

ANNUAL REPORT

OF THE DIRECTOR OF THE SOUTH AFRICAN MINT

FOR THE YEAR 1ST APRIL, 1969, TO 31ST MARCH, 1970.

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 1969/70

I wish to submit the following report on the activities of the South African Mint during the financial year 1st April, 1969, to 31st March, 1970.

INTRODUCTION

The South African Mint was fully occupied in producing 71 million coins as against 57 million during the previous year. Of the 71 million coins 24 million were for other countries so that the production of South African coins amounted to 47 million this being some 10 million less than in the previous year.

All requirements in respect of nickel coins were met from production and reserve stock but the limited production facilities made it impossible to supply all the bronze coins required. With the considerable increase in the demand for bronze coins improved facilities are becoming urgent.

On introducing the new series of coins during 1965 it was not clear whether there would be any further need of a ½-cent piece. The old ½-cent coins were not withdrawn and a considerable surplus was experienced by the banks, so much so that some were returned to the Mint. Over the years however this surplus was taken up and during the year it was found necessary to issue a new ½-cent coin. The new ½-cent has a weight and size graded in accordance with the new series of coins. The old larger half-cent coins are not being withdrawn and are being supplemented by the new coins.

Revenue from the sale of currency coins amounted to R3,763,612 which is an increase of R1,559,791 while the revenue from coins for collectors decreased by R55,643 to R619,179. The sale of alloys obtained from withdrawn silver coins realised R551,613 while bullion obtained from withdrawn coin and taken on charge amounted to a further R357,221. Sundry services and sales of metals for industrial purposes realised R3,084,070.

The nett profit for the year increased by R603,763 to R3,246,929.

The Minting of one million silver One Rand coins commemorating the

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late Dr. T.E. Dönges was completed and although most were issued it was found that these coins do not circulate and appear to have become collector's pieces.

With the introduction of the 1970 coins the image of Jan van Riebeeck which appeared on the obverse of all circulating coins, is being replaced by the coat of arms of the Republic of South Africa. The obverse inscription now also appears in both official languages on each coin and there will no longer be two different coins in each denomination, a change which will no doubt be welcomed by coin collectors.

Construction work on the first phase of the modernisation programme is proceeding and this will result in the establishment of the much needed new smelting and blank annealing and cleaning facilities.

CHAPTER I - FINANCIAL

COMBINED MANUFACTURING, TRADING AND PROFIT AND LOSS ACCOUNT FOR THE YEAR ENDED 31 MARCH, 1970.

1968/69 R		R	1969/70 R
	EXPENDITURE:		
380,850	Work in progress, 1 April, 1969	535,456	
865,535	Stock of coins o/h on 1 April, 1969 at cost	1,191,673	
1,246,385			1,727,129
486,609	Working expenses		451,559
	Bullion used:-		
1,026,818	For coining	1,730,664	
2,409,694	For sale	2,458,774	
3,436,512			4,189,438
6,447	Metals used for alloys		4,518
209,130	Premium included in price of gold		295,051
66,992	Provision for depreciation and interest on capital		50,730
30,689	Sundry non-vote expenses		34,059
-	Reduction granted i.r.o. depreciation interest and sundry non-vote expenses on coining of foreign bronze coins		39,740
R5,482,764			R6,792,224
	Less		
-	Value of new coins issued in replacement of old coins withdrawn (at cost)	330,158	
1,191,673	Stock of coins o/h on 31 March, 1970 (at cost)	1,302,776	
535,456	Work in progress on 31/3/70	30,524	
1,727,129			1,663,458
R3,755,635	Value of sales		R5,128,766
	Receipts:-		
2,203,821	Sale of currency coin	3,763,612	
674,822	Sale of proof and collectors' coin	619,179	
-	Sale of alloys of old silver coins withdrawn from circulation	551,613	
317,023	Value of bullion taken on charge from old silver- and bronze coins withdrawn from circulation	357,221	
3,203,135	Sundry services and sales of bullion for industrial purposes	3,084,070	
6,398,801			8,375,695
3,755,635	Less Value of sales		5,128,766
R2,643,166	Nett profit for year		R3,246,929

