APPENDIX 1. NOTES ON 44 FELLOWS OF THE ROYAL SOCIETY KNOWN TO JOHN TOMES AND/OR INSTRUMENTAL IN DENTAL REFORM IN THE NINETEENTH CENTURY

The names are given in order of seniority in the Society. The occupations of those who signed for John Tomes are noted, and the cross-links between them as revealed by the signatures on their Certificates of Candidacy for Election are presented.

Two Fellows are listed who were not involved in the political process but who are identified by Hill as nevertheless important through their concern with teaching in the College of Dentists, Dr Gladstone FRS (35)¹, and Sir John Eric Erichsen FRS (43)²

1. Sir Benjamin Collins Brodie FRS 1810; (1783 - 1862); 1st Baronet

Age at recorded contact with John Tomes. 77 (Tomes 45)

Surgeon.

First President of the General Council of Medical Education and Registration of the United Kingdom. 1858 (established by the Act of Parliament which enabled the LDS Examination):

Signed for; John Tomes, Owen, Kiernan, Partridge, Cartwright, Lawrence, Arnott, Carpenter, Wilson Fergusson, Newport, Green, Brodie II.³

Father of Sir Benjamin Collins Brodie, 2nd Baronet (Brodie II)

2. Sir William Lawrence. Bt. FRS 1813 [1783-1867]

Age at recorded contact with John Tomes. 77 (probable contact through the Royal College of Surgeons was considerably earlier) (Tomes 45)

Member of Court of Examiners of the Royal College of Surgeons 1840-1867. President 1846 and 1855. One of the three Surgeon Examiners for the first panel of examiners for the LDS.⁴

At the 1862 LDS anniversary dinner, with Thomas Bell FRS in the chair, supported by Arnott FRS, Lawrence said; "I can say, however, for the Council of the College of Surgeons, that that we feel a deep interest for the welfare of the dental profession; and are ready to promote its welfare in every way in our power."⁵

Sponsors included; Brodie.

Signed for; Kiernan, Cartwright, Arnott, Brooke.


Age at recorded contact with John Tomes. <69 (probably much earlier) (Tomes <45)

Court of Examiners of the Royal College of Surgeons from 1840. President 1849 and 1858. One of the first three Surgeon Examiners for the first panel of examiners for the LDS.⁶

First Treasurer, 1858-1861, then President of the General Medical Council from 1860 (Year of first LDS examination)-1863.
Sponsors included; B C Brodie;
Signed for; Owen, Kiernan, Partridge, Todd, Mackmurdo, Simon, Booth.

4. Gideon Algernon Mantell. FRS 24th Nov. 1825. [1790-1852]
Age at recorded contact with John Tomes. c.58 (Tomes c.33)
Geologist.
Sponsors included; none in group
Signed for; John Tomes, Booth, Fergusson, Gladstone.

5. Thomas Bell. FRS 10.1.28. FRCS [1792-1880] (no Plarr)
Age at recorded contact with John Tomes. <46 (Tomes <23)
Surgeon-Dentist
Sponsors were; none in group.
Signed for; Todd, Mackmurdo, Jones, Gould, Forbes, Newport, Lubbock, de Morgan, Salter.

6. Herbert Mayo FRS 17. 4. 28. [1796-1852]
Age at recorded contact with John Tomes. c.43 (Tomes 24).
Student under Thomas Bell, Surgeon to the Middlesex Hospital 1827-1842. Offered Tomes lectureship in anatomy and physiology c. 1839.7
Sponsors included; Brodie.
Signed for; none in group.

7. Sir James Robert George Graham Bt. PC. FRS 1831 MP [1792-1861]
Age at recorded contact with John Tomes. 51. (Indirect, via his brother Major George Graham) (Tomes 28)
Sponsors included; (no apparent record at RS)
Signed for; none in group.

8. John Edward Gray. FRS 1832 [1800-1875]
Age at recorded contact with John Tomes. 50 (Tomes 35)
Keeper in Zoology at the British Museum.
Sponsors included; *not available on line, glass neg. In archive.


9. Sir Richard Owen. FRS 1834 [1804-1892]
Age at recorded contact with John Tomes. 33 (Tomes23)
Anatomist, Palaeontologist, Geologist.
Sponsors included; B C Brodie; Joseph Henry Green; John Edw Gray;
Signed for; John Tomes. Todd, Gulliver, Sharpey, Jones, Cartwright, Booth, Newport, Brooke, Watson, Salter, Arnott, Gould, Carpenter, Simon, Forbes, Fergusson, Bate.

