

**Collections from the
ROYAL SOCIETY**

Letters and Papers of Robert Boyle

**A Guide to the Manuscripts
and Microfilm**



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**Collections from the
THE ROYAL SOCIETY**

**Letters and Papers of
Robert Boyle:
A Guide to the Manuscripts and Microfilm**

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Birkbeck College, University of London
June 1991

Michael Hunter

INTRODUCTION

Robert Boyle and His Writings

The Boyle Letters and Papers comprise a collection of seven volumes of correspondence, forty-six volumes of miscellaneous papers, and eighteen volumes of notebooks and other manuscripts. Housed at the Royal Society in London since 1769, this represents the principal archival resource for the study of one of the seminal figures of the Scientific Revolution, Robert Boyle (1627–91). In the formative years which witnessed the founding of the Royal Society and an unprecedented flowering of scientific activity in England, Boyle did more than anyone to define the character of English science—both as a prolific author, who published over forty works in the course of his lifetime, and as a widely respected and influential personality in his own right. Boyle was the prime advocate of the blend of systematic inductivism and a commitment to a mechanical view of the workings of the world which is rightly seen as characterising the early Royal Society. He was also a major apologist for the new science, both its usefulness and its religious role. Arguably, Boyle was the dominant figure in English science in the generation before Newton; it is not surprising that he and his work have both been held in high regard ever since.

Boyle was born on 25 January 1627 at Lismore, Munster, son of the notorious Richard Boyle, first Earl of Cork. His father had made a fortune as an adventurer in Ireland, rising to the position of Lord Treasurer of Ireland and an English Privy Councillor.¹ As a result, he bequeathed his children high status and considerable wealth, both of which were to form leading features of the life of his youngest son, Robert. Robert's education began at home and continued first at Eton and then in foreign travel. During the formative years that he spent abroad, from 1639 onwards, Boyle visited France, Geneva—where he suffered a conversion experience which affected him for the rest of his life—and Italy, where he encountered the writings of Galileo. During Boyle's travels, Civil War broke out in England, temporarily affecting the family fortunes; but, after returning to England in 1644, in 1645 Boyle was able to take up residence at the family manor house at Stalbridge, Dorset, where he spent much of the next decade, apart from a visit to Ireland in 1652–3. Late in 1655 or early in 1656 he moved to Oxford, joining the circle of natural philosophers there which formed the liveliest centre of English science at that time. After the Restoration of the Stuarts in 1660, many of these men moved away from Oxford, in many cases to London, where the Royal Society was founded in that year. But Boyle moved to London only in 1668, thereafter sharing a house in Pall Mall with his sister, Katherine, Lady Ranelagh, until both of them died within a few weeks of one another in 1691.

¹See Nicholas Canny, *The Upstart Earl: a Study of the Social and Mental World of Richard Boyle, First Earl of Cork, 1566–1643* (Cambridge, 1982).

Boyle's career as an author began in the 1640s, when he compiled a number of treatises on religious and moral issues, some of which have recently been published for the first time by John Harwood.² In the later 1640s, he became increasingly preoccupied by the themes that were to occupy him throughout his adult life—the vindication of an improved understanding of nature, both in its own right and for its utilitarian advantages; the insistence on the importance of experiment in pursuing this aim; and, combined with this, the advocacy of active spirituality. In pursuit of these ends, he became increasingly involved with others sharing similar concerns, first in the informal group known as the “Invisible College,” the true nature of which has been made clear by Charles Webster,³ and subsequently through the circle of intellectuals surrounding the Prussian emigré, Samuel Hartlib. Similar links with like-minded intellectuals continued both at Oxford in the 1650s and 1660s and in London in the 1670s and 1680s; in both places he was also active in the direction of missionary and charitable work, including the publication of the Bible in languages such as Lithuanian and Irish. But his predominant activity was writing and experimenting: throughout his adult career, books continued to come out at a rate of almost one a year, while the profuse experiments in which he engaged are evidenced not least by records surviving among the Boyle Papers. More than almost any of his scientific contemporaries—and assisted by his private means—Boyle followed a career resembling that of a modern research scientist, devoting his life to extensive and systematic experimentation.