SOUTH AFRICAN MINT

BALANCE SHEET AS AT 31 MARCH, 1970

31 March, 1969 R		R	31 March, 1970 R
	LIABILITIES		
686,098	Capital as at 1 April, 1969	676,411	
11,416	Additions during year	2,450	
697,514		678,861	
21,103	Sales and depreciation written off	52,242	
676,411	Balance as at 31 March, 1970		626,619
-	Working capital - Balance on 31.3.70		290,106
743,309	Sundry creditors		265,183
1,770,090	Rand Refinery, Ltd. - for gold deposited at statutory price		805,958
3,575 000	Treasury advances - for purchase of bullion		3,075,000
19,948	Advance payments by customers		16,450
R6,784,758			R5,079,316

R		R	R
	ASSETS		
808,424	Buildings at cost	809,694	
1,270	Additions during year	-	
809,694		809,694	
566,840	Less Depreciation	569,268	
242,854	Value as at 31 March, 1970		240,426
2,638,913	Machinery and equipment at cost	2,649,059	
10,146	Additions during year	2,450	
R2,649,059		R2,651,509	
2,233,502	Less Depreciation	2,283,316	
415,557	Value as at 31 March, 1970		368,193
18,000	Land		18,000
-	Stores stock		54,862
31,940	Sundry debtors		166,806
1,486,043	Gold bullion o/h (including bullion in coin in stock		735,519
3,540,473	Other bullion o/h (including bullion in coin in stock		2,943,733
356,743	Stock of coin o/h (excluding bullion) at cost ...		216,302
211,550	Work in progress at cost		30,524
-	Working suspense accounts		4,867
481,598	Cash with paymaster-general		300,084
R6,784,758			R5,079,316

1. The sale of currency coin for the year, compared with the previous year, was as follows:-

	1969/70	1968/69
Silver coin	77,630	-
Nickel coin	3,142,552	1,806,201
Bronze coin	543,430	397,620
	R3,763,612	R2,203,821

2. During the calender year 1969 the Dönges Silver Rand was minted, of which a total of 729,114 pieces were issued to the banks, 77630 against payment at face value and 651,484 in replacement of silver and bronze coins which were withdrawn from circulation.

3. The demand for nickel and bronze coins showed a marked increase due to the depletion of the surplus stocks of coins held by banks as a result of an over estimation of requirements during the change-over to the new coin series during 1965-1966.

4. In addition to the coins which were sold to the banks, new coins were also issued in replacement of the following coins which were withdrawn from circulation, at face value:-

	1969/70	1968/69
	R	R
Silver coins	776,188.75	312,502.00
Bronze coins	19,300.00	34,605.00
	R795,488.75	R347,107.00

5. The decrease of R55,643 in the sale of proof and collectors' coins, compared with 1968/69, is mainly due to the decrease in the number of proof and uncirculated coin sets as well as gold coins which were sold during the year under review, as compared with the previous year, as is shown in the following table:-

	1969/70		1968/69	
	Quantity	Value	Quantity	Value
Long sets @ R25.00 each	6000	R150,000.00	6015	R150.375.00
Long sets @ R16.50 each	2354	38,841.00	2951	48,691.50
Long set @ R15.50 each	1	15.50	2	31.00
Short sets @ R10.00 each	3714	37,140.00	4280	42,800.00
Short sets @ R3.50 each	4068	14,238.00	2076	7,266.00
Short sets @ R2.85 each	3	8.55	6	17.10
2 Gold coin sets @ R20.00 each	430	8,600.00	452	9,040.00
2 Gold coin sets @ R12.75 each	10	127.50	58	739.50
R2 gold @ R7.40 each	7778	57,557.20	8212	60,768.80
£1 gold @ R12.50 each	1	12.50	2	25.00
R1 gold @ R3.50 each	8554	33,788.30	9425	35,439.40
£½ gold @ R8.50	1	8.50	2	17.00
Krugerrand (Gold) @ R35.00 each	5641	197,435.00	-	-
Krugerrand (Gold) @R31.00 each	723	22,413.00	7474	231,694.00
Uncirculated coin sets @ R3.00 each	18499	55,497.00	28,499	85,497.00
Sundry loose coins @ face value	-	3,497.32	-	2,420.92
TOTAL PROCEEDS		R619,179.37		R674,822.22

6. During the year 462,442.90 oz (troy) fine weight of 500 standard silver alloy held in stock, was sold for an amount of R551,613. There was no sale during the previous year.

