

(MS.775/1-371 were formerly in boxes numbered I - XXIII) 2.

MS.775/1-371. A collection of A.De M.'s papers, with some letters, c.1822-68. Details as follows:

MS.775/1-324.

[Formerly in Boxes
I - XVII, XIX,
and XX]

Texts and drafts of the 'mathematical tracts which [De M.] prepared for the use of his students' [see article on De M. in the Encyclopædia Britannica (11th ed., 1910-11)] at University College London, c.1843-66. Notebooks numbered 1-175 (wanting 101), and 186, with nineteen books not numbered. The numbers, titles, and often the dates, were written on the covers by De M. The titles read, e.g. '94/1 Examples of the Singular Solutions of Differential Equations of the first Order Feby 7 [18]51. Higher Senior', and '94/2 (Higher Senior) Singular Solutions (Examples) Feby 20 1855'. A few of the unnumbered notebooks may contain drafts of parts of De M.'s published work on mathematics. Each book contains about 20 leaves; some have printed material, and loose sheets of notes, inserted. The contents of a few books are missing. Most of the books are bound in marbled wrappers.

MS.775/325.

'Method of Quadratures &c. MS.' The title-page reads 'The method of quadratures, as given in tract [blank], depends upon the calculus of operations. The following process...will show how completely the calculus of operations masks and abbreviates processes of common algebra'. [Probably one of the tracts for the use of his students.] n.d. About 70 leaves, in a spring-backed binder. [Formerly in Box XY]

MS.775/326.

Essay on logic, probably a draft for one of the tracts. Notebook. n.d. 20 leaves. [Formerly in Box XXIII]

MS.775/327/1-4. A folder containing:

[Formerly in Box XXII]

1. Answer to a problem of algebra, noted by De M. 'Received from R.L.Ellis April 4 1846'. 3 leaves.
2. Six leaves containing notes on Malmsten, possibly sent with /370/9/2.
3. First two leaves only of letter to De M. n.d.
4. Loose sheets of notes; short essays on various mathematical subjects; copies of passages from MSS. and printed books on mathematics, some in Latin. Not all are in De M.'s hand. n.d.

MS.775/328/1-2.

[Formerly in
Box XXII]

1. [On the method of examining students.] Signed: A.De Morgan, 21 June 1850. 4 leaves.
2. Notebook. First three leaves contain a memorandum on the examination of students, and refer to observations drawn up six years previously. n.d. [c.1856?]

MS.775/329.

'Fortification.' Oblong notebook containing drawings of sections of fortifications, probably by A.De M. whose name is written on the first page. Wmk.[18]21. 36 leaves. [Formerly in Box XX]

MS.775/330.

'Augustus De Morgan 1822 Redland' [nr. Bristol]. Notebook containing mathematical notes. On f.1 is noted, in a later hand, 'A Schoolbook of mine A.De M.'. 1822. 20 leaves. [Formerly in Box XY]

MS.775/331.

'Newton'. Notebook, with notes on mathematical subjects. Wmk.1822. 15 leaves. [Formerly in Box XXI]

