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бумажной форме из библиотечно-архивной службы МСЭ.

# **GENERAL TELEPHONE STATISTICS**

**COMPILED**

**FROM OFFICIAL DOCUMENTS**

**BY THE**

**GENERAL SECRETARIAT  
OF THE INTERNATIONAL TELECOMMUNICATION UNION**

=====

**Year 1954**

=====

**GENEVA**

**GENERAL SECRETARIAT OF THE INTERNATIONAL TELECOMMUNICATION UNION**

**1955**

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## GENERAL OBSERVATIONS

The letter E at the top of a column, under the name of the country, indicates: Operated by the Government.

The letter P at the top of a column, under the name of the country, indicates: Operated by private agencies.

Dashes in the columns indicate either that no information is available or that the service in question does not exist or has been suspended.

*The "explanatory notes" in the statistical table sent to offices for completion are given below. They show how certain headings are to be interpreted.*

### Explanatory Notes:

- (1) By telephone exchange is meant an automatic, semi-automatic or manual installation to which subscribers are connected, and which is operated by an Administration or private operating agency.
- (2) In the number of subscribers' lines include lines connecting service and public telephone stations with the central exchange.
- (3) Private telephone stations which cannot be connected with the general telephone network are not to be included among subscribers' stations.
- (4) All telephone stations put at the disposal of the public by Administrations or private operating agencies constitute public stations.
- (5) The length of a telephone circuit (defined on page 185 of the Yellow Book [Volume 1 bis] of the C.C.I.F.) is the length of the route followed by the conducting wires which form the circuit or are used for the circuit, i.e. the simple distance between the terminal exchanges measured along the actual route taken.
- (6) Where a submarine cable belongs to two Administrations or private operating agencies, these Administrations or private operating agencies should indicate in their statistical data only the length of that section of the cable which belongs to them.
- (7) No other categories of calls should be entered under this heading. If it is impossible to enumerate separately every category of call, this fact should be stated.
- (8) In internal trunk traffic, each broadcast transmission, whether it be received and broadcast by one or by several stations, should count as one unit only.
- (9) By transit traffic is meant the total number of chargeable minutes of calls passed in transit through the country in question with the actual intervention of an international terminal exchange situated within the territory of that country. Calls transmitted by a direct circuit over the territory of the country in question and set up without the intervention of a terminal exchange within such a country should not be regarded as transit traffic.
- (10) In international traffic, every country participating in a broadcast transmission, by the transmitting station or by one or more receiving stations, or as transit country, should record one unit.

If the transmission is intercepted within the transit country by one or more receiving stations, it should still be regarded by that country as an international broadcast transmission, and should not, therefore, figure in the statistics of internal traffic.

If a broadcast is transmitted in both the internal service and the international service, it must be recorded by the country of origin both as internal trunk traffic and as international traffic.

If the source of a broadcast is changed during transmission, each change shall be entered in the statistics as a new transmission.

# Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Afghanistan 1953 E	Argentine Republic E
I. Population of country according to last census . . . . .	—	18 919 123 <sup>1)</sup>
II. Area of country in square kilometres . . . . .	—	4 025 695
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	—	102
2) Semi-automatic exchanges . . . . .	—	—
3) Manual exchanges . . . . .	—	732
Total number of exchanges	—	834
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	1 746	589 387
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	4 076	—
3) Subscriber lines directly connected to manual exchanges . .	5 822	143 374
Total number of subscriber lines	5 822	732 761
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	992 591
2) Public stations (4) . . . . .	—	8 713 <sup>2)</sup>
Total number of stations	—	1 001 304
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .		2 675
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	46
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	—	86 663
b) phantom circuits . . . . .	—	23 903
c) carrier circuits . . . . .	—	201 054
d) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	—	24 364
b) four-wire physical circuits . . . . .	—	2 057
c) phantom circuits (two or four-wire) . . . . .	—	9 985
d) carrier circuits . . . . .	—	—
e) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	144
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	67
d) carrier circuits . . . . .	—	—

# Telephone Statistics 1954

(Chapters I—VI)

Argentine Republic P <sup>5)</sup>	Australia (Commonwealth of) E	Austria E	Belgian Congo and Territory of Ruanda-Urundi E	Belgium <sup>1)</sup> E	British East Africa Kenya, Uganda, and Tanganyika E
18 919 123 <sup>1)</sup>	8 983 239 <sup>2)</sup>	6 933 905	16 224 916 <sup>1)</sup>	8 841 000	19 763 000
4 025 695	7 704 164	83 867	2 355 800	30 636	1 762 400
29	965	212	4	221	33
—	—	—	—	83	5
254	6 189	1 845	32	324	192
283	7 154	2 057	36	628	230
51 784	684 429	238 712	4 453	450 986	14 020
—	—	—	—	5 848	61
10 621	365 197	48 604	2 852	132 512	8 575
62 405	1 049 626	287 316	7 305	589 346	22 656
78 737	1 457 485	472 534	13 604	828 676	40 809
231	18 028	6 852	78	1 729	253
78 968	1 475 513	479 386	13 682	830 405	41 062
—	—	—	—	—	—
—	—	12 520	7 349	38	14 773
—	—	—	303	11	672
—	440 664	34 134	—	10 498	—
—	35 798	3 699	—	—	—
—	760 641	4 272	—	—	—
—	—	—	—	—	—
—	126 069	—	—	278 726	—
—	42 527	—	—	31 601	—
—	60 838	—	—	89 253	—
—	58 247	—	—	59 800	—
—	—	—	—	—	—
—	—	—	—	1 608	—
—	—	—	—	—	4 689

# Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Afghanistan 1953 E	Argentine Republic E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	—	2 785 416 000
b) number of calls (regardless of duration) from public stations . . . . .	—	133 623 000
Total number of local calls . . . . .	—	2 919 039 000
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	12 165 239
ii) during periods of light traffic . . . . .	—	109 487 154
Total . . . . .	—	121 652 393
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	—	34 623 989
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	5 109
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total . . . . .	—	34 629 098
c) Number of préavis (including those not followed by calls)	—	—
Number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total . . . . .	—	—
3) International traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	378 787
heavy traffic . . . . .	—	3 328
light traffic . . . . .	—	3 409 083
ii) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	29 951
light traffic . . . . .	—	—
Total . . . . .	—	3 821 149
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	724 248
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	95
Total . . . . .	—	724 343
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls) . . . . .	—	—
number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total . . . . .	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment ( <i>optional</i> ) . . . . .	— <sup>3)</sup>	— <sup>3)</sup>
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	— <sup>4)</sup>	— <sup>4)</sup>

# Telephone Statistics 1954

(Chapters VII—IX)

Argentine Republic P <sup>5)</sup>	Australia (Commonwealth of) E	Austria E	Belgian Congo and Territory of Ruanda-Urundi E	Belgium <sup>1)</sup> E	British East Africa Kenya, Uganda, and Tanganyika E
360 993 951	915 646 349 <sup>4)</sup>	— <sup>1)</sup>	15 973 752	455 879 985	34 447 068
234 674	116 533 482 <sup>4)</sup>		8 412 636	464 292 621	
361 228 625	1 032 179 831	—	15 973 752	464 292 621	34 447 068
27 892 064	— <sup>5)</sup>	86 070 279	1 124 114 <sup>2)</sup>	— <sup>2)</sup>	—
		86 070 279	1 124 114	—	—
27 892 064	—				
6 123 141	81 772 798 <sup>6)</sup>	21 673 339	251 756 <sup>3)</sup>		
	—	191 148	—		
	—	3 656	—		
	—	2 005	—		
	— <sup>7)</sup>	535 644	—		
		11 100	—	73 367 932 <sup>3)</sup>	3 103 392
		532	—		
85	60 427	—	—		
	— <sup>5)</sup>	—	—		
6 123 226	81 833 225	22 417 424	251 756	73 367 932	3 103 392
	—	704 837	—	— <sup>2)</sup>	—
	— <sup>7)</sup>	128 237	—	—	—
	—	833 074	—	—	—
137 204	— <sup>5)</sup>	6 171 805	31 319 391		
		2 497 451	82 038		
	—	—	—		
137 204	—	254 557 <sup>4)</sup>	—		
		—			
50 775	42 627	8 669 256 <sup>2)</sup>	254 557	31 401 429	
	—	—	—		
6	— <sup>8)</sup>	2 307	—		
		—			
50 781	42 627	1 017 991	59 670	5 787 397	7 867
	—	—	—		
— <sup>6)</sup>	240 281 908 <sup>9)</sup>	—	143 520 700		13 135 985
— <sup>7)</sup>	262 301 670 <sup>9)</sup>	—	156 015 560		12 387 292

Telephone Statistics 1954  
(Chapters I—VI)

Statistical Item	British West Africa	
	Gold Coast and Togoland under United Kingdom Trusteeship <sup>1)</sup> E	Gold Coast and Togoland under United Kingdom Trusteeship <sup>3)</sup> E
I. Population of country according to last census . . . . .	4 462 500	4 478 000
II. Area of country in square kilometres . . . . .	249 160	249 163
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	2	2
2) Semi-automatic exchanges . . . . .	—	277
3) Manual exchanges . . . . .		
Total number of exchanges		279
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	3 726	4 654
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—
3) Subscriber lines directly connected to manual exchanges . .	6 358	7 179
Total number of subscriber lines	10 084	11 833
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	—
2) Public stations (4) . . . . .	—	370
Total number of stations	—	370
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	— <sup>4)</sup>
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	1	—
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	13 073 <sup>2)</sup>	18 275
b) phantom circuits . . . . .	—	—
c) carrier circuits . . . . .	1 738	2 198
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

Telephone Statistics 1954  
(Chapters I—VI)

British West Africa		Cambodia	Canada	Ceylon <sup>1)</sup>
Gambia E	Nigeria <sup>1)</sup> E	E	E P	E
281 000	31 000 000	4 100 000	14 624 000 <sup>1)</sup>	8 478 000 <sup>2)</sup>
10 213	1 075 000	173 000	9 960 555 <sup>1)</sup>	65 608
3	2	—	442	176
—	—	—	—	—
1	96	32	1 479	111
4	98	32	1 921 <sup>2)</sup>	287
389	—	—	1 475 807	
—	—	—	—	15 228
3	—	1 185	387 716	
392	—	1 185	1 863 523 <sup>2)</sup>	15 228
451	—	2 040		25 238
—	117	31	3 853 252	787
451	117	2 071	3 853 252 <sup>3)</sup>	26 025
—	—	—	—	894
2	—	—	—	5
80	10 332	1 126		29 215
—	6 832	48	—	—
80	—	—	—	—
—	—	—	—	—
3	24	—	—	—
—	—	—	—	35

# Telephone Statistics 1954

(Chapters VII-IX)

Statistical item	British West Africa	
	Gold Coast and Togoland under United Kingdom Trusteeship <sup>1)</sup> E	Gold Coast and Togoland under United Kingdom Trusteeship <sup>2)</sup> E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	11 880 000	14 464 000
b) number of calls (regardless of duration) from public stations . . . . .	120 000	146 000
<b>Total number of local calls</b>	<b>12 000 000</b>	<b>14 610 000</b>
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	9 615 348	7 600 000
ii) during periods of light traffic . . . . .	1 068 372	845 000
<b>Total</b>	<b>10 683 720</b>	<b>8 445 000</b>
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	2 101 940	1 611 500
urgent . . . . .	70 220	56 000
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	2 000	2 500
subscription . . . . .	—	—
fixed-time . . . . .	200 000	200 000
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
<b>Total</b>	<b>2 374 160</b>	<b>1 870 000</b>
c) Number of préavis (including those not followed by calls) Number of avis d'appel (including those not followed by calls) . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
3) International traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	—
ii) during period of terminal traffic (outgoing and incoming) light traffic (9) . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
c) number of préavis and avis d'appel, not including transit traffic: number of préavis (including those not followed by calls) number of avis d'appel (including those not followed by calls) . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
<b>VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .</b>	<b>2 150 000</b>	<b>—</b>
<b>IX. Total gross income in gold francs of the internal and international telephone services . . . . .</b>	<b>2 555 000</b>	<b>—</b>

# Telephone Statistics 1954

(Chapters VII-IX)

British West Africa	Cambodia	Canada	Ceylon <sup>1)</sup> E
698 421	29 814 730 6 036	35 040 000	5 580 325 000 54 451 590 856 180
698 421	29 820 766	35 040 000	5 580 325 000 <sup>2)</sup> 55 307 770
—	253 125 506 250	—	— <sup>4)</sup>
—	759 375	—	—
—	966 685	104 581	4 086 445
—	—	—	—
—	—	—	—
—	3 848	399	—
—	970 533	104 980	138 181 392 138 181 392 <sup>2)</sup> 4 086 445
—	— <sup>2)</sup>	—	— <sup>4)</sup>
—	—	—	—
11 316 37 872	— <sup>2)</sup>	—	—
—	—	—	—
49 188	—	—	—
—	—	—	55 097
—	— <sup>2)</sup>	—	— <sup>4)</sup>
—	—	—	—
—	— <sup>2)</sup>	—	— <sup>4)</sup>
—	—	—	—
61 200 <sup>1)</sup>	916 714	240 958	— <sup>5)</sup> 6 777 023
77 080 <sup>1)</sup>	1 827 303	589 651	— <sup>6)</sup> 7 633 906

