

# POST OFFICE ANNUAL REPORT 1964-1965



**ANNUAL REPORT**  
**of the**  
**POSTMASTER GENERAL**  
**of the**  
**REPUBLIC OF SOUTH AFRICA**  
**for**  
**1964-65**

THE GOVERNMENT PRINTER. PRETORIA

# *Contents*

	PAGE
Foreword.....	iv
Financial Activities of the Post Office....	1
Investment Facilities.....	2
Financial Services Rendered on behalf of Other Government Departments.....	3
Conferences Abroad.....	3
Staff.....	3
Postal.....	5
Telecommunications.....	9
Post Office Terminology Committee....	14
Motor Transport.....	15
Organisation and Methods.....	16
Public Relations.....	16
Engineering Division....	17
Statistical Tables.....	21
Post Office Organisation Chart.....	42



Dr. the Honourable A. Hertzog, Minister of Posts and Telegraphs since 23rd October, 1958.



Mr. M. C. Strauss Postmaster General.

## *Foreword*

This report records the more important achievements of the South African Post Office during the last full year of office of my predecessor, Mr. A. J. Botes, who retired on the grounds of superannuation at the end of October, 1965, after serving as Postmaster General for a period of some seven and a half years.

On me the honour has fallen of being appointed as Head of the Department as from 1st November, 1965. Because of the vital role that the Post Office plays in the maintenance and development of cultural, social and economic ties both in the Republic and in the international field, I am deeply conscious of the magnitude of my responsibilities towards the State and the people. To the responsibilities and to the further advancement of the Post Office and its services I shall, like my predecessor, devote my full time and energy.

This report is issued during the year in which the South African Republic is celebrating its fifth anniversary. We look back with pride and gratification on our own contribution towards the country's growth during these past five years. At the same time we are planning for even greater things to come. Technological developments in the sphere of both telecommunications and mail handling continually open new visions and are being studied closely with a view to their exploitation where it is in our interests to do so.

Within the framework of our resources we are vigorously proceeding with our task of providing more and improved services. The linking of all our major cities through the medium of microwave systems to replace and supplement existing open wire carrier routes is well advanced and the stage is set for the extension of direct subscriber dialling on a national scale. Our training procedures have been overhauled to enable us to obtain the maximum productivity from our available labour resources. Preparatory work on the laying of a multichannel submarine cable to Europe has commenced and the first mechanized mail sorting machine is on order. Automation studies of our accounting system are well on their way.

In the nature of things heavy demands are made on the Department and its officers, from the highly qualified engineer or the occupier of one of the many managerial posts to the lowliest worker. We are fortunate in having in our service thousands of able and devoted officers whose main ideal is to serve and serve well. Through their labours and enthusiasm the task of management is considerably lightened and we are grateful to them.

Whilst in this publication much is contained to show Post Office progress during this one financial year, it is worthy to mention the tremendous growth in some fields. For example, no less than 59,317 additional telephone services were provided. The number of telephone trunk lines increased by 1,353. Over 1,973 miles of new farm line routes were constructed. Three manual exchanges were converted to automatic working and four new automatic exchanges were provided. Post Office turnover rose to R652,607,072.

Naturally we should have been pleased to have been able to report even greater progress. We realize that there are shortcomings. We realize too that much remains to be done to enable us to keep proper pace with the Republic's phenomenal development and the progressively increasing demands for the services falling within the sphere of our responsibilities.

There are obstacles which have for many years confronted the Department and which, unfortunately, it still faces. Post Office progress and the efficiency of its services are inevitably governed by the availability of adequate funds, suitable buildings and trained staff in sufficient numbers. For telecommunication develop-

ment especially, large sums of money are needed and will continue to be needed for many years. We appreciate, however, that there are many other urgent projects of national importance requiring heavy capital outlay and that under the present financial system, the claims of the Post Office, important and urgent as they are, can only be considered in conjunction with those of other Government Departments.

We are indeed grateful to have been able to retain Dr. the Honourable A. Hertzog as our Minister in the recently reconstituted Cabinet. Under his able and energetic guidance we look forward to big development.

*M. G. Stanes*

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21 April, 1966.

*Postmaster General.*

# FINANCIAL ACTIVITIES OF THE POST OFFICE

## Profit and Loss

The Post Office commercial account showed an overall profit of R17,681,364 for the year under review. This was some R4,000,000 higher than the profit of the previous year.

On both the telegraph and telephone services profits increase as the expansion continues and greater use is made of telecommunications facilities. It is significant that the telegraph service, which showed a regular loss for decades, has in the main become a profitable one in recent years, thanks mainly to improvements in technology and the extensive use of teleprinter services.

Cash expenditure on postal services once again exceeded cash revenue. Last year the excess was over one and a half million rand. This year it was reduced to some R47,000. When taking into account the value of free postal services to Government Departments, however, there was a profit on the postal side as well.

## Revenue and Expenditure (Cash Transactions)

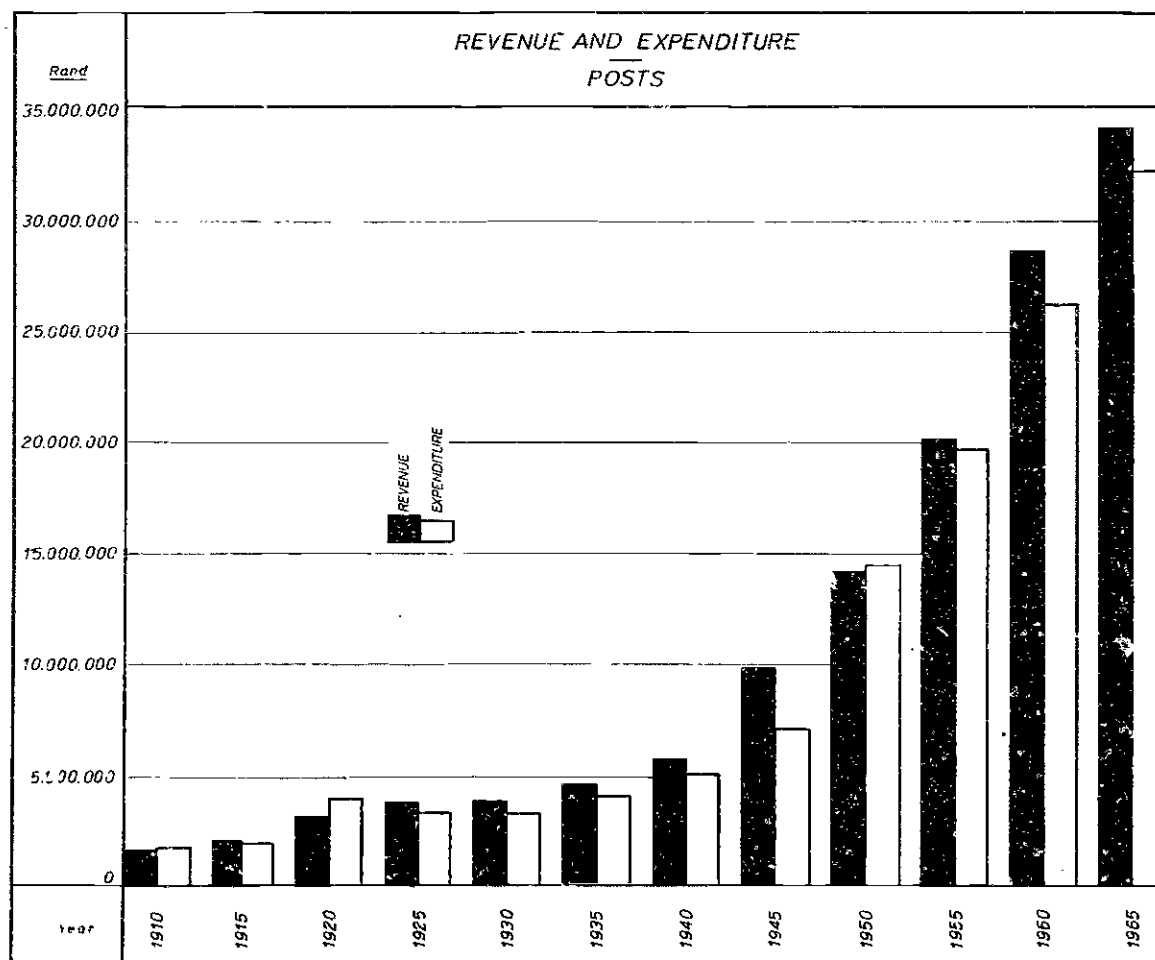
The volume of and the continued increase in Post Office business are shown in the following comparative tables in respect of the three main services of the Department:—

### Revenue

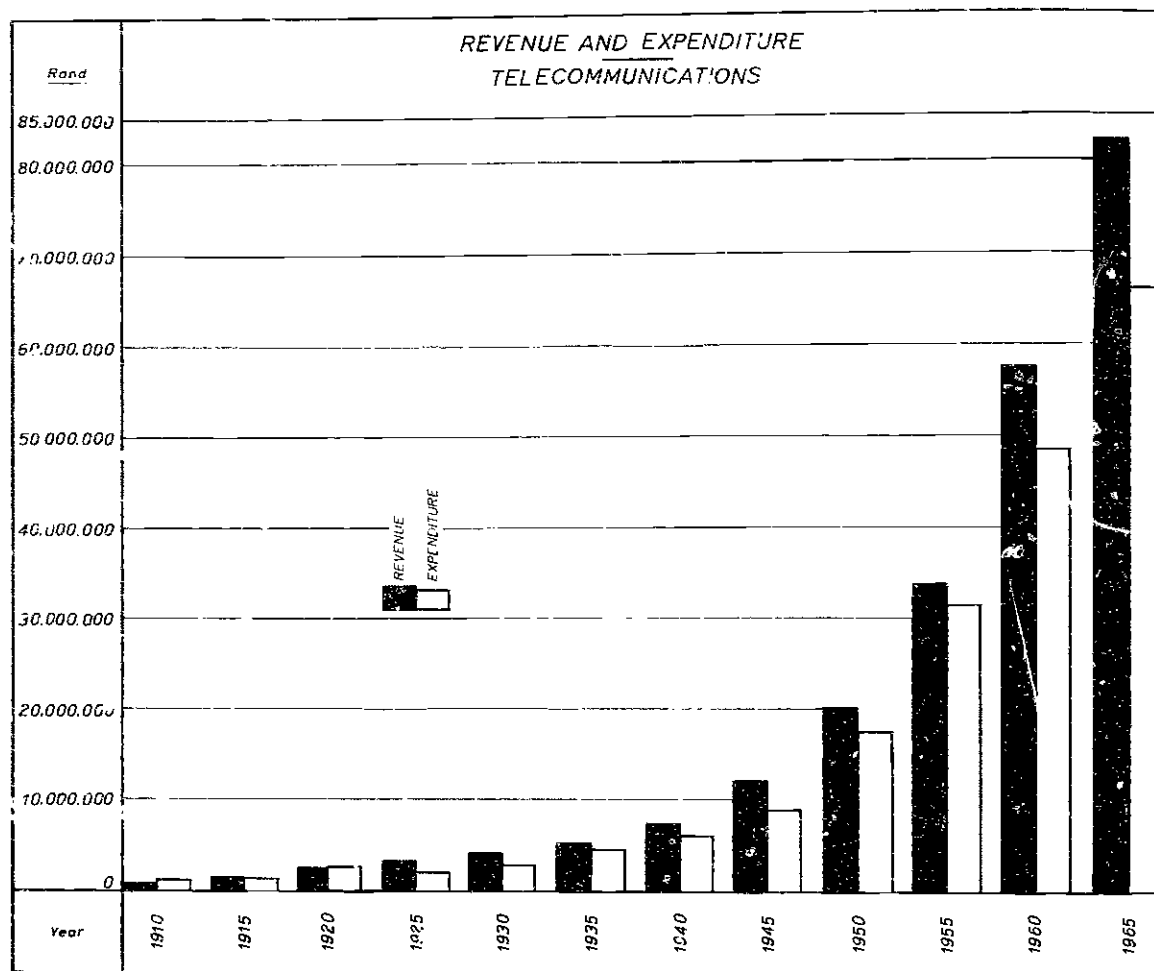
Service.	1962-63.	1963-64.	1964-65.
Postal.....	26,572,687	27,078,884	28,780,093
Telegraphs.....	7,479,941	8,734,917	9,810,371
Telephones.....	56,674,436	61,695,806	67,656,475
<b>TOTAL.....</b>	<b>90,727,064</b>	<b>97,509,607</b>	<b>106,252,944</b>

### Expenditure

Service.	1962-63.	1963-64.	1964-65.
Postal.....	25,552,972	28,643,574	28,827,311
Telegraphs.....	6,285,304	6,738,907	7,027,216
Telephones.....	31,458,637	34,750,912	37,732,195
<b>TOTAL.....</b>	<b>63,296,913</b>	<b>70,133,393</b>	<b>73,586,722</b>







### Turnover

The total turnover for the year was R652,607,072 which is 5 per cent higher than that for the previous year.

## INVESTMENT FACILITIES

### Post Office Savings Bank

During the year, 156,978 new accounts were opened, 20,079 dormant accounts revived and 170,678 accounts closed. Among the accounts closed, were 110,004 which were inactive for the past seven years, and in respect of which the balances were paid into Revenue pending enquiries by the depositors concerned. The total number of open accounts as at 31st March, 1965, was 1,791,039, a decrease of 13,700 in comparison with the total at the end of the previous year. The credit balances in depositors' ordinary accounts at the end of the year totalled R129,504,164 compared with R134,423,485 on 31st March, 1964.