- MS.775/332-45. 14 notebooks, lettered D-E, I, K-P, S-V, X, titled, a few dated, by A.De M. Containing mostly mathematical notes, problems, etc., some concerning Newton's Principia. Dates given are 1824 and 1825 (watermarks: 1818; 1821-4). Most of the books in marbled wrappers, containing 20 leaves. Some of the books contain the ticket of 'Parsons & Browne Booksellers & Stationers, Bristol'. [Formerly Box XVIII]
- MS.775/346. 'Extracts [in English] from Lagranges Theorie des Fonctions and Leçons sur le Calcul des Fonctions'. Notebook, lettered 'Z' on the back cover. n.d. 33 leaves. [Formerly in Box XX]
- MS.775/347. 'Geometry L'. Notebook, with a few pages of notes. n.d. Wmk.1828. [Formerly in Box XVIII]
- MS.775/348. Two loose covers, containing loose sheets of mathematical notes and drafts of essays. Both covers lettered 'Equations', one also lettered 'Various old matters right and wrong'. n.d. [Formerly in Box XX]
- MS.775/349-50. Drafts of papers, as below. Cf. De M.'s paper 'On divergent series' etc. in Transactions of the Cambridge Philosophical Society, vol.VIII (1844), pp.182-203.
- /349. 'Difficulties of Analysis'. Paper showing 'how the actual use of divergent series may be dispensed with, in several important cases'. Notebook. n.d. [after 1844.] 20 leaves. [Formerly in Box XXII]
- /350. Two untitled papers on subjects connected with divergent series and 'the principle of mean values'. [Unpublished?] A note on the front cover reads 'Put together in this book' 20 Feb. 1851. 32 leaves. [Betw. 1844 and 1851.] [Formerly in Box XXII]
- MS.775/351/1-2. 1. 'Surfaces, Development of.' Draft of an essay, With loose sheets of calculations inserted. Notebook. n.d. 20 leaves.
 [Formerly in Box XX] {
 2. 'On superpossible Surfaces' 23 May 1854. 15 leaves, gummed together as a separate pamphlet.
- MS.775/352/1-4. 'Cauchy'. Four notebooks:
 [Formerly in Box XX] 1-2. An essay on the differential and integral calculus, based on Cauchy's method. Cauchy's Resumé des leçons sur le calcul infinitesimal (1823) is cited. 2 notebooks. n.d. [Unpublished?]
 3. Possibly a demonstration of the method. 1 notebook.
 4. Another draft of the first part of the essay. 1 notebook.
- MS.775/353. 'Old Preface', possibly a discarded preface to [Formerly in Box XXII] Formal Logic (1847). [c.1847?] 14 leaves.
- MS.775/354. [A letter to Augustus De Morgan...from Sir William Hamilton, Bart. (London and Edinburgh, 1847).] pp. 13-29, containing the correspondence between De M., Hamilton and others, and the appendix (6 pp.) from the above pamphlet. The pages are wafered to blank leaves stapled in a paper wrapper, and contain some notes and insertions (e.g. of names left blank in the printed version) by De M. c.1847. 8 leaves.
 [Formerly in Box XXII]

- MS.775/355. [Formerly in Box XXII] [Formal logic.] Notebook containing 35 numbered entries, addenda to Formal logic (1847). The numbers correspond to marginal nos. in De M.'s annotated copy of Formal logic (MS.776/1). With further notes, newspaper cuttings, and loose sheets of tables inserted. c.1850-2. About 200 leaves (150 blank).
- MS.775/356. 'Logic — Unpublished Remnants' 31 July 1850. At the other end of the notebook is an essay 'On the genuineness of a passage in Aristotle' [unpublished?]. n.d. (8 leaves.) See also /357. [Formerly in Box XXIII]
- MS.775/357. 'On the genuineness of a passage in Aristotle'. Draft of parts of an essay. n.d. 10 leaves. See also /356. [Formerly in Box XXII]
- MS.775/358. '[J.H.] Lambert on Numerical Quantification (translated from the New Organon)' [Neues Organon, 1764]. A note on the last leaf reads 'Translated by Wm Davis for me [A.De M.] in the summer of 1850 — immediately after the appearance of Bayne's book on Hamilton's method'. Loose leaves in paper wrapper. [1850.] 13 leaves. [Formerly in Box XXII]
- MS.775/359. 'Extracts from [George] Bentham's [Outlines of a new system of] Logic [1827] bearing upon the discussion raised by various parties in the Athenaeum'. Draft and fair copy. Loose leaves in a paper wrapper. Wmk.1850. 27 leaves. [Formerly in Box XXIII]
- MS.775/360. Notes for a paper on the syllogism. Mar., Nov.-Dec., 1849. 1 notebook. [Formerly in Box XXIII]
- MS.775/361-2. Drafts of 'On the Syllogism', nos.II and III. The printed texts were reprinted in On the Syllogism, etc. by A.De M., edited by Peter Heath (1966). pp. 22-68, 74-146. [Formerly in Box XXIV]
- /361 ['On the symbols of logic, the theory of the syllogism', etc.] Draft (55 leaves) of the paper printed in Transactions of the Cambridge Philosophical Society, vol.IX (1851), pp.79-127. See MS.238 for a revised draft, with unpublished additions.
- /362 'On the structure of the Syllogism, no.III...[in a different ink] Written in 1853. Supplied [?] by my third paper as printed (1858) — but much here not exhausted Aug. 13 [18]58'. Draft. 58 leaves. 'On the Syllogism, no.III' was printed in Transactions of the Cambridge Philosophical Society, vol.X (1858), pp.173-230. The draft and the text as printed differ widely.
- MS.775/363/1-6. 'Elementary Logic'. Notebooks numbered 1-6, containing an essay on logic. [Betw. 1854 and 1860?] [Formerly in Box XXV]
- MS.775/364. Notes on logic, and diagrams, Mar., Dec. 1849, and Dec. 1861[?]. 1 notebook. [Formerly in Box XXVI]
- MS.775/365a. Loose sheets with tables of logical symbols, c.1848-50. [Formerly in Box XXVII]
- MS.775/365b/1-2. Offprints from the Proceedings of the Cambridge Philosophical Society, vol.VII, pp.85-102, and vol.IX, pp.115-26. (1849-53) [Formerly in Box XXVIII]