Telephone Statistics 1954  
(Chapters I—VI)

Statistical item	Colonies, Protectorates, Overseas Territories and Territories under mandate or trusteeship of the United Kingdom		Cuba <sup>1)</sup>
	Hongkong P	P	
I. Population of country according to last census . . . . .	2 000 000 <sup>1)</sup>	5 833 000 <sup>2)</sup>	
II. Area of country in square kilometres . . . . .	1 005	114 524	
III. Number of exchanges in operation: (1)			
1) Automatic exchanges . . . . .	12	22	
2) Semi-automatic exchanges . . . . .	—	—	
3) Manual exchanges . . . . .	1	140	
Total number of exchanges	13	162	
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	33 205	99 035	
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—	
3) Subscriber lines directly connected to manual exchanges . . .	—	12 623	
Total number of subscriber lines	33 205	111 658	
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3) . . . . .	48 851	141 137	
2) Public stations (4) . . . . .	51	827	
Total number of stations	48 902	141 964	
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	500	
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	34	
3) Total length in kilometres of open wire circuits (internal and international): (5)			
a) physical circuits . . . . .	—	41 062	
b) phantom circuits . . . . .	—	4 729	
c) carrier circuits . . . . .	—	26 589	
4) Total length in kilometres of overhead or underground cable circuits (internal and international):			
a) two-wire physical circuits . . . . .	—	6 580	
b) four-wire physical circuits . . . . .	—	—	
c) phantom circuits (two or four-wire) . . . . .	—	—	
d) carrier circuits . . . . .	—	—	
5) Total length in kilometres of submarine cable circuits (internal and international): (6)			
a) two-wire physical circuits . . . . .	—	573 <sup>3)</sup>	
b) four-wire physical circuits . . . . .	—	—	
c) phantom circuits (two or four-wire) . . . . .	—	—	
d) carrier circuits . . . . .	—	6 728 <sup>3)</sup>	

Telephone Statistics 1954  
(Chapters I—VI)

Denmark		Egypt <sup>1)</sup>	Ethiopia	Federal German Republic	Finland
E	P				
4 414 355 <sup>1)</sup>	4 414 355 <sup>1)</sup>	21 935 000	17 700 000	49 516 300	4 215 000
42 936 <sup>1)</sup>	42 936 <sup>1)</sup>	—	1 232 300	245 339	337 009
50	35	16	4	3 104	310
—	25	—	—	—	129
104 <sup>2)</sup>	1 493	335	40	1 104	2 177
154	1 553	351	44	4 208	2 616
20 346	39 673	75 603	2 896	1 732 889	182 413
—	240 727	—	—	—	3 758
11 392	374 241	20 294	1 375	154 790	131 814
31 738	654 641	95 897	4 271	1 887 679	317 985
39 238	814 764	—	5 655	3 394 873	430 053
388	7 883	—	170	50 490	2 948
39 626	822 647	—	5 825	3 445 363	433 001
2 521	33 704	2 685	93 <sup>1)</sup>	68 852	—
247	—	5	3 <sup>2)</sup>	1 159	56
3 065	52 648	52 988	10 621	161 090	162 472
829	965	12 962	180	24 182	57 458
982	582	20 227	—	39 347	117 921
55 384	293 298	32 283	—	1 547 418	72 945
11 017	—	—	—	199 727	—
17 152	16 597	4 878	—	458 899	4 662
164 243	103 717	—	—	1 406 131	21 258
3 251	2 262	—	—	2 591	2 973
2 894	—	—	—	128	1 154
790	103	—	—	36	640
20 411	95	—	—	84	13 300

**Telephone Statistics 1954**  
(Chapters VII—IX)

Statistical item	Colonies, Protectorates, Overseas Territories and Territories under mandate or trusteeship of the United Kingdom		Cuba <sup>1)</sup>
	Hongkong P	P	
<b>VII. Traffic:</b>			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations . . . . .	—	—	
b) number of calls (regardless of duration) from public stations . . . . .	—	—	
Total number of local calls	—	—	
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic . . . . .	—	—	
ii) during period of light traffic . . . . .	—	—	
Total	—	—	
b) number of chargeable calls (regardless of duration):			
ordinary private (7) . . . . .	—		
urgent . . . . .	—		
lightning . . . . .	—		
distress . . . . .	—		
reversed charge . . . . .	—		
subscription . . . . .	—		
fixed-time . . . . .	—		
broadcast transmissions (8) . . . . .	—		
collective . . . . .	—		
picture transmissions between private stations . . . . .	—		
Total	—	5 530 819	
c) Number of préavis (including those not followed by calls) Number of avis d'appel (including those not followed by calls) . . . . .	—	—	
Total	—	—	
3) International traffic (outgoing, incoming and transit): (9)			
a) total number of chargeable minutes of conversation:			
i) during period of { terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—		
ii) during period of { terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—		
Total	1 393 679	—	
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7) . . . . .	236 720		
urgent . . . . .	—		
lightning . . . . .	—		
distress . . . . .	—		
reversed charge . . . . .	—		
subscription . . . . .	—		
fixed-time . . . . .	—		
broadcast transmissions (10) . . . . .	179		
collective . . . . .	—		
picture transmissions between private stations . . . . .	217		
Total	237 116	327 338	
c) number of préavis and avis d'appel, not including transit traffic: number of préavis (including those not followed by calls) number of avis d'appel (including those not followed by calls) . . . . .	—	—	
Total	—	—	
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .	—	—	
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	—	—	
	<sup>2)</sup>	—	
	<sup>3)</sup>	— <sup>4)</sup>	

**Telephone Statistics 1954**  
(Chapters VII—IX)

Denmark		Egypt <sup>1)</sup>	Ethiopia	Federal German Republic	Finland
E	P	E	E	E	E P
36 469 000	1 013 995 300	271 864 000 886 500	10 300 000 200 000	2 181 780 085	532 689 372
36 469 000	1 013 995 300	272 750 500	10 500 000	2 181 780 085	532 689 372
38 282 000	—	48 982 500	3 000 000	— <sup>2)</sup>	417 911 274
14 034 000	—	—	—	—	—
52 316 000 <sup>3)</sup>	—	48 982 500	3 000 000	—	417 911 274
22 429 000	142 567 900	10 885 000	500 000 <sup>3)</sup>	474 126 000	63 861 246
839	—	—	—	896 000	11 927 357
—	—	—	—	3 200	4 088
22 429 839	142 567 900	10 885 000	—	1 600	1 057
1 627 000	—	—	—	7 552 700	—
3 400	—	—	—	128 000	59 341
1 630 400	—	—	—	32 000	130 779
8 176 679	—	—	—	44 100	10 465
2 148 801	—	—	—	— <sup>2)</sup>	—
—	—	—	—	7 800	—
10 325 480	—	—	40 000	482 791 400 <sup>3)</sup>	75 994 333
1 695 506	—	—	8 874	7 119 700	462 754
83 530	—	—	—	59 300	21 437
964	—	—	—	—	87
—	—	—	—	109	—
8 590	—	—	—	180 900	—
3 122	—	—	—	3 600	2 819
347	—	—	—	4 300	1 684
—	—	—	—	5 500	316
837	—	—	—	18	—
—	—	—	—	2 300	433
1 792 896	—	—	8 874	7 375 727	489 530
734 719	—	—	—	946 502	—
734 719	—	—	—	10 581	77 303
—	—	—	—	957 083	77 303
—	—	—	—	— <sup>2)</sup>	— <sup>1)</sup>
—	—	—	—	762 155 237 <sup>1)</sup>	— <sup>1)</sup>

**Telephone Statistics 1954**  
(Chapters I—VI)

Statistical item	France E	Greece E
I. Population of country according to last census . . . . .	42 774 445	7 629 528
II. Area of country in square kilometres . . . . .	550 926	132 561
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	234 <sup>1)</sup>	50
2) Semi-automatic exchanges . . . . .	16 151 <sup>2)</sup>	—
3) Manual exchanges . . . . .	10 776	521
Total number of exchanges	27 161	571
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	851 209	85 187
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	254 599	—
3) Subscriber lines directly connected to manual exchanges . .	564 625	3 335
Total number of subscriber lines	1 670 433	88 522
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	2 903 624	105 789
2) Public stations (4) . . . . .	41 942	3 911
Total number of stations	2 945 566	109 700
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	97 211	1 703 <sup>1)</sup>
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	2 188	9 <sup>2)</sup>
3) Total length in kilometres of open-wire circuits (internal and international): (5)		
a) physical circuits . . . . .	647 203	38 800
b) phantom circuits . . . . .	123 686	2 337
c) carrier circuits . . . . .	171 574	20 362
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	1 115 924	—
b) four-wire physical circuits . . . . .	466 929	—
c) phantom circuits (two or four-wire) . . . . .	702 007	—
d) carrier circuits . . . . .	1 742 000	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	311	68
b) four-wire physical circuits . . . . .	108	—
c) phantom circuits (two or four-wire) . . . . .	142	—
d) carrier circuits . . . . .	5 220	—

**Telephone Statistics 1954**  
(Chapters I—VI)

Iceland E	India <sup>1)</sup> E	Indonesia (Republic of) E	Iraq <sup>1)</sup> E	Israel (State of) E	Italy E
155 000	356 829 000	80 000 000	5 000 000	1 718 038 <sup>1)</sup>	—
102 850	3 048 067	1 904 345 <sup>1)</sup>	435 415	20 700	—
3	110	2	8 <sup>2)</sup>	48	—
—	—	—	216	3	—
240	475	483	180	18	—
243	585	485	404	69	—
11 853	77 184	4 851	20 444	27 224	—
—	—	—	5 160	23	—
8 340	61 643	44 788	7 220	2 466	—
20 193	138 827	49 639	32 824	29 713	—
25 457	206 692	7 300	—	57 021	—
25 457	2 416	398	—	157	—
25 457	209 108	7 698	—	57 178	—
—	2 377	391	482 <sup>3)</sup>	722	2 227
—	36	—	20	9 <sup>2)</sup>	234
—	379 358	27 685	32 000	11 700	23 566
—	26 703	1 502	3 200	2 300	—
—	282 513	5 573	8 200	2 400	71 725
—	10 504	1 332	80 000	14 380	125 463
—	11	—	—	—	181 705
— <sup>2)</sup>	— <sup>2)</sup>	—	8 200	—	123 225
—	264	1	6.5	—	104 958
—	— <sup>2)</sup>	—	—	—	432
—	— <sup>2)</sup>	—	—	—	65
—	— <sup>2)</sup>	—	—	—	1 276

**Telephone Statistics 1954**  
(Chapters VII—IX)

Statistical Item	France E	Greece E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	1 608 864 639 <sup>3)</sup>	275 676 517 <sup>3)</sup>
b) number of calls (regardless of duration) from public stations . . . . .	4 602 401	
Total number of local calls . . . . .	1 608 864 639	280 278 918
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	—
ii) during period of light traffic . . . . .	—	—
Total . . . . .	—	—
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .		4 946 004
urgent . . . . .		175 997
lightning . . . . .		39 277
distress . . . . .		—
reversed charge . . . . .		—
subscription . . . . .		—
fixed-time . . . . .		—
broadcast transmissions (8) . . . . .		—
collective . . . . .		—
picture transmissions between private stations . . . . .		—
Total . . . . .	490 757 896	5 161 278
c) Number of préavis (including those not followed by calls)	—	513 411
Number of avis d'appel (including those not followed by calls) . . . . .	—	884 601
Total . . . . .	—	1 398 012
3) International traffic (outgoing, incoming and transit): (9)		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	37 240 163	436 184
heavy traffic . . . . .	382 365 <sup>6)</sup>	110
ii) during period of terminal traffic (outgoing and incoming) light traffic (9) . . . . .	—	—
Total . . . . .	37 622 528	436 294
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	60 642
urgent . . . . .	—	12 879
lightning . . . . .	—	16
distress . . . . .	—	—
reversed charge . . . . .	—	1 129
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	40
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total . . . . .	—	74 706
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls) . . . . .	—	26 701
number of avis d'appel (including those not followed by calls) . . . . .	—	498
Total . . . . .	—	27 199
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment ( <i>optional</i> ) . . . . .	732 900 000 <sup>5)</sup>	—
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	—	—