10. Francis Kiernan. FRS 1834. [1800-1874]
Age at recorded contact with John Tomes. <39 (Tomes <25)
Surgeon, Anatomist, Physiologist.
Sponsors included; Green; Brodie; Gray; Lawrence;

11. Professor Robert Edmond Grant. FRS 1836 [1793 1874] MD FRCPEd
Age at recorded contact with John Tomes. <56 (Tomes <34)
Physician, Zoologist.
Influenced by Erasmus Darwin FRS, (1761) and in turn a strong influence on Charles Darwin FRS (1839) as well as John Tomes.
Sponsors included; none in group
Signed for; John Tomes (General knowledge); Sharpey Woodward Forbes Brookes.

12. Richard Partridge. FRS 1837. [1805-1873]
Age at recorded contact with John Tomes. 45 (Tomes 35)
Professor of Anatomy at King’s College.
John Simon was his apprentice
His sponsors included; Green
Signed for; John Tomes, Bowman, Carpenter, Simon, Forbes, Newport, Curling, de Morgan, Fergusson.
13. Robert Bentley Todd. FRS 1838 [1809-1860]
Age at recorded contact with John Tomes. 27 (Tomes 21)
Physician, Professor of Physiology and Anatomy, King's College London.
His sponsors included; Green, Owen, Bell.
Signed for; John Tomes.

14. George Gulliver. FRS 7th March 1839 (1804 - 1882)
Age at recorded contact with John Tomes. 46 (Tomes 35)
Physiologist.
Sponsors included; Owen, Kiernan.
Signed for; John Tomes.

15. Professor William Sharpey; 9th May 1839 (1802 - 1880)
Age at recorded contact with John Tomes. 48 (Tomes 35)
Anatomist, Physiologist. (University College, London) (Secretary to the Royal Society 1853-1872)
Sponsors included; Owen, Gray, Grant
Signed for; John Tomes (General Knowledge). Cartwright, Newport, Brooke, Latham, Erichsen, Huxley, CS Tomes.

16. Gilbert Wakefield Mackmurdo. FRS 30 May 1839 (c 1788 - 1869)
Age at recorded contact with John Tomes. 62 (Tomes 35)
Anatomist, Physiologist. (St Thomas’s Hospital)
Sponsors included; Green, Stokes; Bell, Todd.
Signed for; John Tomes (General Knowledge). Cartwright, Arnott, Curling, Brodie II.

17. Thomas Wharton Jones FRS; 30 April 1840 (1808 - 1891)
Age at recorded contact with John Tomes. 42 (Tomes 35)
Surgeon, Anatomist, Physiologist.
Sponsors included; Owen, Bell.
Signed for; John Tomes, Arnott, Carpenter, Curling.

18. Samuel Cartwright. FRS 1840 [1789-1864]
Age at recorded contact with John Tomes. 54 (Tomes 28)
Surgeon-Dentist
Sponsors included; Brodie, Owen, Lawrence, Sharpey, Kiernan, Mackmurdo.
Signed for; none in group.

19. Charles Woodward. FRS 29.4.41 (? 1789 - 1877)
Age at recorded contact with John Tomes. 61 (Tomes 35)
Sponsors included; Grant.
Signed for; John Tomes.

20. Sir William Bowman Ist Baronet. FRS 22.4.41 [1816-1892]
Age at recorded contact with John Tomes. 20 (Tomes 21)
Surgeon, Anatomist, Ophthalmologist.
Sponsors included; Forbes (From General Knowledge). Todd, Partridge, Kiernan, Gray.
Signed for; John Tomes, Carpenter, Simon, Forbes, Newport, de Morgan, Wilson, Salter, Curling, Fergusson, Brodie II, Beresford-Hope, CS Tomes.

Age at recorded contact with John Tomes. 46 (Tomes 21)
Ornithologist.
Sponsors included; Grant (From General Knowledge.) Owen, Gray, Bell.
Signed for; John Tomes, Forbes, Huxley, Salter.

22. James Moncrieff Arnott. FRS 25.5.43 [1794-1885]
Age at recorded contact with John Tomes. 42 (Tomes 21)
Member of Council of the Royal College of Surgeons, 1840. President 1850 and 1859. Member of the Court of Examiners 1847-1865. Professor of Surgery, King's College London (before 1843); Surgeon and Lecturer in Surgery, Middlesex Hospital by 1843.

Sponsors included; Brodie, Lawrence, Owen, Kiernan, Mackmurdo, Jones.

Signed for; Brooke, Latham, Watson, de Morgan, CS Tomes.

23. William Benjamin Carpenter CB FRS 1844 [1813-1885]

Age at recorded contact with John Tomes. c.27 (Tomes c. 25)

Sponsors included; Brodie, Jones, & Partridge (from General Knowledge). Owen, Bowman.

Signed for; Booth, Newport, Latham, Curling, Bate, Fergusson, CS Tomes.