7. In addition 320,152.77 oz (troy) fine weight of silver bullion and 41,489.38 lbs. of bronze bullion were taken into stock from old silver and bronze coins withdrawn from circulation, compared with 307,618.96 oz (troy) fine weight of silver bullion in the previous year. The value of the bullion was as follows:-

	1969/70	1968/69
	R	R
Silver	346,848.63	317,023.47
Bronze	10,372.34	-
	R357,220.97	R317,023.47

These alloys will also be disposed of by sale in due course or be used for coinage purposes.

8. Old half cent coins to the value of R6,030, which were previously withdrawn from circulation, were re-issued to the banks due to the demand for half cent coins and because the new half sent coins could not be minted in time. Old half cents to the value of R22,050 were re-issued during the previous year. During the year under review 3,481,905 half cent pieces were also minted from the 1964 dies for distribution to the banks, of which 3,480,004 pieces were issued as well as 5,254,712 new 1970 cents of which 1,841,046 pieces were issued.

9. The sale of sundry products, services and gold and silver for industrial purposes realised R3,084,070 during the year under review, as against R3,203,135 during the previous year. The decrease of R119,065 was mainly due to the striking of the Chris Barnard snd J.B.M. Hertzog comemorative medals in gold during 1968/69, which was responsible for R83,516.20 in the proceeds for that year. The sale of Badge and Medal products rendered R47,099,92 during 1969/70, as compared with R123,997.84 during 1968/69. The particulars of the sales, as compared with the previous year, are as follows:-

	1969/70	1968/69
	R	R
Sale of badge and medal products and gold and silver	2,857,952	2,991,296
Gold coins manufactured for the Chamber of Mines	20,600	16,400
Coins for other countries	205,518	195,439
	R3,084,070	R3,203,135

10. The nett profit for the year amounted to R3,246,929 as compared with R2,643,166 for the previous year. The increase of R603,763 can mainly be ascribed to the increased demand for currency coins by the banks and to the sale of 500 standard silver alloy out of stock.

CHAPTER II - ADMINISTRATION

A. MINT OFFICE:

The Mint Office is responzible 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 ½% is paid to the Rand Refinery Ltd.) The basic price of Industrial gold varied between R25.30 and R30.74 per fine oz. plus 1%.

The preparation charge of granules and dental gold remained unchanged.

Gold coins:

A total of 16,000 gold proof coins (8,000 of R2 and 8,000 of R1 coins) were struck for sale in 7,000 proofsets of 9 coins (R2-1c) and 1,000 proofsets of 2 coins (R2-R1).

In addition to the above 10,029 non-proof R2 coins, 10,000 non proof R1 coins and 10,000 Krugerrand coins were minted for sale, as well as 100,000 R2 coins, and 20,000 Krugerrand coins for the Chamber of Mines of South Africa.

Gold transactions:

There was a decrease in the total weight of gold transactions as compared with the previous year.

Weight of Gold transactions in 1969/70 compared with 1968/69:

	1969/70	1968/69
Received from the Rand Refinery Ltd.....	95,898.10	142,549.73
Granulated and dental gold sold	83,452.42	84,246.28
Medals, wire and sheet gold sold	267.37	2,570.74
Weight of R2, R1, Krugerrand	16,376.54	19,430.21
Transferred to Die & Medal Section	825.65	6,465.79
Received from Die & Medal Section	-	213.75
Transferred to Coinage Section	-	48,115 .36
Received from Coinage Section	-	19,660 .59
Transferred to Chamber of Mines	29,000.08	-
	225,820.16	323,252.45

2. SILVER:

Weight of Silver transactions converted to fine ozs. troy:

	1969/70	1968/69
Bought from Rand Refinery Ltd. and Sundry persons	201,650.85	1,400.95
Coin withdrawn from circulation 500 Std., 800 Std.	320,152.77	242,659.31
Granules and strip sold	319,955.11	283,308.66
Medals & other items sold	4,947.29	4,456.22
Issues to Coinage Section	-	49,622.63
Received from Coinage Section (not coin)	-	5,529.80
Coin received from Coinage Section	213,528.17	257,872.75
Issues for various alloys	4,125.31	6,364.15
	1,064,359.50	851,214.47

Purchase of Silver:

No purchases were made during the financial year.

