A Complete Bibliography of *The Bell System Technical Journal*, 1940–1949

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

16 March 2020
Version 1.04

Title word cross-reference

8000-Cycle [LPSW49].

A-C [Bar49]. **Abstracts** [Ano40a, Ano40b, Ano40c, Ano40d, Ano41a, Ano41b, Ano41d, Ano41c, Ano42a, Ano43a, Ano43b, Ano43c, Ano44a, Ano44b, Ano44c, Ano44d, Ano45a, Ano45b, Ano45c, Ano46a, Ano46b, Ano46c, Ano47a, Ano47b, Ano47c, Ano47d, Ano48a, Ano48b, Ano48c, Ano48d, Ano49a, Ano49b, Ano49c, Ano49d]. **Accuracy** [Slo40]. **Action** [BB49]. **Active** [Pet48]. **Admittances** [Rob49a, Rob49c]. **Advances** [Mat40]. **Amplification** [Hol49]. **Amplifier** [Bod40, PH49]. **Amplifiers** [Ben40, For46]. **Analogies** [Mas41]. **Analyses** [Sta41]. **Analysis** [Bud48, Dar40a, Gou40, Loz47, McS44, Ric44, Ric45, Sch48]. **angle** [Hoy47]. **Antennas** [FL47, MT47]. **Aperiodic** [Har41]. **Application** [GS40, Ric49b]. **Applications** [DM48, Mas43]. **approximate** [GS48]. **Arbitrarily** [BP49]. **Arrays** [Sch43]. **Arsenic** [SP40]. **Articles** [Ano40a, Ano40b, Ano40c, Ano41a, Ano41b, Ano41d, Ano41c, Ano42a, Ano43a, Ano43b, Ano43c, Ano44a, Ano44b, Ano44c, Ano44d, Ano45a, Ano45b, Ano45c, Ano46a, Ano46b, Ano46c, Ano47a, Ano47b, Ano47c, Ano47d, Ano48a, Ano48b, Ano48c, Ano48d, Ano49a, Ano49b, Ano49c, Ano49d]. **Aspect** [Clo48]. **Aspects** [RK49, SS44]. **associated** [Ric49b, Tho47]. **Atoms** [Dar41]. **Attenuation** [Bod40, Tho47]. **Authors**

References

Alsberg:1949:PDR

[AL49] D. A. Alsberg and D. Leed. A precise direct reading phase and transmission measuring system for video frequencies. *The Bell System Technical Journal*, 28 (2):221–238, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-221.pdf; http://www.alcatel-lucent.com/bstj/`

vol28-1949/articles/bstj28-2-221.pdf.

Albersheim:1949:PTW

[Alb49] W. J. Albersheim. Propagation of TE01 waves in curved wave guides. *The Bell System Technical Journal*, 28(1):1–32, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-1.pdf.

Anonymous:1940:ATAa

[Ano40a] Anonymous. Abstracts of technical articles from Bell System authors. *The Bell System Technical Journal*, 19(1):156–158, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-156.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-156.pdf.

Anonymous:1940:ATAb

[Ano40b] Anonymous. Abstracts of technical articles from Bell System authors. *The Bell System Technical Journal*, 19(3):489–491, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-489.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-489.pdf.

Anonymous:1940:ATAc

[Ano40c] Anonymous. Abstracts of technical articles from Bell System authors. *The Bell System Technical Journal*, 19(4):647–650, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-647.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-647.pdf.

Anonymous:1940:ATP

[Ano40d] Anonymous. Abstracts of technical papers by Bell System authors. *The Bell System Technical Journal*, 19(2):336–337, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-336.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-336.pdf.

Anonymous:1940:CIa

[Ano40e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 19(1):159–160, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-159.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-159.pdf.

Anonymous:1940:CIb

[Ano40f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 19(2):338–339, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-338.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-338.pdf`.

Anonymous:1940:CIc

[Ano40g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 19(3):492–493, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-492.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-492.pdf`.

Anonymous:1940:CId

[Ano40h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 19(4):651, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-651.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-651.pdf`.

Anonymous:1941:ATAa

[Ano41a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 20(1):125–128, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-125.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-125.pdf`.

Anonymous:1941:ATAb

[Ano41b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 20(2):250–252, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-250.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-250.pdf`.

Anonymous:1941:ATAd

[Ano41c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 20(4):439–441, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-439.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-439.pdf`.

Anonymous:1941:ATAc

[Ano41d] Anonymous. Abstracts of technical articles by Bell Systems authors. *The Bell System Technical Journal*, 20(3):359–363, July

1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-359.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-359.pdf.

Anonymous:1941:CIa

[Ano41e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 20(1):129–130, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-129.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-129.pdf.

Anonymous:1941:CIb

[Ano41f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 20(2):253–254, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-253.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-253.pdf.

Anonymous:1941:CIc

[Ano41g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 20(3):364, July 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-364.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-364.pdf.

Anonymous:1941:CId

[Ano41h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 20(4):442, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-442.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-442.pdf.

Anonymous:1942:ATA

[Ano42a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 21(1):75–78, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol21/bstj21-1-75.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-75.pdf.

Anonymous:1942:CI

[Ano42b] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 21(1):79, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol21/bstj21-1-79.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-79.pdf.

Anonymous:1943:ATAa

[Ano43a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 22(1):136–142, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-136.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-136.pdf`.

Anonymous:1943:ATAb

[Ano43b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 22(2):266–267, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-266.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-266.pdf`.

Anonymous:1943:ATAc

[Ano43c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 22(3):397–401, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-397.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-397.pdf`.

Anonymous:1943:CIa

[Ano43d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 22(1):143, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-143.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-143.pdf`.

Anonymous:1943:CIb

[Ano43e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 22(2):268, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-268.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-268.pdf`.

Anonymous:1943:CIc

[Ano43f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 22(3):402, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-402.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-402.pdf`.

Anonymous:1944:ATAa

[Ano44a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical*

Journal, 23(1):130–132, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-130.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-130.pdf`.

Anonymous:1944:ATAb

[Ano44b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 23(2):203–205, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-203.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-203.pdf`.

Anonymous:1944:ATAc

[Ano44c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 23(3):333–335, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-3-333.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-333.pdf`.

Anonymous:1944:ATAd

[Ano44d] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 23(4):458–459, October 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-4-458.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-4-458.pdf`.

