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Washington, D.C.


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ETHIOPIA- LN-314 VOL 4

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Country Photographs - Ethiopia - Loan 314 - Photographs - Volume 1

LO-314-ET-1



INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT, Washington 25, D. C.

LO-314-ET-1 On May 31, 1962, the WORLD BANK made a loan equivalent to \$2.9 million to the Imperial Board of Telecommunications of Ethiopia. The loan will help to finance equipment required for the further improvement and extension of Ethiopia's telephone and telegraph network, begun by the Board with the help of a WORLD BANK loan ten years ago. The reconstruction of the communications system, left in ruins by World War II, has aided the growth of production and trade in Ethiopia, as well as the conduct of public administration; and a strong demand for increased service continues as a feature of the country's economic development.

The Bank of America N.T. & S. A. of San Francisco, First National City Bank of New York and Irving Trust Company, New York, are participating in the loan, without the WORLD BANK's guarantee, for a total amount of \$128,000.

Among those present at the signing of the loan documents were - from left to right: His Excellency Berhanou Dinke, Ambassador of Ethiopia in Washington, D.C.; and Sir William Iliff, Vice President of the WORLD BANK.

Photo: Edmund Huffman for WORLD BANK

314-ET-1



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-1 A call by Ato Kebede Bayeleyegne, Assistant Governor of Bahar-Dar, Ethiopia is speedily put through to Imperial Highways Department in Gondar.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-2



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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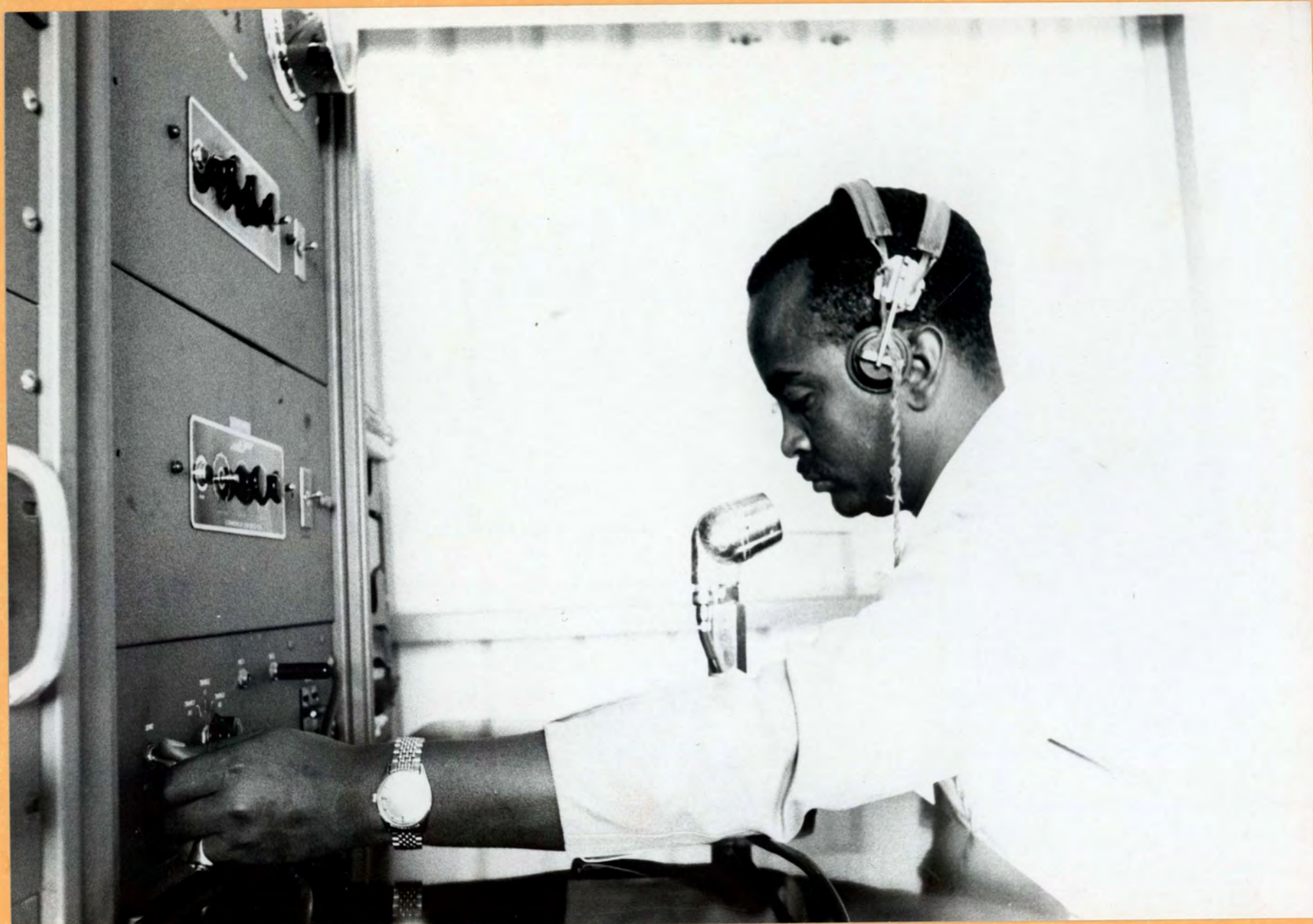
314-ET-2 Ethiopian children in Bahar-Dar near the
telecommunications building.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

3/4-ET-3



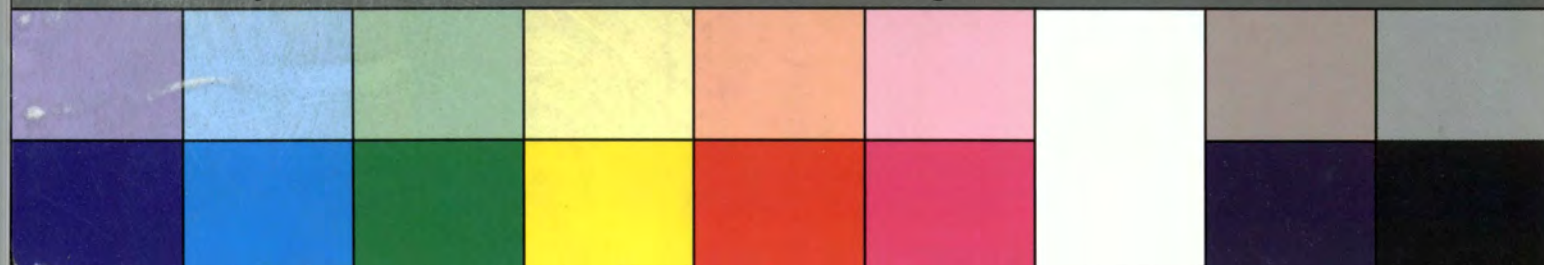
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Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-3 Telecommunication system at Bahar-Dar air-
port in Ethiopia.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-7