Age at recorded contact with John Tomes. c. 17? (Tomes c.18?) (1833 probable, and by 1840 almost certain.)

Apprenticed in 1833 to Joseph Henry Green, appointed Senior Assistant Surgeon at the founding of King’s College Hospital in 1840 William Bowman being the junior. Demonstrator of Anatomy, King's College, London (1844);

Member of the General Medical Council appointed by H.M. The Queen with the advice of her Privy Council; 1876 – in Council 1879 when first Dental Register published.

Sponsors included; Green, Gray, Partridge, Todd, Owen, Bowman.

Signed for; de Morgan, Salter, Gladstone.

25. Edward Forbes FRS 13.02. 1845 [1815-1854]

Age at recorded contact with John Tomes. c.27 (Tomes c.27)

1843 Professor of Botany at King’s College. Wrote with Huxley *Natural History of the British Mollusca*.

Sponsors included; Grant, Bell, Owen, Bowman, Gould, Partridge, Gray.


Age at recorded contact with John Tomes. 36 probable, 41 certain (Tomes 30/35)

Surgeon, Anatomist, Physiologist.

Lecturer in Anatomy and Physiology at the Middlesex Hospital from 1845.

Sponsors included; Brodie, Todd, Gray, Bowman.
27. Rev. James Booth; 22.1.46 (1806 - 1878)
Age at recorded contact with John Tomes. 44 (Tomes 35)
Clergyman, mathematician. Recognised as the major figure in establishing the English Examination system.
Sponsors included; Mantell, & Owen (from General Knowledge). Green, Carpenter.
Signed for John Tomes (General Knowledge).

28. George Newport. 26.3.46. [1803-1854]
Age at recorded contact with John Tomes. 47 (Tomes 35)
Surgeon, Entomologist.
Sponsors included; Mackmurdo (From General Knowledge). Brodie, Sharpey, Owen, Bell. Carpenter; Gray, Bowman, Partridge, Forbes.
Signed for; John Tomes, Latham. Brodie II (Gen.K.).

29. Sir Henry Wentworth Dyke Acland, Bt.. 21 Jan 1847 (1815-1900)
Age at recorded contact with John Tomes. (64) (Tomes (64))
President of the General Medical Council in 1879 (Year of first published Dentists Register, Tomes first to register)
Sponsors included; Brodie, Owen, Forbes, Gray.
Signed for; none in group.

30. Charles Brooke; 4th March 1847 (1804 - 1879)
Age at recorded contact with John Tomes. 46 (Tomes 35)
Surgeon, Mathematician, Crystallographer.
Sponsors included; Lawrence, Owen, Grant, Sharpey, Arnott.
Signed for; John Tomes (Knowledge of work) Latham, Curling, Watson, Salter, Fergusson, de Morgan, Brodie II, CS Tomes.

31. Robert Gordon Latham; 9.6.48 (1812 - 1888)
Age at recorded contact with John Tomes. 38 (Tomes 35)
Lecturer on Forensic medicine and Materia medica, Middlesex Hospital; Assistant Physician, Middlesex Hospital.

Sponsors included; Amott, Sharpey, Newport, Carpenter, Brooke.

Signed for; John Tomes.

32. Sir William Fergusson Bt. FRS 1848 [1808-1877]
Age at recorded contact with John Tomes. No direct record. 1840 probable. 32 (Tomes 25)
Member of Council of the Royal College of Surgeons 1861-1877, Member of the Court of Examiners 1867-70. President 1870. Professor of Surgery King's College London 1840 -1870.
Surgeon in Ordinary to Prince Albert 1849, Surgeon Extra-ordinary to HM Queen Victoria in 1855, Sergeant Surgeon 1867.9
Sponsors included; Brodie, Partridge, Mantell, Bowman, Owen, Carpenter, Todd, Brooke.
Signed for; John Tomes.

33. (Sir) Benjamin Collins Brodie FRS 1849; (1817 - 1880); 2nd Baronet 1862 (Brodie II)
Age at recorded contact with John Tomes. No direct contact recorded.
Sponsors included; Newport, & Mackmurdo (From General Knowledge). Brodie, Brooke, Gray, Forbes, Bowman.
Signed for; C S Tomes.

34. Sir John Tomes FRS 1850 (6th June) [1815-1896]
Signed for; de Morgan, Salter, Bate, CS Tomes.

35. Dr John Hall Gladstone FRS 1853 [1827-1902]
No recorded contact with John Tomes.
Chemist. Lecturer for the College of Dentists on Bone, Enamel, and Metallurgy in dentistry.
Sponsors included; Simon, Mantell.
Signed for; none in group.

36. Sir John Lubbock, first Baron Avebury FRS 1858 [1834-1913]
Age at recorded contact with John Tomes. <44 (Tomes <63)
Banker entomologist anthropologist botanist.