On the 31st March, 1965, balances of amounts invested in Savings Bank Certificates were R6,897,400 as against R7,197,800 at the end of the previous year. Interest amounting to R3,457,396 accrued to depositors in respect of ordinary accounts and Savings Bank Certificates.

At the close of the financial year there were 1,640 post offices at which Savings Bank business could be transacted. At the end of the previous year there were 1,625.

### Union Loan and National Savings Certificates

Investments exceeded repayments by some R8,000,000. The total amount paid in interest during the year was R4,992,575.

## FINANCIAL SERVICES RENDERED ON BEHALF OF OTHER GOVERNMENT DEPARTMENTS

Financial services to the public were rendered on behalf of the following Government Departments:—

Inland Revenue  
Pensions  
Treasury  
Community Development.

Except in isolated cases, a steady increase in these services has been maintained over quite a number of years.

Details of these services appear in the comparative tables on page 27.

## CONFERENCES ABROAD

The fifteenth Congress of the Universal Postal Union was held in Vienna during May/July, 1964. The Republic of South Africa, as member of the Universal Postal Union, was represented by the Postmaster General and three other officers of the Department. The South African representatives were for the greater part of the Congress not permitted to take part in its deliberations, nor was the leader able to sign the final Acts. Subsequently, however, the South African Government adhered to these Acts which came into operation on the 1st January, 1966.

Officers of the Department also attended following conferences abroad:—

- (i) The Third Plenary Assembly of the International Consultative Committee on Telephony and Telegraphy in Geneva during May/June, 1964.
- (ii) The Fourth International Teletraffic Congress in London during July, 1964.
- (iii) The Low and Medium Frequency Broadcasting Conference in Geneva during October, 1964.

## STAFF

### *General*














The increased demands made on the Post Office, necessitated an increase of 767 in the total personnel (all grades) employed by the Department, the full complement of staff at the end of March, 1965, being 47,447. The nett gain in staff must be viewed against the background of expansion in all spheres of the Department's activities, however, and not as an indication of an improvement in the general staff position. Staff losses continued to be high and our aims for more and better post office services could not be achieved to the extent that we wished.

### *Post Office Clerks and Woman Assistants*

During the year 1,139 post office clerks and 1,175 woman assistants left the Service; the majority of the females resigned to marry.

In order to release trained personnel for the more responsible and advanced tasks, a considerable number of persons were taken into temporary and also part-time employment in the Johannesburg mail sorting office and were of great help.

Certain improvements in salaries and conditions of employment have since been made by the Government and the Department hopes that they will stimulate recruitment of permanent units.

Year	STAFF	Number
1965		47,447
1960		44,327
1955		39,140
1950		30,638
1945		20,494
1940		18,660
1935		13,273
1930	  = 1,000	13,473
1925		11,192
1920		10,469
1915		9,087
1910		7,545

### Telephone Staff

Generally speaking, sufficient female candidates were available for employment as telephonists, except in some of the large centres such as Johannesburg and Durban. Here too the insatiable demand for labour, occasioned by the country's continued economic growth, coupled with the usual high level pre-marriage resignation of female telephonists caused an inordinate staff turnover and loss of experienced personnel. To counteract the position, a number of part-time telephonists were employed at various exchanges in posts normally reserved for full-time incumbents. To attract candidates for employment in Johannesburg, the prescribed educational requirement for appointment as a Female Telephonist, was relaxed temporarily to Standard VII. In addition, the services of certain female telephonists were retained in a permanent capacity after marriage. A considerable number of married women were also employed as temporary telephonists.

The shortage of suitable male candidates continued and was particularly pronounced in centres such as Johannesburg, Durban, Pietermaritzburg, Bloemfontein and Vereeniging. To cope with the position in Johannesburg, it was necessary to augment the staff by the transfer of experienced male units. Relief was also afforded at other centres by the employment of part-time male telephonists during peak periods between 5 p.m. and 10 p.m.

The Department is grateful to have been able to train and employ 80 blind and 33 physically handicapped telephonists on small private branch exchanges serving Government Departments and Provincial Administrations.

### Uniformed Staff

In spite of improved commencing salaries, it was not possible to fill all the vacancies for postmen by Whites. To meet the position, and as a temporary emergency measure, use was made of the services of Bantu, Coloureds and Indians for the delivery of mail matter in certain areas.

### *Technical Staff*

During the year 85 pupil telecommunications technicians completed their training and were promoted to the rank of telecommunications technician. There was nevertheless a total shortage of 74 qualified technicians at 31st March, 1965.

Of the technicians recruited overseas, 7 returned to their home-countries, while the contract periods of 67 were extended and 15, having acquired South African citizenship, were appointed in a permanent capacity.

### *Workmen's Compensation*

Medical treatment was administered and compensation paid in the form of either periodical or lump sum payments, to 2,348 officers and employees of the Post Office who were injured in the course of their official duties, as against 2,254 cases during the previous year.

### *Awards*

The staff is continually encouraged to submit proposals for improving or simplifying departmental apparatus and equipment or changing existing systems or procedures, which will result in savings and promote efficiency. Nine awards for such proposals were made during the year under review.

## RECRUITING AND TRAINING

### *Post Office Clerks and Woman Assistants*

No effort was spared to stimulate the interest of school-leaving boys and girls in a career in the Post Office. Widespread publicity in all the

leading newspapers and selected magazines was undertaken. In addition, all high schools in the country were visited by departmental recruiting officers. They handed special brochures containing detailed information on every aspect of Post Office employment to school principals and vocational guidance officers.

The number of available female candidates again exceeded the demand and it was possible to apply selection as far as the appointment of woman assistants was concerned. Unfortunately, boys were not available in sufficient numbers and the quota for post office clerks, had partly to be made up with girls.

A total of 1,748 learners were admitted into training of whom 1,417 were appointed during the first quarter of 1965. Some 480 left the Service whilst still in training.

### *Technical Trainees*

As in the case of post office clerks, we tried to recruit the maximum number of boys with aptitude for technical work. Only 257 candidates were obtained as compared with 343 during the year 1963-64. A total of 124 trainees left the Service—22 more than the previous year—but the total number increased from 696 to 747.

The recruitment of learner telephone mechanics presented no problem and it was again possible to fill the quota early in the year.

## POSTAL

### *Inland Postal Services*

The volume of mail matter continued to grow. The total number of postal items handled at post offices in the Republic of South Africa increased from 1,106,600,000 during 1963-64 to 1,109,700,000 during 1964-65. Further particulars are furnished in the statistical tables elsewhere in this report.

### *Mail Transit Offices*

Inspection of mail transit offices was intensified during the year with a view to maintaining efficiency and bringing about greater co-ordination in mail working arrangements.

### *Handling of Mail Bags: Cape Town Docks*

A mail room on the roof of the "F" berth cargo store at the Cape Town Docks, with a system of overhead conveyors and chutes, was brought into use for the purpose of speeding up the landing of mail bags from the mail ships on arrival from Southampton.

### *Mechanisation*

The investigation into the economics of mechanised letter sorting in South Africa carried out by the Department's Research Section in collaboration with the Council for Scientific and Industrial Research has been completed. The

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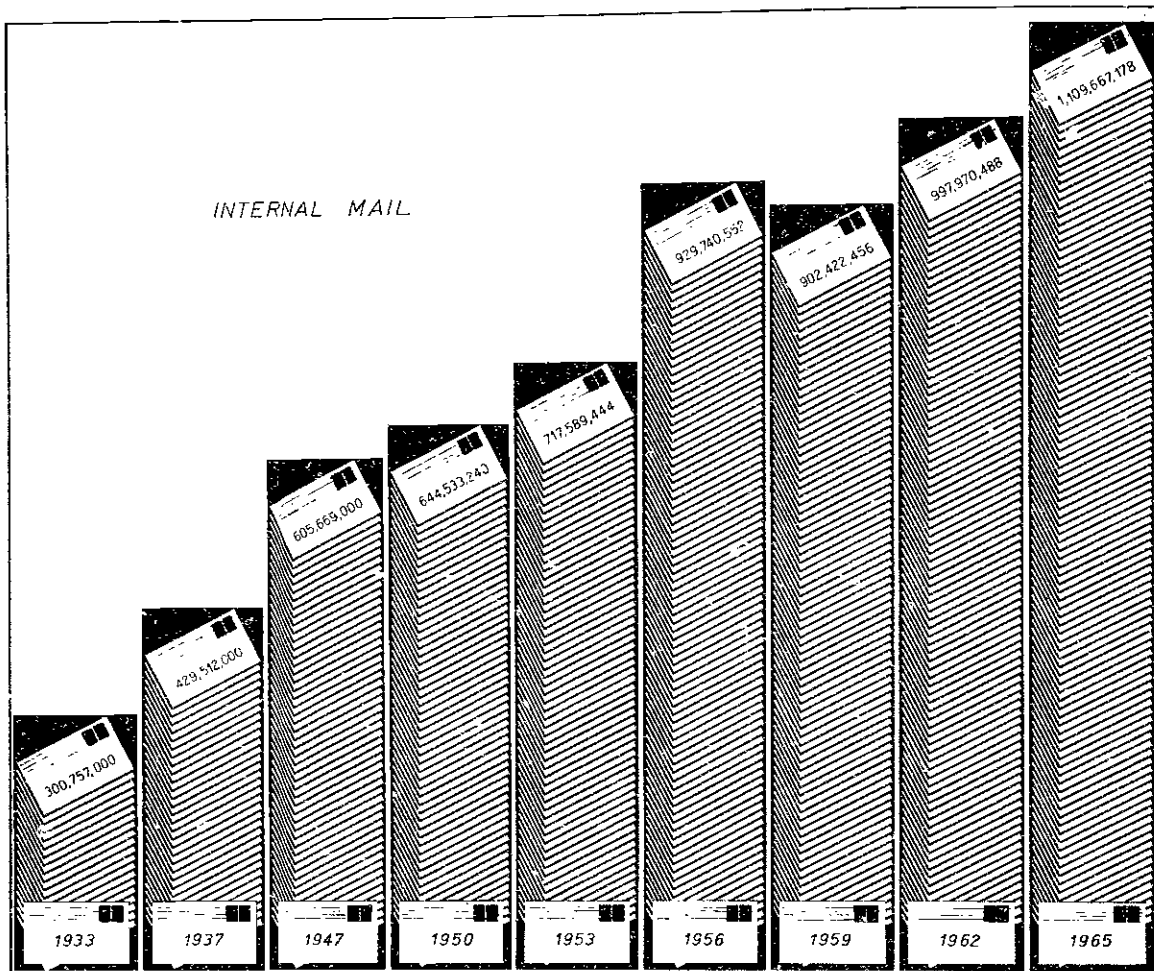
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main conclusion, drawn from cost calculations based on statistical data collected at a number of the larger sorting centres, is that mechanisation is economically justified at certain specific offices. Because of the relative inflexibilities typical of mechanised production processes, the Department decided to make a start, initially on a limited scale, with the mechanised sorting of letters. Delivery of the first sorting machine is expected in 1967.

#### *Commemorative Stamps*

On the 8th May, 1964, special 2½c and 12½c postage stamps were issued to commemorate the 75th anniversary of the South African Rugby Board. On the 10th July, 1964, a special 2½c postage stamp was issued in honour of John Calvin, who died in 1564, and on the 12th October, 1964, special 2½c and 12½c postage stamps were issued to commemorate the 50th anniversary of the South African Nursing Association.





### Insured Parcel Service

An insured parcel service between the Republic of South Africa and Mozambique was introduced

on the 1st November, 1964. The arrangement whereby parcels for Mozambique could be registered was withdrawn with effect from the same date.

Year	OVERSEAS AIR MAIL	Weight
1965		973.611
1961		797.451
1957		737.239
1954		682.383
1951		552.452
1948		455.476
1945		280.000
1942		140.000

## Air Mails

The upward trend in the weights of mail conveyed by air within and from the Republic has been maintained. The growth of the air mail traffic is shown in the following comparative table:—

Service.	1963-64.	1964-65.
	lb.	lb.
(a) All classes of air mail conveyed within the Republic and to South West Africa.....	3,112,000	3,474,000
(b) All classes of air mail despatched to countries abroad....	912,000	974,000
(c) Air parcels conveyed within the Republic and to South West Africa [included in (a) above]...	321,000	387,000
(d) Air parcels despatched to countries abroad [included in (b) above]:—		
(i) United Kingdom.....	15,900	17,800
(ii) Other countries*.....	—	3,000

\* Service commenced 1/1/65.

Until the end of 1964 the air parcel service outward from the Republic applied only to parcels addressed to the United Kingdom. Since the 1st January, 1965, however, the air parcel service has been extended to the more important countries in Europe, and to the United States of America, Canada, Australia, New Zealand and Japan.

## Buildings

Eighteen major building services at a total cost of R1,607,000 were completed during the year under review. The most important of these were new post office buildings at Hoopstad, Humansdorp, Jan Kempdorp, Kenhardt, Nigel and Noupoort, and new automatic exchange buildings at Heidelberg (Tvl.), East London, Kimberley, Parys and Somerset West. A further 19 buildings, the total estimated cost of which is R5,543,000 were under construction at the end of the financial year. Among these were new post offices at Benoni, Boksburg, Hlobane, Leslie, Maitland, Potchefstroom, Uniondale and Vanderbijlpark, and the enlargement of the G.P.O. building in Johannesburg and new automatic telephone exchanges at Bethal, Fish Hoek, George, Johannesburg (Kensington South and Robertsham) and Welverdiend.



Building operations to the west wing of the General Post Office in Johannesburg.