Anonymous:1944:CIa

[Ano44e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 23(1):133, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-133.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-133.pdf`.

Anonymous:1944:CIb

[Ano44f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 23(2):206, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-206.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-206.pdf`.

Anonymous:1944:CIc

[Ano44g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 23(3):336, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/`

bstj23-3-336.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-336.pdf.

Anonymous:1944:CId

[Ano44h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 23(4):460, October 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-4-460.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-4-460.pdf.

Anonymous:1945:ATAa

[Ano45a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 24(1):157–158, January 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-1-157.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-1-157.pdf.

Anonymous:1945:ATAb

[Ano45b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 24(2):301–302, April 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-2-301.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-2-301.pdf.

Anonymous:1945:ATAc

[Ano45c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 24(3):462–466, July/October 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-3-462.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-3-462.pdf.

Anonymous:1945:CIa

[Ano45d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 24(1):159, January 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-1-159.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-1-159.pdf.

Anonymous:1945:CIb

[Ano45e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 24(2):303, April 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-2-303.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-2-303.pdf.

Anonymous:1945:CIc

[Ano45f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 24(3):467, July/October 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-3-467.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-3-467.pdf`.

Anonymous:1946:ATAa

[Ano46a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 25(1):159–164, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-159.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-159.pdf`.

Anonymous:1946:ATAb

[Ano46b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 25(3):532–536, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-532.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-532.pdf`.

Anonymous:1946:ATAc

[Ano46c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 25(4):652–654, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-652.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-652.pdf`.

Anonymous:1946:CIa

[Ano46d] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 25(1):165–166, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-165.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-165.pdf`.

Anonymous:1946:CIb

[Ano46e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 25(2):349, April 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-2-349.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-2-349.pdf`.

Anonymous:1946:CIc

[Ano46f] Anonymous. Contributors to this issue. *The Bell System Techni-*

cal Journal, 25(3):537–538, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-537.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-537.pdf`.

Anonymous:1946:CId

[Ano46g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 25(4):655–656, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-655.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-655.pdf`.

Anonymous:1947:ATAa

[Ano47a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 26(1):213–216, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-1-213.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-213.pdf`.

Anonymous:1947:ATAb

[Ano47b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 26(2):388–393, April 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-2-388.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-2-388.pdf`.

Anonymous:1947:ATAc

[Ano47c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 26(3):682–690, July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-682.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-682.pdf`.

Anonymous:1947:ATAd

[Ano47d] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 26(4):900–903, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-900.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-900.pdf`.

Anonymous:1947:CIa

[Ano47e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 26(1):217–218, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-`

labs.com/BSTJ/images/Vol26/bstj26-1-217.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-217.pdf.

Anonymous:1947:CIb

[Ano47f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 26(2):394, April 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-2-394.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-2-394.pdf.

Anonymous:1947:CIc

[Ano47g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 26(3):691, July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-691.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-691.pdf.

Anonymous:1947:CId

[Ano47h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 26(4):904, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-904.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-904.pdf.

Anonymous:1948:ATAa

[Ano48a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 27(1):175–180, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-175.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-175.pdf.

Anonymous:1948:ATAb

[Ano48b] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 27(2):372–376, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-372.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-372.pdf.

Anonymous:1948:ATAc

[Ano48c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 27(3):589–590, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-589.pdf; http://www.alcatel-lucent.com/bstj/

vol27-1948/articles/bstj27-3-589.pdf.

Anonymous:1948:ATAd

[Ano48d] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 27(4):747–751, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-747.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-747.pdf.

Anonymous:1948:CIa

[Ano48e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 27(1):181–182, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-181.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-181.pdf.

Anonymous:1948:CIb

[Ano48f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 27(2):377–378, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-377.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-377.pdf.

Anonymous:1948:CIc

[Ano48g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 27(3):591–592, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-591.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-591.pdf.

Anonymous:1948:CId

[Ano48h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 27(4):752, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-752.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-752.pdf.

Anonymous:1949:ATAa

[Ano49a] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 28(1):157–161, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-157.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-157.pdf.

Anonymous:1949:ATAb

[Ano49b] Anonymous. Abstracts of technical articles by Bell System au-

thors. *The Bell System Technical Journal*, 28(2):329–331, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-329.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-329.pdf`.

Anonymous:1949:ATAc

[Ano49c] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 28(3):596–598, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-596.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-596.pdf`.

Anonymous:1949:ATAd

[Ano49d] Anonymous. Abstracts of technical articles by Bell System authors. *The Bell System Technical Journal*, 28(4):751–752, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-751.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-751.pdf`.

Anonymous:1949:CIa

[Ano49e] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 28(1):162–163, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-162.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-162.pdf`.

Anonymous:1949:CIb

[Ano49f] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 28(2):332–334, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-332.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-332.pdf`.

Anonymous:1949:CIc

[Ano49g] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 28(3):599–600, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-599.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-599.pdf`.

Anonymous:1949:CId

[Ano49h] Anonymous. Contributors to this issue. *The Bell System Technical Journal*, 28(4):753, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/`

bstj28-4-753.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-753.pdf.

Anonymous:1949:ENR

[Ano49i] Anonymous. Editorial note regarding semiconductors. *The Bell System Technical Journal*, 28(3):335–343, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-335.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-335.pdf.

Armstrong:1946:XRS

[Arm46] Elizabeth J. Armstrong. X-ray studies of surface layers of crystals. *The Bell System Technical Journal*, 25(1):136–155, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-136.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-136.pdf.

Bond:1943:UXR

[BA43] W. L. Bond and E. J. Armstrong. Use of X-rays for determining the orientation of quartz crystals. *The Bell System Technical Journal*, 22(3):293–337, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-293.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-293.pdf.

Baldwin:1940:SSS

[Bal40] Millard W. Baldwin, Jr. The subjective sharpness of simulated television images. *The Bell System Technical Journal*, 19(4): 563–586, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-563.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-563.pdf.

Bardeen:1949:TCI

[Bar49] J. Bardeen. On the theory of the A-C impedance of a contact rectifier. *The Bell System Technical Journal*, 28(3):428–434, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-428.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-428.pdf.

Bardeen:1949:PPI

[BB49] J. Bardeen and W. H. Brattain. Physical principles involved in transistor action. *The Bell System Technical Journal*, 28 (2):239–277, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-

labs.com/BSTJ/images/Vol28/bstj28-2-239.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-239.pdf.