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. The average price was R1.28 per fine oz.

Withdrawal of 500 Std. and 800 Std. Silver coin for remelting:-

During the year silver coins to the value of R776,188.75 were withdrawn from circulation.

Silver Alloy Sold:-

During the year 462,442.90 ozs. fine weight of 500 Std. and 800 Std. silver alloy held in stock, was sold by tender for an amount of R551,613.

3. NICKEL

Weight of nickel in lbs. avoirdupois:

	1969/70	1968/69
Blanks purchased for coinage	111,598.71	135,154.54
Weight of coins received	142,925.07	185,779.93
Transferred to Die & Medal Section	27.58	-
	254,551.36	320,934.47

4. NON-FERROUS METALS:

The following are the receipts of and the transactions in non-ferrous 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.

Receipts of non-ferrous metals (in lbs. avoirdupois):-

Copper	Brass	Total
350,435.00 lb.	-	350,435.00 lb.

Non-Ferrous Metals Transactions:

Issued to Coinage Section for Silver Coin	-
Weight of bronze issued to Coinage Section	219,218.11
Weight of bronze coin received from Coinage Section	414,083.09
Weight of cupro-nickel issued to Coinage Section	13,087.03
Weight of Cupro-nickel received from Coinage Section	12,479.14
Weight of Metals for various alloys	1,260.61
	660,127.98

Withdrawal of bronze coin:

During the year coin to the value of R19,300.00 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 1969/70	Receipts from Coinage Section 1968/69	Issued to Banks etc. during 1969/70	Issued to Banks etc. during 1968/69
GOLD:				
2 Rand	36,058.00	42,038.00	33,146.00	35,380.00
1 Rand	18,000.00	20,360.00	17,349.00	18,450.00
SILVER:				
1 Rand	554,109.00	616,521.00	766,889.00	45,990.00
NICKEL:				
50c	870,568.00	1,670,854.00	1,327,406.00	866,025.00
20c	6,020.60	26,590.40	779,950.20	8,791.40
10c	572,330.50	64,358.50	632,470.70	276,402.20
5c	501,988.20	984,093.20	417,734.85	901,199.50
BRONZE:				
2c	186,767.38	209,067.04	322,494.26	221,880.04
1c	142,308.04	222,317.77	248,446.99	192,940.35
½c	26,273.56		26,605.23	
	2,914,423.28	3,856,199.91	4,572,492.23	2,567,058.49

6. PROOFSETS:

The Mint made 7,000 nine-coin proofsets (R2 - 1c), 1,000 gold proofsets (R2 - R1) and 5,000 seven coin proofsets (R1. - 1c)

7. COINS MANUFACTURED FOR OTHER COUNTRIES:

Rhodesian Coin

½c	R50,000
1c	R100,000
2½c	R100,000

8. PACKING AND DESPATCH SECTION:

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

	1968/69	1969/70
Parcels despatched by Post	19,960	17,784
Parcels, other than coin, despatched by rail	43 (1956 lb.)	52 (2766.1b.)
Boxes of coin despatched by rail	1,715 (226,419 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 1970	Personnel 1970	Posts 1969	Personnel 1969
a) Administrative	6	6	6	6
b) Professional	2	2	2	1
c) Technical	7	7	7	9
d) Clerical	13	6	13	10
e) General Divisions A & B, excluding items (g) to (i)	18	13	18	13
f) Temporary employees against posts under items (a) - (e)	-	8	-	9
g) Special Craftsmen	6	6	6	6
h) Artisans and Toolmakers	9	5	9	6
i) Male Operators	11	12	11	13
j) Apprentices	2	1	2	1
k) Woman Operators & Supervisors	35	38	35	38
l) Security Officers	6	5	6	6
m) Bantu Guards and Bossboys	13	13	13	13
n) Bantu Messengers and Female Cleaners	8	8	8	8
o) Bantu and Coloured Labourers	71	75	71	70
TOTAL	207	205	207	209

