R5.079.316</u>			<u>R 6.181.349</u>
R	<u>ASSETS</u>		R
809.694	<u>BUILDINGS</u> - at cost	809.694	
-	- Additions during year	450.268	
809.694		1.259.962	
569.268	Less Depreciation	571.672	
240.426	- Value as at 31 March, 1971		688.290
	<u>MACHINERY AND EQUIPMENT</u>		
2.649.059	at cost	2.651.509	
2.450	- Additions during year	176.468	
2.651.509		2.827.977	
2.283.316	Less Sales and depreciation	2.328.775	
368.193	- Value as at 31 March, 1971		499.202
18.000	<u>LAND</u>		18.000
626.619			1.205.492
54.862	<u>STORES STOCK</u> at cost		78.439
166.806	<u>SUNDRY DEBTORS</u>		29.414
	<u>BULLION</u> o/h (including bullion		
	in coin in stock)		4.287.347
735.519	- Gold	1.120.935	
2.943.733	- Other	3.046.412	
	<u>STOCK OF COIN</u> o/h at cost		
216.302	(excluding bullion)		258.993
30.524	<u>WORK IN PROGRESS</u> at cost		8.685
4.867	<u>WORKING SUSPENSE ACCOUNTS</u>		7.464
300.084	<u>CASH</u> with Paymaster-General		305.515
<u>R5.079.316</u>			<u>R6.181.349</u>

1. The nett profit for the year amounted to R3.142.605 compared with R3.246.929 for the previous year. The decrease of R104.324 is mainly due to the decrease in the revenue from the sale of circulation as well as proof and collectors' coins and the fact that no silver alloy from withdrawn coinage was sold.

2. The particulars of the sales shown in the Combined Manufacturing, Trading and Profit and Loss Account for the year, as compared with the previous year, are as follows:-

	<u>1970-71</u>	<u>1969-70</u>
	R	R
Circulation Coins	3.510.241	3.757.582
Proof and Collectors' Coins	544.920	619.179
<u>Sundry Trading Account:-</u>		
Sale of gold and silver	3.149.842	2.810.853
Die and Medal products	66.815	47.100
Gold Coin manufactured for Chamber of Mines	45.476	20.600
Coins manufactured for foreign governments.	88.847	205.518
Sale of silver alloy	-	551.613
Resale of old $\frac{1}{2}$ cents	-	6.030
	<u>R7.406.141</u>	<u>R8.018.475</u>

3. During the year the following circulation coins were sold, compared with the previous year:-

	<u>1970-71</u>	<u>1969-70</u>
	R	R
Silver Coins	400	77.630
Nickel Coins	2.517.161	3.142.552
Bronze Coins	992.680	537.400
	<u>R3.510.241</u>	<u>3.757.582</u>

4. There was a decrease of R55.073 in the sale of proof and collectors coins to a total of R199.282. This is due to the fact that the considerable interest in the new series of coins introduced during 1965/66 has settled and the demand is now limited to true collectors. Further factors are the increase in the price of all proof coin sets as from 1968 as well as the fact that from 1970 all coins carry inscriptions in both official languages on each coin and not one language only, as previously. so that only one set now has to be collected.

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5. The increase of R338.989 in the sale of gold and silver is mainly due to the greater demand for these metals for industrial purposes during the year.

6. The sale of die and medal products increased by R19.718, in comparison with the previous year, mainly as a result of the following work undertaken:

1820 Settlers Commemorative medals	R7.190-00
Long service badges for the S.A. Railways	2.953-50
Medals in gold, silver and bronze for the Witwatersrand Agricultural Society.	<u>3.318-40</u>
	<u>R13.461-90</u>

7. During the year 447.464 Krugerrands in uncirculated condition were minted for the Chamber of Mines from coin blanks manufactured by the Chamber as against 100.000 during the previous year.