At the end of the financial year tenders had been accepted for the erection of new post office buildings at Leeudoringstad, Lyttelton, Meyerton, Stander-ton and Somerset East. In addition, 53 major works, the total cost of which is estimated at R5,294,100 were in various stages of planning or awaiting the invitation of tenders. For 30 of these, financial provision was made for the first time during the year under review, the remaining items having been carried forward from previous financial years. The new works include new post offices at Barkly West, Britstown, Gravelotte, Braamfontein, Kestell, Mt. Fletcher, Newcastle and Zeerust, and new automatic telephone exchanges at Aliwal North, Johannesburg (Blair-gowrie and Northcliff View), Port Shepstone and Scottburgh.

An amount of R420,000 was made available for the provision of residences for staff. Three of these and 14 other in respect of which financial provision had been made during previous financial years, were completed during the year. A further number of residences were under construction or in the planning stage.

One hundred and thirty-nine scheduled minor new works and a large number of unscheduled services of a minor nature, at a total cost of R266,893 were completed. Sixty-seven of these were undertaken by the Public Works Department.














Altogether 38 new hired buildings were put into service during the year under review.

## TELECOMMUNICATIONS

### Telephone Services

On 31st March, 1965, there were 1,058,702 telephones in use or authorised compared with

999,385 at the end of the previous financial year, an increase thus of 59,317. The number of subscribers served by means of shared telephone services decreased by 3,673 to 20,058.

Year	TELEPHONES	Number
1965		1,112,500
1960		912,700
1955		659,000
1950		423,700
1945		279,500
1940		226,200
1935		147,800
1930	  = 50,000	112,400
1925		73,200
1920		47,400
1915		33,900
1910		17,100

During the year authority was given for the erection of 1,973 miles of new wires in order to provide 4,324 applicants with farm telephone line service.

The number of farm telephone line services in use or authorised on 31st March, 1965, totalled 90,607, representing 202,350 miles of wire. The total expenditure incurred during the year on the provision of farm line telephone services, was R1,386,205 compared with R1,142,729 during 1963-64.

Notwithstanding our endeavours there were still 18,660 waiting applicants for telephone service; an increase of 4,724 over the total as at the end of the previous financial year. The number of applicants waiting for farm telephone line service was 2,467; an increase of 570.

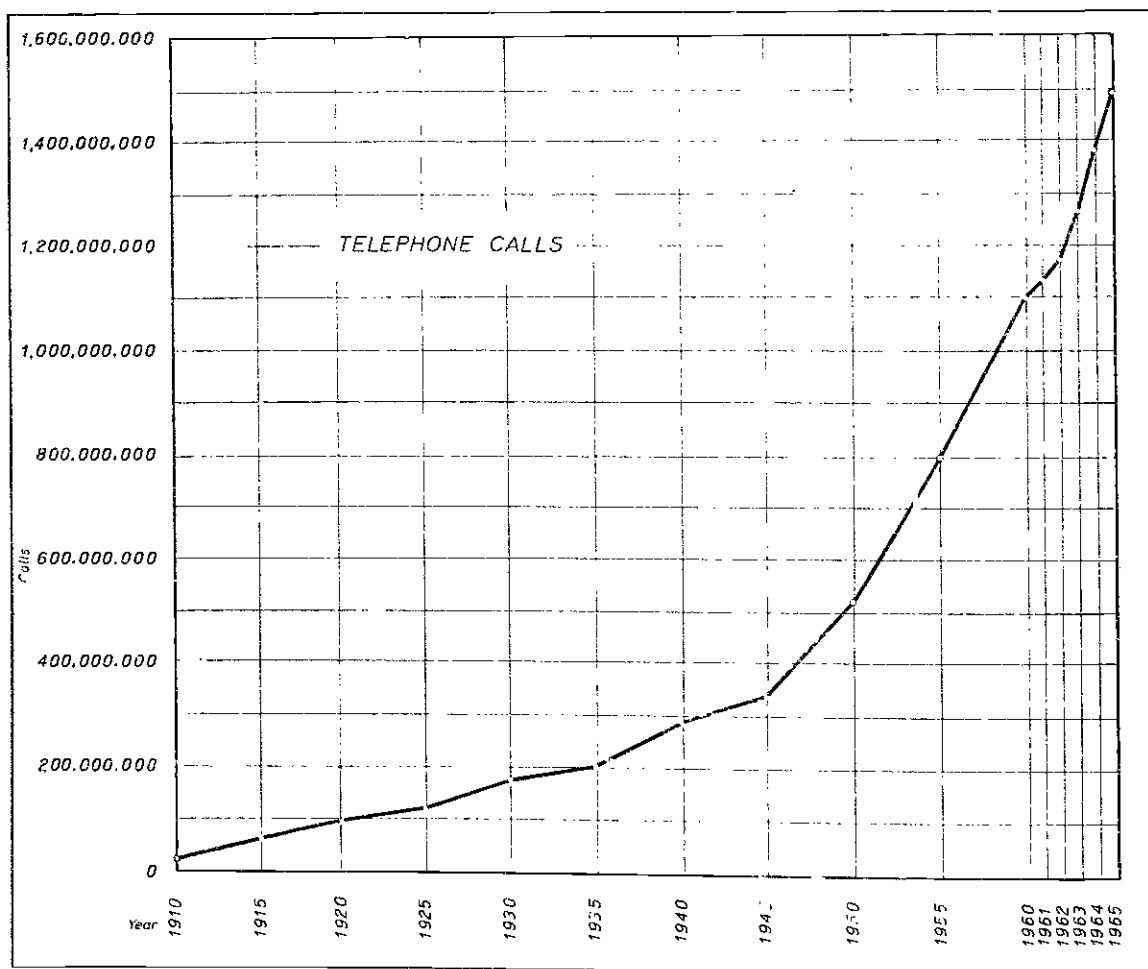
During the year some 1,319,000,000 metered telephone call units (excluding calls from call offices) were registered in the cities and towns and 97,000,000 on farm lines and multi-party lines.

#### *Telegraph and Telephone Offices*

Public telegraph and telephone facilities were extended to 19 new offices, involving the erection of 79 miles of new line at a cost of R15,232.

#### *Trunk Service*

The number of trunk calls, including toll calls handled on a manual switching basis, increased from 94,324,000 to 103,542,000.



In order to meet the sustained demand for trunk calls and to improve the service generally, an additional 1,353 trunk circuits were provided. This increased the total number of trunk circuits in the Republic to 13,293. The additional circuits provided include circuits for subscribers' direct trunk dialling and, amongst others, the following long distance trunk circuits:—

<i>Circuit.</i>	<i>Ad- ditional.</i>	<i>Total.</i>
Cape Town-Bloemfontein....	2	7
Cape Town-Durban.....	3	11
Cape Town-Port Elizabeth..	8	27
Cape Town-Pretoria.....	1	9
Cape Town-Windhoek.....	1	3
Pretoria-Durban.....	2	11
Bloemfontein-Johannesburg..	7	47
Johannesburg-Cape Town...	10	37
Johannesburg-Bulawayo.....	5	13
Johannesburg-Durban.....	3	58
Johannesburg-Pietermaritz- burg.....	5	13
Johannesburg-Windhoek.....	1	3
Johannesburg-East London..	1	7
Pretoria-Bloemfontein.....	9	19

#### *Direct Dialling of Trunk Calls*

The facility whereby subscribers at automatic exchanges can dial directly to (a) country manual exchanges and (b) subscribers at other automatic exchanges, was extended as follows:—

- A. (i) Subscribers in the Pretoria, Vereeniging and Witwatersrand automatic exchange systems to the following manual exchanges:—

Balfour, Tvl	Greylingstad
De Deur	Kliprivier
Devon	Lydenburg
Endicott	Rothdene, and
Frankfort, O.F.S.	Villiers.

- (ii) Subscribers in the Cape Peninsula, Paarl and Worcester automatic exchange systems to the following manual exchanges:—

Darling	Tulbagh, and
Hopefield	Villiersdorp.
Porterville	

- (iii) Subscribers in the Cape Peninsula and Paarl automatic exchange systems to the manual exchange at Velddrif.

- (iv) Subscribers in the Durban and Amanzimtoti automatic exchange systems to the manual exchange at Port Shepstone.

- (v) Subscribers in the Bloemfontein automatic exchange system to the following manual exchanges:—

Allanridge	Kroonstad
Arlington	Lindley
Clarens	Paul Roux
Fouriesburg	Petrus Steyn
Harrismith	Reitz
Hennenman	Slabberts, and
Kestell	Warden.
Kransfontein	

- (vi) Subscribers in the Uitenhage automatic exchange system to the manual exchange at Despatch.

- B. (i) Subscribers and call office users at Bethlehem to subscribers at Amanzimtoti, Bloemfontein, Carletonville, Durban, Klerksdorp, Pietermaritzburg, Pietersburg, Pretoria, Vereeniging, Virginia, Welkom and the Witwatersrand. In addition, Bethlehem subscribers are also able to dial directly to 50 manual exchanges.

- (ii) From subscribers at:— To subscribers at:—

Bloemfontein.....	Pretoria
Bloemfontein.....	Vereeniging
Bloemfontein.....	Witwatersrand
Klerksdorp.....	Bethlehem
Pietersburg.....	Bethlehem
Potchefstroom.....	Klerksdorp
Potchefstroom.....	Pretoria
Potchefstroom.....	Witwatersrand
Uitenhage.....	Port Elizabeth.

#### *Automatic Exchanges*

The following new automatic exchanges were provided:—

Joubertpark (Johannesburg).....	8,884 lines
Lewisham (Krugersdorp).....	3,175 lines
Linton Grange (Port Elizabeth)....	2,600 lines
Noord-Rand.....	1,483 lines.

A temporary automatic exchange (1,000 lines) and a portion of a new automatic exchange (1,615 lines) were also brought into service at Wadeville and Bergvliet, respectively. In addition, the Pretoria automatic exchange was extended by 1,900 lines.

The new automatic exchanges at Potchefstroom, Rosslyn and Uitenhage replaced the manual exchanges.

The capacities of the following existing automatic exchanges were increased to the extent indicated:—

Alberton.....	1,700 lines
Bloemfontein.....	400 lines
Bryanston.....	600 lines
Kloof.....	400 lines
Linden.....	400 lines
Neal Street.....	200 lines
Parson's Hill.....	800 lines
Pinelands.....	50 lines
Rondebosch.....	400 lines
Rietfontein.....	600 lines
Rosburgh (Durban).....	300 lines
Johannesburg City.....	9,823 lines
Walmer.....	200 lines
Wierdabrug.....	160 lines.

Work also commenced on extensions to several other automatic exchanges to provide an additional 20,500 subscribers' lines. In addition, the existing automatic equipment at Sandown (888 lines) and Welkom (4,548 lines) was being replaced by new automatic equipment. The new exchange equipment makes provision for 2,200 and 7,700 lines, respectively.

It is expected that the following manual exchanges will be replaced by automatic exchanges during 1965-66:—

Bank.....	300 lines
Bon Accord.....	500 lines
Heidelberg, Tvl.....	1,900 lines
Honeydew.....	1,500 lines
Koelenhof.....	100 lines
Lynedoch.....	100 lines
Muldersdrif.....	800 lines
Muldersvlei.....	100 lines
Odendaalsrus.....	2,200 lines
Rysmierbult.....	200 lines
Vasfontein (near Pretoria).....	500 lines
Wolverdind.....	200 lines.

#### Manual Exchanges

The following were among the major manual switchboard works carried out during the financial year:—

Exchange.	Additional Number of Subscribers' Lines Provided.
Evander.....	600
Empangeni.....	200
Katlehong.....	240
Lichtenburg.....	400
Mossel Bay.....	400
Somerset West.....	280
Vryburg.....	470
Westonaria.....	200

The capacities of 100 manual exchanges (including the above-mentioned exchanges) were increased either by the installation of additional switchboards or by the provision of additional lines on existing switchboards. Altogether 198 new switchboards were installed to provide 4,854 additional subscribers' lines and to improve the trunk service.

#### Radio-Telephone Service

New radio-telephone services were introduced from the Republic of South Africa to Rwanda, Faroe Islands and Mauritius.

A total of 49,724 radio-telephone calls were effected, of which 25,878 were incoming and 23,846 were outgoing calls. In addition, 6,396 radio-telephone calls were effected to and from ships at sea, of which 4,010 were incoming and 2,386 were outgoing calls.

#### Telegraph Traffic and Transmission

The number of forwarded telegrams handled was 12,188,888 which is 710,503 more than the previous year. The total included 869,371 telegrams to overseas destinations (including ships at sea), which is 71,668 more than the total for 1963-64. The total number of radio telegrams transmitted between South African coastal radio stations and ships at sea was 16,072—an increase of 1,412.

#### Communication Systems

During the year additional systems or expansion of existing systems were provided between the following centres:—

#### Channels.

Johannesburg-Lichtenburg/Mafeking..	12
Johannesburg-Derdepoot Radio.....	24
Johannesburg-Durban.....	24
Pretoria-Tzaneen/Phalaborwa.....	12
Port Elizabeth-Graaff-Reinet.....	12
Port Elizabeth-Somerset East.....	12
Port Elizabeth-Fort Beaufort.....	6
Bloemfontein-Ficksburg/Bethlehem....	18
Bloemfontein-Burgers'burg.....	6
Bloemfontein-Maseru.....	4
Bloemfontein-Windburg/Senekal.....	8
Durban-Kokstad.....	12
Durban-Eshowe/Empangeni.....	18
Durban-Greytown.....	8
Welkom-Bultfontein.....	4
Beaufort West-Fraserburg.....	6

### *Automatic Switching (Telegrams)*

Full automatic switching was introduced in the Western Cape during September, 1964. Through-dialling was introduced between Windhoek and the majority of offices connected to the automatic telegraph network in the Republic. This system will be extended to other offices in South West Africa when additional circuits to the territory become available. It is also expected that full automatic switching will be introduced in Natal during the 1965-66 financial year.