MS.775/366.

'The Gorilla War'. Notebook containing pasted-in cuttings, with some proof sheets, from The Athenaeum, and notes, with one article, in manuscript, c.1860-64. The cuttings contain the correspondence between A.De M. and H.L.Mansel, C.M.Ingleby, and T.S.Baynes, about various points in the logic of Sir William Hamilton. The notebook also contained letters, now separately guarded and filed, listed below as MS.775/370. c.1860-64. 21 leaves. [Formerly in box XXII]

MS.775/367.

[Formerly in
box XXI]

'Dispute on the Invention of Fluxions'. Notebook containing: manuscript copies of some of A.de M.'s papers on Newton and fluxions; offprints and extracts, often annotated, of De M.'s and others' articles from a number of periodicals, on the same subject; notes on sources, etc. [The longer essays, of which there are off-prints in this notebook, were reprinted in book form (but not from these copies) as Essays on the life and work of Newton by A.De M., edited by F.E. B.Jourdain (Chicago and London, 1914). The notebook also contained letters, now separately guarded and filed, listed below as MS.775/370. 1832-56. Notebook of 21 leaves, numerous leaves inserted.

MS.775/368.

[Formerly in
box XVII]

'Book of Almanacs and letters connected with it.' Folder containing: several imperfect copies, with the leaves printed on one side only, of the introduction to The Book of Almanacs by A.De M. (1851, 2nd ed. 1871); galley proofs, corrected in manuscript, for part of the introduction; designs for the stamp on the front cover of the almanac; letters, now separately guarded and filed, listed below as MS.775/370. [c.1850]

MS.775/369.

'Arithmetical Books VI 127-[137] Oct.15/[18]50 commenced'. Addenda to De M.'s Arithmetical Books (1847). A note inserted before the title-page of De M.'s interleaved copy (MS.776/3) of this work reads 'The inserted numbers...are references to the insertions preparing for the second edition. These insertions are to be looked for 1. In the additions at the end of this book. 2. In Manuscript copy books labelled...I, II, &c'. Notebook VI also contained letters, now separately guarded and filed, listed below as MS.775/370. [See also MS.239, which probably contains the 'copy books' II(?) to V, which appear to have been rebound after their acquisition by the Library, possibly with the loss of their covers. The numbered entries run from 31 to 126. Numbers 1-30 (copy book I?) are missing.]
[Formerly in box XX]

MS.775/370/1-34. Letters to De M., with copies of a few letters from him, removed from MSS. listed above. The numbers in round brackets at the end of each entry denote the MSS. from which the letters were taken. The subjects of the letters correspond roughly to the subject of the MSS.: /366 - logic; /367 - Newton; /368 - Almanacs.