*Negative
Scratched*



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

KODAK Color Control Patches © The Tiffen Company, 2000

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314-ET-7 The inter-urban exchange room, installed in 1968, in the Telecommunications building in Gondar with connections to all towns in Ethiopia.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

KODAK Color Control Patches © The Tiffen Company, 2000

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314-ET-4 A telecommunication sign in Adis Zeman,
Ethiopia.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-5



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-5 The telecommunication station in the town
of Adis Zeman, Ethiopia.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-6



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-6 The Telecommunications building in Gondar,
Ethiopia.

WORLD BANK funds are assisting the improve-
ment and extension of Ethiopia's telephone and
telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-8 The inter-urban exchange room, installed in 1968, in the Telecommunications building in Gondar with connections to all towns in Ethiopia.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldon for WORLD BANK.

November 1969



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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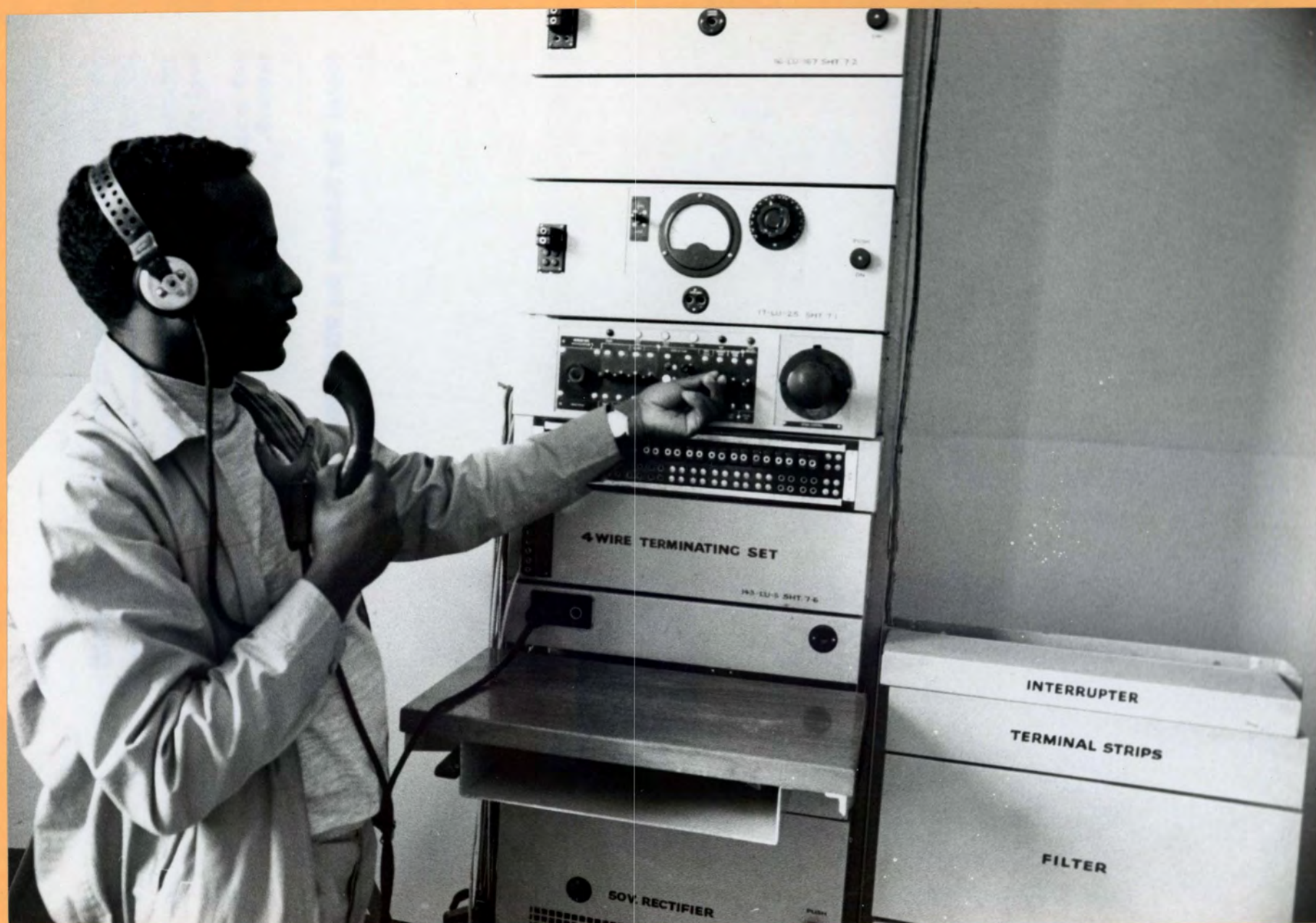
314-ET-9 The inter-urban exchange room, installed in 1968, in the Telecommunications building in Gondar with connections to all towns in Ethiopia.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-10