RS Council: VP 1871-1872, 1878-1879 and 1893-1894

Sponsors included; Bell, Gray, Huxley.

Signed for; CS Tomes.

37. Sir Thomas Watson FRS 1859 [1792-1882]

Age at recorded contact with John Tomes. <48 (Tomes <25)

Physician. Member of Council of Medical Education.

Sponsors included; Arnott, Kiernan, Owen, Brooke, Todd.

Signed for; none in group.

38. Thomas Henry Huxley FRS 5.6.1861 PC [1825-1895]

Age at recorded contact with John Tomes. <58 (Tomes <68)

Co-founder with Lubbock and others of the X Club in 1864.\(^{10}\) Hon. FRCS 1883 with Tomes.\(^{11}\)

RS Council: Sec 1872-1881; PRS 1883-1885; VP 1881-1882, 1885-1886

Sponsors included; Forbes, Sharpey, Gray, Gould.

Signed for; Bate, de Morgan, Beresford Hope.

39. Campbell Greig de Morgan, FRS 6.6.1861 [1811-1876]

Age at recorded contact with John Tomes. 25 (Tomes 21)

Sponsors included; John Tomes, Bowman, Brooke, Arnott, Partridge, Huxley, Forbes, Bell, Curling, Simon.

Signed for; none in Group.

40. Charles Spence Bate, FRS 6.6.1861 [1819-1889]

Age at recorded contact with John Tomes, 38 (Tomes 42) but probably earlier.

Active with Tomes in the Odontological Society. Founder of the Plymouth Dental dispensary.\(^{12}\)

Sponsors included; Carpenter (GK); Gray, Owen, Lubbock, Huxley, John Tomes;

41. Samuel James Augustus Salter FRS 1863 [1825-1897]
Age at recorded contact with John Tomes. 32, but as the successor to Thomas Bell, probably in reality much earlier (Tomes 42)

Surgeon-Dentist Physiologist and anatomist.
Sponsors included; John Tomes, Bell, Owen, Bowman, Simon, Gould, Brooke.

42. Robert Arthur Talbot Gascoyne-Cecil, 3rd Marquess of Salisbury. PC. FRS 1869 [1830-1903]
Age at recorded contact with John Tomes. c. 25 (Tomes c.40)
Sponsors were; No online record.

43. Sir John Eric Erichsen Bt. FRS 1876 [1818-1896]
Age at first recorded contact with John Tomes. No contact recorded.
Successor to Moncrieff Arnott as Surgeon to University College Hospital and the Chair of Surgery in 1850. In 1859 Lecturer in anatomy to the Metropolitan School of Dental Science, Charing Cross Road (later part of University College Hospital and School)\(^{13}\).
Sponsors included; Sharpey, Fergusson, Brooke.

44. Sir Charles Sissmore Tomes FRS 1878 [1846-1928]
Age at recorded contact with John Tomes. Birth. (Tomes 31)
Surgeon-Dentist and Histologist.
Son of John Tomes. Examiner in Dental Surgery at the Royal College of Surgeons 1881-1895. Lecturer on anatomy and physiology at the Dental Hospital, where he was also Surgeon and Consulting Surgeon\(^{14}\). The Crown Appointee to the Dental Board within the General Medical Council, 1898.
Sponsors included; Salter, & Arnott (From General Knowledge).
John Tomes, Sharpey, Brodie II, Carpenter, Brooke, Lubbock, Bowman.

45. Sir Alexander James Beresford Beresford-Hope PC FRS 1880 [1820 – 1887]
Age at recorded contact with John Tomes. <37 (Tomes <42)
MP for Maidstone from 1857 to 1859.\(^{15}\)
Brother-in-law of Robert Gascoyne-Cecil
Sponsors included; (W Spottiswoode Pres RS), Huxley, W Bowman.

A further five Fellows not directly connected with John Tomes signed for five or more in the above group;
John Bostock FRS(nine), William Clift FRS(eight), Sir Astley Cooper FRS(seven), Charles Darwin FRS(six), Sir Charles Wheatstone FRS(five).

NOTES

1 A. Hill, The history of the reform movement in the dental profession in Great Britain during the last twenty years. (London: Trübner & Co., 1877) p. 81
2 Op. Cit. (note 1) p. 179
3 This, and all subsequent similar Royal Society data, acquired from; http://www2.royalsociety.org/DServe/dserve.exe?dsqApp=Archive&dsqDb=Persons&dsqCmd=Search.tcl Accessed January 2010
5 Op.cit. (note 1) p. 191
14 Tomes, Sir Charles Sissmore (1846-1928), http://livesonline.rcseng.ac.uk/biogs/E000460b.htm Accessed January 2010