1. BAGSHAWE (Henry Ridgard), F[itzroy] Square, 11 Nov. 1850. (/368)
2. BAIN (Alexander), University of Aberdeen, 1 May 1869. (/366, f.11)
3. BARCLAY (George), G.Barclay's Printing-Office, 28 Castle St., Leicester Square, [1850?] (/368)

- MS. 775/370/ 4/1-5. BAYNES (Thomas Spencer).
 1-34 (cont.)
1. Castle Hotel, Lynton, Devon, 20 Oct. 1862. (/366, f.18)
 2. Burlington House, 30 Oct. 1862. (/366, f.18)
 3. 16 Wilton Place, Regent's Park, 15 June 1863. (/366, f.20v)
 4. 19 Queen St., St. Andrew's, 27 Apr. 1865. (/366, f.21)
 5. St. Andrew's, 10 Jan. 1868. (/356)
- 5/1-4. BOOLE (George).
1. 19 Northumberland St., Strand, 8 Jan. 1847. (/350)
 2. Blackrock [Co. Cork], 7 Jan. 1862 [misdated 1861]. (/366, f.16)
 3. Blackrock, 4 Nov. 1862. (/366, f.18)
 4. Blackrock, 6 Nov. 1862. (/366, f.18)
6. BRADE (William), 1 Douglas Place, Queen's Rd., Bayswater, W., 16 July 1861. To the Editor of The Athenæum. (/366, f.11)
7. BROUGHAM (Henry Peter), 1st Baron Brougham and Vaux, Brougham, 20 Oct. [?] 1856. Signed: H.B. (/367)
8. BROWN (James), n.a. [9 or 10 July 1862 — added in De M.'s hand.] (/366, f.17v)
- 9/1-2. DAVIS (W.F.)
1. St. Mary's College, 17 Sept. 184[?]7.
 2. n.a. n.d.
- 10/1-4. DE MORGAN (Augustus).
1. Copy. n.a., n.d. To Sir W.R. [not identified].
 2. Copy. 7 Camden St. & Town, 4 Dec. 1853. To [—]. (Both the above removed from /86.)
 3. Copy. University College, 11 Nov. 1861. To C.M. Ingleby. (/366, f.12)
 4. Copy. 91 Adelaide Rd., N.W., 17 Oct. 1864. To T.S. Baynes. (/366, f.21)
11. EKINS [?] (Jeffery), Sampford, 17 May 1854. (/367)
12. ELLIS (Robert Leslie), Anstey Hall, [Trumpington,] Monday 18 [-1856?]. (/367) See also /327.
- 13/1-5. FRASER (Alexander Campbell).
1. Church Hill, Edinburgh, 25 Apr. 1855. (/367, f.21)
 2. 12 Rutland St., Edinburgh, 8 May 1862. (/366, f.16v)
 3. Edinburgh, 24 Oct. 1862. (/366, f.18)
 4. 12 Rutland St., Edinburgh, 13 Dec. 1864. (366, f.1)
 5. 20 Chester St., Edinburgh, 11 May 1869. (/366, f.11)
14. HAMILTON (George), 29 Stanhope St., Camden Town, 14 Oct. [no year]. (/369, f.9)
15. HERSCHEL (Sir John Frederick William), n.a., n.d., [1853?]. (/367, f.16v)
16. HOPKINS (William), Cambridge, 19 Dec. 1850. (/368)
- 17/1-5. INGLEBY (Clement Mansfield).
1. Valentines, Ilford, Essex, 9 Nov. 1861. (/366, f.12)
 2. Valentines, Ilford, Essex, 6 Jan. 1862. (/366, f.16)
 3. Valentines, Ilford, Essex, 11 Jan. 1862. To the Editor of The Athenæum. (/366, f.14v)
 4. Valentines, Ilford, Essex, 21 Jan. 1862. (/366, f.16)
 5. Ashmead, Edgbaston, Birmingham, 4 Oct. 1863. (366, f.16)

[Inserted in /366, f.15 are two corrected proofs of a letter of 6 Jan. 1862 to the Editor of The Athenæum.]