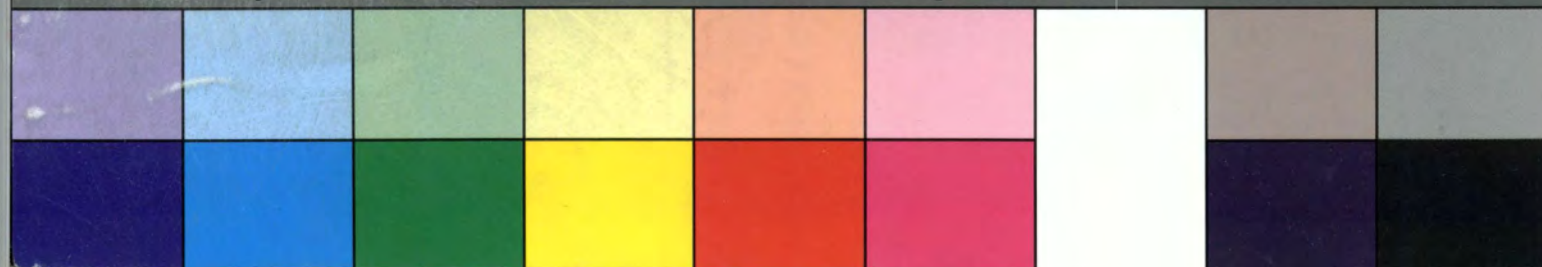
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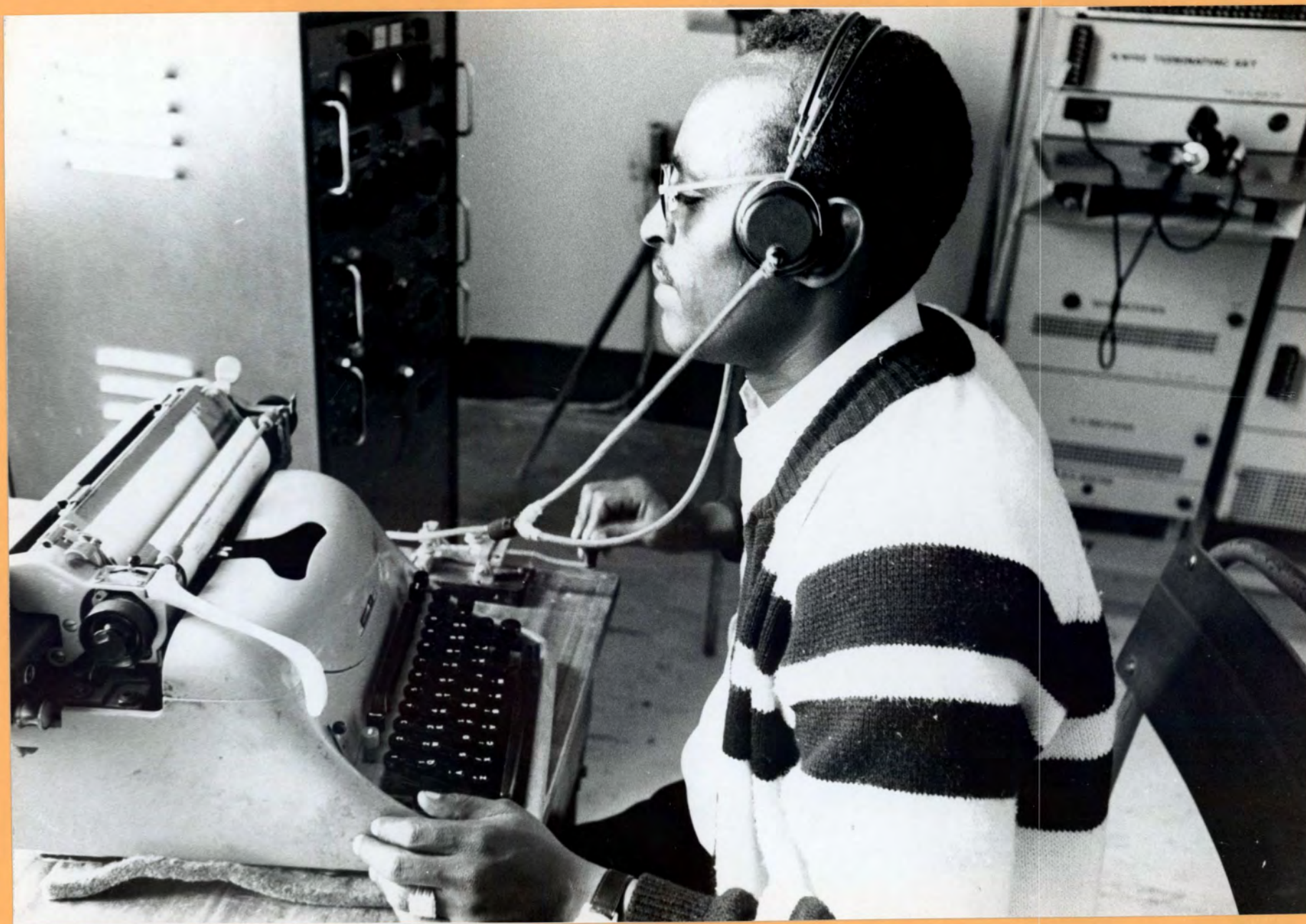
314-ET-10 Radio telephone terminal in Gondar, Ethiopia,
used when the inter-urban line is interrupted.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-11



