

Royal Society of Edinburgh. Proceedings & Transactions.

PROC.

Leslie. Differential thermometer. Proc. Roy. Soc. Edinb. 1818 see Dewar RI lecture Jan 1921. OK

Brown, SM Experimental Researches on the Production of Silicon from Paracyanogen PRSE **1** 1841 341-3 [reh p255]

William Thomson. Proc RSE Jan 1850 [mer2 p127]

Proc. Roy. Soc. Edinb. **2** 1845, [1851] Vol., pp. 17-18. [F1670]

JD Forbes Reading Maxwell Proc. Roy. Soc. Edinb. **2** 1846 89 [C&S p108] imp

Gregory. Chloroform manufacture Proc. Roy. Soc. Edinb. **2** 1844-50 316 [c&s p 119]

Thomson W The Effect of Pressure in Lowering the Freezing point of Water. PPRSE **2** 1851 267-71 [par p334/mel p243]

R Chambers PRSE **3** 1857 148-153 [par p 340]

Proc. Roy. Soc. Edinb. 1865 dec 18 [thomson – heat of earth, young cp] ? or 'Trans RSE??

Dewar, J. Pyridine. Proc. Roy. Soc. Edinb. **6** 1866-9 82-6 [DSB IV p8a/C&S p80]

Alexander Buchan. PRSE **6** 1869 303-7 [par 374] - weather

Proceedings Royal Society Edinburgh. Feb 19th 1866 [turner – epo]

Robert Louis Stevenson. On the thermal influence of forests. Proc. Roy. Soc. Edinb. ?27 Part II? read May 19th 1873 to RSE, in Transactions and reprinted in Proc

William Thomson (Kelvin) The Kinetic Theory of the Dissipation of Energy Proc. Roy. Soc. Edinb. **8** 1874 325-34 [jobit pxxxix/19th p228/j weber cat 112 at \$350]

Thomson RSE 1876 [mer2 p168] Proc or Trans?

Proc. Roy. Soc. Edinb. **9** 1876 258. [j murray first describes cosmic extraterrestrial material hitting earth]

George Forbes. Pursuit of 9th planet. Proc. Roy. Soc. Edinb. **10** 1880 426, 428, 636; **23** 1902 370 [c&S p75]

John Murray On the structure and origin of coral islands PRSE **10** 505-518 [sea p401] not imp

H. Helmholtz. On galvanic polarization. PRSE **11** 1882 202-4 [rs papers]

Proc. Roy. Soc. Edinb. **11** 1881 20 [part914]

T Muir On a class of permanent symmetric functions PRSE **11** 1882 409-418 [term 'Permanent' – enu]

H. Helmholtz. On galvanic currents passing through a very thin.. PRSE **12** 1884 596-599 [rs papers]

Buist. Proc. Roy. Soc. Edinb. **13** 602? 603-20 1886 [sig/gm5427]

Thomson W On Cauchy's and Green's.. PRSE **15** 1887-8 1889 21-33 [j weber cat 112 at \$200]

Sano (Tait) Proc. Roy. Soc. Edinb. **18** 1891 pp 323, 337 [C&S p 107]

Charles Alexander. Leader cable. Proc. Roy. Soc. Edinb. **20** 1893 25 [c&s p84]

Charles Alexander. Radio. Proc. Roy. Soc. Edinb. **20** 1894 196 [c&s p85]

GRM Murray On the reproduction of diatoms PRSE **21** 1897 207-218 [dsb]

George Forbes. Pursuit of 9th planet. Proc. Roy. Soc. Edinb. **23** 1902 370 [c&S p75] see also **10** 1880

Thomas Muir PRSE **24** 1902-3 p 162 [caj p 241]

Proc. Roy. Soc. Edinb. **25** 1905-6 1085-91 [Ritchie – gm2821]
Sharpey-Schafer. Resuscitation. Proc. Roy. Soc. Edinb. **25** 1903 39 [C&S p97]

Proc. Roy. Soc. Edinb. **39** 157-208 [Knott – dsb]
Milne, JR A Diplex form of Harmonic Synthesiser and its mathematical theory. PRSE 39 1918-9, 234-242 [cor p 139]

GC Simpson The climate during the Pleistocene period. PRSE 50 pt 3 1930 p 262 [shaw p 326/cli p 101]

Ashworth, JHC. Charles Darwin as a student in Edinburgh. Proc. Roy. Soc. Edinb. **55** 1935 pp. 97-113 [see freeman p. 185/dd p133/cd p11]

PAM Dirac. The Relation between Mathematics and Physics Proc RSE **59** 1939 122-129 [dsb17/jweber cat 102 \$250]

Davidson. RNA. Proc. Roy. Soc. Edinb. **62B** 1944 96 [c&Sp82]

Proc. Roy. Soc. Edinb. **62** 1947 271-283 Auerbach & Robson The production of mutations.. [whitehouse]

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GENERAL – LOTS OF D. BREWSTER

Trans. Roy. Soc. Edin. vol. 1 1788. Includes papers by James Hutton, William Greenfield, John Robison, John Hunter, John Macgowan – made £650 at ygelli auction, 2000.