- MS.775/370/
1-34 (cont.)
- 18/1-2. JOHNSON (Manuel John).
 - 1. Oxford, 12 Dec. 1850. (/368)
 - 2. [Oxford, Dec.? 1850?] (/368)
 - 19. KNIGHT (Charles), New Finchley Rd., 21 Dec. 1850. (/368)
 - 20/1-2. MACAULAY (Thomas Babington).
 - 1. Albany, 30 June 1853. (/367)
 - 2. Holly Lodge, Kensington, 13 Aug. 1856. (/367)
 - 21. MAITLAND (Samuel Roffey), Gloucester, 27 Sept. 1853. (/367)
 - 22. MANNERS (Russell Henry), 8 Henrietta St., Cavendish Square, 23 Dec. [1850]. (/368)
 - 23/1-2. MANSEL (Henry Longueville).
 - 1. Oxford, 16 July 1861. (/366, f.11)
 - 2. Oxford, 12 Feb. 1862. (/366, f.17)
 - 24. MONRO (C.J.), Hadley, [Barnet, Herts.,] 30 Oct. 1867. (/356)
 - 25/1-2. NEIL (Samuel).
 - 1. Academy House, Moffat, 1 June 1865. (/366, f.18)
 - 2. Academy House, Moffat, 12 June 1865. (/366, f.21)
 - 26. NORTON (Henry), 6 Dowry Square, Clifton, Glos., 1 Nov. 1850. (/368)
 - 27. 'ORTHODOX', n.a., n.d. (/355, f.6)
 - 28. PEACOCK (George), Deanery, Ely, 8 Sept. 1856. (/367)
 - 29. SMITH (J.S.), 38 Lower Belgrave Place, Fimlico, 9 Apr. 1857. (/367, f.15)
 - 30. SUTTON (Thomas), 91 Oxford St., Manchester, 23 Jan. 1868. (/369)
 - 31. THOMS (William John), 25 Holy Well St., Millbank, Friday [— 1856]. (/367)
 - 32. THOMSON (William Thomas), Standard Life Assurance Company's Office, 3 George St., Edinburgh, 23 Nov. 1853. (/369, f.13)
 - 33. WELD (Charles Richard), Royal Society, Somerset House, 20 Jan. 1851, with notes added in De M.'s hand. (/367, f.1)
 - 34/1-2. WHEWELL (William).
 - 1. Trinity Lodge, Cambridge, 4 Sept. 1856. (/367)
 - 2. Cliff Cottage, Lowestoft, 30 Dec. 1861. (/366, f.13)

MS.775/371/1-5. HARTOG (Numa Edward). Four notebooks and some loose papers.

Formerly in
Box XX1

- 1-4. The notebooks contain mathematical notes made at Cambridge, 1865-8. The notes are compiled from: lectures attended (Routh and Leeke are the lecturers named); books read; Hartog's own work. The pages are numbered, and many entries dated by Hartog.
 - 1. 16 Oct. 1865 - 23 Apr. 1866.
 - 2. 18 Oct. 1866 - 19 Nov. 1867.
 - 3. 11 July - 19 Aug. 1867.
 - 4. 2 May - Dec. 1868.

At the end of the volume are a few pages of notes relating to some Acts of Parliament concerning the position of the Jews in England.

- 5. Loose sheets of notes, some of which contain answers to a set of questions. 30 leaves.

Hartog studied under De Morgan at University College London, taking degrees in 1864. The notebooks appear to have been acquired by the Library with De M.'s papers.

MS.776/1-3.

DE MORGAN (Augustus). Annotated, interleaved copies of some of De Morgan's works, details as follows:

MS.776/1. Formal Logic (1847). De Morgan's annotated, partially interleaved copy, in two volumes. The notes, many of which are concerned with the controversy between De M. and Sir William Hamilton, were made in preparation for a second edition. This copy was the presentation copy sent to Sir William Hamilton, and returned by him after a few days — see the note by De M. on Hamilton's letter, inserted before the title-page. The volumes contain inserted newspaper cuttings, some offprints, manuscript tables, and two pamphlets:

- (a) Three letters on Sir William Hamilton's pamphlet 'Be not schismatics...' etc [1843?], by William Cunningham. Inserted at p.273.
- (b) A letter to Augustus De Morgan...from Sir William Hamilton (1847), bound at the end of the second volume.

The volumes also contain letters from those listed below (the references are to printed page numbers):

AIRY (Sir George Biddell), n.a., 7 July 1850.
Signed: G.B.A. p.51.

BENTHAM (George), 25 Wilton Place, S.W., 18 Nov. 1867. To the Editor of The Athenaeum. p.296.