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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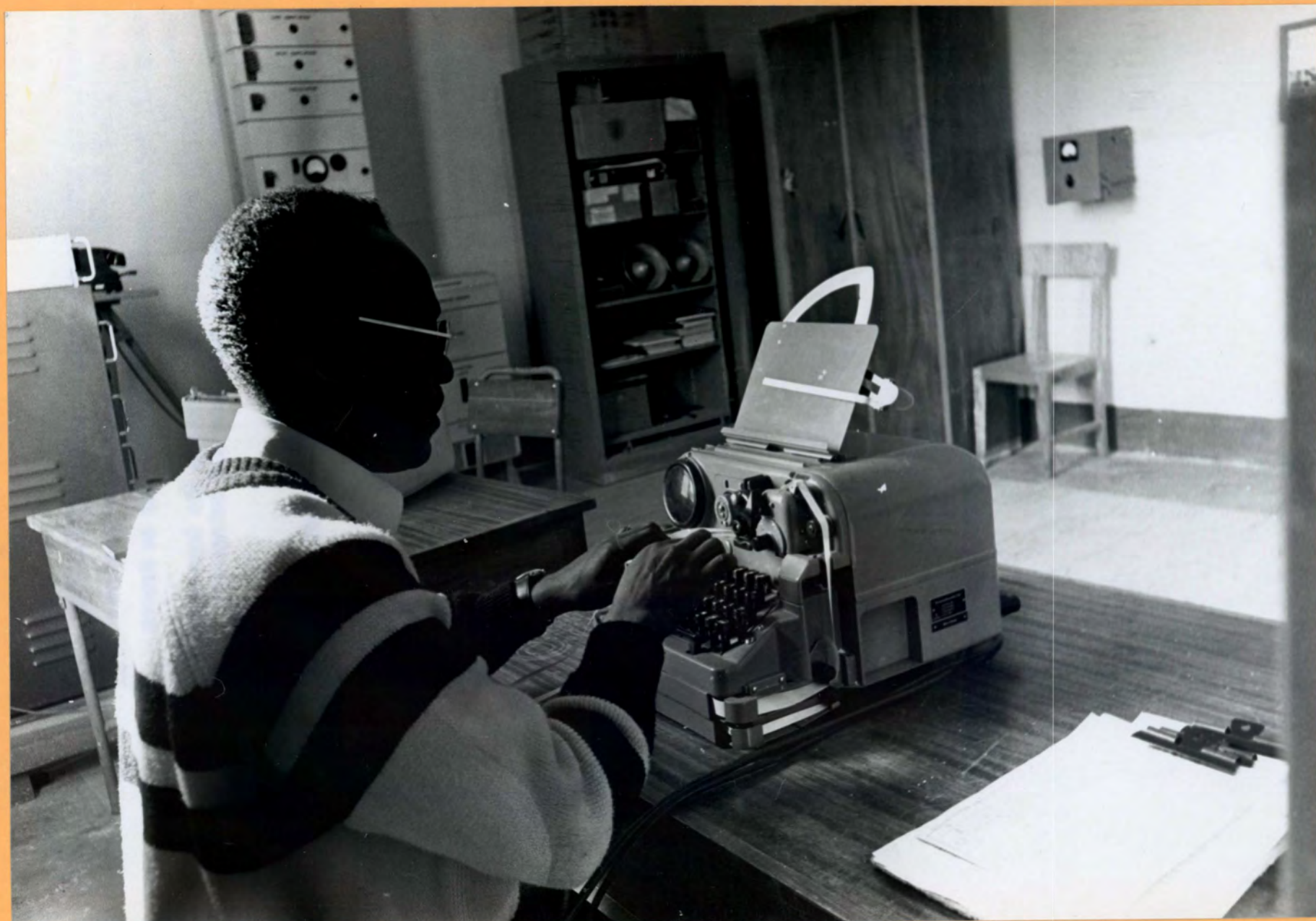
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314-ET-11 Operator receiving Morse code in the radio telephone terminal at Gondar, Ethiopia.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969



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314-ET-12 Teleprinter at work on the Gondar to Asmara link.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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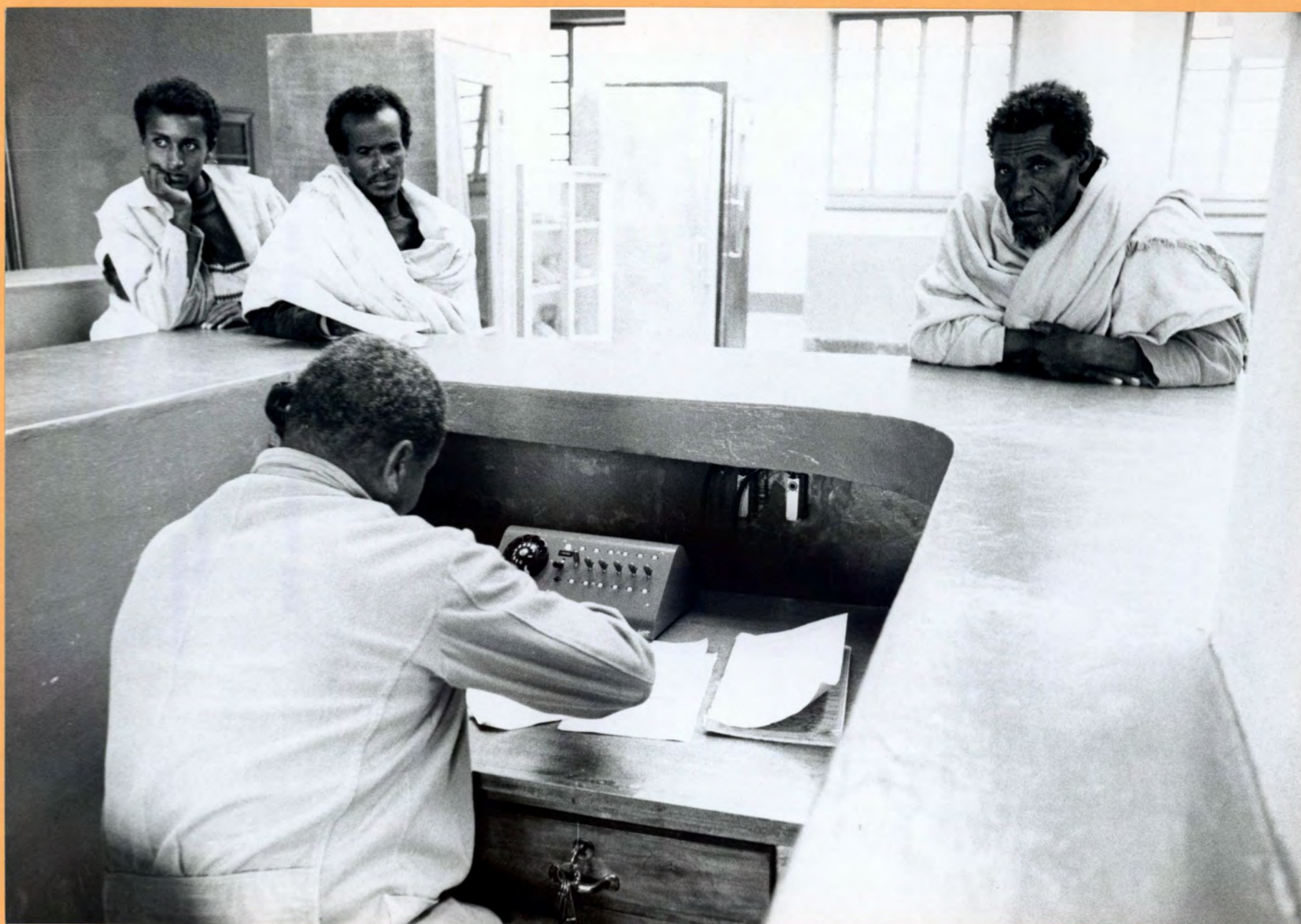
314-ET-13 The inter-urban exchange room, installed in 1968, in the Telecommunications building in Gondar with connections to all towns in Ethiopia.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-14