Bennett:1940:CMR

[Ben40] W. R. Bennett. Cross-modulation requirements on multichannel amplifiers below overload. *The Bell System Technical Journal*, 19(4): 587–610, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-587.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-587.pdf.

Bennett:1941:TDM

[Ben41] W. R. Bennett. Time division multiplex systems. *The Bell System Technical Journal*, 20 (2):199–221, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-199.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-199.pdf.

Bennett:1944:RLR

[Ben44] W. R. Bennett. Response of a linear rectifier to signal and noise. *The Bell System Technical Journal*, 23(1):97–113, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-97.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-97.pdf.

Bennett:1947:BIR

[Ben47] W. R. Bennett. The biased ideal rectifier. *The Bell System Technical Journal*, 26(1): 139–169, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-1-139.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-139.pdf.

Bennett:1948:SQS

[Ben48] W. R. Bennett. Spectra of quantized signals. *The Bell System Technical Journal*, 27 (3):446–472, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-446.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-446.pdf.

Becker:1947:PUT

[BGP47] J. A. Becker, C. B. Green, and G. L. Pearson. Properties and uses of thermistors–thermally sensitive resistors. *The Bell System Technical Journal*, 26(1): 170–212, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-

labs.com/BSTJ/images/Vol26/bstj26-1-170.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-170.pdf.

Blanchard:1941:HER

[Bla41] Julian Blanchard. The history of electrical resonance. *The Bell System Technical Journal*, 20(4): 415–433, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-415.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-415.pdf.

Blackman:1943:EFI

[Bla43] R. B. Blackman. Effect of feedback on impedance. *The Bell System Technical Journal*, 22(3): 269–277, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-269.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-269.pdf.

Blount:1941:DON

[Blo41] H. Blount. Design and operation of new copper wire drawing plant: Part I — design and operation of high speed copper wire drawing machines. *The Bell System Technical Journal*, 20 (1):95–110, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-95.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-95.pdf.

Booth:1940:CBC

[BO40] R. P. Booth and T. M. Odarenko. Crosstalk between coaxial conductors in cable. *The Bell System Technical Journal*, 19 (3):358–384, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-358.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-358.pdf.

Bode:1940:RBA

[Bod40] H. W. Bode. Relations between attenuation and phase in feedback amplifier design. *The Bell System Technical Journal*, 19(3):421–454, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-421.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-421.pdf.

Bond:1943:MSQ

[Bon43a] W. L. Bond. Methods for specifying quartz crystal orientation and their determination by optical means. *The Bell System Technical Journal*, 22(2):224–262, July

1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-224.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-224.pdf.

Bond:1943:MSP

[Bon43b] W. L. Bond. A mineral survey for piezo-electric materials. *The Bell System Technical Journal*, 22(2):145–152, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-145.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-145.pdf.

Bond:1943:MPP

[Bon43c] Walter L. Bond. The mathematics of physical properties of crystals. *The Bell System Technical Journal*, 22(1):1–72, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-1.pdf.

Bozorth:1940:PBF

[Boz40] R. M. Bozorth. The physical basis of ferromagnetism. *The Bell System Technical Journal*, 19(1):1–39, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-1.pdf.

Bennett:1949:EFV

[BP49] W. R. Bennett and L. C. Peterson. The electrostatic field in vacuum tubes with arbitrarily spaced elements. *The Bell System Technical Journal*, 28(2):303–314, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-303.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-303.pdf.

Brogle:1949:DRE

[Bro49] A. P. Brogle, Jr. The design of reactive equilizers. *The Bell System Technical Journal*, 28(4):716–750, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-716.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-716.pdf.

Buckley:1942:FTT

[Buc42] Oliver E. Buckley. The future of transoceanic telephony. *The Bell System Technical Journal*, 21(1):1–19, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-

labs.com/BSTJ/images/Vol21/bstj21-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-1.pdf.

Budenbom:1948:APW

[Bud48] H. T. Budenbom. Analysis and performance of waveguide-hybrid rings for microwaves. *The Bell System Technical Journal*, 27 (3):473–486, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-473.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-473.pdf.

Burns:1940:MQC

[Bur40] G. K. Burns. Manufacture of quartz crystal filters. *The Bell System Technical Journal*, 19(4): 516–532, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-516.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-516.pdf.

Chinn:1940:NSV

[CGM40] H. A. Chinn, D. K. Gannett, and R. M. Morris. A new standard volume indicator and reference level. *The Bell System Technical Journal*, 19(1):94–137, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-94.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-94.pdf.

Clarke:1946:SNE

[Cla46] J. L. Clarke. Some novel expressions for the propagation constant of a uniform line. *The Bell System Technical Journal*, 25 (1):156–157, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-156.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-156.pdf.

Clos:1948:ADB

[Clo48] Charles Clos. An aspect of the dialing behavior of subscribers and its effect on the trunk plant. *The Bell System Technical Journal*, 27(3):424–445, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-424.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-424.pdf.

Cowan:1941:ERP

[CML41] F. A. Cowan, R. G. McCurdy, and I. E. Lattimer. Engineering requirements for program transmission circuits. *The Bell System Technical Journal*, 20 (2):235–249, April 1941. CODEN BSTJAN. ISSN 0005-

8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-235.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-235.pdf.

Curtis:1940:CPT

[Cur40] A. M. Curtis. Contact phenomena in telephone switching circuits. *The Bell System Technical Journal*, 19(1):40–62, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-40.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-40.pdf.

Darrow:1940:AI

[Dar40a] Karl K. Darrow. Analysis of the ionosphere. *The Bell System Technical Journal*, 19(3):455–488, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-455.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-455.pdf.

Darrow:1940:NF

[Dar40b] Karl K. Darrow. Nuclear fission. *The Bell System Technical Journal*, 19(2):267–289, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-267.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-267.pdf.

Darrow:1941:FAW

[Dar41] Karl K. Darrow. Forces and atoms: The world of the physicist. *The Bell System Technical Journal*, 20(3):340–358, July 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-340.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-340.pdf.

Darrow:1942:E

[Dar42] Karl K. Darrow. Entropy. *The Bell System Technical Journal*, 21(1):51–74, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol21/bstj21-1-51.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-51.pdf.

Darrow:1943:MCS

[Dar43a] Karl K. Darrow. Memorial to the classical statistics. *The Bell System Technical Journal*, 22(1):108–135, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-108.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-108.pdf.