James Hutton. Theory of the Earth: or an investigation of the laws observable in the composition, dissolution, and restoration of land upon the globe. Trans RSE 1 pp 209-304 1788. Rootenberg Dec 2002 at \$4000/thi p. 368 American Naturalist **5** 1871

Trans. Roy. Soc. Edin. **2** 1790 59-72 [Hamilton – gm5523]

Blair Trans. Roy. Soc. Edin. 1791 (C&S p74) minor

Hope (Discovery of strontium) Trans. Roy. Soc. Edin. **4** 1798 3 (C&S p78/Medical History vol. 11 1967 p. 189)

Jardine, R An account of John Roebuck, MD FRS Trans RSE 4 65 1796 [singer IV p257]

Keith TRSE 4 part II 1798 203-8 [therm p 188] thermometer

TC Hope Experiments and observations upon the contraction of water by heat. Trans. Roy. Soc. Edin. **5** 1802 27pp [C&S p 79] weiner disbound offprint at \$50

Hope, TC TRSE 5 1805 379 [Medical History vol. 11 1967 p. 189]

James Hall. Experiments on Whinstone and Lava Trans. Roy. Soc. Edin. vol **5** 1805 part 1 43-75[q37/47 / thi p365/mel p239]

Kennedy R A Chemical analysis of three species of whinstone and lava TRSE 5 76-98 [mel p 245]

J Playfair. A biographical account of the late Dr James Hutton. Trans. Roy. Soc. Edin. 1805 [part 3 only?] [wheldon & Wesley £160]

Charles Bell 1811

Hall, J. Account of a series of experiments showing the effects of compression.. TRSE **6** 1812 71-186 [thi p365/mel p153, 239]

James Hall. On the vertical position and convulsions of certain strata, and their relation with granite. Trans. Roy. Soc. Edin. **7** 1815 30pp. [greene] [pts I & II, incl other Hall papers £250 Pollak March 2002]

John Fleming. Observations on the junction of the fresh water of rivers with the salt water of the sea. Trans. Roy. Soc. Edin. **8** part 2 507 [c&s p84/sea p239, 248]av.

John Murray An analysis of sea-water: with observations on the analysis of salt brines Trans RSE 8 1818 p205-244 [sea p247]

C. Babbage. An examination of some Questions connected with games of chance. Trans. Roy. Soc. Edin. **9** 1821-1823 153-77, 337-52 [copy sold W Dailey £260 1999]

Thomas Lauder Dick. On the Parallel Roads of Lochaber Trans. Roy. Soc. Edin. **9** p1-64 [C&S p 87]

R Knox Observations on the comparative anatomy of the eye Trans. Roy. Soc. Edin. **10** 1826 43-78 [C&S p 95/reh p209, 263] – ‘remarkable piece of research’ infamous anatomist, see GM6623.01

Hall J. On the consolidation of strata of the earth. TRSE 10 1826 314-29 [thi p365]

R Knox Observations on the structure of the stomach of the Peruvian lama.. Trans RSE **11** 1831 479-98 [reh p211, 263]

Thomas Graham. On the Law of the Diffusion of Gases Trans. Roy. Soc. Edin. **12** part 1 1832 pp 222-258 [C&S p 79] + many Brewster papers in this part

D. Brewster. Observations on the Lines of the Solar Spectrum...Trans. Roy. Soc. Edin. **12** 1834 519-530, 538-545 [dsb/King, telescopes, p282]

Forbes, James D Account of some experiments in which an electric spark.. Trans RSE **12** 1832 [pickering & chatto cat 750 no 64}

Robert Christison. On the poisonous properties of Hemlock.. Trans. Roy. Soc. Edin. **13** 1836 part II pp 383-417 [C&S p 98/see GM 2076 Burke & Hare]

William Wallace. Account of the invention of the pantograph.. Trans. Roy. Soc. Edin. **13** 1836 part II pp418-439 [C&S p 91]

John Scott Russell Trans. Roy. Soc. Edin. **14** 47 [c&s p 82]