Boyle's first publication was a contribution to a collaborative volume put out by Hartlib in 1655, advocating the free circulation of scientific data.⁴ Though in the 1650s he clearly wrote assiduously on a range of topics on which books by him were to appear at a later date, by the time of the Stuart Restoration Boyle had produced only one book. This was a devotional work usually known as *Seraphic Love*, published in 1659, which was to prove his most successful publication, going into nine editions during his lifetime and six thereafter. From 1660 onwards, however, Boyle embarked on a profuse publishing career which was to continue for the rest of his life, though he never lost a certain diffidence in presenting his writings to the public. Among the works that he now put into print were two further religious treatises, *Some Considerations touching the Style of the Scriptures* of 1661 and *Occasional Reflections* of 1665. But more important were the major scientific works that he produced at this time. First, there was his classic work on pneumatics, *New Experiments Physico-Mechanical, Touching the Spring of the Air and its Effects*. Both in this work and in his subsequent defence of it against Thomas Hobbes and other critics, Boyle used a key piece of scientific equipment, the air-pump, to explore the physical properties of the air, vindicating the possibility of a vacuum, illustrating the extent to which life depended on air, and proving that the volume of air varies inversely with its pressure (Boyle's Law). He was to publish other works on related topics throughout the remainder of his career, including his *Hydrostatical Paradoxes* of 1666 and his *General History of the Air*, posthumously published in 1692.

²Harwood, *Essays and Ethics*. For this and other abbreviations used in these notes, see Abbreviations, p. xlviii. On the posthumous publication of another of these early works, Boyle's *Free Discourse against Customary Swearing*, see p. xi.

³Charles Webster, “New Light on the Invisible College: the Social Relations of English Science in the mid Seventeenth Century,” *Transactions of the Royal Historical Society*, 5th series 24 (1974), 19–42. See also his *The Great Instauration: Science, Medicine and Reform 1626–60* (London, 1975).

⁴M. E. Rowbottom, “The Earliest Published Writing of Robert Boyle”, *Ann. Sci.*, 6 (1950), 376–89.

1661 saw two other important publications, his famous *Sceptical Chymist* and his equally seminal *Certain Physiological Essays*; again, these represented the beginning of a series of publications on related topics continuing over several decades, in which he sought to vindicate a mechanistic theory of matter and to remodel chemistry along new lines, distinct from those adopted hitherto by “Vulgar Spagirists” and others. In these treatises, he also crucially vindicated an experimental approach, particularly in *Certain Physiological Essays*, which contained an important essay asserting the need to record unsuccessful experiments. In 1663 came the first part of *Some Considerations touching the Usefulness of Experimental Natural Philosophy*, the second instalment following in 1671, while the mid-1660s saw the appearance of various lengthy books setting out Boyle’s experimental findings and using them to undermine the presuppositions of Aristotelian science. This motive was particularly overt in his *Origin of Forms and Qualities* of 1666, but it also underlay his experimental histories of colours (1663) and cold (1665): again, everything was reduced to matter and motion, in contrast to the complicated theories of the Aristotelians, and this was a further project which was to continue over subsequent years, perhaps most notably in his *Experiments, Notes, &c., about the Mechanical Origin or Production of Divers Particular Qualities* of 1675.

In the 1670s, Boyle continued to publish works on a range of topics, including treatises developing the themes of his experimental work in the 1660s and others of a more speculative nature.⁵ He also pursued his earlier tradition of theological publication, his works of the 1660s being followed by *The Excellency of Theology, Compar’d with Natural Philosophy* of 1674 and *Some Considerations about the Reconcilableness of Reason and Religion* of 1675.⁶ In the 1680s, his publishing interests shifted particularly to medical matters: he brought out various books on such topics, ranging from *Memoirs for the Natural History of Human Blood* (1684) to *Medicina Hydrostatica* (1690) and the collections of recipes that he presented to the public in his *Medicinal Experiments* (1688–94). He also produced more miscellaneous works in these later years, including a Baconian natural history, *Experimenta et Observationes Physicae* (1691). At the same time, his activity as a religious apologist continued, with perhaps the most famous of all his works of this kind, *The Christian Virtuoso*, appearing in 1690. His concern about the theological implications of the new philosophy is also in evidence in his *Discourse of Things above Reason* (1681) and his *Disquisition about the Final Causes of Things* (1688), while his important *Free Enquiry into the Vulgarly Receiv’d Notion of Nature*, which testifies to comparable preoccupations, appeared in 1686. It was appropriate that at his death in 1691 Boyle endowed a Lecturership to expound the Christian message against its infidel opponents, for a number of the Boyle Lecturers were to promote the “physico-theology” which he had pioneered in his own writings.