Darrow:1943:NSM

[Dar43b] Karl K. Darrow. The new statistical mechanics. *The Bell System Technical Journal*, 22(3): 362–392, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-362.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-362.pdf.

Dennis:1949:RTM

[DF49] F. R. Dennis and E. P. Felch. Reactance tube modulation of phase shift oscillators. *The Bell System Technical Journal*, 28(4): 601–607, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-601.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-601.pdf.

DHeedene:1944:EMD

[D'H44] A. R. D'Heedene. Effects of manufacturing deviations on crystal units for filters. *The Bell System Technical Journal*, 23 (3):260–281, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-3-260.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-260.pdf.

Davey:1948:FST

[DM48] J. R. Davey and A. L. Matte. Frequency shift telegraphy – radio and wire applications. *The Bell System Technical Journal*, 27 (2):265–304, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-265.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-265.pdf.

Dodge:1941:SSD

[DR41] H. F. Dodge and H. G. Romig. Single sampling and double inspection tables. *The Bell System Technical Journal*, 20(1):1–61, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-1.pdf.

Dagnall:1949:DEE

[DR49] C. H. Dagnall and P. W. Rounds. Delay equalization of eight-kilocycle carrier program circuits. *The Bell System Technical Journal*, 28(2):181–195, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-181.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-181.pdf.

Dudley:1940:CNS

[Dud40] Homer Dudley. The carrier nature of speech. *The Bell System Technical Journal*, 19(4):495–515, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-495.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-495.pdf.

Edson:1945:IBO

[Eds45] W. A. Edson. Intermittent behavior in oscillators. *The Bell System Technical Journal*, 24 (1):1–22, January 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-1-1.pdf.

Eggleston:1945:ERB

[Egg45] Richard C. Eggleston. Evaluating the relative bending strength of crossarms. *The Bell System Technical Journal*, 24(1): 23–45, January 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-1-23.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-1-23.pdf.

Englund:1944:DCP

[Eng44] Carl R. Englund. Dielectric constants and power factors at centimeter wave-lengths. *The Bell System Technical Journal*, 23(1): 114–129, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-114.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-114.pdf.

Fair:1945:PCO

[Fai45] I. E. Fair. Piezoelectric crystals in oscillator circuits. *The Bell System Technical Journal*, 24 (2):161–216, April 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-2-161.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-2-161.pdf.

Fay:1947:HVO

[Fay47] C. E. Fay. High-vacuum oxide-cathode pulse modulator tubes. *The Bell System Technical Journal*, 26(4):818–836, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-818.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-818.pdf.

Feldman:1949:BWT

[FB49] C. B. Feldman and W. R. Bennett. Band width and transmission per-

formance. *The Bell System Technical Journal*, 28(3):490–595, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-490.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-490.pdf.

Fisk:1946:MGC

[FHH46] J. B. Fisk, H. D. Hagstrum, and P. L. Hartman. The magnetron as a generator of centimeter waves. *The Bell System Technical Journal*, 25(2):167–348, April 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-2-167.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-2-167.pdf.

Farkas:1949:BPF

[FHS49] F. S. Farkas, F. J. Hallenbeck, and F. E. Stehlik. Band pass filter, band elimination filter and phase simulating network for carrier program systems. *The Bell System Technical Journal*, 28 (2):196–220, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-196.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-196.pdf.

Friis:1947:RA

[FL47] H. T. Friis and W. D. Lewis. Radar antennas. *The Bell System Technical Journal*, 26(2): 219–317, April 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-2-219.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-2-219.pdf.

Ford:1946:CVT

[For46] G. T. Ford. Characteristics of vacuum tubes for radar intermediate frequency amplifiers. *The Bell System Technical Journal*, 25(3):385–407, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-385.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-385.pdf.

Friis:1948:MRR

[Fri48] H. T. Friis. Microwave repeater research. *The Bell System Technical Journal*, 27(2):183–246, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-183.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-183.pdf.

Fry:1941:IM

[Fry41] Thornton C. Fry. Industrial mathematics. *The Bell System Technical Journal*, 20(3):255–292, July 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-255.pdf`; `http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-255.pdf`.

Fuller:1946:SRC

[Ful46] C. S. Fuller. Some recent contributions to synthetic rubber research. *The Bell System Technical Journal*, 25(3):351–384, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-351.pdf`; `http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-351.pdf`.

Green:1946:TFM

[GFF46] E. I. Green, H. J. Fisher, and J. G. Ferguson. Techniques and facilities for microwave radar testing. *The Bell System Technical Journal*, 25(3):435–482, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-435.pdf`; `http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-435.pdf`.

Goucher:1946:SGS

[GHDR46] F. S. Goucher, J. R. Haynes, W. A. Depp, and E. J. Ryder. Spark gap switches for radar. *The Bell System Technical Journal*, 25(4):563–602, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-563.pdf`; `http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-563.pdf`.

Gannett:1944:DCP

[GK44] D. K. Gannett and Iden Kerney. The discernibility of changes in program band width. *The Bell System Technical Journal*, 23(1):1–10, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-1.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-1.pdf`.

Goodall:1947:TPC

[Goo47] W. M. Goodall. Telephony by pulse code modulation. *The Bell System Technical Journal*, 26(3):395–409, July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-395.pdf`; `http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-395.pdf`.

Gould:1940:CCC

[Gou40] K. E. Gould. Crosstalk in coaxial cables — analysis based on short-circuited and open tertiaries. *The Bell System Technical Journal*, 19(3):341–357, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-341.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-341.pdf`.

Graham:1946:LST

[Gra46] Robert E. Graham. Linear servo theory. *The Bell System Technical Journal*, 25(4):616–651, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-616.pdf`; `http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-616.pdf`.

Greenidge:1944:MFP

[Gre44] R. M. C. Greenidge. The mounting and fabrication of plated quartz crystal units. *The Bell System Technical Journal*, 23 (3):234–259, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-3-234.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-234.pdf`.

Germer:1940:TDI

[GS40] L. H. Germer and K. H. Storks. Technical digests: An interesting application of electron diffraction. *The Bell System Technical Journal*, 19(1):152–155, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-152.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-152.pdf`.

Gray:1948:ASL

[GS48] Marion C. Gray and S. A. Schelkunoff. The approximate solution of linear differential equations. *The Bell System Technical Journal*, 27(2):350–364, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-350.pdf`; `http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-350.pdf`.