### *Teleprinters*

The number of teleprinters in use departmentally at the close of the financial year under review was 1,126; an increase of 51. The number of country offices equipped for teleprinter working totalled 198, which is an increase of two over the previous year.









### *Leased Teleprinter Circuits*

During the year, 26 additional leased teleprinter circuits were provided and the number of circuits in use as at 31st March, 1965, totalled 271.

Nine additional radio-teleprinter circuits were provided between lessees in the Republic and overseas countries and at the end of the financial year there were 20 to Great Britain, 1 to the United States of America, 1 to Ascension, 1 to Kenya, 1 to West Germany, 3 to France, 1 to Leopoldville and 1 to Australia.

### *Phototelegram Service*

Altogether 247 phototelegrams were transmitted to and 949 received from overseas countries. The corresponding figures for the previous year were 80 and 1,060, respectively. A total number of 6,313 phototelegrams was transmitted over the inland network. The figure for the previous year was 5,125.

Year	TELEX SUBSCRIBERS	Number
1965		2,493
1960		1,730
1955		960
1950		250
1945	 	90
1940		50
1935		30

### *Direct Radio-telegraph Service*

Direct radio-telegraph service is now available between the Republic and the following countries: Great Britain, the Federal Republic of Germany, Switzerland, United States of America, Kenya, Republic of the Congo (Leopoldville), Tristan da Cunha, Angola, Malagasy and France. Direct radio-telegraph service will be introduced to Australia and Japan during the 1965-66 financial year.

### *Telex Service*

Although it was indicated in the previous report that an automatic teleprinter exchange might be introduced at Durban during the 1964-65 financial year, certain technical difficulties arose which delayed the service. The work is, however, due to commence next year.

The number of subscribers in the Republic rose by 339 to 2,493 during the year. There were 186 waiting applicants at the end of March, 1965.

A total number of 545,016 inland calls was made during the 1964-65 financial year. This figure represents calls made by subscribers connected to manual exchanges only. The number of calls in respect of subscribers connected to automatic exchanges (Johannesburg and Cape Town) is not available, but the revenue derived from these sources showed a considerable increase over the previous year.

The overseas service was extended to Aden, Bahrein, Bermuda, Canary Islands, Ecuador, Guam, Haiti, Jamaica, Malagasy Republic, Mexico and Uruguay and is now available to 71 countries.

The number of overseas calls increased by 46.3 per cent from 99,092 to 144,969 and the number of paid minutes by 43.5 per cent from 657,773 to 943,732.

### *Registered Telegraphic Addresses*

At the end of the 1964-65 financial year the total number of telegraphic addresses registered in the Republic was 23,315 compared with 22,162 the previous year.

#### *Radio*

The number of valid certificates and licences as at 31st March, 1965, was as follows:—

#### *Certificates*

Radio Engineers.....	90
Radio Technicians.....	497
Radio Repairers.....	1,511

#### *Licences*

Aircraft Radio Stations.....	454
Ship Radio Stations.....	822
Amateur Stations.....	2,508
Private Radio Communications.....	4,911
Radio Burglar Alarms.....	2,132

## POST OFFICE TERMINOLOGY COMMITTEE

A supplement to the Post Office Dictionary comprising terms used chiefly in the Engineering Division was issued during the last quarter of 1964. Sale copies of the publication were made available to the general public.

A wide field of translation was covered by work groups and further progress was made for the

eventual issue of a revised and greatly augmented edition of the Post Office Dictionary.

The Committee continued to supply replies to enquiries raised by the editorial staff of the "Woordeboek van die Afrikaanse Taal", thus ensuring that the definitions of terms represent the meanings applicable to them in current Post Office practice.



Mr. M. A. Buys, Deputy Postmaster General.

## MOTOR TRANSPORT

The increased demand for postal and telephone services, necessitated the expansion of the Department's transport fleet and during the financial year, it became necessary to purchase 71 additional vehicles. With a total of 3,763 vehicles in daily operation it was also necessary to replace worn-out units and for this purpose a further 320 vehicles were purchased. The total cost of the new vehicles purchased during the year amounted to R476,892.

During the year 265 vehicles which had become unserviceable were sold by public auction for a total of R54,208. During the previous financial year 141 vehicles were sold for R52,248.

A total of 30,255,627 miles was covered by departmental vehicles and maintenance and running costs amounted to R1,360,448. During the 1963-64 financial year the mileage covered was 28,760,218 and running and maintenance costs amounted to R1,493,032. The total transport costs for the year, including depreciation and overhaul charges, amounted to R2,392,732 compared with R2,477,709 for the previous year.

During the past two years a variety of ultra-light vehicles were purchased in replacement of heavier vehicles and this resulted in savings which

cannot be fully determined at this stage. Experiments to find the most suitable types of vehicles for particular tasks are continuing.

The Department is perturbed at the increasing number of road accidents which take place in the Republic every year and with a view to minimising the risks to which its own personnel and vehicles are exposed every day, drivers were urged to drive with the utmost care in all circumstances. Despite these efforts, departmental vehicles were involved in 1,028 accidents during the year compared with 863 during the previous year; the average number of miles per accident was 29,432 compared with 33,325 for the 1963-64 financial year. It is inevitable that third party claims will arise from road accidents and an amount of R20,780 was paid during the year compared with

R16,573 during the previous year. In many instances claims were made against third parties who were responsible for accidents involving departmental vehicles. Such claims resulted in the recovery of R5,288 during the year compared with R703 during the 1963-64 financial year.

No administrative or other problems of any magnitude have been encountered since the Department assumed control of its own transport fleet on 1st April, 1963. Valuable experience has been gained in the management of so large a transport organisation and this will be used to advantage in improving the standard and efficiency of the departmental transport service as a whole. The results of training in the prevention of motor accidents are encouraging and the Department's endeavours in this field will be intensified.

## ORGANISATION AND METHODS

### *Mechanisation of Telephone Accounts Procedures*

The volume of telephone accounting work at Pietermaritzburg and Bloemfontein increased beyond that which could economically be undertaken manually and steps were taken towards mechanising the procedures. It is expected that the mechanisation will be completed during the year 1966-67.

### *Telegraphs*

Consequent upon the extension of telegraph switching facilities to the Western Cape area during September, 1964, the staff establishment in respect of all telegraph offices connected to the Cape Town system, including that of the Cape Town telegraph office, was reviewed, resulting in a considerable saving in operating staff.

### *Remote Control Audit Procedure*

A new system of audit control over the rendering of telephone accounts by Post Offices in rural areas was introduced during 1964. This remote control audit system proved to be very effective and has since been extended to all offices in the Witwatersrand area, excluding the Johannesburg mechanised system.

### *Routine and Special Investigations*

Staff requirements and methods and procedures were reviewed in respect of administrative and clerical organisations, as also in the executive Branch which is directly responsible for rendering service to the public. These investigations are aimed at simplifying work and management procedures as part of our efficiency objectives.

## PUBLIC RELATIONS

The Department, like all large modern business organisations, fully realises the value of maintaining sound public relations in all spheres of its activities. With this object constantly in view, public relations officers have been appointed at Cape Town, Johannesburg, Durban and Pretoria. It is the duty of these officers to assist members of the public and more especially organised commerce and industry in making the best possible use of post office services, some of which are not so well known.

The Publicity Branch participated in a number of industrial and other exhibitions in the large centres. The Departmental exhibits varied greatly and special efforts were made to portray the

wonders of modern electronics and to illustrate the many attractive careers offered by the Post Office to young university graduates in this field. Apart from information about the purely technical aspects of the Departments' activities, information about all the other attractive careers available to young people, was also available at the exhibition stands.

The Departmental Philatelic Bureau at Pretoria continued to provide an important service to philatelists and postage stamp dealers in the Republic and overseas. South African postage stamps again proved very popular in all quarters with the result that the activities in the Bureau increased considerably.





Mr. D. P. J. Retief, Chief Engineer.

## ENGINEERING DIVISION

### *General*

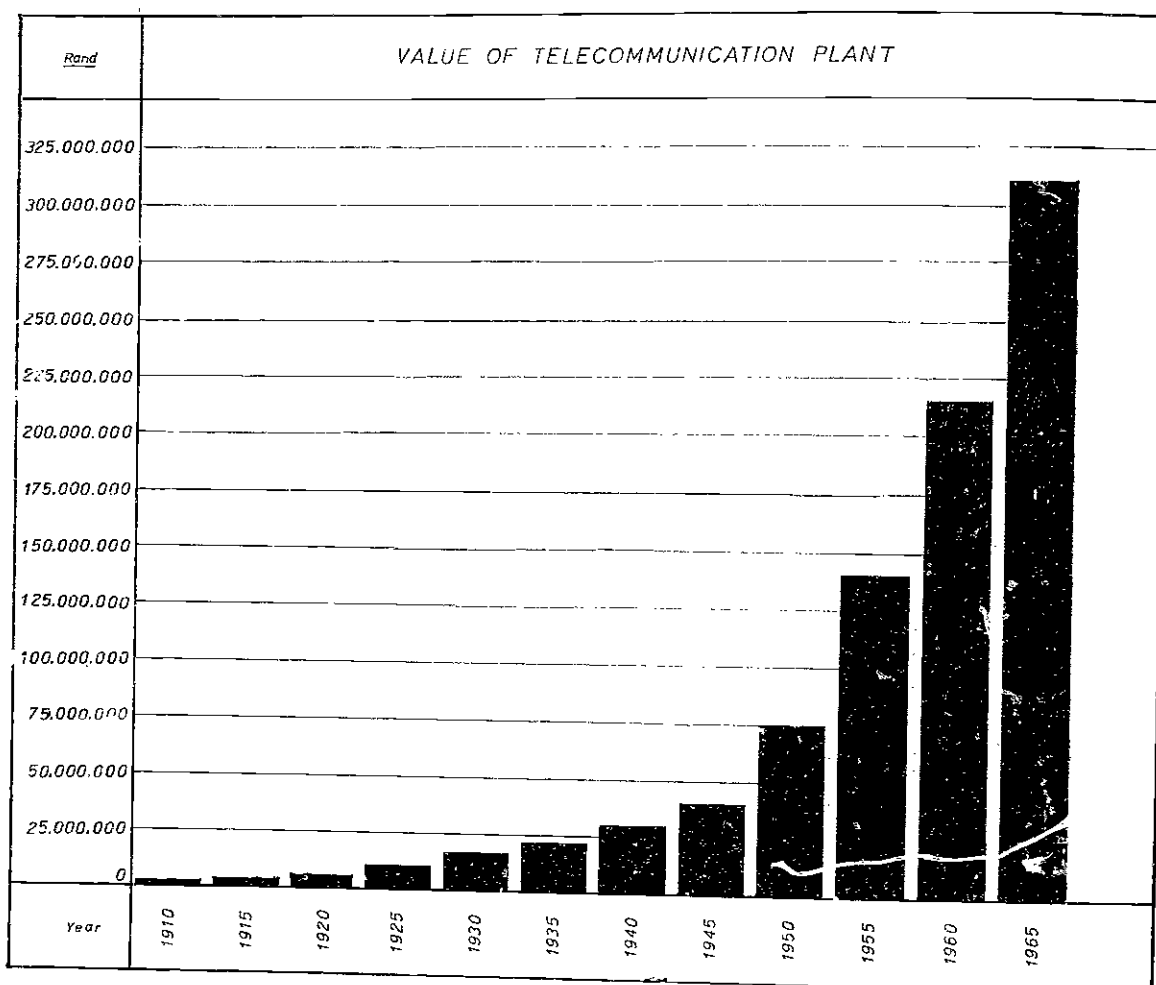
Extension and automation of the telephone and telegraph system continued throughout the year to cater for public demand. Expenditure on new work totalled R24,712,093, which brought the total investment in telecommunications plant to R307,509,000. The amount spent on maintaining the plant during the year totalled R15,558,000.

Extensive damage was caused to outdoor plant by heavy snowstorms in the Orange Free State and Eastern Cape areas, the cost of repairs exceeding R250,000. The damage extended over a very wide area and in order to cope with the situation engineers and construction staff from other centres in the Republic had to be drafted to the Orange Free State and Northern Cape Division. This action led to speedy restoration of service, but had its repercussions in that normal planned works in other divisions were unavoidably delayed.

### *Telephone Switching*

Conversion of existing manual telephone systems to automatic working as well as the establishment of new automatic exchanges continued, three local exchanges as listed elsewhere in this report having been automated and four new automatic exchanges established. Several existing automatic and manual exchanges were also extended to meet telephone growth. In addition, extensions were made to the interim subscriber trunk dialling service.

Subscriber automatic exchanges now total 113 of which 94 are equipped with subscriber trunk dialling facilities. The number of fully automatic trunk exchanges remain at three, but will shortly be increased to four when the new automatic trunk exchange at Welkom is commissioned. The automatic exchanges at Virginia, Odendaalsrus and Heidelberg (Tvl.) will also have subscriber trunk dialling service.



Fully automatic farm line facilities were provided at Maitland, Pietersburg, Nigel and Dunnottar exchanges and a start was made with the provision of fully automatic farm line service in the Witwatersrand and Pretoria districts. A feature of the automatic farm line system is that subscribers connected thereto have virtually the same facilities as town subscribers.

A total amount of R7,343,851 was spent on the provision of automatic, manual and trunk exchange equipment during the year.