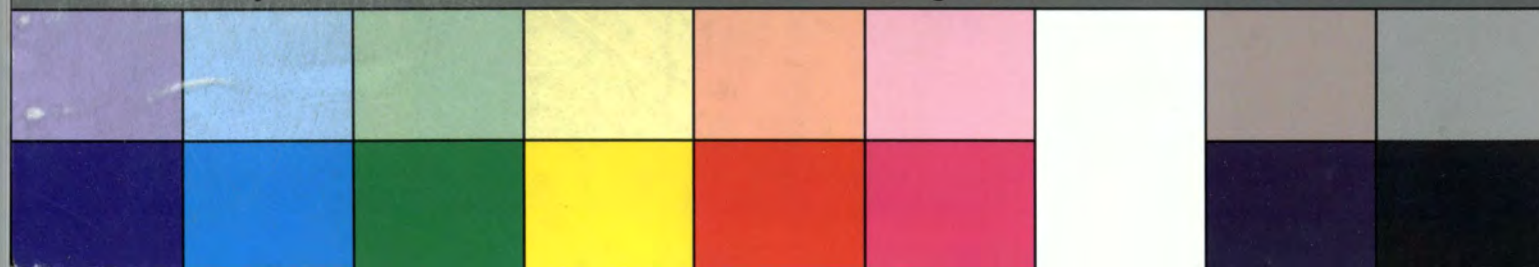
Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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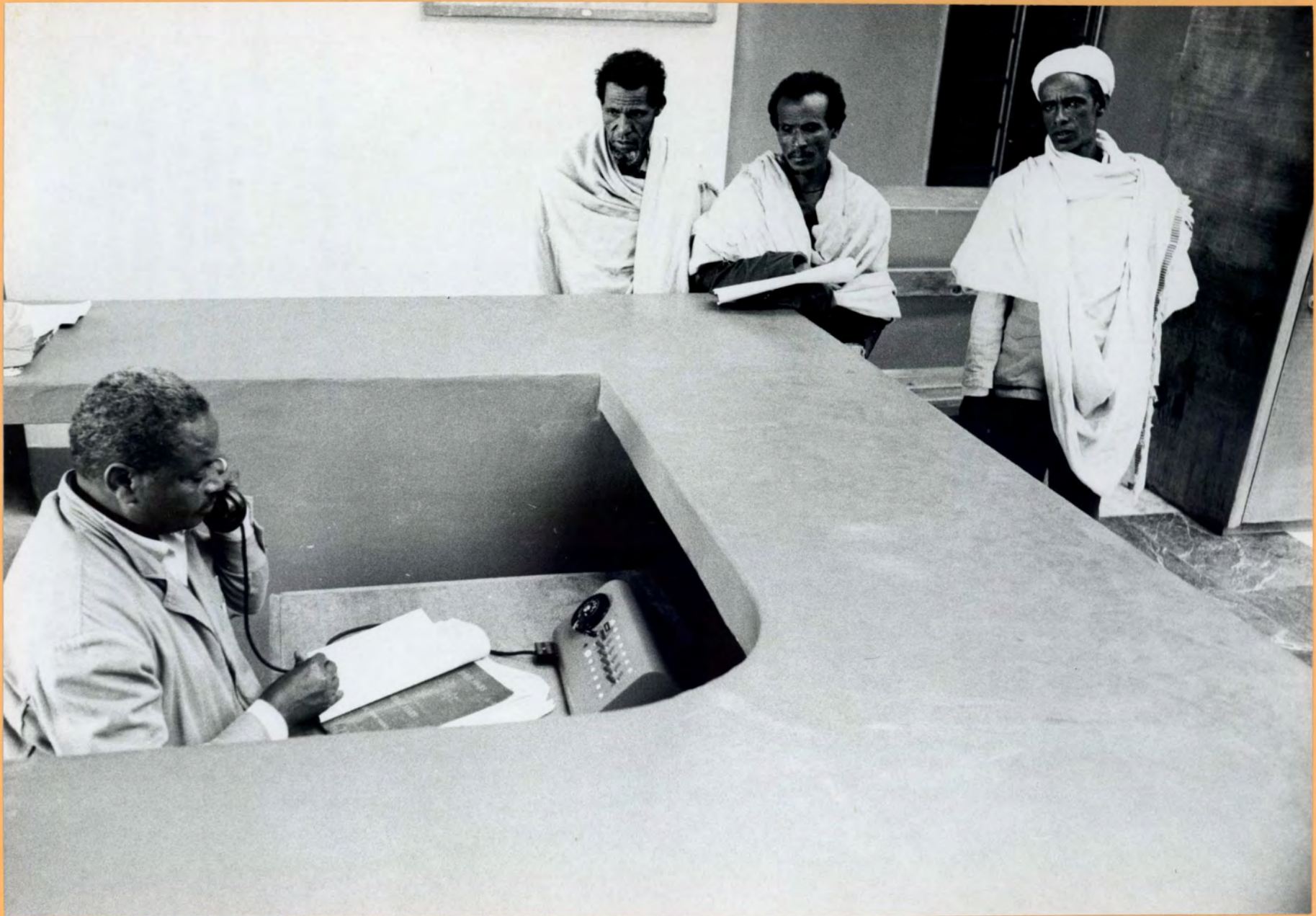
314-ET-14 The Gondar telephone pay station in
Ethiopia.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969

314-ET-15



Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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314-ET-15 The Gondar telephone pay station in Ethiopia.
WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for WORLD BANK.

November 1969



Inches 1 2 3 4 5 6 7 8

Centimetres

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UN-RT-45 An operator at work on a Telex machine in the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Ray Muldoon for U.N.

1969

(TECH:ETH:TELE:GNI*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,505

ADDIS ABABA, ETHIOPIA, 1970.

Sweden and the World Bank in 1969 provided the Imperial Board of Telecommunications of Ethiopia with \$9 million of external financing to further improve and expand Ethiopia's telecommunications system, the earlier development of which had been assisted by three previous Bank loans totalling \$9.2 million. Under the present development programme, which will help Ethiopia's economic development by improving the communications facilities available to government and business, the capacity of the country's local exchanges will nearly double, allowing the doubling also of the number of connected telephones. Ethiopia's long-distance network, based largely on the use of open-wire lines, is totally inadequate to meet today's or future toll traffic needs. To meet this increase, microwave UHF and VHF radio links will be established, and automatic trunk exchanges and associated facilities installed to speed up and improve the quality of long-distance service throughout Ethiopia and enable subscribers to dial calls between the five principal cities.