John Syme Bone formation. Trans. Roy. Soc. Edin. **14** p158 [C&S p95]

Gregory. [A founder of algebra] Trans. Roy. Soc. Edin. **14** 208 [C&S p 91-2]

Connel Trans. Roy. Soc. Edin. **14** 619 [C&S p 90]

Thomas Charles Hope Inquiry whether sea-water has its maximum density a few degrees above its freezing point.. Trans RSE 14 1840 242-252 [sea p218]

Brewster, D. On the conversion of relief by inverted vision. & On the knowledge of distance given by binocular vision. Trans. Roy. Soc. Edin. **15** 1840-1844 349-368, 663-674 657-62? [wade/gm1499, gm1500]

J. Goodsir On the ultimate secreting structure and on the laws of its function. Trans. Roy. Soc. Edin. 15 1842 [C&S p95]imp

Forbes, James D. Researches on heat.. Trans RSE 15 pt 1 1840 [pickering & chatto no 65]

Forbes JD On the theory and construction of a seismometer TRSE 15 1844 p219-28 [thi p225, 361]

D. Milne. On the parallel roads of Lochaber.. Trans. Roy. Soc. Edin. **16** 1847 part 3 24pp [C&S p87]

W Thomson. An account of Carnot's Theory of the Motive Power of Heat, with numerical results deduced from Regnault's Experiments on steam Trans. Roy. Soc. Edin. **16** part V 1848-9 541-574 [w thomson – dsbxii p387b/19thp197/par p334]

James Thomsen. Theoretical considerations on the effect of pressure in lowering the freezing point of water Trans. Roy. Soc. Edin. **16** part V 1848-9 575 [Wilson p36/mer2p126,170] imp

Thomas Stevenson. Accounts of experiments upon the force of the waves of the Atlantic.. Trans RSE 16 1845-9 23-32 [sea p302]

George Wilson On the solubility of fluoride of calcium.. Trans RSE 16 1845-9 pp 145-164 [sea p303]

Carnot Trans. Roy. Soc. Edin. Jan 2 1849 [Kelvin obit p xxxi]

Maxwell Theory of rolling curves. Trans. Roy. Soc. Edin. Communicated by Kellard. Read Feb 19 1849 (Maxwell obit p. 45]

Maxwell. Elastic Solids Trans. Roy. Soc. Edin. 19 Feb 18 1850 [Maxwell obit p45/Crowther p275]early paper

W. Thomson Theory of thermo-electric phenomena Trans. Roy. Soc. Edin. Dec 1851 [obit pxxxv]

W. Thomson. On the Dynamical Theory of Heat: With Numerical results deduced from Mr Joule's..Trans. Roy. Soc. Edin. **20** 1851 (1853?) 261-288 [dsb xiii p387/mer2 p128/yeh] classical memoir**

Rankine. On the mechanical action of heat... Trans. Roy. Soc. Edin. **20** 1850 p147-90 [Wilson p43/C&S p108/19th p211/mer2p128/therm p112/yeh] imp

Forbes & Goodsir On some remarkable marine invertebrata new to the British seas TRSE **20** 1853 307-16 [reh p260]

**W Thomson On a Universal Tendency in Nature to the Dissipation of Mechanical Energy Trans RSE April 19 1852 [mer2 p128, 139] ? As appendix to 'On the Dynamical Theory of Heat..'

Lister J. Trans. Roy. Soc. Edin. **21** 1857 549-557 [dsb/Medical History vol. 14 1970 p. 10]

Maxwell 1st major paper Trans. Roy. Soc. Edin. **21** 1853-7, p275 [C&S p109]

Swan. Sodium line. Trans. Roy. Soc. Edin. **21** 1853-7 p411 [c&S p 110]

Thomson. On the dynamical theory of Heat, Part V. Thermoelectric currents. Trans. Roy. Soc. Edin. **21** 1854 p123 [Wilson p37]

Boole. On the application of the theory of probabilities Trans. Roy. Soc. Edin. **21** 1857 597 [C&S] Keith Prize
WH Fox Talbot. On Fermat's theorem. TRSE **21** 1857 403-6 [rs papers]

Trans. Roy. Soc. Edin. **22** 1857-1861 1-20 [stewart – dsb]

JD Forbes Edinb. Inquiries about terrestrial temperature. Trans. Roy. Soc. Edin. **22** 1857-61 [C&S p 100/cli p 157]

Balfour Stewart Radiant heat Trans. Roy. Soc. Edin. **22** 1857-61 1, 59 [C&S p 110/mer2 p46]

Walker (chemical notation) Trans. Roy. Soc. Edin. **23** 1862-4 707 [C&S p80]