8. In addition to the coins sold, new coins were issued in replacement of old silver and bronze coins withdrawn from circulation on a R for R basis at face value. The face value of the coins thus replaced, in comparison with the previous year is as follows:

1969/70	R795.489
1970/71	R145.770

The weight of the bullion taken on charge from the defaced coins and the value thereof, as compared with the previous year, are as follows:-

<u>1970/71</u>		<u>1969/70</u>	
<u>Weight</u>	<u>Value</u>	<u>Weight</u>	<u>Value</u>
Silver 156.350,94 ozs (troy)	R161.096,19	320.152,77 ozs (troy)	R346.848,63
Bronze 91.348,50 lbs .	<u>43.851,71</u>	41.489,38 lbs.	<u>10.372,34</u>
	<u>R204.947,90</u>		<u>R357.220,97</u>

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:

Basic price of monetary gold remained at R25, 30 per fine oz. plus 1% (the basic price plus $\frac{1}{2}\%$ is paid to the Rand Refinery Ltd.)

The average selling price of Industrial gold was R26-39 per fine ounce, compared with R28-73 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 over a period of a month, as adjusted and approved by the South African Reserve Bank, plus a commission of 1%.

A total fine weight of 103.614, 22 ozs. of gold was sold during the year whereas 83.452, 27 ozs. were sold during the previous year.

Gold coins:

A total of 14, 000 gold proof coins (7, 000 of R2 and 7, 000 of R1 coins) were struck for sale in 6, 000 proofsets of 10 coins (R2-1c) and 1, 000 proofsets of 2 coins (R2-R1).

In addition to the above 10, 000 non-proof R2 coins, 10, 000 non-proof R1 coins and 10, 000 Krugerrand coins were minted for sale, as well as 447, 464 Krugerrand coins for the Chamber of Mines of South Africa.

Gold transactions:

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

	<u>1970/71</u>	<u>1969/70</u>
	ozs.	ozs.
Received from the Rand Refinery Ltd.....	128.276, 21	95.898, 10
Granulated and dental gold sold.....	103.614, 35	83.452, 42
Medals, wire and sheet gold sold.....	362, 16	267, 37
Weight of R2, R1, Krugerrand.....	16.001, 64	16.376, 54
Transferred to Die & Medal Section.....	369, 44	825, 65
Received from Die & Medal Section.....	-	-
Transferred to Coinage Section.....	-	-
Received from Coinage Section.....	-	-
Transferred to Chamber of Mines.....	3.629, 15	29.000, 08
	<u>252.252, 95</u>	<u>225.820, 16</u>

2. SILVER:

Silver transactions by weight converted to fine ozs. troy:

	<u>1970/71</u>	<u>1969/70</u>
Bought from Rand Refinery Ltd. and Sundry persons	273.900,63	201.650,85
Coin withdrawn from circulation		
500 Std., 800 Std	156.348,09	320.152,77
Granules and strip sold	335.964,80	319.955,11
Medals & other items sold	5.706,95	4.947,29
Issues to Coinage Section	-	-
Received from Coinage Section (not coin) ..	181.480,71	-
Coin received from Coinage Section	9.297,08	213.528,17
Issues for various alloys	4.919,00	4.125,31
	<u>967.617,26</u>	<u>1.064.359,50</u>

Purchase of Silver:

273.900,63 ozs of silver were purchased from the Rand Refinery, Ltd., mainly for the 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 prices ruling on the London metal market. The average selling price was R1-25 per fine ounce compared with R1-29 in the previous year. The total fine weight sold during the year was 335.964,80 ozs. whereas 319.955,11 ozs. were sold during the previous year.

Withdrawal of 500 Std. and 800 Std.

Silver coin for remelting:-

During the year silver coins to the value of R136,900 were withdrawn from circulation.

3. NICKEL

Nickel transactions by weight in lbs. avoirdupois:

	<u>1970/71</u>	<u>1969/70</u>
Blanks purchased for coinage	111.109,46	111.598,71
Weight of coins received	205.340,59	142.925,07
Transferred to Die & Medal Section	22,27	27,58
	<u>316.472,32</u>	<u>254.551,36</u>

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.

Receipts of base metals (in lbs. avoirdupois):-

<u>Copper</u>	<u>Zinc</u>	<u>Tin</u>	<u>Total</u>
399.151,00 lb.	11.311,00 lb	3.000,00 lb	413.462,00 lb.

Base Metals Transactions by weight in lbs.