**Telephone Statistics 1954**  
(Chapters VII—IX)

Iceland E	India <sup>1)</sup> E	Indonesia (Republic of) E	Iraq <sup>1)</sup> E	Israel (State of) E	Italy E
59 204 232	— <sup>3)</sup>	—	—	85 032 931 1 133 616	—
59 204 232	—	—	—	86 166 547	—
—	— <sup>3)</sup>	10 961 004 6 952 561	—	17 215 298	—
—	—	17 913 565 <sup>2)</sup>	—	17 215 298	—
1 508 350	9 923 074 2 578 847	1 959 590 943 395 209 150 15	—	—	26 622 948 3 262 530 949 066
1 508 350	12 501 921	3 112 150 <sup>3)</sup>	—	3 999 760	—
—	— <sup>3)</sup>	1 662 929 1 933	—	—	2 420 499
—	—	4 664 862	—	—	2 420 499
44 383	— <sup>3)</sup>	150 466	—	96 165	11 434 516
44 383	—	150 466	—	96 165	11 434 516
7 853	93 216 <sup>4)</sup>	21 914	—	—	3 649 054 138 023
7 853	—	—	—	—	16 236
7 853	— <sup>3)</sup>	—	—	16 607	8 192
7 853	93 216	21 915	—	16 607	3 811 505
—	— <sup>3)</sup>	—	—	—	164 373
—	—	—	—	—	23 783
—	—	—	—	—	188 156
—	54 735 209 <sup>5)</sup>	22 806 744	—	—	—
—	73 803 755 <sup>5)</sup>	30 493 971	—	20 333 490	—

**Telephone Statistics 1954**  
(Chapters I—VI)

Statistical item	Italy	Japan
	P <sup>1) 2)</sup>	P
I. Population of country according to last census . . . . .	47 587 000	88 800 000 <sup>1)</sup>
II. Area of country in square kilometres . . . . .	301 093	371 050 <sup>2)</sup>
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	1 279	182
2) Semi-automatic exchanges . . . . .	1 776	—
3) Manual exchanges . . . . .	5 791	7 811
Total number of exchanges	8 846	7 993
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	1 338 952	924 943
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	17 612	—
3) Subscriber lines directly connected to manual exchanges . .	91 388	1 041 258
Total number of subscriber lines	1 447 952	1 966 201
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	1 791 243	2 794 454
2) Public stations (4) . . . . .	37 073	31 464
Total number of stations	1 828 316	2 825 918
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	12 458	36 578
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	44	28
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	113 386	—
b) phantom circuits . . . . .	—	—
c) carrier circuits . . . . .	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	174 785	— <sup>3)</sup>
b) four-wire physical circuits . . . . .	160 524 <sup>3)</sup>	—
c) phantom circuits (two or four-wire) . . . . .		—
d) carrier circuits . . . . .		—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
		6 289 <sup>4)</sup>

**Telephone Statistics 1954**  
(Chapters I—VI)

Laos 1953	Libya	Luxembourg	Malaya-British Borneo Group		
			Malaya 1953 E	Malaya 1954 E	North Borneo 1953 E
1 250 000	1 250 000	304 963	5 815 000	5 983 000	334 141
236 800	1 240 000	2 586	131 000	131 000	— <sup>1)</sup>
—	15	19	162	180	3
—	—	—	—	—	—
4	19	33	66	61	26
4	34	52	228	241	29
—	3 821	13 876	13 444	16 863	548
—	—	—	—	—	—
241	765	6 529	11 524	12 707	271
241	4 586	20 405	24 968	29 570	819
—	—	—	—	—	—
273	7 769	29 437	38 765	46 084	—
—	9	424	244	272	25
273	7 778	29 861	39 009	46 356	25
—	—	—	—	—	—
4	57	830	1 141	1 324	14
—	8	159	4	7	—
501	5 662	4 500	31 730	36 140	827
—	64	490	—	—	—
—	1 889	—	31 551	37 786	—
—	—	—	—	—	—
—	—	6 200	1 101	3 266	391
—	—	—	106	263	—
—	—	240	—	—	—
—	—	2 130	—	—	—
—	—	—	—	—	—
—	—	—	300	343	—
—	—	—	—	—	—
—	—	—	183	148	—

## Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Italy P <sup>1) 2)</sup>	Japan P
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	2 599 694 036	9 251 000 000 <sup>4)</sup>
b) number of calls (regardless of duration) from public stations . . . . .	187 305 964	
Total number of local calls	2 787 000 000	9 251 000 000
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	{ 363 873 078	{ 3 038 079 000 <sup>4)</sup>
ii) during periods of light traffic . . . . .		
Total	363 873 078	3 038 079 000
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	118 088 932	470 278 637
urgent . . . . .	{ 3 202 094	62 512 648
lightning . . . . .		37 278 185
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	1 147 021 <sup>5)</sup>
fixed-time . . . . .	—	917 617
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	121 291 026	572 134 108
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls) . . . . .	{ 17 874 202	—
Total	17 874 202	—
3) International traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of { terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	1 292 123
ii) during period of { terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	
Total	—	1 292 123
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	1 280 074	
urgent . . . . .	12 505	
lightning . . . . .	905	
distress . . . . .	—	
reversed charge . . . . .	—	
subscription . . . . .	—	
fixed-time . . . . .	—	
broadcast transmissions (10) . . . . .	—	
collective . . . . .	—	
picture transmissions between private stations . . . . .	—	
Total	1 293 484 <sup>4)</sup>	196 909
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)		
number of avis d'appel (including those not followed by calls) . . . . .	{ 27 524	—
Total	27 524	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .	—	— <sup>6)</sup>
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	—	— <sup>7)</sup>

## Telephone Statistics 1954

(Chapters VII—IX)

Laos 1953 E	Libya E	Luxembourg E	Malaya-British Borneo Group		
			Malaya 1953 E	Malaya 1954 E	North Borneo 1953 E
355 320	—	— <sup>1)</sup>	117 881 000	119 664 000	—
—	—	—	170 000	165 000	—
355 320	—	—	118 051 000	119 829 000	—
3 414	1 805 764	— <sup>1)</sup>	47 342 000	52 500 000	—
1 253	902 882	—	—	—	—
4 667	2 708 646	—	47 342 000	52 500 000	—
3 212	—	— <sup>1)</sup>	11 835 000	15 096 000	—
—	—	—	—	—	—
3 212	—	—	11 835 000	15 096 000	—
—	—	—	592 000	603 000	—
—	—	32 634	32 634	592 000	603 000
—	—	—	—	—	—
—	13 640	4 303 814	—	—	—
—	11 145	360	4 299 <sup>1)</sup>	5 672 <sup>1)</sup>	—
—	24 785	4 304 174	4 299	5 672	—
—	3 750	843 041	—	—	—
—	—	19 197	—	—	—
—	—	463	—	—	—
—	—	—	—	—	—
—	—	1 624	—	—	—
—	—	304	—	—	—
—	—	116	—	—	—
—	—	1 438	—	—	—
—	—	—	—	—	—
—	3 750	866 183	—	—	—
—	—	44 055	—	—	—
—	—	1 441	916	1 175	—
—	—	45 496	916	1 175	—
—	—	—	—	—	—
97 392	—	4 848 631	12 022 850	14 133 000	— <sup>2)</sup>
—	—	—	12 804 970	15 146 000	— <sup>3)</sup>

Telephone Statistics 1954  
(Chapters I—VI)

Statistical item	Malaya-British Borneo Group	
	North Borneo 1954 E	Sarawak 1953 E
I. Population of country according to last census . . . . .	367 753	610 000
II. Area of country in square kilometres . . . . .	76 135	121 000
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	3	—
2) Semi-automatic exchanges . . . . .	—	—
3) Manual exchanges . . . . .	22	6
Total number of exchanges	25	6
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	619	—
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—
3) Subscriber lines directly connected to manual exchanges . .	286	720
Total number of subscriber lines	905	720
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	720
2) Public stations (4) . . . . .	—	—
Total number of stations	—	720
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	16	—
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	—
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	683	—
b) phantom circuits . . . . .	—	—
c) carrier circuits . . . . .	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	—	900
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

Telephone Statistics 1954  
(Chapters I—VI)

Malaya-British Borneo Group	Monaco	Morocco (French Protectorate of)	Netherlands, Surinam, Netherlands Antilles, New Guinea	
			Sarawak 1954 E	Singapore E
610 000	20 202	8 004 000	10 680 000	230 500
121 000	1.5	390 800	32 437	142 820
—	8	15	860	2
—	—	290 <sup>1)</sup>	—	—
6	—	384	450	7
6	8	689	1 310	9
—	20 498	2 963	38 873	634 362
—	—	—	4 136	2 028
720	—	—	14 256	50 219
720	20 498	2 963	57 265	684 581
720	33 174	6 156	90 925	1 018 139
—	79	18	726	3 063
720	33 253	6 174	91 651	1 021 202
—	—	—	—	3 166
—	97	—	1 315	25 978 <sup>1)</sup>
—	11	91	54	658 <sup>2)</sup>
—	—	—	46 197	4 364
—	—	—	9 927	63
—	—	—	36 061	106
900	48	32 522	630 851	208
—	24	13 075	131 588	—
—	—	32 808	20 806	17
—	—	—	1 000 000	—
—	—	—	—	10
—	—	—	—	—
—	—	—	—	—
—	—	—	24 660	—
—	—	—	—	—

**Telephone Statistics 1954**  
(Chapters VII—IX)

Statistical Item	Malaya-British Borneo Group	
	North Borneo 1954 E	Sarawak 1953 E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	—	— <sup>1)</sup>
b) number of calls (regardless of duration) from public stations	—	—
Total number of local calls	—	—
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	—
ii) during period of light traffic . . . . .	—	—
Total	—	—
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	—	—
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total	—	—
3) International traffic (outgoing, incoming and transit): (9)		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	—
ii) during period of terminal traffic (outgoing and incoming) light traffic (9) . . . . .	—	—
Total	—	—
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	—	—
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)	—	—
number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .	— <sup>4)</sup>	—
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	— <sup>5)</sup>	—

**Telephone Statistics 1954**  
(Chapters VII—IX)

Malaya-British Borneo Group	Monaco	Morocco (French Protectorate of)	Netherlands, Surinam, Netherlands Antilles, New Guinea		
			Sarawak 1954 E	Singapore E	Netherlands E
— <sup>1)</sup>	1 993 817	53 531 938 <sup>2)</sup>	708 852 418 <sup>3)</sup>	4 829 000	
—	440 570	53 163			
—	147 876 863	2 046 980	53 531 938	708 852 418	4 829 000
—	1 648 340	232 816 121 735	—	—	—
—	1 648 340	354 551	—	—	—
—	—	76 397 439	228 729 538 <sup>4)</sup> 266 880 13 102	431 000	
—	—	—	—	—	
—	—	3 691 1 021 113 4 832 639	9 620 493 <sup>3)</sup> 4 554 2 443 252 82	—	
—	—	87 132	9 620 493	229 016 851	431 000
—	—	2 637	—	49 947	—
—	—	3 412	—	70 726	—
—	—	6 049	—	120 673	—
—	27 434 <sup>1)</sup>	79 691 61 338	610 476	28 434 988	—
—	27 434	141 029	610 476	28 434 988	—
—	—	39 206	—	5 256 086 73 069 1 564	—
—	—	—	122 581	40 906 4 900 6 187 1 777	—
—	—	66	—	—	—
—	—	39 272	122 581	5 385 025 <sup>5)</sup>	—
—	—	279	—	765 190	—
—	—	234	57 693	1 882	—
—	—	513	57 693	767 072	—
—	—	917 634	—	162 918 352	—
—	—	1 222 121	21 768 115	182 608 794	—

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Netherlands, Surinam, Netherlands Antilles, New Guinea	
	Netherlands Antilles	
	Aruba E	Curaçao E
I. Population of country according to last census . . . . .	55 912	115 000
II. Area of country in square kilometres . . . . .	113	430
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	2	4
2) Semi-automatic exchanges . . . . .	—	32
3) Manual exchanges . . . . .	—	2
Total number of exchanges	2	38
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	1 363	3 627
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	128
3) Subscriber lines directly connected to manual exchanges . .	—	—
Total number of subscriber lines	1 363	3 755
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	—
2) Public stations (4) . . . . .	—	—
Total number of stations		
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	—
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	—
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	—	—
b) phantom circuits . . . . .	—	—
c) carrier circuits . . . . .	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

## Telephone Statistics 1954

(Chapters I—VI)