Hartley:1941:SSD

[Har41] R. V. L. Hartley. Steady state delay as related to aperiodic signals. *The Bell System Technical Journal*, 20(2):222–234, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-222.pdf`; `http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-222.pdf`.

Harrison:1945:MPI

[Har45] C. W. Harrison. The measurement of the performance index of quartz plates. *The Bell System Technical Journal*, 24(2):217–252, April 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-2-217.pdf`; `http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-2-217.pdf`.

Hebbert:1941:TCT

[Heb41] C. M. Hebbert. The transmission characteristics of toll telephone cables at carrier frequencies. *The Bell System Technical Journal*, 20(3):293–330, July 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-293.pdf`; `http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-293.pdf`.

Heising:1940:REL

[Hei40] R. A. Heising. Radio extension links to the telephone system. *The Bell System Technical Journal*, 19(4):611–646, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-611.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-611.pdf`.

Herring:1949:TTP

[Her49] Conyers Herring. Theory of transient phenomena in the transport of holes in an excess semiconductor. *The Bell System Technical Journal*, 28(3):401–427, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-401.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-401.pdf`.

Hollenberg:1949:EOA

[Hol49] A. V. Hollenberg. Experimental observation of amplification by interaction between two electron streams. *The Bell System Technical Journal*, 28(1):52–58, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-52.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-52.pdf`.

Hoyt:1947:PFM

[Hoy47] Ray S. Hoyt. Probability functions for the modulus and angle of the normal complex variate. *The Bell System Technical Journal*, 26(2):318–359, April 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-2-318.pdf`; `http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-2-318.pdf`.

Johnson:1946:DT

[Joh46] K. S. Johnson. Decibel tables. *The Bell System Technical Journal*, 25(1):158, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-158.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-158.pdf.

Jones:1946:PCV

[JP46] T. A. Jones and K. W. Pfleger. Performance characteristics of various carrier telegraph methods. *The Bell System Technical Journal*, 25(3):483–531, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-483.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-483.pdf.

Keeling:1942:UDS

[KC42] D. B. Keeling and L. E. Cisne. Using double sampling inspection in a manufacturing plant. *The Bell System Technical Journal*, 21(1):37–50, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol21/bstj21-1-37.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-37.pdf.

Kock:1948:MDL

[Koc48] Winston E. Kock. Metallic delay lenses. *The Bell System Technical Journal*, 27(1):58–82, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-58.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-58.pdf.

Kinzer:1947:EPS

[KW47a] J. P. Kinzer and I. G. Wilson. End plate and side wall currents in circular cylinder cavity resonator. *The Bell System Technical Journal*, 26(1):31–79 (1 plate), January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-1-31.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-31.pdf.

Kinzer:1947:SRC

[KW47b] J. P. Kinzer and I. G. Wilson. Some results on cylindrical cavity resonators. *The Bell System Technical Journal*, 26(3):410–445 (1 plate), July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-410.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-410.pdf.

LeCorbeiller:1943:EWR

[LeC43] P. LeCorbeiller. Electromagnetic waves: Review of S. A. Schelkunoff's book. *The Bell System Technical Journal*, 22(3): 393–396, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-393.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-393.pdf.

Leutritz:1946:WSC

[Leu46] John Leutritz, Jr. A wood soil contact culture technique for laboratory study of wood-destroying fungi, wood decay and wood preservation. *The Bell System Technical Journal*, 25(1): 102–135, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-102.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-102.pdf.

Legg:1940:CPM

[LG40] V. E. Legg and F. J. Given. Compressed powered molybdenum permalloy for high quality inductance coils. *The Bell System Technical Journal*, 19(3):385–406, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-385.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-385.pdf.

Little:1941:ITW

[Lit41] J. S. Little. Insulation of telephone wire with paper pulp. *The Bell System Technical Journal*, 20 (1):82–94, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-82.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-82.pdf.

Lozier:1947:SAP

[Loz47] J. C. Lozier. Spectrum analysis of pulse modulated waves. *The Bell System Technical Journal*, 26(2):360–387, April 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-2-360.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-2-360.pdf.

Leconte:1949:CSC

[LPSW49] R. A. Leconte, D. B. Penick, C. W. Schramm, and A. J. Wier. A carrier system for 8000-cycle program transmission. *The Bell System Technical Journal*, 28 (2):165–180, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-165.pdf; http://

www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-165.pdf.

Lewis:1948:NRB

[LT48] W. D. Lewis and L. C. Tillotson. A non-reflecting branching filter for microwaves. *The Bell System Technical Journal*, 27 (1):83–95, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-83.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-83.pdf.

MacColl:1943:FEE

[Mac43] L. A. MacColl. The fundamental equations of electron motion. Dynamics of high speed particles. *The Bell System Technical Journal*, 22(2):153–177, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-153.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-153.pdf.

Marrison:1948:EQC

[Mar48] Warren A. Marrison. The evolution of the quartz crystal clock. *The Bell System Technical Journal*, 27(3):510–588, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-510.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-510.pdf.

Mason:1940:LTC

[Mas40] W. P. Mason. Low temperature coefficient quartz crystals. *The Bell System Technical Journal*, 19(1):74–93, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-74.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-74.pdf.

Mason:1941:EMA

[Mas41] W. P. Mason. Electrical and mechanical analogies. *The Bell System Technical Journal*, 20(4): 405–414, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-405.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-405.pdf.

Mason:1943:QCA

[Mas43] W. P. Mason. Quartz crystal applications. *The Bell System Technical Journal*, 22(2):178–223, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-178.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-178.pdf.

Mason:1947:FSO

[Mas47] W. P. Mason. First and second order equations for piezoelectric crystals expressed in tensor form. *The Bell System Technical Journal*, 26(1):80–138, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-1-80.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-80.pdf.

Matte:1940:ACT

[Mat40] A. L. Matte. Advances in carrier telegraph transmission. *The Bell System Technical Journal*, 19 (2):161–208, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-161.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-161.pdf.

McSkimin:1944:TAM

[McS44] H. J. McSkimin. Theoretical analysis of modes of vibration for isotropic rectangular plates having all surfaces free. *The Bell System Technical Journal*, 23 (2):151–177, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-151.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-151.pdf.

Mindlin:1945:DPC

[Min45] Raymond D. Mindlin. Dynamics of package cushioning. *The Bell System Technical Journal*, 24 (3):353–461, July/October 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-3-353.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-3-353.pdf.