Issued to Coinage Section for Silver Coin	-
Weight of bronze issued to Coinage Section	815.675,95
Weight of bronze coin received from Coinage Section	777.167,56
Weight of cupro-nickel issued to Coinage Section	-
Weight of Cupro-nickel received from Coinage Section.....	-
Weight of Metals for various alloys.....	375,23
Weight of bronze issued to Die & Medal Section	2.103,37
Weight of bronze received from Die & Medal Section	62,37
Weight of bronze articles sold	304,00
	<u>1.595.688,48</u>

Withdrawal of bronze coin:

During the year coin to the value of R8.870 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 Bullion Office:-

Denomination	Receipts from Coinage Section		Issued to Banks etc. during	
	1970/71	1969/70	1970/71	1969/70
<u>GOLD:</u>				
2 Rand	34.000-00	36.058-00	31.236-00	33.146-00
1 Rand	17.000-00	18.000-00	16.396-00	17.349-00
<u>SILVER:</u>				
1 Rand	24.050-00	554.109-00	31.592-00	766.889-00
<u>NICKEL:</u>				
50c	2.827.903-00	870.568-00	1.183.839-00	1.327.406-00
20c	8.810-00	6.020-60	395.936-20	779.950-20
10c	250.978-20	572.330-50	647.966-10	632.470-70
5c	579.315-00	501.988-20	495.485-05	417.734-85
<u>BRONZE:</u>				
2c	644.454-08	186.767-38	625.893-82	322.494-26
1c	523.536-79	142.308-04	357.196-91	248.446-99
$\frac{1}{2}$ c	86.229-91	26.273-56	78.264-00	26.605-23
	4.996.276,98	2.914.423,28	3.863.805,05	4.572.492,23

6. **PROOFSETS:**

The Mint made 6,000 ten-coin proofsets (R2-1c), 1,000 gold proofsets (R2-R1) and 4,000 eight-coin proofsets (R1-1c)

7. **COINS MANUFACTURED FOR OTHER COUNTRIES:**

Rhodesian Coin

	<u>1970/71</u>	<u>1969/70</u>
$\frac{1}{2}$ c	-	R 50.000
1c	R107.550	R142.450
$2\frac{1}{2}$ c	-	R100.000

8. **PACKING AND DESPATCH SECTION:**

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

	<u>1970/71</u>	<u>1969/70</u>
Parcels despatched by Post	18.883	17.784
Parcels, other than coin, despatched by rail	16 (361 lb)	52 (2766 lb.)
Boxes of coin despatched by rail	3.054 (571012 lb)	3.520 (502.949 lb)

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.

CATAGORIES	Posts Personnel		Posts Personnel	
	1971		1970	
(a) Administrative	6	6	6	6
(b) Professional	2	1	2	2
(c) Technical	7	6	7	7
(d) Clerical	12	6	13	6
(e) General Divisions A & B, excluding items (g) to (i)	19	9	18	13
(f) Temporary employees against posts under items (a) to (e)	0	11	0	8
(g) Special Craftsmen	6	6	6	6
(h) Artisans and Toolmakers	9	6	9	5
(i) Male Operators	11	12	11	12
(j) Apprentices	2	1	2	1
(k) Woman Operators & Supervisors	38	36	35	38
(l) Security Officers	6	5	6	5
(m) Messengers	4	0	4	0
(n) Bantu Guards and Bossboys	13	14	13	13
(o) Bantu Messengers and Female Cleaners	4	8	4	8
(p) Bantu Labourers	71	62	71	75
TOTAL:	210	189	207	205

As result of resignations there was a decrease of 16 in personnel whereas the number of posts increased by 3. No additional temporary employees were in service at the end of the year.

2. PERSONNEL TURNOVER:

Appointments 65

Resignations 81

3. POST STRUCTURAL CHANGES:

The number of authorised posts increased by 3 to 210 with additional temporary posts at an approved scale on increased production of more than the accepted basic annual production. The following structural changes took place during the year:-

- (a) Three posts of TN7 Machine Operator were created in the Coining Section from the 1st June, 1970.
- (b) One post of Administrative Assistant was converted to Senior Clerical Assistant in the Finance Division from the 1st June, 1970.
- (c) Two posts of Administrative Assistant were converted to Assistant Accountant in the Finance Division from the 1st December, 1970.

4. PERSONNEL CHANGES:

- (a) Mr. H.S. Lombard, Senior Professional Officer, resigned on the 30th April, 1970.
- (b) Mr. L. Nel, Senior Foreman, was promoted to a personal salary scale from the 1st May, 1970.
- (c) Miss M.E.F. Lourens was promoted to Senior Clerical Assistant from the 1st August, 1970.
- (d) Mr. T.B. Barnard, Accountant, was advanced on merit from the 1st October, 1970.
- (e) Mrs. L. Meyer, Clerical Assistant, was transferred to the Department of Bantu Administration and Development from the 1st October, 1970.
- (f) Mr. F.C. Payze, Senior Foreman, retired on the 30th November, 1970.