Netherlands, Surinam, Netherlands Antilles, New Guinea	New Zealand <sup>1)</sup>		Norway <sup>1)</sup>	Overseas Territories of the French Republic and Territories administered as such		
	1953-1954			Cameroon (Territory under French Trusteeship)	French Equatorial Africa	
	E	E P				
728 392 <sup>1)</sup>	2 130 927	1 224 450	3 375 870	3 119 760	4 400 000	
421 080 <sup>2)</sup>	268 560	148 000	323 917	425 000	2 510 000	
—	80	—	415	—	1	
—	—	—	26	—	—	
11	325	19	2 962	48	14	
11	405	19	3 403	48	15	
—	165 477	—	227 344	—	856	
—	—	—	295	—	—	
533	76 976	—	121 262	1 125	1 408	
533	242 453	—	348 901	1 125	2 264	
797	492 210	3 568	552 205	2 502	4 491	
—	4 083	58	5 869	48	37	
797	496 293	3 626	558 074	2 550	4 528	
—	—	—	5 024 <sup>2)</sup>	25	31	
—	—	—	103 <sup>3)</sup>	—	8	
—	—	—	3 088	105 170	991	
—	—	—	144	29 544	8	
—	—	—	—	131 324	1 020	
—	—	—	—	—	—	
—	—	—	78 625	—	37.5	
—	—	—	6 843	—	—	
—	—	—	24 520	—	—	
—	—	—	10 284	—	—	
—	—	—	—	—	—	
—	—	—	5 111	2.5	—	
—	—	—	1 137	—	—	
—	—	—	24	—	—	
—	—	—	1 659	—	—	

# Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Netherlands, Surinam, Netherlands Antilles, New Guinea	
	Netherlands Antilles	
	Aruba E	Curaçao E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	—	—
b) number of calls (regardless of duration) from public stations . . . . .	—	—
Total number of local calls	—	—
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	—
ii) during periods of light traffic . . . . .	—	—
Total	—	—
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	—	—
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total	—	—
3) International traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	—
ii) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	—
Total	—	—
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	—	—
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)		
number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total	—	—
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment ( <i>optional</i> ) . . . . .	— <sup>3)</sup>	— <sup>3)</sup>
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	121 207	— <sup>3)</sup>

# Telephone Statistics 1954

(Chapters VII—IX)

Netherlands, Surinam, Netherlands Antilles, New Guinea	New Zealand <sup>1)</sup> E	Nicaragua <sup>1)</sup> 1953-1954 E	Norway <sup>1)</sup> E P	Overseas Territories of the French Republic and Territories administered as such	
				Cameroon (Territory under French Trusteeship) E	French Equatorial Africa E
Netherlands New Guinea E	—	210 980	471 863 812	2 786 100	2 845 000
	—	210 980	471 863 812	2 786 100	2 845 000
	—	—	174 982 478 <sup>4)</sup>	—	248 822
	—	—	174 982 478	—	248 822
	34 020 778	317 479	40 979 517 1 427 992	76 258 <sup>1)</sup>	55 545
	34 020 778	317 479	42 496 953	76 258	55 545
	—	—	12 569 458	—	11 118
	—	—	12 569 458	—	11 118
	116 871	—	3 931 427 217 1 486 548 39	1 086	81 390
	116 871	—	5 418 231	1 086	81 390
	25 087	—	916 275 72 818 <sup>6)</sup> 298	215	26 250
	25 087	—	3 877 <sup>8)</sup> 398 379 <sup>7)</sup>	—	—
	25 087	—	994 045	215	26 250
	—	—	590 625	51	2 758
	—	—	590 625	51	2 758
	— <sup>3)</sup>	—	67 699 938	—	—
	121 207	— <sup>3)</sup>	65 096 247	493 661	1 442 578

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Oversea Territories of the French Republic and Territories administered as such	
	French Settlements in Oceania E	French Somaliland E
I. Population of country according to last census . . . . .	63 000	47 000
II. Area of country in square kilometres . . . . .	4 000	23 000
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	—	—
2) Semi-automatic exchanges . . . . .	—	—
3) Manual exchanges . . . . .	15	1
Total number of exchanges	15	1
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	—	—
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—
3) Subscriber lines directly connected to manual exchanges . .	593	305
Total number of subscriber lines	593	305
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	710	592
2) Public stations (4) . . . . .	51	2
Total number of stations	761	594
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	34	—
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	—
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	281	—
b) phantom circuits . . . . .	—	—
c) carrier circuits . . . . .	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	208	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Oversea Territories of the French Republic and Territories administered as such					Pakistan <sup>1)</sup> E
	French West Africa E	Madagascar and Dependencies E	New Caledonia and Dependencies E	St. Pierre and Miquelon E	Togo (Territory under French Trusteeship) E	
I. Population of country according to last census . . . . .	17 336 000	4 500 000	62 000	4 600	1 029 946	75 842 000
II. Area of country in square kilometres . . . . .	4 741 371	591 550	19 000	242	54 000	587 338
III. Number of exchanges in operation: (1)						
1) Automatic exchanges . . . . .	4	1	—	—	—	62
2) Semi-automatic exchanges . . . . .	—	—	—	—	—	—
3) Manual exchanges . . . . .	291	158	58	1	18	377
Total number of exchanges	295	159	58	1	18	439
IV. Number of subscriber lines in operation: (2)						
1) Subscriber lines directly connected to automatic exchanges .	4 596	2 015	—	—	—	23 878
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—	—	—	—	—
3) Subscriber lines directly connected to manual exchanges . .	6 616	2 817	1 282	243	379	6 337
Total number of subscriber lines	11 212	4 832	1 282	243	379	30 215
V. Number of stations in operation:						
1) Private stations (including supplementary and service stations) (3) . . . . .	19 035	8 614	1 907	265	759	34 970
2) Public stations (4) . . . . .	345	192	82	—	58	392
Total number of stations	19 380	8 806	1 989	265	817	35 362
VI. Number of trunk and international circuits in operation:						
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	298	—	102	300	29	652
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	1	—	—	—	3	22
3) Total length in kilometres of open wire circuits (internal and international): (5)						
a) physical circuits . . . . .	18 580 <sup>1)</sup>	6 809	3 750	—	2 994	55 671
b) phantom circuits . . . . .	1 025	740	2 600	—	—	4 718
c) carrier circuits . . . . .	2 643	2 035	—	—	—	25 576
4) Total length in kilometres of overhead or underground cable circuits (internal and international):						
a) two-wire physical circuits . . . . .	5 700	—	—	21	—	910
b) four-wire physical circuits . . . . .	—	—	—	—	—	—
c) phantom circuits (two or four-wire) . . . . .	837	—	—	—	—	40
d) carrier circuits . . . . .	—	—	—	—	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)						
a) two-wire physical circuits . . . . .	12	—	—	—	—	85
b) four-wire physical circuits . . . . .	—	—	—	—	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—	—	—	—	—
d) carrier circuits . . . . .	—	—	—	—	—	20

# Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Oversea Territories of the French Republic and Territories administered as such	
	French Settlements in Oceania E	French Somaliland E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	327 548	535 000
b) number of calls (regardless of duration) from public stations . . . . .	16 822	850
Total number of local calls . . . . .	344 370	535 850 <sup>1)</sup>
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	—
ii) during periods of light traffic . . . . .	—	—
Total . . . . .	—	—
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	60 450	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total . . . . .	60 450	—
c) Number of préavis (including those not followed by calls) . . . . .	—	—
Number of avis d'appel (including those not followed by calls) . . . . .	—	—
Total . . . . .	—	—
3) International traffic (outgoing, incoming and transit) (9):		
a) total number of chargeable minutes of conversation:		
i) during period of { terminal traffic (outgoing and incom- heavy traffic { ing) transit traffic (9) . . . . .	—	—
ii) during period of { terminal traffic (outgoing and incom- light traffic { ing) transit traffic (9) . . . . .	—	807
Total . . . . .	—	807
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	10	269
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total . . . . .	10	269
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls) . . . . .	—	168
number of avis d'appel (including those not followed by calls) . . . . .	14	—
Total . . . . .	14	168
<b>VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .</b>		119 173
<b>IX. Total gross income in gold francs of the internal and international telephone services . . . . .</b>	116 306	84 307

# Telephone Statistics 1954

(Chapters VII—IX)

Oversea Territories of the French Republic and Territories administered as such					Pakistan <sup>1)</sup> E
French West Africa E	Madagascar and Dependencies E	New Caledonia and Dependencies E	St. Pierre and Miquelon E	Togo (Territory under French Trusteeship) E	
13 399 000	8 695 850	1 358 000	550 000	215 000	— <sup>2)</sup>
101 000		2 300	—	166	
13 500 000	8 695 850	1 360 300	550 000	215 166	—
5 517 000	1 780 281	808 637	—	700 000	— <sup>2)</sup>
		808 637	—	700 000	—
1 218 000	593 427	202 879	—	131 000	1 413 273
		—	—	—	303 450
		—	—	—	—
		—	—	—	—
		—	—	—	—
		—	—	—	—
		—	—	—	—
		—	—	—	—
1 218 000	593 427	216 819	—	131 000	1 716 723
2 700		272	—	886	
16 800	24 150	—	—	1 760	— <sup>2)</sup>
19 500	24 150	272	—	2 646	—
96 300	20 304	—	—	15 500	— <sup>2)</sup>
		1 799	—	90	
		—	—	—	
96 300	20 304	1 799	—	15 590	—
		—	—	—	
17 540	3 249	433	—	4 000	
		—	—	—	
		—	—	—	
		—	—	—	
17 540	3 249	433	—	4 000	201 809
		—	—	—	
11 440	1 863	212	—	29	
		—	—	21	
11 440	1 863	212	—	50	—
		—	—	—	
6 282 000	—	236 762	—	356 258	— <sup>2)</sup>

**Telephone Statistics 1954**  
(Chapters I—VI)

Statistical item	Panama	Paraguay 1953
	E	E
I. Population of country according to last census . . . . .	885 000	1 405 627
II. Area of country in square kilometres . . . . .	75 475	406 752
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	2	1
2) Semi-automatic exchanges . . . . .	—	1
3) Manual exchanges . . . . .	28	60
Total number of exchanges	30	62
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	14 671	3 493
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	42
3) Subscriber lines directly connected to manual exchanges . .	2 611	718
Total number of subscriber lines	17 282	4 253
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	5 672
2) Public stations (4) . . . . .	125	—
Total number of stations		5 672
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	71	28
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	1
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	8 630	909
b) phantom circuits . . . . .	—	522
c) carrier circuits . . . . .	—	—
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	204	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

**Telephone Statistics 1954**  
(Chapters I—VI)

Peru	Philippines (Republic of the)			Portugal
	1953 <sup>1)</sup> E P <sup>2)</sup>	1954 <sup>4)</sup> E P <sup>2)</sup>	E	
—	—	—	19 234 182 <sup>3)</sup>	8 441 000 <sup>1)</sup>
—	—	—	299 400	91 721
—	9	2	7	76
—	—	1	—	19
118	4	9	24	899
118	13	12	31	32
—	27 035	4 172	18 860	21 345
—	—	415	—	16 053
7 945	274	654	8 688	537
7 945	27 309	5 241	27 548	45 356
—	—	—	30 070	61 946
9 393	45 230	6 148	40 660	48 486
99	75	17	165	77 339
9 492	45 305	6 165	40 825	187
—	—	—	48 673	2 770
—	—	—	—	80 109
236	8	14	566	4 501
—	—	—	12	22
7 303	160	1 054	10 354	42 772
2 125	80	120	903	14 063
10 422	80	644	246	107 089
—	—	—	—	—
95	—	—	29 403	30 114
—	—	—	4	—
—	—	—	0.5	—
—	—	—	31	31
—	—	—	—	—
—	—	—	—	121

# Telephone Statistics 1954

## (Chapters VII—IX)

Statistical item	Panama	Paraguay 1953
	E	E
<b>VII. Traffic:</b>		
1) <i>Local traffic:</i>		
a) number of calls (regardless of duration) from subscriber stations . . . . .	74 183 007	— <sup>1)</sup>
b) number of calls (regardless of duration) from public stations . . . . .	—	—
<b>Total number of local calls</b>	<b>74 183 007</b>	<b>—</b>
2) <i>Trunk traffic:</i>		
a) number of chargeable <i>minutes</i> of conversation		
i) during periods of heavy traffic . . . . .	—	387 690
ii) during periods of light traffic . . . . .	—	193 844
<b>Total</b>	<b>—</b>	<b>581 534</b>
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	266 072	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
<b>Total</b>	<b>266 072</b>	<b>—</b>
c) Number of préavis (including those not followed by calls)		
Number of avis d'appel (including those not followed by calls) . . . . .	—	56 288
<b>Total</b>	<b>—</b>	<b>28 143</b>
<b>Total</b>	<b>—</b>	<b>84 431</b>
3) <i>International traffic</i> (outgoing, incoming and transit) (9):		
a) total number of chargeable <i>minutes</i> of conversation:		
i) during period of terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	79 841
ii) during period of terminal traffic (outgoing and incoming) light traffic (9) . . . . .	—	39 620
<b>Total</b>	<b>—</b>	<b>119 461</b>
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls) . . . . .	—	—
number of avis d'appel (including those not followed by calls) . . . . .	—	—
<b>Total</b>	<b>—</b>	<b>—</b>
<b>VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional)</b> . . . . .	<b>—</b>	<b>3 024 286</b>
<b>IX. Total gross income in gold francs of the internal and international telephone services</b> . . . . .	<b>—</b>	<b>4 185 505</b>