As result of resignations there was a decrease of 4 in personnel whereas the number of posts remained unchanged. 7 Additional temporary employees were in service at the end of the year against 2 in the previous year as a result of an increase in the number of temporary employees who are employed additional to the basic establishment on increased production.

2. PERSONNEL TURNOVER:

Appointments 62
Resignations 66

3. POST STRUCTURAL CHANGES:

The number of authorised posts remains unchanged at 207 with additional temporary posts at an approved scale on increased production of more than the accepted basic annual production.

4. PERSONNEL CHANGES:

i) Mr. W.A.G. Kotze was promoted to Senior Accountant from the 1st October, 1969.

ii) Mr. H.S. Lombard was promoted to Senior Professional Officer from the 20th November, 1969.

iii) Miss M. McDonald was promoted to Assistant Accountant from the 1st October, 1969.

iv) Mr. A.F. Scholtz was promoted to Assistant Accountant from the 1st October, 1969.

v) Mr. W. Kuyper, Production Superintendent, retired on the 28th February, 1970.

C. MINT MUSEUM AND LIBRARY

1. The following gifts were received:-

FROM	ITEM
The Director, Austrian Mint	One proof 50 shilling commemorative coin and one proof 25 shilling commemorative coin.
The Director, Portugese Mint, Lisbon	Two proof 50 escudoes commemorative coins.
The Director, Osaka Mint, Japen	One set of fine uncirculated coins (100 yen, 50 yen, 10 yen, 5 yen and 1 yen).

2. Gifts made by the S.A. Mint:-

TO	ITEM
The Directors of the following Mints - Argentine, Australia, Austria, Belgium, France, Italy, Japan, Netherlands, Portugal, Spain, Switzerland, Sweden, United States of America, West Germay.	Two Dr. T.E. Dönges silver R1 commemorative coins
International Criminal Police Organisation, INTERPOL	One 1965 Proofset of seven coins, one 1966 proofset of seven coins, two 1967 R1 silver coins, two 1968 coins of each denomination from 50c to 1c, two 1969 R1 silver coins.
Smithsonian Institution Washington D.C.	One 1967 Gold Proofset and one 1968 Krugerrand

3. VISITORS

During the year 734 people visited the Mint of which 46 were visitors from other countires and 289 were children. As a result of the modernisation of the Mint the visitors had to be curtailed.

CHAPTER III - PRODUCTION

1. MELTING SECTION:-

The following schedules show the melting activities in this section during the year:-

Gold:-

Fine Gold granules	15,375.45 ozs.
22 Ct. Gold granules	37,826.90 ozs.
18 Ct. Gold granules	3,746.58 ozs.
9 Ct. Gold granules	15,047.93 ozs.
22 Ct. Gold for Die & Medal	-
18 Ct. Gold for Die & Medal	2,335.02 ozs.
9 Ct. Gold for Die & Medal	2,748.20 ozs.
22 Ct. Gold for Chamber of Mines	298,767.05 ozs.
22 Ct. Gold for Coinage	22,348.50 ozs.
Mixed Gold bars for Mint Office	1,801.62 ozs.
Total	399,997.25 ozs.

Silver:-

800 Std. Silver for Coinage	294,841.71 ozs.
800 Std. Silver for Die & Medal	46,588.65 ozs.
Fine Silver for Die & Medal	-
Fine silver granules	303,817.44 ozs.
	645,247.80 ozs.

800 Std. and 500 Std. coins remelted — NIL

Bronze:-

Coinage bronze melted — 830,535.00 lbs.

2. ROLLING SECTION -

The production in this section was

(a) Bars rolled and blanked

800 Std. Silver	258,808.27 ozs.
22 Ct. Gold	165,895.71 ozs.
Total	424,703.98 ozs.
Coinage bronze	829,980.00 lbs.
Cupro Nickel	43,353.00 lbs.