Morrison:1947:RR

[Mor47] L. W. Morrison, Jr. The radar receiver. *The Bell System Technical Journal*, 26(4):693–817, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-693.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-693.pdf.

Mott:1944:IRT

[Mot44] E. E. Mott. Indicial response of telephone receivers. *The Bell System Technical Journal*, 23 (2):135–150, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-135.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-135.pdf.

Meacham:1948:EMP

[MP48] L. A. Meacham and E. Peterson. An experimental multichannel pulse code modulation system of toll quality. *The Bell System Technical Journal*, 27(1):1–43, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-1.pdf.

Mason:1940:EWF

[MS40] W. P. Mason and R. A. Sykes. Electrical wave filters employing crystals with normal and divided electrodes. *The Bell System Technical Journal*, 19 (2):221–248, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-221.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-221.pdf.

Mueller:1947:PA

[MT47] G. E. Mueller and W. A. Tyrrell. Polyrod antennas. *The Bell System Technical Journal*, 26(4): 837–851, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-837.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-837.pdf.

Muller:1948:TMS

[Mul48] J. T. Muller. Transients in mechanical systems. *The Bell System Technical Journal*, 27(4): 657–683, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-657.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-657.pdf.

Mumford:1948:MFF

[Mum48] W. W. Mumford. Maximally-flat filters in waveguide. *The Bell System Technical Journal*, 27 (4):684–713, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-684.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-684.pdf.

Mumford:1949:BBM

[Mum49] W. W. Mumford. A broad-band microwave noise source. *The Bell System Technical Journal*, 28(4): 608–618, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-608.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-608.pdf.

Nyquist:1940:EQC

[NP40] H. Nyquist and K. W. Pfleger. Effect of the quadrature component in single sideband transmission. *The Bell System Technical Journal*, 19(1):63–73, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-63.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-63.pdf`.

Padowicz:1942:DDH

[Pad42] H. N. Padowicz. Diamond dies for high-speed drawing of copper wire. *The Bell System Technical Journal*, 21(1):20–36, June 1942. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol21/bstj21-1-20.pdf; http://www.alcatel-lucent.com/bstj/vol21-1942/articles/bstj21-1-20.pdf`.

Peterson:1946:CPR

[Pet46] E. Peterson. Coil pulsers for radar. *The Bell System Technical Journal*, 25(4):603–615, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-603.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-603.pdf`.

Peterson:1948:ECL

[Pet48] Liss C. Peterson. Equivalent circuits of linear active four-terminal networks. *The Bell System Technical Journal*, 27(4):593–622, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-593.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-593.pdf`.

Pierce:1949:NTH

[PH49] J. R. Pierce and W. B. Hebenstreit. A new type of high-frequency amplifier. *The Bell System Technical Journal*, 28 (1):33–51, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-33.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-33.pdf`.

Pierce:1943:NTL

[Pie43] J. R. Pierce. A note on the transmission line equation in terms of impedance. *The Bell System Technical Journal*, 22(2):263–265, July 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-2-263.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-2-263.pdf`.

Pierce:1945:PLE

[Pie45] J. R. Pierce. Physical limitations in electron ballistics. *The Bell System Technical Journal*, 24

(3):305–321, July/October 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-3-305.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-3-305.pdf.

Pierce:1948:NRE

[Pie48a] J. R. Pierce. Noise in resistances and electron streams. *The Bell System Technical Journal*, 27 (1):158–174, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-158.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-158.pdf.

Pierce:1948:TFT

[Pie48b] J. R. Pierce. Transverse fields in traveling-wave tubes. *The Bell System Technical Journal*, 27(4): 732–746, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-732.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-732.pdf.

Polkinghorn:1940:SSM

[Pol40] F. A. Polkinghorn. A single sideband musa receiving system for commercial operation on transatlantic radio telephone circuits. *The Bell System Technical Journal*, 19(2):306–335, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-306.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-306.pdf.

Pomeroy:1947:PMI

[Pom47] Allen F. Pomeroy. Precision measurement of impedance mismatches in waveguide. *The Bell System Technical Journal*, 26(3):446–459, July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-446.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-446.pdf.

Pierce:1947:RO

[PS47] J. R. Pierce and W. G. Shepherd. Reflex oscillators. *The Bell System Technical Journal*, 26(3):460–681, July 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-3-460.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-3-460.pdf.

Rappleye:1946:SDE

[Rap46] S. C. Rappleye. A study of the delays encountered by toll

operators in obtaining an idle trunk. *The Bell System Technical Journal*, 25(4):539–562, October 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-4-539.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-4-539.pdf.

Rea:1944:ETD

[Rea44] W. T. Rea. Effect of telegraph distortion on the margins of operation of start-stop receivers. *The Bell System Technical Journal*, 23(3):207–233, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-3-207.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-207.pdf.

Rice:1941:SSS

[Ric41] S. O. Rice. Steady state solutions of transmission line equations. *The Bell System Technical Journal*, 20(2):131–178, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-131.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-131.pdf.

Rice:1944:MAR

[Ric44] S. O. Rice. Mathematical analysis of random noise. *The Bell System Technical Journal*, 23 (3):282–332, July 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-3-282.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-3-282.pdf.

Rice:1945:MAR

[Ric45] S. O. Rice. Mathematical analysis of random noise. *The Bell System Technical Journal*, 24(1): 46–156, January 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-1-46.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-1-46.pdf.

Rice:1948:RCB

[Ric48a] S. O. Rice. Reflections from circular bends in rectangular wave guides. Matrix theory. *The Bell System Technical Journal*, 27 (2):305–349, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-305.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-305.pdf.

Rice:1948:SPS

[Ric48b] S. O. Rice. Statistical properties of a sine wave plus random

noise. *The Bell System Technical Journal*, 27(1):109–157, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-109.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-109.pdf.

Rice:1949:RCR

[Ric49a] S. O. Rice. Reflection from corners in rectangular wave guides—conformal transformation. *The Bell System Technical Journal*, 28 (1):104–135, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-104.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-104.pdf.

Rice:1949:SSO

[Ric49b] S. O. Rice. A set of second-order differential equations associated with reflections in rectangular wave guides application to guide connected to horn. *The Bell System Technical Journal*, 28 (1):136–156, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-136.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-136.pdf.