## Telephone Statistics 1954 (Chapters VII—IX)

Peru			Philippines (Republic of the)		Portugal
P <sup>1)</sup>	P <sup>2)</sup>	P <sup>3)</sup>	1953 <sup>1)</sup> E P <sup>2)</sup>	1954 <sup>4)</sup> E P <sup>2)</sup>	
—	175 948 500 1 333 338	34 500 000 9 000	284 003 000 8 274 675	312 666 160 8 575 650	39 207 000 1 719 000
—	177 281 838	34 509 000	292 277 675	321 241 810	40 926 000
—	3 234 172 1 388 056	736 000	— 603 405	— 808 229	51 672 225 16 677 279
—	4 622 228	736 000	603 405	808 229	68 349 504
2 032 733	1 155 557	179 000	198 054	265 452	15 054 345
—	—	—	—	—	283 628
—	—	—	—	—	137 849 <sup>2)</sup>
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	21 447
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
2 032 733	1 155 557	179 000	198 054	265 452	15 502 269
—	—	—	—	—	63 766
—	—	36 000	—	—	345 155
—	—	36 000	—	—	408 921
—	103 282	—	—	—	891 152
—	—	—	—	—	—
—	—	—	130 615	150 745	281 926
—	103 282	—	130 615	150 745	1 173 078
—	14 993	—	198 054	265 452	191 900
—	—	—	—	—	7 716
—	—	—	—	—	145
—	—	—	—	—	3 258 <sup>2)</sup>
—	—	—	—	—	236
—	—	—	—	—	—
—	—	—	—	—	149
—	—	—	—	—	140
—	14 993	—	198 054	265 452	203 544
—	—	—	—	—	26 853
—	—	—	—	—	1 388
—	—	—	—	—	28 241
—	—	— <sup>4)</sup>	9 968 704	11 110 877	18 999 453
—	—	— <sup>5)</sup>	12 724 063	14 351 090	19 359 958

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Portugal P	Portuguese Oversea Provinces	
		Angola E	
I. Population of country according to last census . . . . .	8 441 000 <sup>1)</sup>	4 145 184	
II. Area of country in square kilometres . . . . .	91 721	1 246 700	
III. Number of exchanges in operation: (1)			
1) Automatic exchanges . . . . .	16	1	
2) Semi-automatic exchanges . . . . .	24	1	
3) Manual exchanges . . . . .	109	5	
Total number of exchanges	149	7	
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	88 257	—	
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	498	—	
3) Subscriber lines directly connected to manual exchanges . .	24 506	—	
Total number of subscriber lines	113 261	—	
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3) . . . . .	150 777	2 518	
2) Public stations (4) . . . . .	1 078	153	
Total number of stations	151 855	2 671	
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	1 693	—	
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	2	
3) Total length in kilometres of open wire circuits (internal and international): (5)			
a) physical circuits . . . . .	5 814	11 262 <sup>1)</sup>	
b) phantom circuits . . . . .	10	—	
c) carrier circuits . . . . .	61	—	
4) Total length in kilometres of overhead or underground cable circuits (internal and international):			
a) two-wire physical circuits . . . . .			
b) four-wire physical circuits . . . . .			
c) phantom circuits (two or four-wire) . . . . .			
d) carrier circuits . . . . .	14 579	—	
5) Total length in kilometres of submarine cable circuits (internal and international): (6)			
a) two-wire physical circuits . . . . .			
b) four-wire physical circuits . . . . .			
c) phantom circuits (two or four-wire) . . . . .			
d) carrier circuits . . . . .	434	—	

## Telephone Statistics 1954

(Chapters I—VI)

Portuguese Oversea Provinces					
Cape Verde Islands E	Macao E	Mozambique E	Portuguese Guinea E	Portuguese India E	Portuguese Timor E
147 097	200 000	5 738 911	510 777	637 591	442 378
4 033	15.5	771 125	36 125	3 983	18 990
—	1	2	—	—	—
—	3 <sup>1)</sup>	—	—	—	—
—	1	45	3	1	25
—	5	47	3	1	25
—	1 768	—	—	—	—
—	26 <sup>2)</sup>	—	—	—	—
107	9	—	231	205	338
107	1 803	—	231	205	338
—	—	—	—	—	—
126	1 803	7 025	266	218	302
—	—	306	8	3	53
126	1 803	7 331	274	221	355
—	—	—	—	—	—
19	3	—	11	5	25
—	10	—	—	1	—
—	—	—	—	—	—
336	181	—	748	111	3 346
—	—	—	—	—	—
—	78	—	—	1.4	—
—	—	—	—	—	—
—	—	—	—	—	—
—	6	—	—	—	—
—	—	—	—	—	—

## Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Portugal		Portuguese Oversea Provinces	
	P	E	Angola	
<b>VII. Traffic:</b>				
1) Local traffic:				
a) number of calls (regardless of duration) from subscriber stations . . . . .	157 248 000		5 549 356	
b) number of calls (regardless of duration) from public stations . . . . .	10 556 000		—	
Total number of local calls . . . . .	167 804 000		5 549 356	
2) Trunk traffic:				
a) number of chargeable minutes of conversation				
i) during periods of heavy traffic . . . . .	—		233 004	
ii) during period of light traffic . . . . .	—		—	
Total . . . . .	—		233 004	
b) number of chargeable calls (regardless of duration):				
ordinary private (7) . . . . .	18 610 461		77 668	
urgent . . . . .	—		—	
lightning . . . . .	—		—	
distress . . . . .	—		—	
reversed charge . . . . .	—		—	
subscription . . . . .	—		—	
fixed-time . . . . .	—		—	
broadcast transmissions (8) . . . . .	—		1 683	
collective . . . . .	—		—	
picture transmissions between private stations . . . . .	—		—	
Total . . . . .	18 610 461		79 351	
c) Number of préavis (including thos not followed by calls) Number of avis d'appel (including those not followed by calls) . . . . .	—		—	
Total . . . . .	—		—	
3) International traffic (outgoing, incoming and transit): (9)				
a) total number of chargeable minutes of conversation:				
i) during period of { terminal traffic (outgoing and incoming) heavy traffic { ing) transit traffic (9) . . . . .	—		56 103	
ii) during period of { terminal traffic (outgoing and incoming) light traffic { ing) transit traffic (9) . . . . .	—		—	
Total . . . . .	—		56 103	
b) Number of chargeable calls (regardless of duration) not including transit traffic:				
ordinary private (7) . . . . .	—		18 701	
urgent . . . . .	—		—	
lightning . . . . .	—		—	
distress . . . . .	—		—	
reversed charge . . . . .	—		—	
subscription . . . . .	—		—	
fixed-time . . . . .	—		—	
broadcast transmissions (10) . . . . .	—		—	
collective . . . . .	—		—	
picture transmissions between private stations . . . . .	—		—	
Total . . . . .	—		18 701	
c) number of préavis and avis d'appel, not including transit traffic:				
number of préavis (including those not followed by calls) . . . . .	—		—	
number of avis d'appel (including those not followed by calls) . . . . .	—		—	
Total . . . . .	—		—	
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .	14 714 800		516 455 <sup>2)</sup>	
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	17 494 650		—	

## Telephone Statistics 1954

(Chapters VII—IX)

Portuguese Oversea Provinces					
Cape Verde Islands	Macao	Mozambique	Portuguese Guinea	Portuguese India	Portuguese Timor
E	E	E	E	E	E
94 787	21 084 108	8 282 097 5 495	456 967 1 907	214 177 20 366	571 922 32
94 787	21 084 108	8 287 592	458 874	234 543	571 954
5 712 2 190	—	—	82 526	13 298 11 804	202 600
7 902	—	—	82 526	25 102	202 600
2 463 72	—	209 247	27 442	8 569	41 822
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	9 840	—	—	—
2 535	—	219 087	27 442	8 569	41 822
—	—	—	—	—	—
—	—	—	—	1 275	4 418
—	—	—	—	1 275	4 418
219 569	—	—	—	—	—
219 569	—	—	—	951	—
—	—	—	—	—	—
—	—	50 087 661	63 685 <sup>1)</sup>	—	203
—	—	—	—	—	—
—	—	—	—	—	—
—	—	5 595 <sup>2)</sup>	—	—	—
—	—	50 748	69 280	—	203
—	—	—	—	—	—
—	—	—	—	89	—
—	—	—	—	—	—
—	—	—	—	89	—
—	—	—	—	—	—
—	—	—	—	7 213 <sup>1)</sup>	— <sup>1)</sup>
5 774	353 180	1 826 004	—	26 958	47 645 <sup>2)</sup>

**Telephone Statistics 1954**  
(Chapters I—VI)

Statistical item	Portuguese Oversea Provinces		Rhodesia and Nyasaland (Federation of) <sup>1)</sup>
	St. Thome and Principe E	E	
I. Population of country according to last census . . . . .	60 490	7 071 600	
II. Area of country in square kilometres . . . . .	964	1 251 300	
III. Number of exchanges in operation: (1)			
1) Automatic exchanges . . . . .	—	48	
2) Semi-automatic exchanges . . . . .	—	—	
3) Manual exchanges . . . . .	11	114	
Total number of exchanges	11	162	
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges .	—	25 122	
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	—	
3) Subscriber lines directly connected to manual exchanges. . .	199	2 794	
Total number of subscriber lines	199	27 916	
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3) . . . . .	248	55 804	
2) Public stations (4) . . . . .	10	549	
Total number of stations	258	56 353	
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	10	541	
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	20	
3) Total length in kilometres of open-wire circuits (internal and international): (5)			
a) physical circuits . . . . .	441	31 519	
b) phantom circuits . . . . .	—	57 271	
c) carrier circuits. . . . .	—	—	
4) Total length in kilometres of overhead or underground cable circuits (internal and international):			
a) two-wire physical circuits . . . . .	—	—	
b) four-wire physical circuits. . . . .	—	—	
c) phantom circuits (two or four-wire) . . . . .	—	—	
d) carrier circuits. . . . .	—	—	
5) Total length in kilometres of submarine cable circuits (internal and international): (6)			
a) two-wire physical circuits . . . . .	—	—	
b) four-wire physical circuits. . . . .	—	—	
c) phantom circuits (two or four-wire) . . . . .	—	—	
d) carrier circuits. . . . .	—	—	

**Telephone Statistics 1954**  
(Chapters I—VI)

Sarre	Spain		Sweden <sup>1)</sup>	Switzerland	Syrian Republic
	1953 E	1954 E			
981 741	987 631	29 153 067 <sup>1)</sup>	7 192 316 <sup>2)</sup>	4 950 000 <sup>1)</sup>	3 836 275
2 567	2 567	503 061	449 531	41 288	183 952
60	62	105	2 823	894	5
—	—	—	320	—	—
1	—	4 103	4 059	40	80
61	62	4 208	7 202	934	85
25 276	499 582	1 150 778	736 498	18 792	
22 905	—	3 421	—	—	
—	158 237	484 412	7 763	3 448	
22 905	25 276	657 819	1 638 611	744 261	22 240
44 938	49 491	964 637	1 979 649	1 133 579	29 671
512	524	16 729	13 891	7 864	165
45 450	50 015	981 366	1 993 540 <sup>3)</sup>	1 141 443	29 836
—	—	—	—	—	
—	1 220	6 052	83 904 <sup>4)</sup>	23 359	332
279	365	86	287	709 <sup>2)</sup>	56
—	—	—	—	—	
—	1 154	168 918 <sup>2)</sup>	348 181 <sup>5)</sup>	3 640	15 200
—	—	48 998	108 278	1 820	2 223
—	—	246 603	51 417	—	18 578
—	—	—	—	—	
—	28 968	92 473	1 041 743	460 407	196
—	2 155	5 572	119 464	8 954	—
—	8 736	44 336	414 782	119 950	—
—	3 209	—	839 264	915 728	—
—	—	74	17 568	28 <sup>3)</sup>	—
—	—	—	3 960	—	—
—	—	—	5 299	—	—
—	—	—	16 760	—	—