#### *Trunk Telephone Lines*

The trunk line network was expanded to cater for increased traffic demands and to provide additional subscriber trunk dialling circuits at a cost of R760,951. The total circuit mileage increased by 11.9 per cent from 1,008,499 to 1,128,800 miles.

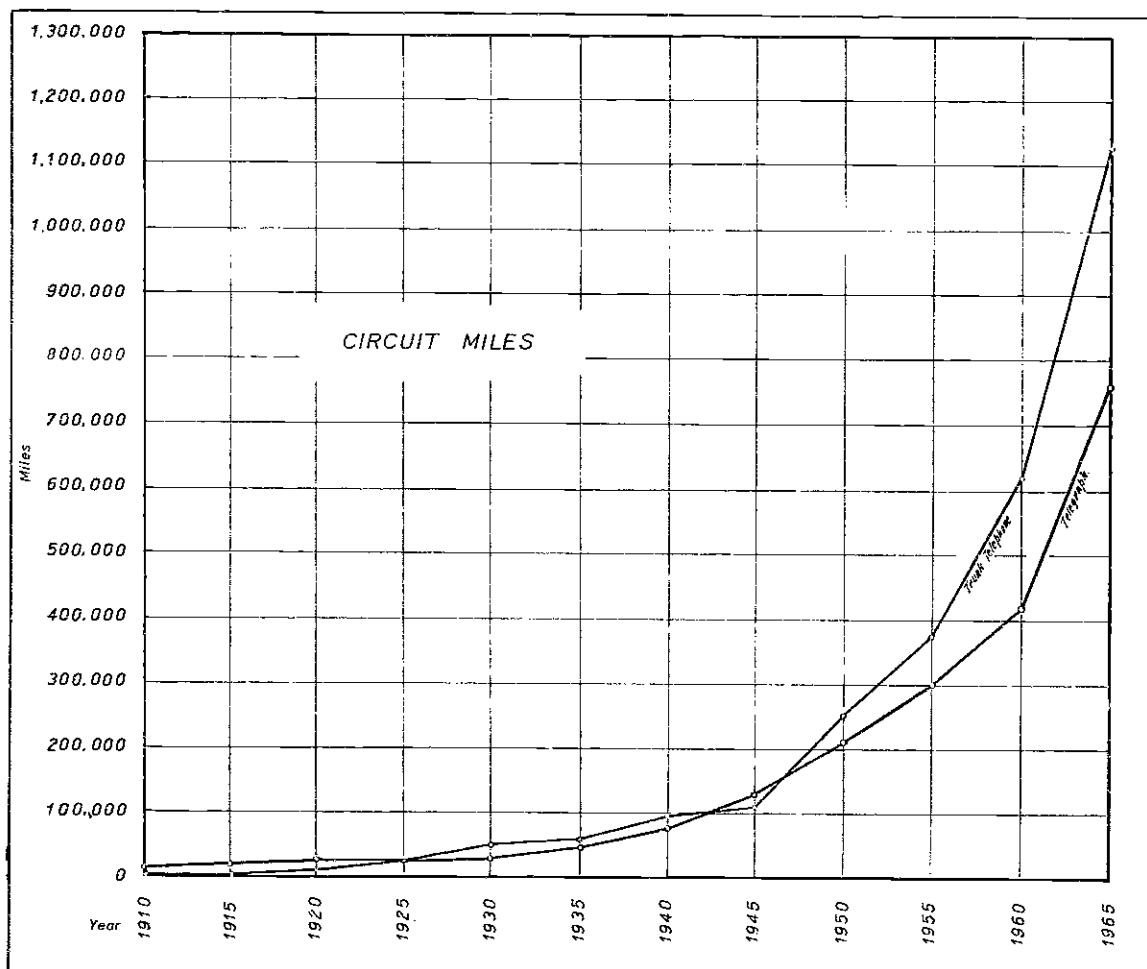
The Bloemfontein-Welkom microwave system was extended to Johannesburg and brought into service. A microwave system was also installed between Johannesburg and Springs.

Installation of a direct Johannesburg-Durban microwave system was also commenced with a view to its completion during the financial year 1965-66.

Good progress was made with the acquisition of sites and the provision of roads and buildings for extending the microwave system from Bloemfontein to Port Elizabeth and East London.

The survey of the Cape Town-Port Elizabeth microwave system was completed and tenders invited for the construction of access roads to the repeater station sites which are situated on mountain peaks.

At the close of the year, the route mileage of microwave systems in service in the Republic totalled 486 which figure will double with the addition of the Johannesburg-Durban link.



### External Telephone and Telegraph Services

Two new 30 Kilowatt automatically-tuned transmitters were installed and put into service and a further ten have been ordered for expansion and modernisation of the overseas radio telephone and telegraph services.

A second series of high speed data tests between Pretoria and New York were conducted on behalf of the United States MITRE Corporation.

The New York radio station at Tangier was converted to independent sideband operation and all New York circuits were routed via Tangier.

The old S.A.B.C. transmitting building at Milnerton (Cape) was modified and renovated for use as a marine radio receiving station. When commissioned, this station will be used for the services which are at present undertaken from Kommetjie.

### Maintenance

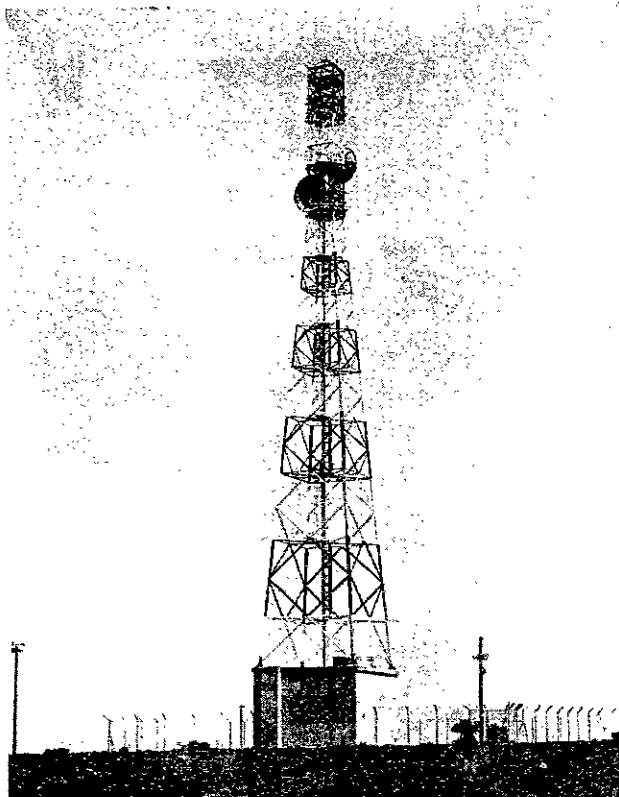
The amount of R15,558,000 spent on the maintenance of telecommunications plant represented an increase of 7 per cent over the previous year.

Growths in the respective parts of the system were:—

Number of Telephones.....	5.9%
Exchange Equipment and Cables...	8.2%
Farm Lines.....	0.1%
Trunk network (miles of circuit)....	11.9%
Number of Teleprinters.....	11%
Telegraph network (miles of circuit)..	5.2%

### Workshops

Heavy mechanical aid units and diesel electric generating sets totalling some 3,200 items were maintained and serviced by the mechanical workshops.



Microwave tower at Standerton.

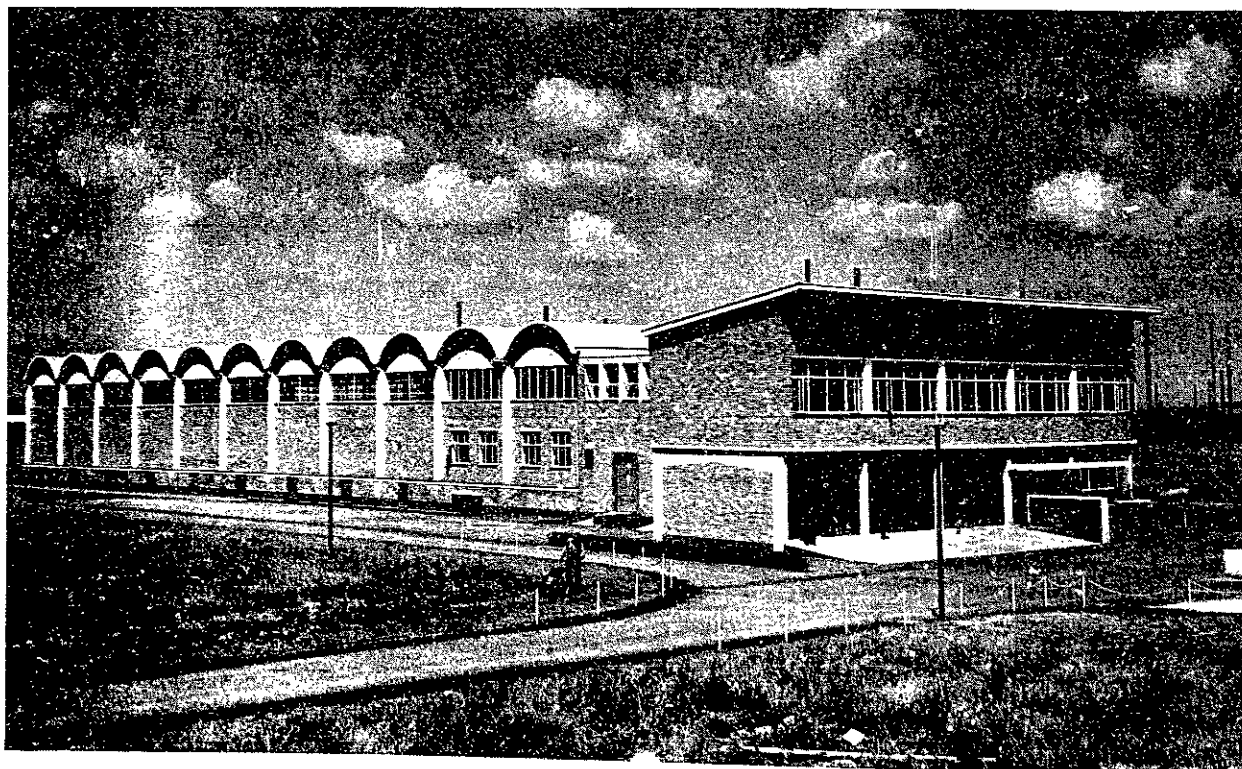
In the general workshops overhauls and repairs were effected as follows:—

Telephones.....	215,000
Dials.....	211,000
Switchboards.....	4,100
Coin Boxes.....	3,500.

Installation and maintenance of the first group of departmental air-conditioning plants was undertaken as well as the maintenance of other air-conditioning plants taken over with buildings for which the Post Office is now responsible.

Manufacture of postal and engineering items to a value of R171,000 was undertaken, these items not being readily or economically available from commercial sources.

In addition to the maintenance of numerous departmentally owned prefabricated buildings ranging from automatic exchanges to small fuel stores, new prefabricated buildings and security fences to the value of approximately R250,000 were erected.



Radio station at Olifantsfontein.

# STATISTICAL TABLES

# GENERAL PROFIT AND

	R	R	R
<b>TO EXPENDITURE:—</b>			
Cash Payments (Salaries, Wages, Allowances, Maintenance and General)		72,479,183	
Less: 1. Amount apportioned to Engineering Construction Works			
(a) Administrative Overheads.....	1,584,696		
(b) Purchase of Motor Vehicles.....	124,178		
	<u>1,708,874</u>		
2. Loss on Radio Bantu.....	450,000		
3. Running expenses of External Radio Service.....	140,000		
	<u>590,000</u>	2,298,874	
		<u>70,180,309</u>	
Contribution in respect of Replacements and Renewals of Telegraph and Telephone Plant (Depreciation).....		3,406,413	
		<u>73,586,722</u>	
<i>Value of Services for which no Cash Debit is taken:—</i>			
Interest Liability on Capital:—			
Telegraphs.....		739,544	
Telephones.....		12,059,969	
Standard Stock.....		390,797	
Cost of Raising Loans since Union.....		74,172	
Value of Government Buildings.....		1,165,104	14,429,586
		<u>13,439,686</u>	
Pension Funds: Government Liability:—			
Contributions to Funds.....		3,511,084	
Pensions Paid from Revenue.....		246,135	
Gratuities.....		29,086	
		<u>3,786,305</u>	
Unemployment Insurance Fund: Government Liability.....			23,247
Services Rendered by Other Government Departments:—			
Minor Works and Furniture, Maintenance and Repairs, Rents, Rates and Taxes.....		386,858	
Law Costs and Damages.....		7,293	
Audit.....		22,143	
Minor Services.....		54,591	
		<u>470,885</u>	
Postal Services.....			687,401
			<u>110,665,510</u>
<b>TOTAL EXPENDITURE.....</b>			92,984,146
<b>Balance being Profit.....</b>			<u>17,681,364</u>
			<u>110,665,510</u>

# POSTAL PROFIT AND LOSS

<b>TO EXPENDITURE:—</b>	R
Traffic, Operating and Commercial.....	18,167,128
Stores (overhead).....	209,404
Administration and Accounting.....	1,083,501
Rents, Maintenance of P.W.D. Buildings, Lighting.....	139,269
Interest Liability on Capital Value of P.W.D. Buildings.....	535,948
Pension Liability.....	1,228,878
Unemployment Insurance Liability.....	7,545
Conveyance of Mails.....	7,155,564
Purchase of Motor Vehicles.....	50,347
Miscellaneous.....	2,476,275
	<u>31,053,859</u>
<b>TOTAL EXPENDITURE.....</b>	31,053,859
<b>Net Profit.....</b>	<u>1,992,624</u>
	<u>33,046,483</u>