Rideout:1948:NPT

[Rid48] V. C. Rideout. A note on parallel-tuned transformer design. *The Bell System Technical Journal*, 27 (1):96–108, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-96.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-96.pdf.

Ring:1948:MDD

[Rin48] D. H. Ring. The measurement of delay distortion in microwave repeaters. *The Bell System Technical Journal*, 27(2):247–264, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-247.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-247.pdf.

Ryder:1949:SCA

[RK49] R. M. Ryder and R. J. Kircher. Some circuit aspects of the transistor. *The Bell System Technical Journal*, 28(3):367–400, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-367.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-367.pdf.

Robertson:1947:TMR

[Rob47] Sloan D. Robertson. Targets for microwave radar navigation. *The Bell System Technical Journal*, 26(4):852–869, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-852.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-852.pdf.

Robertson:1949:EAP

[Rob49a] Sloan D. Robertson. Electronic admittances of parallel-plane electron tubes at 4000 megacycles. *The Bell System Technical Journal*, 28(4):619–646, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-619.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-619.pdf.

Robertson:1949:MMP

[Rob49b] Sloan D. Robertson. A method of measuring phase at microwave frequencies. *The Bell System Technical Journal*, 28(1):99–103, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-99.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-99.pdf.

Robertson:1949:PFP

[Rob49c] Sloan D. Robertson. Passive four-pole admittances of microwave triodes. *The Bell System Technical Journal*, 28(4):647–655, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-4-647.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-647.pdf.

Samuel:1945:EBH

[Sam45] A. L. Samuel. Electron ballistics in high-frequency fields. *The Bell System Technical Journal*, 24(3):322–352, July/October 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-3-322.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-3-322.pdf.

Schumacher:1941:RVT

[SB41] Earle E. Schumacher and G. M. Bouton. A rapid visual test for the quantitative determination of small concentrations of calcium in lead. *The Bell System Technical Journal*, 20(4):434–438, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-434.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-434.pdf.

Schumacher:1943:MFW

[SBP43] E. E. Schumacher, G. M. Bouton, and G. S. Phipps. The metallurgy of fillet wiped soldered joints. *The Bell System Technical Journal*, 22(1):73–79, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-73.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-73.pdf.

Schelkunoff:1943:MTL

[Sch43] S. A. Schelkunoff. A mathematical theory of linear arrays. *The Bell System Technical Journal*, 22(1):80–107, January 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-1-80.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-1-80.pdf.

Schelkunoff:1948:MEF

[Sch48] S. A. Schelkunoff. Methods of electromagnetic field analysis. *The Bell System Technical Journal*, 27(3):487–509, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-487.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-487.pdf.

Samuel:1946:GDT

[SCM46] A. L. Samuel, J. W. Clark, and W. W. Mumford. The gas-discharge transmit-receive switch. *The Bell System Technical Journal*, 25(1):48–101, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-48.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-48.pdf.

Schumacher:1940:MMT

[SE40] Earle E. Schumacher and W. C. Ellis. Metallic materials in the telephone system. *The Bell System Technical Journal*, 19(1): 138–151, January 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-1-138.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-1-138.pdf.

Sears:1948:EBD

[Sea48] R. W. Sears. Electron beam deflection tube for pulse code modulation. *The Bell System Technical Journal*, 27(1):44–57, January 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-1-44.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-1-44.pdf.

Shaw:1944:CDW

[Sha44] Thomas Shaw. The conquest of distance by wire telephony. *The Bell System Technical Journal*, 23(4):337–421, October 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-4-337.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-4-337.pdf.

Shannon:1945:MTC

[Sha45] Claude Shannon. A mathematical theory of cryptography. Classified report, Bell Laboratories, Murray Hill, NJ, USA, September 1, 1945.

Shannon:1948:MTCa

[Sha48a] C. E. Shannon. A mathematical theory of communication. *The Bell System Technical Journal*, 27(3):379–423, July 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-3-379.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-379.pdf.

Shannon:1948:MTCb

[Sha48b] C. E. Shannon. A mathematical theory of communication. *The Bell System Technical Journal*, 27(4):623–656, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-623.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-623.pdf.

Shannon:1949:CTS

[Sha49a] Claude E. Shannon. Communication theory of secrecy systems. *The Bell System Technical Journal*, 28(4):656–715, October 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://en.wikipedia.org/wiki/Communication_Theory_of_Secrecy_Systems; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-4-656.pdf; http://www.cs.ucla.edu/~jkong/research/security/shannon1949.pdf. A footnote on the initial page says: "The material in this paper appeared in a confidential report, 'A Mathematical Theory of Cryptography', dated Sept. 1, 1945 ([Sha45]), which has now been declassified.".

Shannon:1949:STT

[Sha49b] Claude E. Shannon. The synthesis of two terminal switching circuits. *The Bell System Technical Journal*, 28(1):59–98, January 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-1-59.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-1-59.pdf.

Shockley:1949:TPJ

[Sho49] W. Shockley. The theory of p–n junctions in semiconductors and

p–n junction transistors. *The Bell System Technical Journal*, 28(3):435–489, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-435.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-435.pdf`.

Skellett:1940:CIO

[Ske40] A. M. Skellett. The Coronaviser, an instrument for observing the solar corona in full sunlight. *The Bell System Technical Journal*, 19(2):249–261, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-249.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-249.pdf`.

Skellett:1944:MFR

[Ske44] A. M. Skellett. The magnetically focused radial beam vacuum tube. *The Bell System Technical Journal*, 23(2):190–202, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-190.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-190.pdf`.

Slonczewski:1940:HAH

[Slo40] T. Slonczewski. High accuracy heterodyne oscillators. *The Bell System Technical Journal*, 19(3):407–420, July 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-3-407.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-3-407.pdf`.

Slonczewski:1949:TCE

[Slo49] T. Slonczewski. Transconductance as a criterion of electron tube performance. *The Bell System Technical Journal*, 28 (2):315–328, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-315.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-315.pdf`.

Steinberg:1940:RWF

[SMG40] J. C. Steinberg, H. C. Montgomery, and M. B. Gardner. Results of the World's Fair hearing tests. *The Bell System Technical Journal*, 19(4):533–562, October 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-4-533.pdf`; `http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-4-533.pdf`.

Scaff:1947:DSC

[SO47] J. H. Scaff and R. S. Ohl. Development of silicon crystal rectifiers for microwave radar receivers. *The Bell System Technical Journal*, 26(1):1–30, January 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-1-1.pdf; http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-1-1.pdf.