## Telephone Statistics 1954

### (Chapters VII—IX)

Statistical item	Portuguese Oversea Provinces		Rhodesia and Nyasaland (Federation of) <sup>1)</sup> E
	St. Thome and Principe E		
<b>VII. Traffic:</b>			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations . . . . .	125 805	55 162 000	
b) number of calls (regardless of duration) from public stations . . . . .	—	1 404 600	
<b>Total number of local calls</b>	<b>125 805</b>	<b>56 566 600</b>	
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic . . . . .	—	20 774 000	
ii) during period of light traffic . . . . .	—	3 242 300	
<b>Total</b>	<b>—</b>	<b>24 016 300</b>	
b) number of chargeable calls (regardless of duration):			
ordinary private (7) . . . . .		6 176 900	
urgent . . . . .			}
lightning . . . . .		43 500	
distress . . . . .			
reversed charge . . . . .		9 390	
subscription . . . . .			
fixed-time . . . . .		132 280	
broadcast transmissions (8) . . . . .		2 830	
collective . . . . .			
picture transmissions between private stations . . . . .			
<b>Total</b>	<b>101 449</b>	<b>6 364 900</b>	
c) Number of préavis (including those not followed by calls)			
Number of avis d'appel (including those not followed by calls) . . . . .	171	216 440	
<b>Total</b>	<b>171</b>	<b>8 510</b>	
3) International traffic (outgoing, incoming and transit): (9)			
a) total number of chargeable minutes of conversation:			
i) during period of { terminal traffic (outgoing and incom- heavy traffic     { ing) transit traffic (9) . . . . .	—	1 934 900	
ii) during period of { terminal traffic (outgoing and incom- light traffic     { ing) transit traffic (9) . . . . .	—	35 500	
<b>Total</b>	<b>—</b>	<b>1 970 400</b>	
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7) . . . . .	77	191 100	
urgent . . . . .	—		
lightning . . . . .	—	314	
distress . . . . .	—		
reversed charge . . . . .	—		
subscription . . . . .	—		
fixed-time . . . . .	—	59 270	
broadcast transmissions (10) . . . . .	—		
collective . . . . .	—		
picture transmissions between private stations . . . . .	—		
<b>Total</b>	<b>77</b>	<b>250 684</b>	
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls)	—	102 200	
number of avis d'appel (including those not followed by calls) . . . . .	—		
<b>Total</b>	<b>—</b>	<b>102 200</b>	
<b>VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .</b>			
<b>IX. Total gross income in gold francs of the internal and international telephone services . . . . .</b>			
	14 766	—	

## Telephone Statistics 1954

(Chapters VII—IX)

Sarre		Spain P	Sweden 1) E	Switzerland E	Syrian Republic E
1953 E	1954 E				
24 171 825	25 493 002	2 184 560 000	2 092 452 500	458 615 668 4)	81 365 553 602 250
24 171 825	25 493 002	2 184 560 000	2 092 452 500 6)	458 615 668	81 967 803
34 781 522 1)	41 847 942 1)	352 369 068	682 620 104	849 174 198 210 644 265	8 448 878 4 224 439
34 781 522	41 847 942	352 369 068	682 620 104 7) 8)	1 059 818 463	12 673 317
12 227 010	13 808 302	73 896 899	120 806 818 1 700 005 754 — 9) — 332 873 — 9) — 10) — 7 479	353 272 821 5) — 6) — 4) — 6) — — 4) — 746 7) 8) — 9) — 10)	2 662 078 462 803 — — — — — 14 292 — — —
12 227 010	13 808 302	73 896 899	122 847 929 8)	353 273 567	3 139 173
—	—	2 364 748	24 726 000	— 6)	—
—	—	2 364 748	24 726 000	— 6)	—
228 650 2)	289 163 2)	4 585 446 313 467 3) 312 492 — 4)	10 967 145 — 11) 3 379 500 — 11)	33 538 641 490 155 — —	610 035 75 396 410 400 20 512
228 650	289 163	5 211 405	14 346 645	34 028 796	1 116 343
33 031	41 089	886 312	2 157 473	11 015 529 5)	150 343
2 927	1 906	7 733	102 813	115 650 5)	30 520
78	32	—	723	6 025 5)	—
—	—	—	—	— 4)	—
— 3)	— 4)	2 967	18 614	82 336	—
5	22	—	8 536	2 689 5)	—
423	602	226	2 580	3 615	7 146
—	—	857	979	— 11) 12)	548
—	—	—	—	— 13)	—
36 464	43 651	898 095	1 834	11 004 5)	—
4 328	6 338	116 444	2 293 552	11 236 848	188 557
—	—	13 653	1 113 699	842 516	—
4 328	6 338	130 097	1 113 699	33 197 14)	38
—	14 211 225	63 470 655 5)	311 662 000 12) 13)	157 731 391	6 097 188
14 125 024	15 721 154	86 647 299 5)	352 352 000 13)	229 185 319	7 826 323

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Thailand E	Tunisia (French Protectorate of) E
I. Population of country according to last census . . . . .	—	3 231 000
II. Area of country in square kilometres . . . . .	—	125 180
III. Number of exchanges in operation: (1)		
1) Automatic exchanges . . . . .	4	3
2) Semi-automatic exchanges . . . . .	—	53
3) Manual exchanges . . . . .	—	148
Total number of exchanges	4	204
IV. Number of subscriber lines in operation: (2)		
1) Subscriber lines directly connected to automatic exchanges .	9 420	11 187
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	1 521
3) Subscriber lines directly connected to manual exchanges . .	—	9 013
Total number of subscriber lines	9 420	21 721
V. Number of stations in operation:		
1) Private stations (including supplementary and service stations) (3) . . . . .	—	32 215
2) Public stations (4) . . . . .	—	801
Total number of stations	—	32 215
VI. Number of trunk and international circuits in operation:		
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	13	760
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	—	18
3) Total length in kilometres of open wire circuits (internal and international): (5)		
a) physical circuits . . . . .	—	27 000
b) phantom circuits . . . . .	—	9 050
c) carrier circuits . . . . .	—	14 600
4) Total length in kilometres of overhead or underground cable circuits (internal and international):		
a) two-wire physical circuits . . . . .	572	41 620
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—
5) Total length in kilometres of submarine cable circuits (internal and international): (6)		
a) two-wire physical circuits . . . . .	—	—
b) four-wire physical circuits . . . . .	—	—
c) phantom circuits (two or four-wire) . . . . .	—	—
d) carrier circuits . . . . .	—	—

## Telephone Statistics 1954

(Chapters I—VI)

Turkey E	Union of South Africa <sup>1)</sup> E	United Kingdom of Great Britain and Northern Ireland <sup>1)</sup> E	United States of America <sup>1)</sup> P	Venezuela E P	Viet-Nam E
22 790 540	12 912 000 <sup>2)</sup>	50 887 000	163 930 000 <sup>2)</sup>	5 091 543	22 600 000
767 119	1 222 265	245 000	7 834 000 <sup>3)</sup>	912 050	329 600
35	78	4 576	11 300	28	1
10	—	—	5	—	—
357	1 798	1 351	9 200	116	51
402	1 876	5 927	20 500 <sup>4)</sup>	149	52
79 655	247 751	4 007 053 <sup>2)</sup>	— <sup>5)</sup>	50 575	3 646
3 100	—	4 007 053 <sup>2)</sup>	— <sup>5)</sup>	520	—
20 275	95 899	4 007 053	—	4 880	4 404
103 030	343 650	6 436 149	52 800 000	55 975	8 050
131 664	554 683	6 369 922	98 781	14 767	56
801	10 686	66 227	6	—	—
132 465	565 369	6 436 149	98 787	14 823	—
601	4 635	21 115 <sup>3)</sup>	400	—	38
21	33	536 <sup>4)</sup>	2	—	—
27 081	160 556	—	23 809	1 289	—
90 627	12 708	—	20 214	—	—
	291 340	—	6 494	—	—
433	77 301	—	—	—	727
273	8 216	—	—	—	48
	35 306	—	—	—	—
138	—	—	—	—	—
54	—	—	— <sup>5)</sup>	—	—

# Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Thailand	Tunisia (French Protectorate of)
	E	E
<b>VII. Traffic:</b>		
1) Local traffic:		
a) number of calls (regardless of duration) from subscriber stations . . . . .	22 309 976	17 866 398
b) number of calls (regardless of duration) from public stations		
Total number of local calls	<b>22 309 976</b>	<b>17 866 398</b>
2) Trunk traffic:		
a) number of chargeable minutes of conversation		
i) during periods of heavy traffic . . . . .	—	7 875 177 <sup>1)</sup>
ii) during period of light traffic . . . . .	—	—
Total	<b>—</b>	<b>7 875 177</b>
b) number of chargeable calls (regardless of duration):		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (8) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	<b>—</b>	<b>5 673 215</b>
c) Number of préavis (including thos not followed by calls) Number of avis d'appel (including those not followed by calls) . . . . .		
Total	<b>—</b>	<b>51 952</b>
3) International traffic (outgoing, incoming and transit): (9)		
a) total number of chargeable minutes of conversation:		
i) during period of { terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	—
ii) during period of { terminal traffic (outgoing and incoming) light traffic { ing) transit traffic (9) . . . . .	—	—
Total	<b>—</b>	<b>1 371 075</b>
b) Number of chargeable calls (regardless of duration) not including transit traffic:		
ordinary private (7) . . . . .	—	—
urgent . . . . .	—	—
lightning . . . . .	—	—
distress . . . . .	—	—
reversed charge . . . . .	—	—
subscription . . . . .	—	—
fixed-time . . . . .	—	—
broadcast transmissions (10) . . . . .	—	—
collective . . . . .	—	—
picture transmissions between private stations . . . . .	—	—
Total	<b>—</b>	<b>222 487</b>
c) number of préavis and avis d'appel, not including transit traffic:		
number of préavis (including those not followed by calls)		
number of avis d'appel (including those not followed by calls) . . . . .		
Total	<b>—</b>	<b>—</b>
<b>VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .</b>		
<b>IX. Total gross income in gold francs of the internal and international telephone services . . . . .</b>	<b>—</b>	<b>8 144 309</b>

# Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Turkey	Union of South Africa <sup>1)</sup>	United Kingdom of Great Britain and Northern Ireland <sup>1)</sup>	United States of America <sup>1)</sup>	Venezuela	Viet-Nam
	E	E	E	P	E P	E
179 857 449	648 731 361	3 615 000 000	61 615 000 000 <sup>7)</sup>	165 606 975	19 122 822	
5 272 657	34 664 145	3 615 000 000	61 615 000 000	165 606 975	10 996	
185 130 106	683 395 506	—	—	—	—	
24 792 348	139 026 153	—	— <sup>8)</sup>	21 118 170	298 221	
	10 162 666	—	14 078 780	35 196 950	298 221	
24 792 348	149 188 819	—	—	—	—	
—	—	—	1 910 800	99 407	—	
—	—	—	2 270 000 000 <sup>7)</sup> <sup>9)</sup>	—	—	
—	46 996 245	306 000 000	— <sup>10)</sup>	—	—	
—	—	—	— <sup>8)</sup>	—	—	
619 121	—	25 784 997	— <sup>8)</sup>	360 000	—	
619 121	—	25 784 997	—	360 000	—	
—	—	—	—	—	—	
224 832	3 672 897	— <sup>11)</sup>	—	—	—	
224 832 <sup>3)</sup>	3 672 897	—	—	—	—	
—	—	—	— <sup>11)</sup>	—	—	
—	—	—	—	—	—	
—	89 276 063 <sup>4)</sup>	939 275 540 <sup>5)</sup>	— <sup>8)</sup>	16 768 351	21 142 273	
—	103 970 503 <sup>4)</sup>	986 667 076 <sup>5)</sup>	— <sup>8)</sup>	—	4 045 515	

## Telephone Statistics 1954

(Chapters I—VI)

Statistical item	Yugoslavia		Zone of Spanish Protectorate in Morocco
	E	P	
I. Population of country according to last census . . . . .	17 412 000	1 010 117	
II. Area of country in square kilometres . . . . .	256 393	20 000	
III. Number of exchanges in operation: (1)			
1) Automatic exchanges . . . . .	91	1	
2) Semi-automatic exchanges . . . . .	—	7	
3) Manual exchanges . . . . .	3 215	42	
Total number of exchanges	3 306	50	
IV. Number of subscriber lines in operation: (2)			
1) Subscriber lines directly connected to automatic exchanges . . . . .	59 550	3 823	
2) Subscriber lines directly connected to semi-automatic exchanges . . . . .	—	2 151	
3) Subscriber lines directly connected to manual exchanges . . . . .	33 441	970	
Total number of subscriber lines	92 991	6 944	
V. Number of stations in operation:			
1) Private stations (including supplementary and service stations) (3) . . . . .	190 507	8 516	
2) Public stations (4) . . . . .	1 811	94	
Total number of stations	192 318	8 610	
VI. Number of trunk and international circuits in operation:			
1) Total number of internal circuits (total of physical, phantom and carrier circuits added together) . . . . .	3 966	79	
2) Total number of international circuits (total of physical, phantom and carrier circuits added together) . . . . .	122	32	
3) Total length in kilometres of open wire circuits (internal and international): (5)			
a) physical circuits . . . . .	96 172	4 128	
b) phantom circuits . . . . .	35 524	1 156	
c) carrier circuits . . . . .	89 869	266	
4) Total length in kilometres of overhead or underground cable circuits (internal and international):			
a) two-wire physical circuits . . . . .	3 359	164	
b) four-wire physical circuits . . . . .	918	—	
c) phantom circuits (two or four-wire) . . . . .	991	45	
d) carrier circuits . . . . .	—	1	
5) Total length in kilometres of submarine cable circuits (internal and international): (6)			
a) two-wire physical circuits . . . . .	471	—	
b) four-wire physical circuits . . . . .	—	—	
c) phantom circuits (two or four-wire) . . . . .	—	—	
d) carrier circuits . . . . .	—	—	