# **LOSS ACCOUNT** (*Financial Year 1964-65*).

## **BY REVENUE:—**

	R	R
Cash Receipts.....		106,252,944
<i>Value of Services for which no Cash Credit is Received:—</i>		
Services Rendered to Government Departments—		
Postal.....	2,986,231	
Telegraphs.....	8,776	
Miscellaneous.....	948,760	
		3,943,767
Services Rendered to Provincial Administrations—		
Cape.....	110,653	
Transvaal.....	134,780	
Natal.....	61,565	
Orange Free State.....	25,001	
		331,999
Meteorological Facilities:—		
Broadcast of Weather Reports, etc.....		136,800

110,665,510

# **ACCOUNT** (*Financial Year 1964-65*).

## **BY REVENUE:—**

	R	R
Cash Collections from Public:—		
Postage.....	24,701,301	
Ocean Mail Service.....	723,654	
Private Box Rentals and Private Bag Fees.....	772,780	
Savings Bank Revenue.....	1,219,220	
Postal Order Commission.....	430,301	
Money Order Commission.....	222,393	
Miscellaneous.....	694,906	
		28,764,555
Free Services to Government Departments.....		4,266,390
Cash Collections from Government Departments: Bag Fees and Box Rentals.....		15,538
		<u>33,046,483</u>

## TELEGRAPH PROFIT AND

### To EXPENDITURE:—

	R
Traffic: Operating and Commercial.....	4,076,746
Engineering (overhead).....	83,574
Stores (overhead).....	123,855
Administration and Accounting.....	334,353
Maintenance.....	1,303,264
Rents, Maintenance of P.W.D. Buildings. Lighting.....	58,029
Interest Liability on Capital Value of P.W.D. Buildings.....	174,766
Pension Liability.....	374,948
Unemployment Insurance Liability.....	2,302
Interest on Stores Reserve.....	41,748
Interest on Capital.....	739,543
Contribution for Renewals.....	252,171
Purchase of Motor Vehicles.....	10,800
Miscellaneous.....	906,206
<b>TOTAL EXPENDITURE.....</b>	<b>8,482,305</b>
<b>Net Profit.....</b>	<b>1,462,635</b>

9,944,940

## TELEPHONE PROFIT AND LOSS

### To EXPENDITURE:—

	R
Traffic and Operating.....	11,184,816
Commercial.....	3,810,823
Engineering (overhead).....	914,105
Administration and Accounting.....	911,430
Stores (overhead).....	494,545
Maintenance.....	14,254,747
Rents, Maintenance of P.W.D. Buildings, Lighting.....	189,560
Interest Liability on Capital Value of P.W.D. Buildings.....	454,391
Pension Liability.....	2,182,479
Unemployment Insurance Liability.....	13,400
Interest on Stores Reserve.....	349,049
Interest on Capital.....	12,059,969
Contributions for Renewals.....	3,154,242
Purchase of Motor Vehicles.....	259,197
Miscellaneous.....	3,215,228
<b>TOTAL EXPENDITURE.....</b>	<b>53,447,981</b>
<b>Net Profit.....</b>	<b>14,226,105</b>

67,674,086



# **LOSS ACCOUNT (Financial Year 1964-65).**

## **BY REVENUE:—**

Cash Collections:—	R	R
From Public:—		
Telegrams.....	5,452,181	
Registered Address Fees.....	86,149	
Miscellaneous.....	816,242	
Teleprinter and Telex Services.....	3,102,354	
		9,456,926
From Government Departments:—		
Telegrams.....	162,091	
Registered Address Fees.....	6,295	
Teleprinter and Telex Services.....	191,063	
		359,449
Free Services to Government Departments:—		
Meteorological Services.....	119,789	
Miscellaneous.....	8,776	
		128,565
		<u>9,944,940</u>

# **ACCOUNT (Financial Year 1964-65).**

## **BY REVENUE:—**

Cash Collections:—	R
From Public.....	64,906,795
From Government Departments.....	2,749,680
Free Services to Government Departments.....	17,611

67,674,086

# POST OFFICE SAVINGS BANK

Item.	1962-63.	1963-64.	1964-65.
1. Savings Bank offices.....	1,614*	1,625	1,640
2. Ordinary accounts:—			
(a) Opened.....	147,805	239,702†	156,978
(b) Closed.....	204,879	135,605	170,678
(c) Remaining open.....	1,700,642	1,804,739	1,791,039
(d) Deposits:—			
Number.....	1,848,304	1,880,995	1,911,886
Value, including interest..... R	55,824,628	56,169,090	55,302,767
(e) Withdrawals:—			
Ordinary:—			
Number.....	367,234	432,524	420,459
Amount..... R	46,910,634	45,237,508	47,781,356
On demand:—			
Number.....	1,797,040	1,629,469	1,576,708
Amount..... R	8,662,259	11,512,171	12,440,732
Total:—			
Number.....	2,164,274	2,061,993	1,997,167
Amount..... R	55,572,893	56,749,679	60,222,088
(f) Balance due to depositors:—			
Amount..... R	135,004,074	134,423,485	129,504,164
Average, per depositor..... R	79.38	74.48	72.31
3. Savings Bank Certificates:—			
(a) Investments..... R	941,600	1,299,000	874,800
(b) Repayments, exclusive of interest..... R	875,400	860,200	1,175,200
(c) Balance of investments..... R	6,759,000	7,197,800	6,897,400
4. Accounts transferred:—			
To other Administrations:—			
Number.....	395‡	1,706	585
Amount..... R	54,387‡	139,981	36,222
From other Administrations:—			
Number.....	189‡	192	133
Amount..... R	16,035‡	15,318	19,262
5. School Banks:—			
Number of accounts.....	3	3	3
Balance due to depositors..... R	542	652	697

## NOTES.

Item 2 (f) does not include item 3 (c).

\* Bechuanaland established its own Post Office Savings Bank w.e.f. 1/1/1963.

† Includes 83,027 dormant accounts which were re-instated.

‡ Corrected figures.

## UNION LOAN AND NATIONAL SAVINGS CERTIFICATES\*

Item.	1962-63.	1963-64.	1964-65.
1. Investments.....	R 23,092,831	R 31,317,507	R 26,501,948
2. Repayments, exclusive of interest.....	8,838,640	18,153,016	18,701,042
3. Balance of investments.....	83,848,222	97,012,713	104,813,619

\* NOTE: Name changed to "National Savings Certificates" as from 1/9/61.

# WORK PERFORMED ON BEHALF OF OTHER DEPARTMENTS OF STATE

Item.	1962-63.	1963-64.	1964-65.
1. Free postage:—			
Value.....R	2,649,839	3,022,824	3,022,824
2. Free money orders:—			
Number.....	84,710	70,838	87,615
Value.....R	3,166,773	2,577,237	3,254,313
3. Pension warrants cashed:—			
Number.....	3,204,944	3,283,138	3,389,446
Value.....R	71,910,103	77,205,570	85,424,501
4. Revenue collected:—			
(a) Licences.....R	196	190	252
(b) Revenue stamps.....R	3,085,544	3,397,310	3,579,143
(c) Cape Entertainment tax.....R	307,210	340,925	271,449
(d) Customs dues.....R	3,048,337	3,825,741	4,359,812
(e) Fumigation fees.....R	11	—	—
5. Cigarette duty.....R	41,699,080	44,387,222	46,160,569
6. Tax Redemption Certificates.....R	3,106,290*	—	—
7. Levy Savings Certificates (redeemed).....R	6,053	3,898	3,448
8. Ex-volunteers: Loan repayments.....R	553	696	369
9. Department of Community Development: Rentals and loan redemptions collected.....R	2,674,111	2,634,911	2,684,340
10. Loan Levy Certificates (redeemed).....R	1,092,057	1,826,563	1,893,650
11. Treasury Bonds (collection of subscriptions).....R	10,001,750	6,564,400	5,033,600

\* April-September 1962.

# MONEY ORDERS AND POSTAL ORDERS

Item.	1962-63.	1953-64.	1964-65.
1. Money orders <i>Issued</i> :—			
(a) On offices in South Africa:—			
Number.....	1,039,542	1,050,807	1,074,996
Amount..... R	24,683,748	24,646,678	26,587,233
(b) On other countries:—			
Number.....	102,640	83,926	53,346
Amount..... R	1,990,597	1,705,804	1,192,366
(c) Total:—			
Number.....	1,142,182	1,134,733	1,128,342
Amount..... R	26,674,345	26,352,482	27,779,599
(d) Commission..... R	217,054	217,368	222,393
2. Money orders <i>Paid</i> :—			
(a) Issued in South Africa:—			
Number.....	1,067,802	1,025,761	1,077,301
Amount..... R	24,678,935	24,615,539	26,532,514
(b) Issued in other countries:—			
Number.....	80,645	67,226	66,747
Amount..... R	1,511,501	1,465,246	1,580,614
(c) Total:—			
Number.....	1,148,447	1,092,987	1,144,048
Amount..... R	26,190,436	26,080,785	28,113,127
3. Postal orders <i>Issued</i> :—			
(a) Number:—			
South African.....	11,903,700	12,325,556	10,347,946
British.....	1,970,760	1,817,804	1,398,116
Total.....	13,874,539	14,143,360	11,746,062
(b) Amount:—			
South African..... R	26,897,518	27,713,550	26,404,770
British..... R	2,862,460	2,728,744	2,381,019
Total..... R	29,759,978	30,442,294	28,785,789
(c) Commission:—			
South African..... R	392,597	399,882	361,124
British..... R	81,042	76,182	69,177
Total..... R	473,639	476,064	430,301
4. Postal orders <i>Paid</i> :—			
(a) Number:—			
South African.....	11,861,092	12,172,420	10,285,468
British.....	773,739	901,239	829,425
Total.....	12,634,831	13,073,659	11,114,893
(b) Amount:—			
South African..... R	26,847,196	27,477,630	26,297,836
British..... R	2,627,761	3,451,315	3,308,318
Total..... R	29,474,957	30,929,445	29,606,154

### STAFF

Item.	1962-63.	1963-64.	1964-65.
1. Permanent staff establishment:—			
(a) Authorised posts.....	36,445	37,407	38,302
(b) Officials employed.....	35,637	35,604	36,103
2. Total number of persons employed.....	46,707	46,680	47,447
3. Officials who availed themselves of leave.....	48,967	45,342	45,130
4. Vacation leave:—			
(a) Number of days granted.....	877,136	916,049	905,036
(b) Average per official.....	17.91	20.20	20.05
5. Special leave:—			
(a) Number of days granted.....	268,519	353,951	339,727
(b) Average per official.....	5.48	7.81	7.53
6. Sick absence:—			
(a) Number of days.....	394,079	421,380	393,030
(b) Average per official.....	8.05	9.29	8.71
7. Suggestions submitted by the staff:—			
(a) Total number.....	64	34	44
(b) Number adopted.....	6	6	9
(c) Number of awards.....	6	6	9
(d) Total awards paid.....	R32.00	R34.00	R60.00

#### NOTES.

Item 1 does not include Engineering Officers paid from Capital Vote Funds, temporary and casual employees engaged in addition to the authorised establishment, and postal agents.

Item 2 includes the three classes of employees excluded from Item 1.

Item 3 includes Engineering Officers paid from Capital Vote Funds, but excludes postal agents who are not entitled to leave.

### TELEPHONES

Item.	1962-63.	1963-64.	1964-65.
1. Exchanges.....	1,779	1,770	1,769
2. Public call offices.....	15,058	15,478	15,803
3. Exchange connections:—			
(a) Business.....	181,115	187,414	197,275
(b) Residence.....	358,464	375,777	398,890
4. Shared services.....	21,938	23,731	20,058
5. Farm lines:—			
(a) Number of lines.....	10,602	10,770	10,896
(b) Farmers connected.....	88,598	89,885	90,607
(c) Length of route, in miles.....	197,293	199,963	202,349
6. Party lines (other than farm lines):—			
(a) Number of lines.....	1,326	1,274	1,350
(b) Parties connected.....	6,718	6,713	7,414
7. Total telephone stations.....	950,924	999,385	1,058,702

**TELEPHONE BUSINESS AND REVENUE FIGURES IN THE LARGEST URBAN EXCHANGE SYSTEMS  
1964-65.**

Exchange System.	Year Ended 31st March.	Number of Telephone Stations.	Number of Accounts Rendered.	Number of Insolven- cies.	Total Revenue Collec- tions.*	Total Revenue Written Off as Irrecover- able.	Amount (in cents) Written Off per R100 of Revenue Collected.
Witwatersrand.....	1963 1964 1965	289,725 303,359 324,129	2,319,996 2,404,524 3,525,736	246 357 61	R 18,170,100 19,459,280 21,277,160	R 43,397 131,137 17,946	23·88 67·39 8·43
Cape Peninsula.....	1963 1964 1965	125,717 131,899 138,616	926,706 953,222 986,755	81 72 49	7,093,168 7,553,604 8,410,348	3,117 3,809 2,459	4·39 5·04 2·92
Pretoria.....	1963 1964 1965	81,589 86,367 92,639	524,123 552,730 580,356	74 61 57	4,613,019 5,164,701 5,593,080	4,270 6,659 6,579	9·25 12·85 11·76
Durban.....	1963 1964 1965	101,350† 107,710† 111,583†	550,000 576,000 584,000	46 52 29	2,879,667 3,317,515 3,582,316	4,878 4,097 4,171	16·93 12·35 11·64
Port Elizabeth.....	1963 1964 1965	31,951 33,748 36,996	254,808 267,384 289,164	24 9 16	2,031,875 2,223,020 2,436,002	1,277 1,417 1,093	6·28 6·37 4·49
Pietermaritzburg.....	1963 1964 1965	15,080 15,745 16,465	110,088 114,100 118,716	6 13 21	975,127 1,073,119 1,169,284	274 391 1,144	2·80 3·64 9·78
Bloemfontein.....	1963 1964 1965	19,621 20,427 21,501	134,384 145,628 161,460	34 10 11	1,275,521 1,360,973 1,544,021	1,117 1,047 654	8·75 7·69 4·24
East London.....	1963 1964 1965	15,572 16,448 17,074	122,772 125,954 134,124	9 6 4	922,872 983,758 1,073,282	329 350 335	3·56 3·56 3·12
Kimberley.....	1963 1964 1965	6,788 7,272 7,705	61,624 65,208 68,772	14 — 5	480,311 517,033 592,834	155 140† 149	3·22 2·78† 2·51

**NOTES.**

\* Includes phonogram receipts and estimated amounts for Government services.