Kelland [maths] Trans. Roy. Soc. Edin. **23** 1862-4 433 [C&sp92]

WH Fox Talbot. On the theory of numbers. TRSE **23** 1861 45-52, 285-298 [rs papers]

Kelvin W Lord Thomson. On the secular cooling of the earth. TRSE **23** 1864 p157-70 [thi p 369]

Trans. Roy. Soc. Edin. **24** 1867 715-88 [fraser – gm 1866.1]

Kelvin Trans. Roy. Soc. Edin. 1867-8 p 217-60 [obit p lviii]

Brown & Fraser. On the connection between chemical constitution and physiological action Trans. Roy. Soc. Edin. **25** 1868-9 151-203 [gm1867], 693 [C&S p80/drug p 88]

Alexander Buchan Mean Pressure and prevailing winds.. Trans. Roy. Soc. Edin. **25** 1867-9 575-638 [c&s p101/par 374] imp.

Maxwell Reciprocal Frames Trans. Roy. Soc. Edin. 1870 [obit p. xv]

Trans. Roy. Soc. Edin. **26** 1871 467-504 [turner – dsb]

J Dewar Trans. Roy. Soc. Edin. **26** 1872 189-196 [DSBIV81a/C&S p 80]benzene properties pyridine

Pettigrew Trans. Roy. Soc. Edin. **26** 321 1870-1872 [c&s p 96] important flight

Robert Louis Stevenson? On the thermal influence of forests. Read before the RS Ed May 19th 1873. [RS Ed file auction note]

Lister J. A contribution to the germ theory of putrefaction.. Trans. Roy. Soc. Edin. **27** 1875 (1872-1876) 313-344 [dsb/C&S p99/j weber cat 115, vol at 300]

Dewar & McKendrick. On the physiological action of light. Trans. Roy. Soc. Edin. **27** 1872-4 part 1 26pp [C&S p111]

William Henry Fox Talbot. Essay Towards a General Solution of numerical Equations of all degrees Having Integer Roots. TRSA 27 1872-6.

Thomson RSE 1876 [mer2 p168] Proc or Trans?

J Aitken. On dust, fogs and clouds. Trans. Roy. Soc. Edin. 30 1880-82 part 1 [C&S p 102]

Piazz Smyth Trans. Roy. Soc. Edin. **32** 1884 415 [C&S p75] minor
Aitken TRSE 12 1884 677 [therm 226,232] av

Dittmar [atomic weight of platinum] Trans. Roy. Soc. Edin. 33 1885-7 [c&s p 79]

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Trans. Roy. Soc. Edin. **35** 1890 955-1027 [fraser – gm1885] pt 2 in vol 36

Trans. Roy. Soc. Edin. **35**, **37** 1890, 1895 pp 1-19, 17-50, 413-426, 621-294 [aitken on dust – weber cat 88 2 vols at \$250]

Geikie [volcanoes] Trans. Roy. Soc. Edin. **35** 1887-90 21 [c&s p89]

Trans. Roy. Soc. Edin. **36** 1892 343-457 [fraser – gm 1885]

Walker[?Crum Brown] [organic chem.] Trans. Roy. Soc. Edin. **36** 1889-91 211 [C&S p80] see also vol 37

Walker[?Crum Brown] [organic chem.] Trans. Roy. Soc. Edin. **37** 1891-5 361 [C&S p80] see also vol 36

JW Dawson. TRSE 1913 v48 pp 697-798 [neurol p. 176]

Trans. Roy. Soc. Edin. **50** 1915 857-895 [D'Arcy Wentworth Thompson – dsb 13]

Trans. Roy. Soc. Edin. **50** (1913-1914) 1916 517-740 [Dawson – gm4718/neurol p 176]

Bruce WS et al. The temperatures, specific gravities and salinities of the Weddell sea.. TRSE **51** 1916-17 p 71-169 [ant p 421]

Fisher, RA The correlation between relatives on the supposition of Mendelian inheritance. Trans. Roy. Soc. Edin. **52** 1918 399-433 [GM248/whitehouse]

Wordie JM Shakleton Antarctic Expedition 1914-1917 pack ice... TRSE **52** 1921a 795-829 [ant p 462]

Wordie JM Shakleton Antarctic Expedition 1914-1917 weddell sea geol... TRSE **53** 1921a 17-27 [ant p 462]

Kidston & Lang Plant fossils Trans. Roy. Soc. Edin. 1921 p 603, 643, 831, 855 [c&sp89] imp

Trans. Roy. Soc. Edin. **53** 1923 301-342 [ashworth – gm5538.1]