An operator at work on a Telex machine in the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

Please credit: UNITED NATIONS

Muldoon/jr

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Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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114-57-43 A section of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: May Muldoon for U.N.

1969

(TECH:ETH:TELE:GNL*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,503 ADDIS ABABA, ETHIOPIA, 1970.

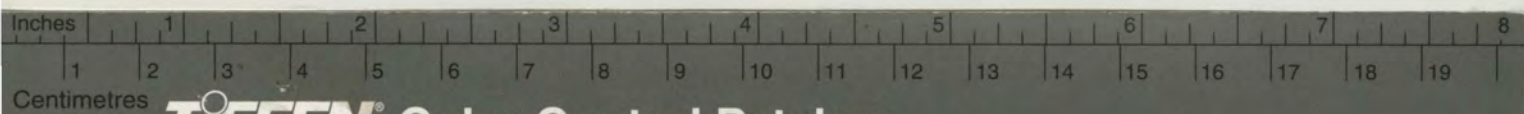
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A section of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

Please credit: UNITED NATIONS

Muldoon/jr

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314-IT-41 A section of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for UNITED NATIONS.

1969

(TECH:ETH:TELE:GML*)
SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,501. ADDIS ABABA, ETHIOPIA, 1970.

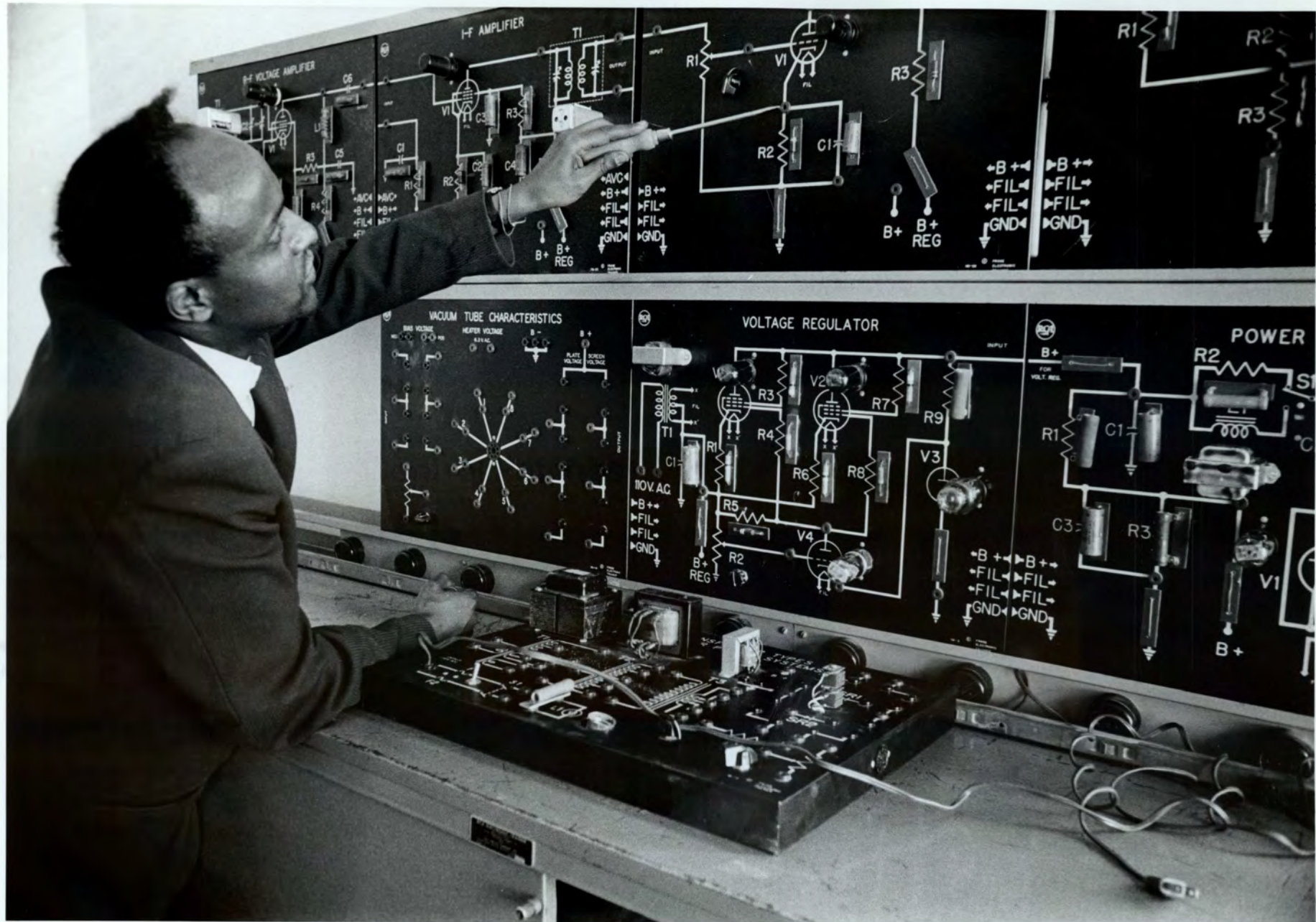
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A section of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

Please credit: UNITED NATIONS

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Inches 1 2 3 4 5 6 7 8

Centimetres

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77-32-54 An instructor describes circuitry to a class at the training school of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETH:TELE:TSCH*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,516 ADDIS ABABA, ETHIOPIA, 1970.

Sweden and the World Bank in 1969 provided the Imperial Board of Telecommunications of Ethiopia with \$9 million of external financing to further improve and expand Ethiopia's telecommunications system, the earlier development of which had been assisted by three previous Bank loans totalling \$9.2 million. Under the present development programme, which will help Ethiopia's economic development by improving the communications facilities available to government and business, the capacity of the country's local exchanges will nearly double, allowing the doubling also of the number of connected telephones. Ethiopia's long-distance network, based largely on the use of open-wire lines, is totally inadequate to meet today's or future toll traffic needs. To meet this increase, microwave UHF and VHF radio links will be established, and automatic trunk exchanges and associated facilities installed to speed up and improve the quality of long-distance service throughout Ethiopia and enable subscribers to dial calls between the five principal cities.