† Corrected figures.

‡ Includes Durban Municipal System.

The estimated average amounts written off per R100 of revenue collected stated in cents, are as follows:—

1962-63: 15·29=0·15 per cent.

1963-64: 35·75=0·36 per cent.

1964-65: 7·56=0·08 per cent.

### INTERNATIONAL TELEPHONE SERVICES

Item.	1962-63.	1963-64.	1964-65.
1. Calls to overseas countries.....	20,407	21,166	27,648
2. Calls from overseas countries.....	19,119	20,867	22,901
3. Calls to Rhodesia, Zambia and Malawi.....	132,448	144,814	153,272
4. Calls from Rhodesia, Zambia and Malawi.....	203,093	213,844	215,229
5. Calls to Lourenco Marques.....	42,640	47,589	57,206
6. Calls from Lourenco Marques.....	45,204	51,030	57,741
7. Calls to Kenya, Uganda and Tanganyika.....	659	679	612
8. Calls from Kenya, Uganda and Tanganyika.....	899	1,020	739
9. Calls to Congo Republic.....	450	97	202
10. Calls from Congo Republic.....	878	147	198
11. Calls to ships.....	—	2,075	2,386
12. Calls from ships.....	—	3,100	4,010

### BROADCASTING AND RADIO LICENCES

Item.	1962-63.	1963-64.	1964-65.
1. Broadcasting:—			
(a) Licensed Stations.....	18*	28†	33‡
(b) Licensed Listeners.....	1,048,864	1,152,611	1,283,261
2. Licensed Radio Stations:—			
(a) Ships.....	784	766	822
(b) Aircraft.....	359	381	454
(c) Private Communication.....	2,717	3,248	4,911
(d) Amateur.....	2,812	2,830	2,508
3. Miscellaneous:—			
Radio Burglar Alarms.....	1,650	1,917	2,132

\* Includes 7 F.M. transmitters.

† Includes 21 F.M. transmitters.

‡ Includes 15 F.M. transmitters.

# INSPECTION AT CAPE TOWN AND DURBAN OF SHIPS' RADIO INSTALLATIONS

Radio Installations Licensed by—	NUMBER OF SHIPS INSPECTED.		
	1962-63.	1963-64.	1964-65.
Argentina.....	1	—	—
Bahamas.....	4	1	—
Belgium.....	1	5	2
Bermuda.....	—	—	—
Brazil.....	—	—	1
Burma.....	—	—	2
China.....	1	—	—
Costa Rica.....	—	—	—
Denmark.....	30	30	33
East Germany.....	4	10	—
Ethiopia.....	1	—	—
Finland.....	1	—	—
France.....	49	61	51
Germany.....	71	73	108
Great Britain.....	526	534	495
Greece.....	37	47	54
Holland.....	314	318	294
Hongkong.....	4	—	2
Israel.....	23	26	21
Italy.....	23	29	46
Japan.....	107	121	158
Libanon.....	5	1	2
Liberia.....	25	31	35
Malagasy.....	—	3	4
Monrovia.....	—	1	—
Norway.....	118	111	128
Pakistan.....	6	8	6
Panama Republic.....	10	12	16
Phillipines.....	1	—	—
Poland.....	3	11	—
Portugal.....	11	32	34
Republic of Ireland.....	—	2	4
Russia.....	3	4	—
Spain.....	4	30	76
Sweden.....	59	39	56
Switzerland.....	6	11	9
South Africa.....	197	289	535
United States of America.....	60	50	76
Yugo-Slavia.....	—	—	—
TOTAL.....	1,704	1,890	2,248



# TELEGRAPHS

Item.	1962-63.	1963-64.	1964-65.
1. Telegraph Offices.....	3,474	3,425	3,424
2. Telegraph circuit mileage.....	860,437	730,649	758,279
3. Inland and inter-territorial telegrams accepted:—			
(a) Interterritorial Government and meteorological telegrams....	47,236	47,450	46,612
(b) South African Government.....	703,737	744,639	755,830
(c) Railway.....	17,583	16,854	21,172
(d) Public paid.....	9,312,563	9,676,507	10,301,631
(e) Press.....	183,316	187,781	186,821
(f) Total.....	10,264,435	10,673,231	11,312,066
4. Overseas telegrams (outgoing):—*			
(a) Government.....	9,384	7,764	7,451
(b) Public paid.....	750,742	797,390	869,371
(c) Total.....	760,126	805,154	876,822
5. Total number of telegrams accepted.....	11,024,561	11,478,385	12,188,888
6. International Telex Service:—			
(a) Number of calls.....	63,820	99,092	144,969
(b) Number of paid minutes.....	431,347	657,773	943,732
7. Phototelegrams (transmitted):			
(a) Inland.....	4,201	5,125	6,313
(b) Overseas.....	121	80	247
(c) Total.....	4,322	5,205	6,560
8. Number of Telex Subscribers.....	1,940	2,154	2,493

\* Includes radio telegrams.

# POSTAL

Item.	1962-63.	1963-64.	1964-65.
1. Post Offices:—			
(a) Money Order Offices.....	1,599	1,579	1,610
(b) Postal Agencies.....	1,628	1,569	1,538
(c) Total number of offices.....	3,227	3,148	3,148
2. Private post bags.....	12,139	12,260	12,415
3. Private boxes.....	135,341	135,304	139,909
4. Posting boxes other than those on P.O. premises.....	5,117	4,895	5,140
5. Parcel Services:—			
(a) Cash on Delivery:—			
Number of parcels.....	1,379,167	1,535,434	1,604,249
Trade charges collected..... R	6,541,856	7,247,707	7,836,054
Revenue to P.O..... R	274,666	305,335	325,412
(b) Insured:—			
Number of parcels.....	2,381,030	2,243,907	2,764,274
Revenue to P.O..... R	146,863	151,068	160,742
Compensation paid..... R	4,790	4,200	8,776
(c) Acknowledgment of posting:—			
Number of parcels.....	2,779,712	2,883,763	2,819,205
Revenue to P.O..... R	27,797	28,837	28,192
Compensation paid..... R	2,629	3,074	3,696
6. Total articles handled.....	SEE	NEXT	PAGE
7. Undelivered Articles:—			
(a) Number.....	8,926,294	8,925,176	8,654,776
(b) Value of contents:—			
Currency..... R	50,632	48,365	54,492
Other items..... R	1,282,942	1,483,478	1,992,483
(c) Revenue from sales..... R	1,300	1,597	1,534
8. Postage franking machines licensed.....	4,841	5,149	5,637
9. Business Reply Service licences.....	2,148	2,320	2,486
10. Overseas Mails:—			
Received through Great Britain for South Africa:—			
Mail bags.....	285,389	247,493	246,170
Parcel bags.....	129,150	126,337	157,730
Despatched from South Africa through Great Britain:—			
Mail bags.....	45,448	43,932	43,228
Parcel bags.....	23,069	24,302	24,999
Received for South Africa otherwise than through Great Britain:—			
Mail bags.....	58,756	60,119	65,087
Parcel bags.....	70,040	77,733	83,614
Despatched from South Africa otherwise than through Great Britain:—			
Mail bags.....	19,431	17,987	16,820
Parcel bags.....	6,353	6,813	7,651

## NOTES.

Item 7 (a) and (b) are in respect of articles which, on account of incorrect or inadequate addresses, could not be delivered to addressees, and include articles returned to senders. The figures quoted refer to articles handled in the Returned Letter Office, Cape Town only.

Item 7 (c) is in respect of articles which could not be delivered to addressees or returned to senders.

Item 10: Includes mails in closed bags in transit through South Africa to or from South West Africa, Bechuanaland Protectorate, Rhodesia, Zambia, Malawi, Mozambique and Mauritius.

**ITEMS OF MAIL HANDLED AT POST OFFICES IN SOUTH AFRICA.**

Class of mail.	Posted in South Africa for delivery in South Africa.		Posted in South Africa for delivery in other countries.		Received from other countries for delivery in South Africa.		Received from other countries in transit through South Africa.		Totals of items handled.	
	1963-64.	1964-65.	1963-64.	1964-65.	1963-64.	1964-65.	1963-64.	1964-65.	1963-64.	1964-65.
1. Letters.....	431,874,661	452,220,572	44,199,940	36,769,880	66,804,256	79,093,820	2,033,592	1,843,292	544,912,449	569,927,564
2. Postcards (single and reply).....	11,860,556	16,249,168	2,424,948	8,543,496	2,068,080	3,425,868	84,814	189,022	16,438,398	28,407,554
3. Newspapers.....	54,308,648	53,188,200	3,431,560	3,286,712	9,124,482	6,450,330	477,984	597,748	67,342,674	63,522,990
4. Printed matter, commercial papers and sample packets.....	382,437,068	370,004,284	16,279,328	12,178,816	18,364,572	11,751,376	737,100	639,444	417,818,068	394,573,920
5. Householder circulars.....	12,461,314	6,374,576	—	—	—	—	—	—	12,461,314	6,374,576
6. Express items.....	1,313,564	1,035,528	91,184	104,496	46,764	87,200	676	1,508	1,452,188	1,228,732
7. Registered items.....	26,001,300	23,716,784	2,296,372	1,455,688	1,415,806	1,269,798	101,244	128,492	29,814,722	26,570,762
8. Certified mail.....	†	1,145,352	—	—	—	—	—	—	—	1,145,352
9. Parcels (including C.O.D. and I.P.)	13,057,800	14,017,368	1,134,396	1,145,196	1,052,694	1,616,784	36,396	98,880	15,281,286	16,878,228
(a) Ordinary.....	1,078,624	1,037,500	—	—	—	—	—	—	1,078,624	1,037,500
(b) Agricultural.....	—	—	—	—	—	—	—	—	—	—
TOTALS.....	934,393,535	938,989,332	69,857,728	63,484,284	98,876,654	103,695,176	3,471,806	3,498,386	1,106,599,723	1,109,667,178
	1958-59.	1962-63.	1958-59.	1962-63.	1958-59.	1962-63.	1958-59.	1962-63.	1958-59.	1962-63.
10. Taxed Letters.....	1,687,192	1,456,520	204,153	446,472	235,976	492,960	12,272	20,852	2,139,592	2,416,804
11. Literature for the blind.....	60,216	75,712	2,496	624	988	1,664	—	208	63,700	78,208
12. Official correspondence:—										
(a) Letters ordinary.....	56,107,792	47,918,572	252,564	220,584	560,508	311,012	37,388	93,664	56,958,252	48,543,832
(b) Registered items.....	5,560,048	5,323,604	59,956	24,440	34,112	40,820	7,176	30,316	5,661,292	5,419,180
(c) Other items (including post-cards, accounts, printed papers, parcels, etc.)	15,101,684	18,704,712	127,088	180,908	83,356	104,156	4,784	13,884	15,316,912	19,003,660
13. Specially paid air mail items:—										
(a) Letters.....	25,993,916	28,619,968	17,564,300	16,050,476	24,324,404	16,485,560	452,348	655,512	68,344,968	61,811,516
(b) Postcards.....	589,732	558,272	823,056	950,976	997,620	3,603,912	32,656	46,696	2,443,064	5,159,856
(c) Air letters.....	278,200	1,433,744	6,530,784	7,018,492	6,761,040	5,215,392	171,496	245,492	13,741,520	13,913,120
(d) Air parcels.....	*	78,728	*	20,124	*	84,500	*	520	*	183,872
(e) Second class air mail items	—	53,300	349,804	856,128	1,256,580	1,256,372	6,552	74,880	1,612,936	2,240,680

NOTES.—Items 10 to 13 are counted separately every three years, but are included in the annual counts under items 1 to 9.

\* Service introduced on 1st May, 1959.

† Service introduced on 1st April, 1964. (Service restricted to Government Departments and Provincial Administrations).

### COST OF CONVEYANCE OF MAILS WITHIN SOUTH AFRICA

Item.	1962-63.	1963-64.	1964-65.
	R	R	R
1. By rail (South African Railways).....	2,417,000	2,362,570	2,527,857
2. By road (S.A.R. Road Motor Services).....	189,000	205,441	219,116
3. By road (private services).....	484,000	377,639	386,531
4. By air.....	650,000	710,032	791,865
5. Total.....	3,740,000	3,655,682	3,925,369

#### NOTE.

Item 3: Includes Government Garage charges and postmen's cycle allowances.

