

# Electrical Communication

Technical Journal of the International Telephone and Telegraph Corporation, 1922 - 1966.

## List of articles (with notes and comments)

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### Foreword:

*Electrical Communication* is the ITT / STC technical journal for the period from 1922-1966. It contains a wealth of articles which are of historical, scientific and technical interest. Some of the articles also appear in the Bell System Technical Journal (BSTJ, available from:

<http://www3.alcatel-lucent.com/bstj/> ) and in other academic journals, but many are unique.

Individual issues of EC can be downloaded from the Colegio Oficial Asociación Española Ingenieros de Telecomunicación (COIT) website:

<http://archivodigital.coit.es/index.php/mod.articulos/mem.catalogos/> .

The files available from COIT consist of scanned pages collected into PDFs. With the information presented in that form, the only way to search for articles is to download each issue and read the contents page. The process is laborious, and still leaves anyone who might like to make use of the information with the task of compiling notes and citations for future reference. This document is intended to alleviate that problem. It shows the contents of each issue, so that the relevant file can be opened or downloaded if an entry seems interesting.

Ideally, all of the articles should be listed in machine-readable form; but a means for automatic production of such lists was not available when this document was produced. Hence although some articles (particularly ones containing keywords interesting to this author) are properly listed, many of the entries are simply images of contents pages. Still; it is not difficult to scroll-through looking for potentially interesting articles, and so it should prove useful to others.

DWK, Nov. 2010.

### 1(1), Aug. 1922.

**Recent developments in electrical communication.** J L McQuarrie. p4

**Telephone repeaters.** Pt. 1. Description and Operation. B Gherardi. p6

**The dynamical theory of amplifying and oscillating systems.** H W Nichols. p11

**A new type of high power vacuum tube.** W Wilson. p15

[same paper as BSTJ-1(1) 1922, p4-17]

**A unique demonstration of the public address system.** p22

**Some notes on statistics.** S L Andrew. p27

**Rehabilitation of the Antwerp factory.** J S Wright. p32

**Analysis of the energy distribution of speech.** I B Crandall, D MacKenzie. p34

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**The nature of speech and its interpretation.** H Fletcher. p41

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**The future of long distance telephony in Europe.** F Gill. p8.

**Telephone repeaters.** Pt. 2. Application of repeater. B Gherardi. p27

**Notes on loaded long-distance telephone cables in Europe.** P E Erikson. p37

**The physical characteristics of audition and dynamical analysis of the external ear.** R L Wegel. p43.

[same paper as BSTJ-1(2) 1922. p56-68 (BSTJ version includes synopsis) ]

**The binaural location of complex sounds.** R V L Hartley, T C Fry. p51

[same paper as BSTJ-1(2) 1922. p33-42]

**A low voltage cathode ray oscillograph.** J B Johnson. p57

[same paper as BSTJ-1(2) 1922. p142-151 (BSTJ version includes synopsis) ]

**The business cycle: the interest of the telephone industry in its analysis.** F E Richter. p63

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Heaviside was a telegraph operator for the Great Northern Telegraph Co. in 1870-74.

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Reprint from Proc. IEE, Part II, v. 97, p236-245, April 1950. [Comprehensive bibliography].



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Correction is required on p117. see vol. 28(4), p321.

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