(b) Blanks cleaned and annealed

800 Std. Silver	1,193,895 Pieces
Std. Gold (Krugerrand, R2 & R1)	35,890 Pieces
2c, 1c and ½c Bronze	35,752,864 Pieces
Total	36,982,649 Pieces

(c) Blanks cleaned

Nickel (50, 10c & 5c)	21,510,099 Pieces

3. COINAGE SECTION:-

(a) Coinage Production:

The number of coins minted during the year amounted to 71,078.531 pieces as reflected in the following schedule:-

COIN PRODUCTION

Denominations	Bars cast ozs.	Bars rolled ozs.	Blanks coined ozs.	Good coins produced 1969/70 No. of pieces	Good coins produced 1968/69 No of pieces
GOLD					
Krugerrand	64,542.20		10,914.93	10,000	40,077
R2			4,630.24	18,029	221,020
R1			2,320.08	18,000	120,360
TOTAL	64,542.20		17,865.25	46,029	381,457
800 STD. SILVER					
R1	294,841.71	258,808.27	226,910.21	554,109	616,521
TOTAL	294,841.71	258,808.27	226,910.21	554,109	616,521
NICKEL					
50c			606,858.51	1,741,136	3,341,708
20c			5,815.59	30,103	132,952
10c			659,327.65	5,723,305	643,585
5c			812,322.12	10,039,964	19,681,864
TOTAL			2,084,323.87	17,534,508	23,800,109
BRONZE	LBS.	LBS.	LBS.		
2c)	830,535.00	829,980.00	81,805.10	9,338,369	10,453,352
1d)			94,067.10	14,230,804	22,231,777
½c)			23,003.76	5,254,712	
TOTAL	830,535.00	829,980.00	198,875.96	28,823,885	32,685,129
BRONZE		LBS.	LBS.		
Rhod. 1c			148,840.60	10,000,000	
Rhod. ½c			66,368.29	10,000,000	
TOTAL			215,208.89	20,000,000	
CUPRO NICKEL		LBS.	Ozs.		
Rhod. 2½c		43,353.00	181,987.51	4,000,000	
TOTAL		43,353.00	181,987.51	4,000,000	
CHAMBER OF MINES	OZ.	OZ.	OZ.		
Krugerrand			21,821.14	20,000	
R2			25,673.38	100,000	
TOTAL			47,494.52	120,000	
GRAND TOTAL				71,078,531	57,483,216

(b) Proofsets:

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

SOUTH AFRICAN

(a) Gold Proofset (R2 & R1)	1,000 sets
(b) Long Proofset (R2 & R1 Gold, R1-1c)	7,000 sets
(c) Short Proofset (R1-1c)	5,000 sets
	13,000 sets

4. DIE & MEDAL AND GENERAL PRESS SECTION:

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

Coinage Dies	3514 Units
Dies for medals etc.	76 Units
Medals and badges	17,240 Units
Gold jeweller's articles	64 Units
Silver jeweller's articles	765 Units
Sundries Die & Medal	1,591 Units
General Press	28,538 Units
Defence medals stamped	1,562 Units
	53,350 Units

2. Dies were manufactured for the following new Coin Designs:

Change in obverse design of South African coins

The effigy of Jan van Riebeeck was replaced by the Coat of Arms of the Republic of South Africa on the obverse sides of the R1-1c range of South African coins - modelled by Mr. T. Sasseen.

New South African ½c Coin

Diameter	16.257 mm.
Thickness	1.625 mm.
Weight	2 gm.
Metal	Bronze

Obverse:-
The Coat of Arms of the Republic of South African as modelled by Mr. T. Sasseen.

Reverse:-
Two sparrows - as on the 1c

Rhodesian 1c and ½c

	1c	½c
Diameter	22.428 mm	20.218 mm
Weight	4. gm.	3 gm.
Metal	Bronze	Bronze

Obverse:-

The Coat of Arms of Rhodesia as modelled by Mr. T. Sasseen.