### WEIGHT OF AIR MAIL TRAFFIC OUTWARD FROM SOUTH AFRICA

Item.	1962-63.	1963-64.	1964-65.
	lb.	lb.	lb.
1. South African Airways/Central African Airways (to Rhodesia, etc.)...	291,057	296,831	294,516
2. Sabena.....	2,280	1,150	516
3. Springbok Service.....	496,905	548,520	603,649
4. Pan American Airways.....	14,735	16,689	16,252
5. D.E.T.A.....	17,247	15,553	16,989
6. South African Airways (to Lourenco Marques).....	11,551	13,675	14,476
7. EL AL Israel National Airlines.....	2,112	1,694	1,415
8. K.L.M. Royal Dutch Airlines.....	5,777	1,224	1,829
9. Qantas Empire Airways.....	2,818	3,849	8,401
10. U.A.T. (French Airlines).....	3,291	3,332	4,137
11. South African Airways (to Australia).....	6,405	5,319	4,474
12. Alitalia.....	550	794	728
13. Lufthansa.....	991	3,112	6,229
14. Scandanavian Airlines System.....	314	—	—
15. Total weight of mails.....	856,033	911,742	973,611

### MOTOR TRANSPORT

Item.	1962-63.	1963-64.	1964-65.
Number of vehicles in use.....	3,666	3,654	3,763
Miles travelled (millions).....	27,206	28,76	30,25
Total expenditure (thousands of rand).....	2,308	2,477	2,393
Number of accidents.....	959	863	1,028
Average miles per accident.....	28,369	33,325	29,432

# EXAMINATIONS ENTERED FOR BY THE STAFF

Examining Body and Examination.	CENTRES.			ENTRIES.			SUCCESSSES.		
	1962-63.	1963-64.	1964-65.	1962-63.	1963-64.	1964-65.	1962-63.	1963-64.	1964-65.
DEPARTMENT OF POSTS AND TELEGRAPHS:—									
Final Examination for Trainee Post Office Clerks and Woman Assistants.....	239	227	230	1,515	1,492	1,648	1,300	1,289	1,008
Postmaster General's Certificate of Proficiency in Radio telegraphy.....	4	—	12	5	—	4	1	—	3
Examination for Appointment as Engineer.....	5	—	9	9	18	12	—	5	1
* DEPARTMENT OF EDUCATION, ARTS AND SCIENCE:—									
Mathematics I.....							80	—	—
Mathematics II.....							3	2	1
Mathematics III.....							53	5	2
Mathematics IV.....							32	3	2
Mathematics V.....							10	1	—
Electrotechnics II.....							—	—	—
Telegraphy and Telephony I.....							33	6	1
Telegraphy II.....							57	16	2
Telegraphy III.....							20	2	—
Telephony II.....							68	12	2
Telephony III.....							32	2	1
Telephony IV.....							11	—	—
Radio-communication I.....							35	6	2
Radio-communication II.....							—	3	—
Radio-communication III.....							4	—	—
Transmission I.....							20	4	—
Transmission II.....							2	—	—
Lines I.....							62	7	1
Lines II.....							9	—	—
Technical Electricity I.....							7	1	—
Technical Electricity II.....							52	6	—
Physics I.....							—	1	—

## NOTES.

\* Statistics in respect of "Centres" and "Entries" not available.

† Not included in new training curriculum.

‡ Included in new training Curriculum.

## EXAMINATIONS ENTERED FOR BY THE STAFF (continued)

Examining Body and Examination.	ENTRIES.			SUCCESSSES.		
	1962- 63.	1963- 64.	1964- 65.	1962- 63.	1963- 64.	1964- 65.
Department of Education, Arts and Science.						
National Certificate for Technicians (Telecommunications) (Specialised.):—						
First Year Course.....	—*	72	131	—	48	89
Second Year Course.....	67	77	186	50	57	141
Third Year Course.....	69	56	71	52	46	66
National Diploma for Technicians (Telecommunications.):						
First Year Course.....	105*	131	89	58	75	50
Second Year Course.....	30	26	38	24	12	20
Third Year Course.....	20	25	18	20	25	15
Fourth Year Course.....	19	18	23	9	14	15

\* Prior to the introduction of a separate first year specialised course in 1963, all pupil technicians attended the Diploma course during their first year of training.

### TRANSACTIONS DEALT WITH IN STORES DEPOTS

Item.	1962-63.	1963-64.	1964-65.
1. Engineering material—			
Number of issues.....	137,800	148,100	218,000
Value of issues.....R	19,297,600	19,432,500	24,173,600
Number of recoveries.....	18,000	16,709	16,500
Value of recoveries.....R	3,605,800	2,588,600	3,339,800
Orders placed overseas.....R	4,747,000	8,253,000	6,699,900
Orders placed in South Africa.....R	9,551,300	13,111,800	10,981,900
Value of material received.....R	16,977,500	17,713,100	21,581,500
Stock as at 31st March.....R	8,094,100	8,259,600	8,377,700
Sold to other departments and administrations.....R	158,400	122,800	108,800
2. Postal stores—			
Number of issues.....	153,800	168,000	179,400
Number of recoveries.....	23,400	24,900	27,900
Expenditure.....R	2,359,400	2,621,555	2,854,800
3. Postage stamps—			
Value.....R	16,349,000	16,706,600	16,960,700
4. Postal orders—			
Value (South African).....R	27,717,000	28,700,500	26,361,600
Value (British).....R	2,990,000	2,853,500	2,368,300
5. National savings certificates—			
Value.....R	28,191,000	33,029,400	26,917,800
6. National savings stamps—			
Value.....R	565,000	625,200	638,200
7. Revenue stamps—			
Value.....R	8,187,000	11,190,500	13,257,000
8. Cigarette duty labels—			
Value.....R	42,483,000	48,597,000	50,644,700
9. Entertainment tax labels—			
Value.....R	308,800	329,200	265,000
10. Christmas stamps—			
Value.....R	78,200	76,900	77,300

### LOAN VOTE EXPENDITURE (CAPITAL)

Item.	1962-63.	1963-64.	1964-65.
	R	R	R
Telephone Subscribers Plant.....	3,583,453	4,313,179	5,254,830
Exchange and Junction Cables.....	2,574,880	2,501,714	2,494,776
Automatic Switching.....	5,291,853	5,859,328	7,138,273
Manual Switching.....	340,547	252,801	205,578
Rural Lines.....	23,512	— <sup>(1)</sup>	—
Farra Lines.....	1,025,816	1,154,174	1,386,205
Overhead Trunk Lines.....	1,040,710	1,137,367	760,951
Trunk Cables.....	177,147	389,197	479,978
Transmission Equipment.....	3,523,593	3,014,247	4,893,310
Telegraph Subscribers Plant.....	964,238	239,430	649,217
Departmental Telegraph Plant.....	—	916,617 <sup>(2)</sup>	842,119
Radio (Ship to Shore).....	34,329	— <sup>(3)</sup>	—
External Services.....	166,358	348,129	281,740
Tools and Mechanical Aids.....	301,516	297,124	307,624
Training Equipment.....	23,830	8,628	17,492
TOTAL.....	19,071,782	20,431,935	24,712,093

<sup>(1)</sup> Included in Farmline total as from 1st April, 1963.

<sup>(2)</sup> Telegraph Subscribers and Departmental Telegraph Plant accounted for separately as from 1st April, 1963.

<sup>(3)</sup> Included in External Services total as from 1st April, 1963.

**TELECOMMUNICATION ASSETS (EXCLUDING BUILDINGS AND SITES)**  
(Thousands of Rand)

Assets as at 31st March.	1963.	1964.	1965.
	(R1,000)	(R1,000)	(R1,000)
Telephone subscribers equipment.....	52,694	56,431	60,981
Exchange cables.....	53,648	55,441	57,243
Farm lines.....	33,191	34,737	35,689
Exchange equipment.....	44,880	56,038	62,682
Trunk switching equipment.....	5,604	— <sup>(1)</sup>	—
Transmission equipment.....	25,873	28,578	33,114
Trunk lines.....	31,923	32,636	32,989
Trunk cables.....	5,185	5,501	5,912
Rural lines.....	843	— <sup>(2)</sup>	—
Telegraphs.....	8,364	9,421	10,794
External services.....	2,548	2,867	3,113
Radio (ship to shore).....	310	— <sup>(3)</sup>	—
Tools and mechanical aids.....	4,143	4,390	4,643
Training equipment.....	331	336	349
<b>TOTALS.....</b>	<b>269,537</b>	<b>286,376</b>	<b>307,509</b>

<sup>(1)</sup> Included in Exchange Equipment from 1st April, 1963.

<sup>(2)</sup> Included in Farmline total as from 1st April, 1963.

<sup>(3)</sup> Included in External Services total as from 1st April, 1963.

**TELEPHONE PLANT**

Plant as at 31st March.	1963.	1964.	1965.
<b>1. Number of telephones—</b>			
Automatic.....	629,050	696,215	751,073
Manual.....	226,558	206,572	209,608
Farm and multi-party lines.....	95,316	96,598	98,021
<b>TOTAL.....</b>	<b>950,924</b>	<b>999,385</b>	<b>1,058,702</b>
<b>2. Exchange capacity (lines) (Exchanges over 200 lines only)—</b>			
Automatic.....	506,858	527,534	554,350
Manual.....	130,697	135,358	131,626
Call-office lines.....	14,346	15,249	15,877
<b>3. Open-wire carrier systems—</b>			
12-channel.....	238	269	304
3-channel.....	390	417	444
Single and rural channels.....	643	698	715
<b>4. Carrier channels on paired and coaxial cables, microwave systems....</b>	<b>3,884</b>	<b>4,372</b>	<b>4,989</b>
<b>5. Exchange area circuit mileage.....</b>	<b>1,708,814</b>	<b>1,791,789</b>	<b>1,914,128</b>
<b>6. Farm line circuit mileage.....</b>	<b>196,991</b>	<b>207,706</b>	<b>207,907</b>
<b>7. Trunk circuit mileage—</b>			
Physical (open-wire).....	133,900	135,439	136,339
Physical (cable).....	65,435	62,479	67,390
Carrier (open-wire).....	572,096	625,218	665,468
Carrier (cable).....	114,594	121,151	131,897
Microwave and radio.....	42,497	64,212	127,706
<b>TOTAL.....</b>	<b>928,522*</b>	<b>1,008,499*</b>	<b>1,128,800*</b>
<b>8. Broadcast circuit mileage.....</b>	<b>26,559</b>	<b>27,545</b>	<b>27,545</b>

\* These totals are in respect of item 7, only.



### TELEGRAPH PLANT

Plant as at 31st March.	1963.	1964.	1965.
1. Number of teleprinters—			
Telex.....	2,191	2,327	2,653
Gentex†.....	1,070	1,119	1,126
Private line.....	779	879	970
TOTAL.....	4,040	4,325	4,749
2. Carrier telegraph systems—			
12 to 24 channels.....	86	97	100
6 to 8 channels.....	83	92	90
3. Circuit mileages—			
Physical (open-wire).....	29,600	28,034	29,377
Physical (cable).....	17,136	17,136	22,185
Carrier (open-wire).....	508,980	575,082	603,215
Carrier (cable).....	48,095	54,557	48,778
Microwave.....	39,548	45,840	53,724
TOTAL.....	643,359*	720,649*	757,279*

† Teleprinters in operation in post offices for the transmission of public telegrams.

\* These totals are in respect of item 3, only.

### MAINTENANCE EXPENDITURE (Thousands of Rand)

	1962-63.	1963-64.	1964-65.
	(R1,000)	(R1,000)	(R1,000)
1. Automatic subscribers' circuits.....	1,813	1,845	1,926
2. Manual subscribers' circuits.....	882	896	945
3. Farm lines.....	851	853	996
4. Exchange cable <sup>(1)</sup> .....	962	1,048	1,199
5. Automatic exchanges.....	1,543	1,741	1,830
6. Manual exchanges.....	421	453	534
7. Trunk switching equipment <sup>(2)</sup> .....	209	— <sup>(7)</sup>	—
8. Transmission equipment.....	786	874	955
9. Trunk lines.....	251	229	274
10. Trunk cables.....	29	27	30
11. Telegraph system.....	465	511	493
12. Overhaul of telephone equipment.....	861	886	957
13. Overhaul of teleprinters.....	111	94	95
14. Maintenance and replacement of tools.....	413	418	408
15. Radio and external services.....	350	375	336
16. Training.....	1,036	1,668	1,783
17. Recoveries and deviations <sup>(3)</sup> .....	911	1,026	1,175
18. Records <sup>(3)</sup> .....	245	244	262
19. Transport <sup>(4)</sup> .....	1,337	885	908
20. Miscellaneous <sup>(5)</sup> .....	416	456	452
TOTAL <sup>(6)</sup> .....	13,892	14,529	15,558

<sup>(1)</sup> Includes cable diverts and cross-connections on main frames.

<sup>(2)</sup> Cost of recovering, transferring and deviating plant of all types.

<sup>(3)</sup> Exchange cable and line records.

<sup>(4)</sup> Motor and rail transport.

<sup>(5)</sup> Includes repayable work, hire of facilities on Railway routes, holiday bonus, etc.

<sup>(6)</sup> Does not include the salaries of professional, administrative, clerical and certain technical supervisory personnel.

<sup>(7)</sup> Included in Automatic Switching Equipment as from 1st April, 1963.

**ORGANISASIE VAN DIE DEPARTEMENT VAN POS-EN-TELEGRAAFWESE  
VAN DIE REPUBLIEK VAN SUID-AFRIKA SOOS OP 1.1.1966**

**ORGANISATION OF THE DEPARTMENT OF POSTS AND TELEGRAPHS  
OF THE REPUBLIC OF SOUTH AFRICA AS AT 1.1.1966.**