## Telephone Statistics 1954

(Chapters VII—IX)

Statistical item	Yugoslavia		Zone of Spanish Protectorate in Morocco
	E	P	
VII. Traffic:			
1) Local traffic:			
a) number of calls (regardless of duration) from subscriber stations . . . . .	243 523 288	12 467 124	
b) number of calls (regardless of duration) from public stations . . . . .	3 807 712	10 313	
Total number of local calls	247 331 000	12 477 437	
2) Trunk traffic:			
a) number of chargeable minutes of conversation			
i) during periods of heavy traffic . . . . .	70 144 000	2 325 295	
ii) during period of light traffic . . . . .	3 267 000	202 199	
Total	73 411 000	2 527 494	
b) number of chargeable calls (regardless of duration):			
ordinary private (7) . . . . .	—	—	541 451
urgent . . . . .	—	—	—
lightning . . . . .	—	—	—
distress . . . . .	—	—	—
reversed charge . . . . .	—	—	—
subscription . . . . .	—	—	—
fixed-time . . . . .	—	—	—
broadcast transmissions (8) . . . . .	—	—	41
collective . . . . .	—	—	—
picture transmissions between private stations . . . . .	—	—	—
Total	—	—	541 492
c) Number of préavis (including those not followed by calls) Number of avis d'appel (including those not followed by calls) . . . . .	40 303	—	
Total	351 776	11 483	
392 079	11 483		
3) International traffic (outgoing, incoming and transit): (9)			
a) total number of chargeable minutes of conversation:			
i) during period of heavy traffic (outgoing and incoming) transit traffic (9) . . . . .	—	1 384 370	
ii) during period of light traffic (terminal traffic (outgoing and incoming) transit traffic (9) . . . . .	—	121 801	
Total	—	244 300	
—	—	21 494	
1 771 965	—		
b) Number of chargeable calls (regardless of duration) not including transit traffic:			
ordinary private (7) . . . . .	—	—	345 154
urgent . . . . .	—	—	—
lightning . . . . .	—	—	—
distress . . . . .	—	—	—
reversed charge . . . . .	—	—	—
subscription . . . . .	—	—	—
fixed-time . . . . .	—	—	—
broadcast transmissions (10) . . . . .	—	—	699
collective . . . . .	—	—	—
picture transmissions between private stations . . . . .	—	—	—
Total	—	—	345 853
c) number of préavis and avis d'appel, not including transit traffic:			
number of préavis (including those not followed by calls) . . . . .	57 681	—	
number of avis d'appel (including those not followed by calls) . . . . .	3 459	10 036	
Total	61 140	10 036	
VIII. Total gross expenditure in gold francs of the internal and international telephone services, including payment of interest on capital invested and depreciation of equipment (optional) . . . . .	—	—	
IX. Total gross income in gold francs of the internal and international telephone services . . . . .	—	—	619 256

# Telephone Statistics 1954

## Remarks

**Argentine Republic.** —<sup>1)</sup> Estimate as on 31 December, 1954. —<sup>2)</sup> Including 406 stations in 196 long-distance public call boxes in places where there are no telephone exchanges. —<sup>3)</sup> Total gross expenditure: 597,142,190 Argentine pesos. —<sup>4)</sup> Total gross income: 643,784,433 Argentine pesos. —<sup>5)</sup> Provisional data only. —<sup>6)</sup> Total gross expenditure: 36,672,131 Argentine pesos. —<sup>7)</sup> Total gross income: 54,633,177 Argentine pesos.

**Australia (Commonwealth of).** —<sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954. —<sup>2)</sup> Census of 30 June, 1954. —<sup>3)</sup> Information not available in this detailed form. The total length of circuits in aerial, underground and submarine cables is included in the figures given under VI.3. —<sup>4)</sup> In cities and towns all calls connected from point to point within the city or town are classed as local calls. In country districts all calls connected to a point within a five-mile radius are also classed as local calls. Both classes of calls have therefore been included under the heading Local Traffic. —<sup>5)</sup> This information cannot be provided. —<sup>6)</sup> The figures shown under this heading relate to trunk or long-distance calls. —<sup>7)</sup> Statistics are not available in this detailed form, no provision being made by this Administration for urgent, lightning, or subscription calls. Fixed-time, *préavis*, and *avis d'appel* calls are accepted, but separate statistics are not kept, therefore the totals under "ordinary" include such calls. —<sup>8)</sup> Similar remarks apply as in the case of Note<sup>7)</sup>, with the exception that in effect every call is a *préavis* call, although no special fee is charged for this facility. —<sup>9)</sup> Gold franc amounts for previous years had been calculated at the old rate (i.e., 25.2215 gold francs to £1 A), but present amounts have been calculated on the existing exchange rate, i.e., 6.8361 gold francs to £1 A.

**Austria.** —<sup>1)</sup> The number of local calls is not shown, as a length-of-call tariff is in force in Austria, in the case of automatic networks, a lump-sum tariff being applicable to manually-operated local networks. —<sup>2)</sup> The increase in international telephone traffic is due to abolition of the censorship.

**Belgian Congo and Territory of Ruanda-Urundi.** —<sup>1)</sup> The population is made up as follows:

Belgian Congo:	Negroes:	12,026,159	Others:	91,276
Ruanda-Urundi:	Negroes:	4,100,000	Others:	7,481

<sup>2)</sup> Including 130,969 minutes of radiotelephone call. —<sup>3)</sup> Including 22,042 radiotelephone calls. —<sup>4)</sup> Including 83,402 minutes of radiotelephone call.

**Belgium.** —<sup>1)</sup> Autonomous system. —<sup>2)</sup> This information cannot be provided. —<sup>3)</sup> The various categories of call cannot be enumerated.

### British West Africa:

**Gold Coast and Togoland under United Kingdom Trusteeship.** —<sup>1)</sup> Period from 1 April, 1953, to 31 March, 1954. —<sup>2)</sup> In 1952, the total length, in kilometres, of physical circuits was 12,650. —<sup>3)</sup> Period from 1 April, 1954, to 31 March, 1955. —<sup>4)</sup> Separate data cannot be supplied.

**Gambia.** —<sup>1)</sup> Conversion carried out on the basis of 12.24 gold francs equal £1.

**Nigeria.** —<sup>1)</sup> Period from 1 April, 1953, to 31 March, 1954. —<sup>2)</sup> This information cannot be provided.

**Canada.** —<sup>1)</sup> Data shown represent total Canada. —<sup>2)</sup> Data shown represent nine major telephone systems. —<sup>3)</sup> Data shown represent total Canada; the number of stations in operation for the nine systems is 3,344,359. —<sup>4)</sup> Data not available. —<sup>5)</sup> Total gross expenditure (for the nine major telephone systems) 272,404,517 dollars. —<sup>6)</sup> Total gross income (for the nine major telephone systems) 311,890,196 dollars. —<sup>7)</sup> The number of local calls was reported incorrectly for years 1951-1953; corrected data are as follows:

1951 =	4,608,229,000
1952 =	4,909,942,000
1953 =	5,330,267,000.

**Ceylon.** —<sup>1)</sup> Period from 1 October, 1953, to 30 September, 1954. —<sup>2)</sup> Census of 31 December, 1954.

## Telephone Statistics 1954

**Colonies, Protectorates, Overseas Territories and Territories under Mandate or Trusteeship of the United Kingdom of Great Britain and Northern Ireland:**

**Hongkong.** — <sup>1)</sup> Estimate. — <sup>2)</sup> Total overall expenditure: 13,400,000 Hongkong dollars. — <sup>3)</sup> Total overall income: 14,500,000 Hongkong dollars.

**Cuba.** — <sup>1)</sup> These particulars relate to the Cuban Telephone Company, the Radio Corporation of Cuba, and the Cuban-American Telephone and Telegraph Company. Telephone facilities provided in Cuba by other agencies are insignificant and the statistics in connection therewith are incomplete. — <sup>2)</sup> 1953 census. — <sup>3)</sup> Figures for the submarine cable between Havana and Key-West, belonging to the Cuban-American Telephone and Telegraph Company. — <sup>4)</sup> 16,394,534 Cuban pesos. One Cuban peso is equivalent to one United States dollar.

**Denmark.** — <sup>1)</sup> Not including Greenland or the Faroes. — <sup>2)</sup> Including 40 manual exchanges outside the State local telephone networks. — <sup>3)</sup> To this should be added 39,731,000 chargeable minutes of call without distinction between periods of light and heavy traffic, exchanged in the local State telephone network at Sonderjylland.

**Egypt.** — <sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954.

**Ethiopia.** — <sup>1)</sup> Including 1 inland radio circuit. — <sup>2)</sup> Including 2 international radio circuits. — <sup>3)</sup> In 1953, the number of chargeable calls was 530,000, instead of 800,000.

**Federal German Republic.** — <sup>1)</sup> Period from 1 April, 1954, to 31 December, 1954. — <sup>2)</sup> Information not available. — <sup>3)</sup> Incoming traffic from Berlin and the Soviet Zone is not included in this figure.

**Finland.** — <sup>1)</sup> In Finland, the telephone networks are operated by the State and by 589 private organizations. Income for the State telephone system in 1954 amounted to 3,213,799,324 Finnish marks, and expenditure to 2,593,649,742 Finnish marks. Since the private agencies cannot supply information as to their income and expenditure, income and expenditure for all telephony in Finland cannot be indicated.

**France.** — <sup>1)</sup> Automatic exchanges which were destroyed and have been provisionally replaced by manual exchanges are included among manual exchanges. — <sup>2)</sup> Automatic rural exchanges. — <sup>3)</sup> Local and trunk calls recorded by metering (in the form of basic rates). — <sup>4)</sup> Trunk calls recorded on tickets, 3-minute units. — <sup>5)</sup> Conversion coefficient: 115. — <sup>6)</sup> In drawing up the statistics for 1954, it was noticed that only transit traffic requiring action by a French transit office needed to be taken into consideration. Hence the difference between traffic for 1953 and that for 1954.

**Greece.** — <sup>1)</sup> Not including 733 underground circuits of a total length of 7,076 kilometres, and 48 radiotelephone circuits of a total length of 18,934 kilometres. — <sup>2)</sup> There are 7 radiotelephone circuits, too. — <sup>3)</sup> Calls registered on meters.

**India.** — <sup>1)</sup> Period from 1 April, 1953, to 31 March, 1954. — <sup>2)</sup> Included under 3<sup>o</sup> c). — <sup>3)</sup> Information cannot be supplied. — <sup>4)</sup> Provisional figures. — <sup>5)</sup> Income and expenditure of a small licensed private telephone network are not included in these figures.

**Indonesia (Republic of).** — <sup>1)</sup> Including the area of Western New Guinea. — <sup>2)</sup> Including the number of chargeable minutes of island-to-island traffic. — <sup>3)</sup> Including chargeable island-to-island calls.

**Iraq.** — <sup>1)</sup> Period from 1 April, 1954, to 31 March, 1955. — <sup>2)</sup> These exchanges are at present being set up and extended in three other towns in Iraq, replacing central-battery manual exchanges. — <sup>3)</sup> The installation of new open-wire 3 and 12-channel carrier systems will continue in 1955-1956, so that each regional exchange may be connected by carrier systems.

**Israel (State of).** — <sup>1)</sup> Census of 31 December, 1954. — <sup>2)</sup> Radiotelephone circuits.

**Italy.** — <sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954. — <sup>2)</sup> Traffic data relate to 1953. — <sup>3)</sup> Including the total length of phantom circuits and overhead-wire carried circuits, together with radio relay links (in kilometres). — <sup>4)</sup> Chargeable minutes of call.