Reverse:-

A wreath of Flame Lily leaves and flowers as designed and modelled by Mr. T. Sasseen.

Rhodesian 2½c

The coin has the same dimensions as the old Rhodesian tickey (3d), but the obverse design was re-modelled by Mr. T. Sasseen in the Coat of Arms of Rhodesia.

The reverse design is the same as the 1968 tickey except that the 3d was replaced by 2½c.

The following new medals were produced:-

1. Suid-Afrikaanse Akademie vir Wetenskap en Kuns - Markus Viljoen-Medalje:-

18 Ct. Gold medal - 38.1 mm diameter

Obverse:-

The head of the late Markus Viljoen as modelled by Mr. J. Buisset.

Reverse:-

Laurel wreath with inscription - Toegeken aan:-
Deur:- Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns

Frans du Toit-Medalje:-

18 Ct. Gold - 38.1 mm diameter

Obverse:-

The head of the late Frans du Toit as modelled by Mr. J. Buisset.

Reverse:-

The same as the Markus Viljoen-Medalje.

Cuff Links:-

Special cuff links were made for the Akademie with their Coat of Arms as motif. The die was cut by Mr. A. Sutherland.

Witwatersrand Agricultural Society 75th Anniversary Medals:-

2" Diameter 18 ct. Gold medal with obverse featuring an Afrikander Bull as modelled by Mr. A. Sutherland. A $1\frac{1}{2}$" diameter Die was hand-cut by Mr. A. Sutherland for 9 ct Gold, Sterling Silver and Bronze medals with a design symbolising "illumination" with the figure 75 in the centre.

The reverse has a laurel wreath design.

Municipality of Cape Town:-

Bravery Medal:-

Sterling Silver - 2" diameter with Cape Town Coat of Arms on the obverse side and a plain reverse.

CHAPTER IV - ENGINEERING

During the year under review the Engineering Section was mainly engaged in the maintenance of production machinery and plant in the Melting House, Rolling Room and Coinage Sections.

With a steep increase in coin production the manufacture of tooling for minting and blanking presses as well as marking and counting machines has reached a new peak.

The section's efficiency was again hampered by a shortage of skilled personnel.

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

1. All pitfires in the Melting House were completely re-built and lined with firebrick.

2. The Southern Section of the Laboratory, comprising more than 50% of floor area previously occupied by this section, was evacuated and all equipment in the furnace - and weighingrooms was re-erected in the remaining portion of the Laboratory building. This change was necessary to enable the building contractor to proceed with demolition work under the second phase of the modernisation programme currently under way.

This has resulted in difficult working conditions for the Laboratory staff due to dust emanating from adjoining demolition and rebuilding work as well as lack of space.

3. Impending demolition work has also necessitated the relaying of an electric power cable along the Northern section of the Mint roof for power supply to the Melting House, Laboratory and Die and Medal Section.

4. In order to make room for a new high tension sub-station in the South-Eastern corner of the premises, a portion of the old low-tension sub-station was evacuated and essential switchgear re-erected in the remaining portion of the building.

A new drain sump was built here and equipped with pump and automatic level control apparatus.

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:-

Gold:	Mint Office	292 samples	
	S.A. Bureau of Standards	148 "	440
Silver:	Mint Office	210 samples	
	S.A. Bureau of Standards	20 "	230
	TOTAL		670 samples

Three Gold Samples and nil Silver samples submitted for Assay by the Bureau of Standards were below standard.

2. General Chemical Analysis:

(a) Illicit Gold Trade:

Assays on 228 exhibits in 166 Court cases were carried out for the S.A. Police, Gold Staff.
165 Pieces of gold were cast for trapping purposes.

In three cases the assayer was subpoenaed to give evidence in court.

(b) Counterfeit coins:-

183 Pieces were handed in as alleged counterfeits of which 169 were proved to be counterfeit after investigation.

(c) Miscellaneous:-

Chemical analysis of Bronze and nickel samples:-

Bronze	5,287 copper determinations
	5,287 tin determinations
Nickel	60 nickel determinations

DIRECTOR OF THE S.A. MINT

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