C. MINT MUSEUM AND LIBRARY.

1. The following gifts were received:-

<u>FROM</u>	<u>ITEM</u>
Banco Central de Brasil, Rio de Janeiro.	An album of 5 Bank Notes i.e. Um Cruzeiro, Cinco Cruzeiros Dez Cruzeiros, Cinquenta Cru- zeiros Cem Cruzeiros.
Shell, South Africa (Pty) Ltd.	Complete set of mounted medallions.
Mint Bureau, Osaka, Japan.	(i) Set of 6 coins i.e. 100 Yen, 100 Yen Expo 1970, 50 Yen, 10 Yen, 5 Yen, 1 Yen.
	(ii) Two - 100 Yen coins.
Centro Interamericano de Educacion Tecuica, Chile	Two Bank Notes- Un Escudo and Medio Escudo.
Bank of Korea, Seoul.	One - 100 Won Coin.
Postmaster-General, Pretoria.	The following Bank Notes:- Bank notes from various foreign countries.

2. Gifts presented by the S.A. Mint.

TO

ITEM

Smithsonian Institution Washington
D.C.

One - 1970 Uncirculated Set.

The Japanese Mint, Osaka.

One - 1970 Uncirculated Set.

Bank of Korea, Seoul.

One - 1970 Uncirculated Set.

3. VISITORS.

During the rebuilding of the Mint in accordance with the programme of modernisation, no visitors are permitted.

CHAPTER III - PRODUCTION

1. MELTING SECTION:-

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

Gold:-

Fine Gold granules	19.414,06 ozs
22 Ct. Gold granules	49.184,65 ozs
18 Ct. Gold granules	4.299,67 ozs
9 Ct. Gold granules	10.705,69 ozs
22Ct. Gold for Die & Medal	2.143,40 ozs
18 Ct. Gold for Die & Medal	1.540,92 ozs
9 Ct. Gold for Die & Medal	4.378,02 ozs
22 Ct. Gold for Chamber of Mines	36.951,76 ozs
Mixed Gold bars for Mint Office	783,74 ozs
Total	<u>129.401,91 ozs</u>

Silver:-

925 Std. Silver for Die & Medal	31.647,70 ozs
Fine Silver for Die & Medal	2.268,53 ozs
Fine Silver granules	354.954,89 ozs
800 Std. and 500 Std. Silver remelted	448.576,31 ozs
500 Std. blanks remelted	96.456,01 ozs
Total	<u>933.903,44 ozs</u>

Bronze:-

Coinage bronze melted	<u>1.023.769,00 lbs</u>
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2. ROLLING SECTION:-

The production in this section was as follows:-

(a) Bars rolled and blanked

800 Std Silver	<u>127.061,12 ozs</u>
Coinage bronze	<u>913.412,00 lbs</u>

(b) Blanks annealed and cleaned

800 Std. Silver	85,800 Pieces
Std Gold (Krugerrand, R2 & R1)	513,900 Pieces
2c, 1c and $\frac{1}{2}$ c Bronze	108,199,695 Pieces
Rhod. 1c	7.175,500 Pieces
Total	<u>115.974,895 Pieces</u>

(c) Blanks cleaned

Nickel (50c, 20c, 10c, and 5c)	<u>18,706.556 Pieces</u>
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3. COINAGE SECTION:-

(a) Coinage Production:

The number of coins minted during the year amounted to 130.179.818 pieces as reflected in the following schedule:-