Schumacher:1940:LTA

[SP40] Earle E. Schumacher and G. S. Phipps. Lead–tin–arsenic wiping solder. *The Bell System Technical Journal*, 19(2):262–266, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-262.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-262.pdf.

Shockley:1949:HIG

[SPH49] W. Shockley, G. L. Pearson, and J. R. Haynes. Hole injection in germanium — quantitative studies and filamentary transistors. *The Bell System Technical Journal*, 28(3):344–366, July 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-3-344.pdf; http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-3-344.pdf.

Schumacher:1944:SAP

[SS44] Earle E. Schumacher and Alexander G. Souden. Some aspects of powder metallurgy. *The Bell System Technical Journal*, 23(4):422–457, October 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-4-422.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-4-422.pdf.

Stansel:1941:SAW

[Sta41] F. R. Stansel. Some analyses of wave shapes used in harmonic producers. *The Bell System Technical Journal*, 20(3):331–339, July 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-3-331.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-3-331.pdf.

Sunde:1945:LPB

[Sun45] E. D. Sunde. Lightning protection of buried toll cable. *The Bell System Technical Journal*, 24(2):253–300, April 1945. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol24/bstj24-2-253.pdf; http://www.alcatel-lucent.com/bstj/vol24-1945/articles/bstj24-2-253.pdf.

Strieby:1941:TTW

[SW41] M. E. Strieby and J. F. Wentz. Television transmission over wire lines. *The Bell System Technical Journal*, 20(1):62–81, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-62.pdf`; `http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-62.pdf`.

Sykes:1944:MMQ

[Syk44a] R. A. Sykes. Modes of motion in quartz crystals, the effects of coupling and methods of design. *The Bell System Technical Journal*, 23(1):52–96, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-52.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-52.pdf`.

Sykes:1944:PMQ

[Syk44b] R. A. Sykes. Principles of mounting quartz plates. *The Bell System Technical Journal*, 23 (2):178–189, April 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-2-178.pdf`; `http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-2-178.pdf`.

Tinus:1946:EFC

[TH46] W. C. Tinus and W. H. C. Higgins. Early fire-control radars for naval vessels. *The Bell System Technical Journal*, 25(1):1–47, January 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-1-1.pdf`; `http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-1-1.pdf`.

Thomas:1947:TPA

[Tho47] D. E. Thomas. Tables of phase associated with a semi-infinite unit slope of attenuation. *The Bell System Technical Journal*, 26(4): 870–899, October 1947. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol26/bstj26-4-870.pdf`; `http://www.alcatel-lucent.com/bstj/vol26-1947/articles/bstj26-4-870.pdf`.

Trueblood:1949:LCO

[TS49] H. M. Trueblood and E. D. Sunde. Lightning current observations in buried cable. *The Bell System Technical Journal*, 28 (2):278–302, April 1949. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol28/bstj28-2-278.pdf`; `http://www.alcatel-lucent.com/bstj/vol28-1949/articles/bstj28-2-278.pdf`.

Vaage:1940:SFT

[Vaa40] E. F. Vaage. A solution for faults at two locations in three-phase power systems. *The Bell System Technical Journal*, 19 (2):290–305, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-290.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-290.pdf`.

VanWynen:1943:DTT

[Van43] K. G. VanWynen. Design of two-terminal balancing networks. *The Bell System Technical Journal*, 22(3):278–292, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-278.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-278.pdf`.

Wade:1940:EDT

[Wad40] L. G. Wade. Electrical drying of telephone cable. *The Bell System Technical Journal*, 19 (2):209–220, April 1940. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol19/bstj19-2-209.pdf; http://www.alcatel-lucent.com/bstj/vol19-1940/articles/bstj19-2-209.pdf`.

Werring:1941:EPD

[Wer41] W. W. Werring. Engineering problems in dimensions and tolerances. *The Bell System Technical Journal*, 20(2):179–198, April 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-2-179.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-2-179.pdf`.

Wilkinson:1941:RHT

[Wil41a] Roger I. Wilkinson. The reliability of holding time measurements. *The Bell System Technical Journal*, 20(4):365–404, October 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-4-365.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-4-365.pdf`.

Wiltrakis:1941:DON

[Wil41b] J. E. Wiltrakis. Design and operation of new copper wire drawing plant: Part II — equipping and operating the new wire mill. *The Bell System Technical Journal*, 20(1):111–124, January 1941. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL `http://bstj.bell-labs.com/BSTJ/images/Vol20/bstj20-1-111.pdf; http://www.alcatel-lucent.com/bstj/vol20-1941/articles/bstj20-1-111.pdf`.

Willard:1943:RQI

[Wil43] G. W. Willard. Raw quartz, its imperfections and inspection. *The Bell System Technical Journal*, 22(3):338–361, October 1943. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol22/bstj22-3-338.pdf; http://www.alcatel-lucent.com/bstj/vol22-1943/articles/bstj22-3-338.pdf.

Willard:1944:UET

[Wil44] G. W. Willard. Use of the etch technique for determining orientation and twinning in quartz crystals. *The Bell System Technical Journal*, 23(1):11–51, January 1944. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol23/bstj23-1-11.pdf; http://www.alcatel-lucent.com/bstj/vol23-1944/articles/bstj23-1-11.pdf.

Wise:1948:PCG

[Wis48] W. Howard Wise. Potential coefficients for ground return circuits. *The Bell System Technical Journal*, 27(2):365–371, April 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-2-365.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-2-365.pdf.

Wilson:1946:HQR

[WSK46] I. G. Wilson, C. W. Schramm, and J. P. Kinzer. High Q resonant cavities for microwave testing. *The Bell System Technical Journal*, 25(3):408–434, July 1946. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol25/bstj25-3-408.pdf; http://www.alcatel-lucent.com/bstj/vol25-1946/articles/bstj25-3-408.pdf.

Zinn:1948:TRF

[Zin48] Manvel K. Zinn. Transient response of an FM receiver. *The Bell System Technical Journal*, 27 (4):714–731, October 1948. CODEN BSTJAN. ISSN 0005-8580 (print), 2376-7154 (electronic). URL http://bstj.bell-labs.com/BSTJ/images/Vol27/bstj27-4-714.pdf; http://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-4-714.pdf.