An instructor describes circuitry to a class at the training school of the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

Please credit: UNITED NATIONS

Muldoon/jr

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Inches 1 2 3 4 5 6 7 8

Centimetres 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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114-EE-53 An operator receives morse code in the telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETH:TELE:GNI*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,515

ADDIS ABABA, ETHIOPIA, 1970.

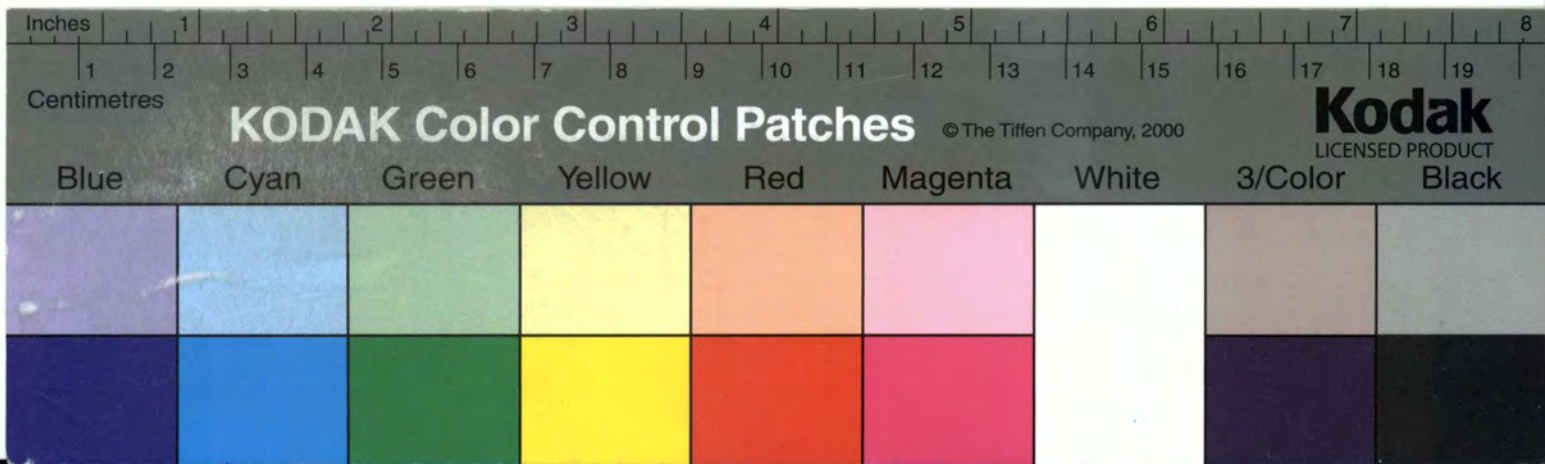
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An operator receives morse code in the telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

Please credit: UNITED NATIONS

Muldoon/jr

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Washington, D.C. 20433

316-ET-47 An operator checks a subscriber listing at the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa. WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETH:TELE:GNL*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,507 ADDIS ABABA, ETHIOPIA, 1970.

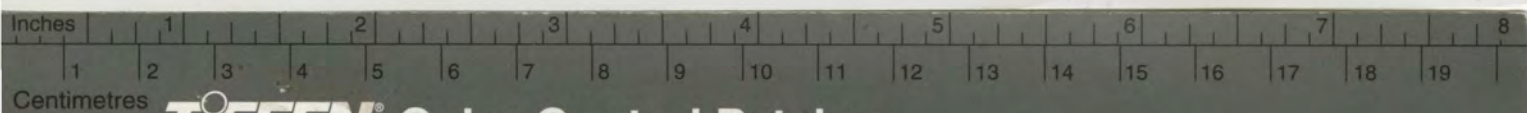
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An operator checks a subscriber listing at the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

Please credit: UNITED NATIONS

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314-ET-57 Technicians examine equipment in the
Telecommunications Department of the Imperial Board of
Telecommunications of Ethiopia in Addis Ababa.

WORLD BANK funds are assisting the improvement
and extension of Ethiopia's telephone and telegraph
network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETHTELE:GML#)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,509

ADDIS ABABA, ETHIOPIA, 1970.

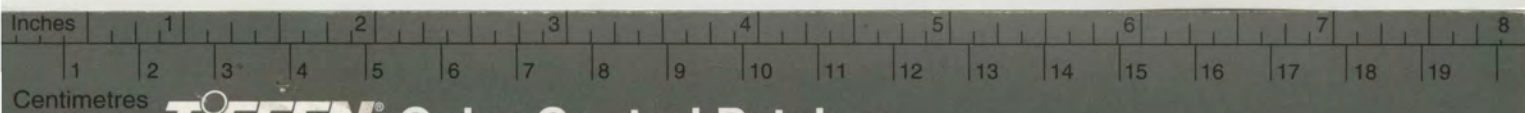
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Technicians examine equipment in the Telecommunications Department of the Imperial Board of Telecommunications of Ethiopia in Addis Ababa.

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Washington, D.C. 20433

314-ET-52 A technician tests a selector in the automatic telephone exchange in the new telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETH:TELE:GNI*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,514

ADDIS ABABA, ETHIOPIA, 1970.