COIN PRODUCTION

Denominations	Bars cast OZS	Bars rolled OZS	Blanks coined OZS	Good coins produced	
				1970/71 No of pieces	1969/70 No of pieces
<u>GOLD</u>					
Krugerrand			10,911.09	10,000	10,000
R2			4,364.13	17,000	18,029
R1			2,181.07	17,000	18,000
TOTAL			17,456.29	44,000	46,029
<u>800 STD SILVER</u>					
R1		127,062.23	11,621.34	24,050	554,109
TOTAL		127,062.23	11,621.34	24,050	554,109
<u>NICKEL</u>					
50c			1,722,665.80	5,655,806	1,741,136
20c			8,534.83	44,050	30,103
10c			322,654.99	2,509,782	5,723,305
5c			940,694.71	11,586,300	10,039,964
TOTAL			2,994,550.33	19,795,938	17,534,508
<u>BRONZE</u>					
2c		<u>LBS</u>	283,412.94	32,222,704	9,338,369
1c		771,625.00	347,193.56	52,353,679	14,230,804
1/2c			75,661.98	17,245,983	5,254,712
TOTAL		771,625.00	706,268.48	101,822,366	28,823,885
<u>BRONZE</u>					
Rhod 1c		141,798.00	70,899.08	8,046,000	16,954,000
Rhod 1/2c					10,000,000
TOTAL		141,798.00	70,899.08	8,046,000	26,954,000
<u>CUPRO NICKEL</u>					
Rhod 2 1/2c					4,000,000
TOTAL					4,000,000
<u>CHAMBER OF MINES</u>					
Krugerrand			<u>CZ</u> 488,201.50	447,464	20,000
R2					100,000
TOTAL			488,201.50	447,464	120,000
GRAND TOTAL				1,30,179,818	78,032,531

(b) Proofsets:

The following proofsets were minted, packed in leatherette cases and delivered to the Mint Office:-

SOUTH AFRICAN

(a) Gold Proofsets (R2 & R1)	1.000 sets
(b) Long Proofsets (R2 & R1 gold, R1- $\frac{1}{2}$ c)	6.000 sets
(c) Short Proofsets (R1- $\frac{1}{2}$ c)	<u>4.000 sets</u>
	<u>11.000 sets</u>

4. DIE AND MEDAL SECTION

1. The number of units produced in this section during the year amounted to:-

Coinage Dies	2.353 Units
Dies for medals etc.	79 Units
Medals and badges	17.119 Units
Gold jeweller's articles	15 Units
Silver jeweller's articles	427 Units
Sundries Die & Medal	7,783 Units
General Press	38.846 Units
Defence medals stamped	<u>1.692 Units</u>
	<u>68.314 Units</u>

2. The following new medals were produced:-

(1) Transvaal Numismatic Society

9Ct. Gold, Silver and Bronze Medals 38.1mm diameter.

Obverse:-

The Transvaal Numismatic Society badge showing the Cullinan diamond upon which four coins are superimposed viz. a Tugat (Reverse), Burger Pond (Obverse), Kruger Pond (Obverse) and the Veld Pond (Obverse).

Reverse:-

The Pretoria City Hall where the fourth National Numismatic Convention was held.

Both obverse and reverse dies were cut from models made by T. Sasseen.

(2) Department of Prisons Medals:-

Bravery Medal

A 9Ct. Gold medal in the shape of the Cape Town Castle featuring a Cross with the Scales of Justice and a Life Belt on the obverse side with the wording "Prisons Dept. - Dept. van Gevangenis".

The Reverse side is plain with the wording "For bravery - Vir dapperheid". The dies were hand cut by J. Buisset.

Merit Medal

A Silver Medal - 38.1mm diameter.

Obverse:-

The Coat of Arms of the Republic of South Africa from a model by T. Sasseeen.

Reverse:-

Plain with the wording "For Merit - Vir Verdienstelikheid".

Faithful Service Medal

A 38.1mm Diameter bronze medal with the Prisons Coat of Arms on the obverse side and the wording "For faithful service - Vir troue diens" on the reverse side, from dies cut by J. Buisset.

All the above medals for the Department of Prisons are suspended from clasps in the form of a life belt.

(3) Suid-Afrikaanse Akademie vir Wetenskap en Kuns:-

Tienie Holloway Medal

18Ct. Gold medal - 38.1mm diameter.

Obverse:-

The head of Mrs. Tienie Holloway cut from a model by T. Sasseeen.

Reverse:-

Wreath.

(4) State Order of Merit Decoration

The decoration is made up of 18Ct. Gold and Silver stars. The centre consists of a Protea surrounded by blue enamel set in a five pointed star with a diamond set in each point. The decoration hangs from a clasp which is an R.S.A. Monogram, surrounded by a wreath of proteas. The parts of the decoration are struck from ten hand-and machine cut dies by J. Buisset.