BROWN (James), n.a., 27 Apr. 1852. p.147.

DE MORGAN (Augustus).

(a) Draft. University College, 23 May 1847. To Sir William Hamilton. Headed 'Cancelled — a milder letter published'. p.304. [A cutting containing the published letter, 24 May 1847, is also inserted, p.304.]

(b) Draft. 7 Camden St. and Town, 1 June 1847. To W.Shaen. Written on blank spaces of Shaen's letter to Hamilton, 29 May 1847. p.314.

(c) Draft. n.a., [late 1847, early 1848]. To Joseph Sortain. p.352.

(d) Copy. 7 Camden St., Camden Town, 13 Jan. 1853. Noted 'Written to [-] Thomson but not sent'.

'FORMER STUDENT', n.a., 1 Dec. 1849, signed 'A former student of this College' — perhaps University College London. p.188.

GRAY (Peter), Baker St., 15 Nov. 1855. p.190.

HAMILTON (Sir William), Bart., Edinburgh, 29 Nov. 1847. L.S. with address portion of envelope. Inserted before title-page.

HAMILTON (Sir William Rowan), Observatory, Dublin, 14 Feb. 1856. p.88.

HELLEY (Robert), note, 9 June 1846, with Helley's name at the head of the page. p.186.

HERSCHEL (Sir John F.W.), Collingwood, 31 Aug. 1849. p.194.

LATHAM (Robert Gordon), 29 U[?]S, 31 Mar. 1856. p.129.

LOGAN (H.F.C.)

(a) St.Mary's College, 12 Sept. 1847. To De M., 7 Camden St., Camden Town. p.334.

(b) St.Cuthbert's College, Ushaw, nr. Durham, 24 Apr. 1865. p.336.

MACAULAY (Thomas Babington), Albany, 27 Nov. 1847. p.216.

MS.776/1-3.
(cont.)

PHILIPPS (John Henry Alexander), United University Club, Pall Mall East, 23 July [betw. 1859 and 1870]. p.184.

SHAEN (William), 137 Cheapside, London, 29 May 1847. Copy (sent to De M.) of letter to Sir William Hamilton, 16 Great King St., Edinburgh. p.314.

SMYTH (William Henry), St. John's Lodge, nr. Aylesbury, 12 Aug. 1851. p.36.

WHEWELL (William), London, 12 July 1849. To A. De M., 7 Camden St., Camden Town. p.352. [c.1847-65, and later?] About 450 leaves. Transferred from the General Library, 1970. Former shelf-mark: [De M.] G3 [De Morgan], Secondary Strong Room.

MS.776/2. Syllabus of a proposed system of logic (1860). De Morgan's annotated interleaved copy. Some notes are dated, 1860-66, many in 1861. [c.1860-66, and later?] About 140 leaves. Transferred from the General Library, 1970. Former shelf-mark: [De M.] G3 [De Morgan], Secondary Strong Room.

MS.776/3. Arithmetical books from the invention of printing to the present time, etc. (1847). De Morgan's annotated, interleaved copy, made in preparation for a second edition. Further additions are to be found in MS.239, and MS.775/369. The book also contains newspaper cuttings, inserted leaves of notes, and letters from the following:

BROUN (James), Greenock, 12 July 1865. Proof sheets of letter to the Editor of the Greenock Advertiser. The address 'To the Editor', etc. is crossed out. pp.353-6.

JONES (Thomas), National School, Llangollen, 17 Nov. 1855. pp.[1c]-2.

PEACOCK (George).

(a) Deanery, Ely, 2 Apr. 1847. pp.19-22.

(b) Deanery, Ely, 7 Feb.[?] 1857. pp.[349-52].

ROBSON (John), Warrington, 29 Sept. [betw. 1855 and 1870, possibly 1855]. pp.199-202.

TURNBULL (William B.D.D.), 3 Stone Buildings, Lincoln's Inn, 21 June 1859. pp.347-8.

[c.1847-64, and later?] 362 pages. Transferred from the General Library, 1970. Former shelf-mark: [De M.] O16.511 [De Morgan], Secondary Strong Room.

Addendum to
AUGUSTUS DE MORGAN
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12th November 1981
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