## Telephone Statistics 1954

**Japan.** — <sup>1)</sup> Estimate by the Bureau of Statistics. — <sup>2)</sup> Information supplied by the Geographical Survey Institute on 1 January, 1955. — <sup>3)</sup> This information cannot be provided. — <sup>4)</sup> Separate figures cannot be given. — <sup>5)</sup> These figures do not include 1,376,425 calls. — <sup>6)</sup> Expenditure on inland telephony amounted to 629,165,175 gold francs. — <sup>7)</sup> Income from inland telephony amounted to 832,227,133 gold francs.

**Luxembourg.** — <sup>1)</sup> No separate figures for local and trunk calls can be given. In inland telephony, there were, all in all, 19,072,841 chargeable units (3 minutes) of call.

### **Malaya-British Borneo Group:**

**Malaya.** — <sup>1)</sup> Outgoing terminal traffic.

**North Borneo.** — <sup>1)</sup> 29,500 square miles. — <sup>2)</sup> Overall expenditure: 107,469 dollars. — <sup>3)</sup> Overall income: 108,548 dollars. — <sup>4)</sup> Overall expenditure: 150,000 dollars. — <sup>5)</sup> Overall income: 158,513 dollars.

**Sarawak.** — <sup>1)</sup> 3,000 calls a day.

**Singapore.** — <sup>1)</sup> Outgoing terminal traffic.

**Morocco (French Protectorate of).** — <sup>1)</sup> Automatic rural exchanges. — <sup>2)</sup> Local and trunk calls registered by metering (in basic rates). — <sup>3)</sup> Trunk calls registered on tickets. Separate figures for each category of call listed cannot be supplied.

### **Netherlands, Surinam, Netherlands Antilles, New Guinea:**

**Netherlands.** — <sup>1)</sup> This figure includes 22,431 automatic circuits. — <sup>2)</sup> This figure includes 55 automatic circuits. — <sup>3)</sup> This figure does not include 9,757,025 calls for weather forecasts, nor 49,008,215 calls for the speaking clock. — <sup>4)</sup> This figure includes 197,338,178 automatic calls. — <sup>5)</sup> Telex calls are not included in the number of calls relative to international traffic.

**Netherlands New Guinea.** — <sup>1)</sup> The native population of Dutch New Guinea included in this figure is estimated at 700,000, of whom 376,532 live in areas administered directly by the Central Government. — <sup>2)</sup> Approximation. — <sup>3)</sup> No data.

**New Zealand.** — <sup>1)</sup> Period from 1 April, 1954, to 31 March, 1955. — <sup>2)</sup> Information not available. — <sup>3)</sup> Overall income: 9,965,310 New Zealand pounds.

**Nicaragua.** — <sup>1)</sup> Period from January, 1953, to December, 1954.

**Norway.** — <sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954. — <sup>2)</sup> Amongst them 1 radiotelephone circuit and 7 radio relay links. The total length of radio relay links is 477 kilometres. — <sup>3)</sup> Of which 1 radiotelephone circuit. — <sup>4)</sup> In inland trunk traffic, no distinction is made between periods of light and heavy traffic. — <sup>5)</sup> Press calls. Between 1800 and 0900 hours, the charges for calls asked for by the press are reduced by 50%. — <sup>6)</sup> Urgent and fixed-time calls. — <sup>7)</sup> Calls for broadcasting. — <sup>8)</sup> See Note 6).

### **Oversea Territories of the French Republic and Territories administered as such:**

**Cameroon (Territory under French Trusteeship).** — <sup>1)</sup> 3-minute call units.

**French Somaliland.** — <sup>1)</sup> The flat-rate subscription system only being in force local calls are counted by periodical metering.

**French West Africa.** — <sup>1)</sup> This figure includes the length of 2-wire side circuits used for telephony alone and single-wire circuits used for both telegraphy and telephony.

**Pakistan.** — <sup>1)</sup> Period from April, 1954, to March, 1955. — <sup>2)</sup> Information not available.

**Paraguay.** — <sup>1)</sup> 53,200 calls a day.

**Peru.** — <sup>1)</sup> Information provided by the Compañía Nacional de Teléfonos del Perú. — <sup>2)</sup> Information provided by the Compañía Peruana de Teléfonos, Ltda. — <sup>3)</sup> Information provided by the Sociedad Telefónica del Perú, S.A. Arequipa. — <sup>4)</sup> Overall expenditure: 4,170,000 Peruvian sols. — <sup>5)</sup> Overall income: 4,318,000 Peruvian sols.

## Telephone Statistics 1954

**Philippines (Republic of the).** — <sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954. — <sup>2)</sup> These figures include information provided by the two main Filipino telephone networks, namely: the Philippine Long-Distance Telephone Company, and the Bureau of Telecommunications. On the other hand, no information can be given about the secondary telephone networks operated by provincial governments and municipal bodies, nor about private branch exchanges. — <sup>3)</sup> Census of 1 October, 1948. — <sup>4)</sup> Period from 1 July, 1954, to 30 June, 1955.

**Portugal.** — <sup>1)</sup> 1950 census. — <sup>2)</sup> Official calls.

### Portuguese Oversea Provinces:

**Angola.** — <sup>1)</sup> Of which 8,691 kilometres are used both for telegraphy and telephony. — <sup>2)</sup> Converted at the rate of 1 gold franc to 10 escudos.

**Macao.** — <sup>1)</sup> Automatic secondary exchanges. — <sup>2)</sup> Subscribers' lines connected to automatic secondary exchanges.

**Mozambique.** — <sup>1)</sup> Outgoing: 30,110; incoming: 33,575. — <sup>2)</sup> Outgoing: 3,714; incoming: 1,881.

**Portuguese India.** — <sup>1)</sup> Expenses are common to P.T.T. services.

**Portuguese Timor.** — <sup>1)</sup> Expenses are common to the postal, telegraphic, radio telegraphic, and radiotelephone services. Hence no precise figures can be given for telephony. — <sup>2)</sup> Overall income from inland telephony.

**Rhodesia and Nyasaland (Federation of).** — <sup>1)</sup> The Departments of Posts and Telegraphs, Southern Rhodesia, Posts and Telegraphs, Northern Rhodesia, and Posts and Telecommunications, Nyasaland, were federated on 1 September, 1954, to form the Ministry of Posts of the Federation of Rhodesia and Nyasaland.

**Sarre.** — <sup>1)</sup> Total, in local units, of chargeable automatic trunk calls. — <sup>2)</sup> These figures do not include calls with France, the German Democratic Republic, and the Federal German Republic. — <sup>3)</sup> These figures do not include 1,725,882 calls with France, the German Democratic Republic, and the Federal German Republic. — <sup>4)</sup> These figures do not include 1,898,345 calls with France, the German Democratic Republic, and the Federal German Republic.

**Spain.** — <sup>1)</sup> Figure on 31 December, 1954. — <sup>2)</sup> There are, too, 48,551 kilometres of radiotelephone circuit (including trans-Atlantic circuits). — <sup>3)</sup> The minutes shown under transit traffic include the two charging periods. — <sup>4)</sup> See Note <sup>3)</sup>. — <sup>5)</sup> Calculated at the official rate of 13 pesetas for 1 gold franc.

**Sweden.** — <sup>1)</sup> Period from 1 July, 1953, to 30 June, 1954. — <sup>2)</sup> Census of 31 December, 1953. On 31 December, 1954, there were 7,234,664 persons in Sweden. — <sup>3)</sup> There are, too, a few private telephone networks with a total of 838 sets. On 31 December, 1954, the telephone network run by the Swedish Administration had 2,097,738 sets, while the private telephone networks had 789. — <sup>4)</sup> Including circuits used for toll and trunk calls not subject to special charging, but not including reserve circuits. — <sup>5)</sup> Including the length of short phantom cable circuits. — <sup>6)</sup> Including ordinary toll calls in the manually-operated service, trunk calls exchanged within certain special privileged areas, and call units, both toll and trunk, registered in the automatic system. — <sup>7)</sup> A figure obtained by multiplying by three the number of chargeable units. It has not been possible to transform *préavis* charges into minutes, since these charges do not, in the Swedish inland service, constitute any definite fraction of the charge unit. If urgent, lightning calls, etc., be counted as ordinary calls, chargeable minutes amount to 671,634,203. About 25.4% of calls were passed during periods of light traffic (0700 to 0900 hours and 1800 to 2100 hours, on week days). — <sup>8)</sup> This refers only to calls manually put through. — <sup>9)</sup> These calls are assimilated to urgent calls and are not separately counted. Hence they are included in the figures for urgent calls. — <sup>10)</sup> No figures available. — <sup>11)</sup> No sufficiently detailed data available about transit telephone traffic. There were, all in all, 166,702 transit calls, of which some 20,200 were put through with the help of Swedish offices. — <sup>12)</sup> Of which about 80,442,000 gold francs towards the depreciation of plant. The figures for expenditure include no interest on the capital invested by the State. — <sup>13)</sup> Conversion rate: 1 gold franc equals 1.692 Swedish crowns.

**Switzerland.** — <sup>1)</sup> Estimate of resident population at the end of 1954. — <sup>2)</sup> Including international transit circuits and broadcast relay circuits. — <sup>3)</sup> Lake Constance cable. — <sup>4)</sup> These calls are not counted separately. — <sup>5)</sup> 3-minute unit calls. — <sup>6)</sup> Calls not admitted. — <sup>7)</sup> Including 61 television relays. — <sup>8)</sup> This traffic is not included in the total number of chargeable minutes of call. — <sup>9)</sup> 1879 calls; the number

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of units is included in the number of ordinary chargeable calls. — <sup>10</sup>) 22 calls; the number of units is included in the number of ordinary chargeable calls. — <sup>11</sup>) 2790 calls, of which 205 were television relays; the number of units is included in the number of ordinary chargeable calls. — <sup>12</sup>) Not including daily wire broadcast relays from France and Italy. — <sup>13</sup>) 26 calls; the number of units is included in the number of ordinary chargeable calls. — <sup>14</sup>) A service available only in Swiss outgoing traffic.

**Tunisia (French Protectorate of).** — <sup>1)</sup> Total number of 3-minute call units.

**Union of South Africa.** — <sup>1)</sup> Period from 1 April, 1953, to 31 March, 1954. — <sup>2)</sup> 1951 census. — <sup>3)</sup> In these figures are included 26,591 calls with overseas countries, and 198,241 calls with countries Members of the African Telecommunication Union. — <sup>4)</sup> Conversion on the basis of 1 South African pound to 8.5708 gold francs.

**United Kingdom of Great Britain and Northern Ireland.** — <sup>1)</sup> Period from 1 April, 1954, to 31 March, 1955. — <sup>2)</sup> Total number of connections to exchanges: 4,007,053 (2,976,149 automatic and 1,030,904 manual). Each exclusive exchange line and each spur serving one subscriber on a party line is counted as an exchange connection. — <sup>3)</sup> Exceeding 25 miles in radial length. — <sup>4)</sup> Including 61 radio circuits. — <sup>5)</sup> These figures are for the year 1 April, 1953, to 31 March, 1954. The rate of conversion is 8.5708 gold francs to the pound.

**United States of America.** — <sup>1)</sup> The statistics include all telephone systems in the continental United States and hence are partly estimated. — <sup>2)</sup> Population estimated as on 31 December, 1954. — <sup>3)</sup> Gross area (land and water) of continental United States. This figure was converted from square miles into square kilometres at the rate of 1 mile equals 1.61 kilometres. — <sup>4)</sup> This figure represents the number of physical central offices but does not include private branch exchanges nor does it represent the number of cities, towns and villages connected to the telephone system. The lines of the Bell System and connecting lines and systems reach about 75,000 communities in the United States. — <sup>5)</sup> No statistics are available regarding the number of exchange lines or the number and length of interurban and international circuits in service. There was a total of about 325,000,000 kilometres of physical wire (conductors, not circuits) of all kinds (urban, interurban, and international) in service in the United States on 31 December, 1954, of which some 303,000,000 kilometres were in cable. These figures were converted from miles into kilometres at a ratio of 1 mile to 1.61 kilometres. — <sup>6)</sup> No statistics are available as to the total number of public telephones except that the Bell System alone has about 438,000 such telephones in the United States. — <sup>7)</sup> Includes only completed (i.e., effective) conversations. Owing to the differences in the sizes of local telephone areas, these statistics showing differences between local and toll (trunk) conversations may not be comparable to statistics as to local and toll conversations in other countries. Each conversation has been counted once only, regardless of its duration. Conversations over toll lines leased to the public are not included. — <sup>8)</sup> No statistics are available. — <sup>9)</sup> No distinction is made in the United States between ordinary, urgent, lightning, and distress toll conversations. During 1954, 97% of all toll and long-distance calls in the Bell System were handled without the person making the call hanging up his telephone. — <sup>10)</sup> No separate statistics are available. Data are included in the figure for the total number of toll conversations. — <sup>11)</sup> No separate statistics are available covering telephone traffic between the United States and other countries. The figure shown above for total toll conversations includes all international telephone messages originating in the United States.