(5) 1820 Settlers Medal:-

Medals in 9Ct. Gold, Silver & Bronze - 38.1mm. diameter.

The obverse shows a typical settlers family with all their belongings.

The reverse depicts the four British emblems viz. England (Tudor Rose), Scotland (Thistle), Ireland (Shamrock), Wales (Leek) and four South African flowers with motto "By truth and conscious will" with the dates 1820-1970.

The dies were cut from models by T. Saseen.

(6) Port Elizabeth Philatelic Society.

Medals in 9Ct. Gold, Silver and Bronze - 38.1mm. diameter

The obverse shows an 1820 Settlers family on the beach with a ship in the background and a Laurel wreath on the reverse side.

The die was hand cut by J. Buisset.

CHAPTER IV - ENGINEERING

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

In addition to the main function the section was responsible for the moving and re-establishment of several sections, necessitated by the modernisation and re-building of the Mint together with preparations for the installation of new machinery and plant in the Melting House and Die and Medal sections and the overhauling of existing machinery before reinstallation.

In these circumstances the section was hard pressed to meet the needs for the high rate of coin production during the year under review.

In the execution of the section's function the following special tasks were performed:-

1. The Mint Office was evacuated for demolition and re-established in the old Melting House scale room which was renovated and provided with male cloakroom facilities.
2. The Personnel section was moved into partitioned offices temporarily constructed in the Accounts section.
3. All the machines for the Die and Medal section and Mechanical Workshops were moved and re-erected in the new building after each machine had been scraped, cleaned and spray-painted.

With the exception of three large presses the moving of all machinery was accomplished by Mint Personnel.

4. A spray booth for the application of volatile flammable substances was manufactured for the Die and Medal section.
5. A polishing head in the Die and Medal section was converted into a scratch brush unit and equipped with rustproof water trays with provision for a permanent water supply and drainage.
6. A new 200 c.f.m. water-cooled air compressor was installed and commissioned in the new basement.
7. Toolsetters have been trained to take over the task of die chrome-plating from the electricians. The chrome-plating equipment was subsequently moved from the Laboratory to the Coinage section where improved security arrangements could be maintained as the dies now remain within the closed section.

8. Facilities for coinage die inspection were established in the Production Superintendent's office for quality control and hardness testing and the keeping of appropriate records.

9. Two Schuler minting press blank feeder bowls were converted into electronic coin counting units of robust construction with few moving parts. These are a considerable improvement on coin counting machines previously used or new machines offered. Maintenance should be minimal.

10. Four bearings were manufactured and installed in the breakdown mill as an emergency measure until the arrival of roller bearings on order.

CHAPTER V - ASSAYING

This Section is responsible for the assaying of all coinage metals and metals for the manufacture of medals. The control of all chemical processes is maintained and a considerable amount of assaying is done for the South African Police in connection with illicit gold and platinum dealings and the investigation of counterfeit coins.

The assaying of minerals is undertaken for bonafide prospectors. The following work was done by this section during the year:-

1. Precious Metal Assays:-

<u>Gold:</u>	Mint Office	338 samples	
	S.A. Bureau of Standards	<u>82</u> "	420 samples
<u>Silver:</u>	Mint Office	291 samples	
	S.A. Bureau of Standards	<u>12</u> "	<u>303</u>
	TOTAL		<u>723</u> samples

One Gold Sample and nil Silver Samples submitted for Assay by the Bureau of Standards were below standard for compliance with the Bureau's Hall Marking Scheme.

2. General Chemical Analysis:

(a) Illicit Gold Trade:

Assays on 200 exhibits in 131 Court cases were carried out for the S.A. Police, Gold Staff.

162 Pieces of gold were cast for trapping purposes.

In one case the assayer was subpoenaed to give evidence in court.

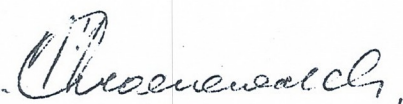
(b) Counterfeit coins:-

2,224 Pieces were handed in as alleged counterfeits of which 60 were proved to be counterfeit after investigation.

(c) Miscellaneous:-

Chemical analysis of Bronze and nickel samples:-

Bronze	5.782 copper determinations
	5.782 tin determinations
Nickel	15 nickel determinations



I.J. GROENEWALD.

DIRECTOR OF THE S.A. MINT.

/MJ