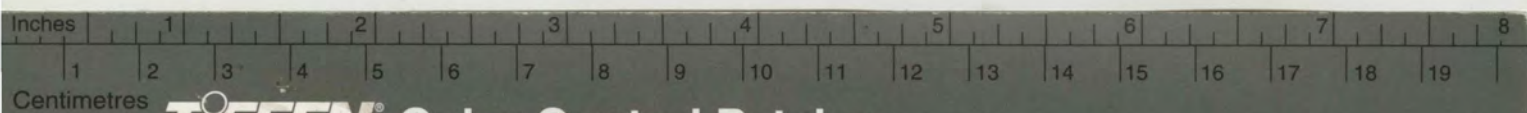
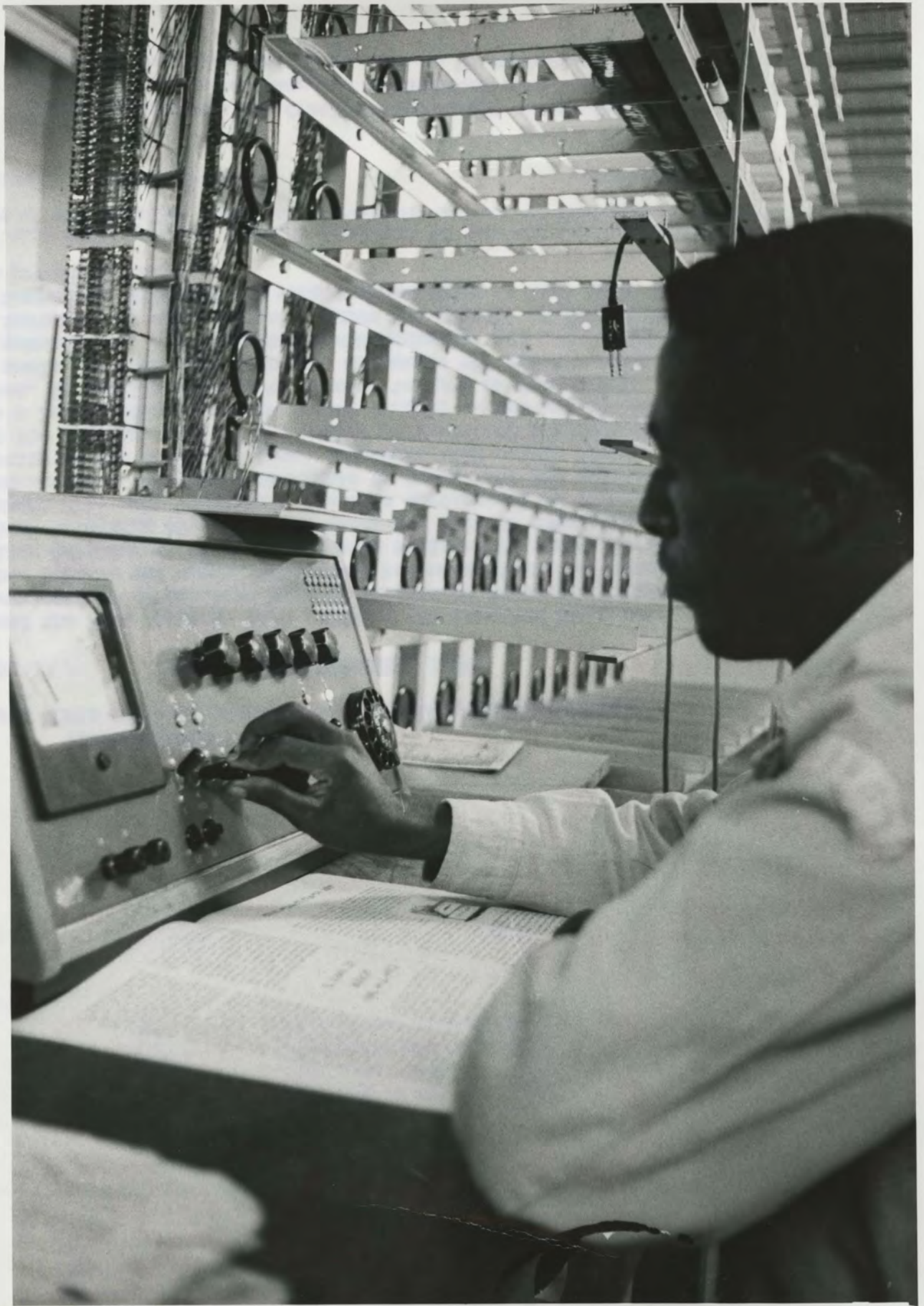
Sweden and the World Bank in 1969 provided the Imperial Board of Telecommunications of Ethiopia with \$9 million of external financing to further improve and expand Ethiopia's telecommunications system, the earlier development of which had been assisted by three previous Bank loans totalling \$9.2 million. Under the present development programme, which will help Ethiopia's economic development by improving the communications facilities available to government and business, the capacity of the country's local exchanges will nearly double, allowing the doubling also of the number of connected telephones. Ethiopia's long-distance network, based largely on the use of open-wire lines, is totally inadequate to meet today's or future toll traffic needs. To meet this increase, microwave UHF and VHF radio links will be established, and automatic trunk exchanges and associated facilities installed to speed up and improve the quality of long-distance service throughout Ethiopia and enable subscribers to dial calls between the five principal cities.

A technician tests a selector in the automatic telephone exchange in the new telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

Please credit: UNITED NATIONS

Muldoon/jr

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INTERNATIONAL YEAR FOR RECONSTRUCTION AND DEVELOPMENT
1970-1971

10-00001 A technician works on line testing equipment in the new telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar. WORLD BANK funds are assisting the improvement of the condition of Ethiopia's telephone and telegraph network.

Photo by Muldeon for U.N.

1969

(TECH:ETH:TELE:GNI*)

SWEDEN AND WORLD BANK AID ETHIOPIA'S TELECOMMUNICATIONS NETWORK

UN 115,513 ADDIS ABABA, ETHIOPIA, 1970.

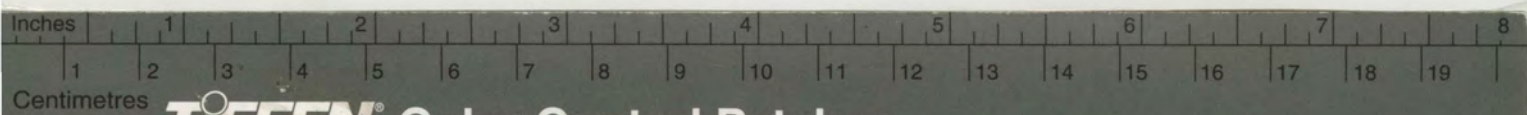
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UN-115-512 The inter-urban telephone exchange room of the new telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

WORLD BANK funds are assisting the improvement and extension of Ethiopia's telephone and telegraph network.

Photo: Kay Muldoon for U.N.

1969

(TECH:ETH:TELE:GML*)

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UN 115,512

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The inter-urban telephone exchange room of the new telecommunications building of the Imperial Board of Telecommunications of Ethiopia at Gondar.

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