⁵For a full listing of these and other works by Boyle, including the various editions, see J. F. Fulton’s *A Bibliography of the Honourable Robert Boyle* (2nd ed., Oxford, 1961). A revised edition of this work is currently in preparation by Roger Gaskell.

⁶For proof (from the Boyle Papers) that this work is in fact by Boyle—contrary to the view of Fulton—see M. A. Stewart, “The Authenticity of Robert Boyle’s Anonymous Writings on Reason,” *Bodleian Library Quarterly*, 10 (1978–82), 280–9.

Boyle's crucial significance for a range of facets of natural philosophy was recognised in his lifetime. It is symptomatic that—as recent studies have underlined⁷—his influence was particularly important for Isaac Newton, the leading figure in the generation following Boyle's, whose work is often seen as the culmination of the scientific achievement of seventeenth-century England. By the eighteenth century, Boyle's importance was taken for granted, and he was repeatedly referred to as a paragon of Baconian, experimental science. As the writer, Peter Shaw, put it in an epitomised version of Boyle's works that he produced: "Mr Boyle appears to have been, in all respects, one of the most profitable authors, who ever treated philosophy... 'Tis certain, that he laid the foundation of almost all the improvements which have been made since his time, in natural philosophy."⁸ It is not surprising that in the years following Boyle's death epitomes of his writings were produced by Richard Boulton as well as by Shaw, while demand for his works was such that a collected edition of them, produced by Thomas Birch in 1744, was reprinted in 1772.

Boyle's significance has been reflected by scholarly interest in the twentieth century. Boyle received an appropriate degree of treatment in such pioneering works as E. A. Burt's *Metaphysical Foundations of Modern Physical Science* (1924).⁹ Attention to him intensified, however, with the burgeoning interest in history of science characteristic of the postwar years, which also stimulated a reprint of Birch's edition of his writings in 1965 with a lucid introduction by Douglas McKie. The importance of Boyle's early pneumatic work was recognised by the inclusion of key passages from his book, *The Spring of the Air*, as the first of the Harvard Case Histories in Experimental Science, edited by J. B. Conant in 1950. As for his vindication of what he christened "corpuscularianism," Boyle forms the centrepiece of Marie Boas's book-length study, "The Establishment of the Mechanical Philosophy," published in *Osiris* in 1952, in which Boyle's matter theory was fully expounded against the background of earlier atomist ideas. Subsequently, Boas went on to write a book on *Boyle and Seventeenth Century Chemistry*, published in 1958, in which an attempt was made to define Boyle's position in the transitional phase in the development of chemistry preceding the great age of Lavoisier. Boas (née Hall) is also responsible for various ancillary studies, including a collection of Boyle's writings under the title, *Robert Boyle on Natural Philosophy*, which came out in 1965. Another influential early study of Boyle's science was Thomas S. Kuhn's "Robert Boyle and Structural Chemistry in the Seventeenth Century" (*Isis*, 1952), in which the legacy of Boyle's corpuscularianism was seen as a mixed one.¹⁰

Boyle has also attracted much scholarly attention for his concern about the mutual relationship between science and religion. M. S. Fisher's *Robert Boyle, Devout Naturalist* appeared as early as 1945, and further studies of Boyle's role from this point of view were made by Harold Fisch in "The Scientist as Priest: a Note on Robert Boyle's Natural Philosophy" (*Isis*, 1953); by R. M. Hunt in *The Place of Religion in the Science of Robert Boyle* (1955); and by

⁷See, e.g., B. J. T. Dobbs, *The Foundations of Newton's Alchemy* (Cambridge, 1975), ch. 6, or T. S. Kuhn, "Robert Boyle and Structural Chemistry," *Isis*, 12 (1952), 33.

⁸Peter Shaw, ed., *The Philosophical Works of the Honourable Robert Boyle* (London, 1725), i. xiii, 183.

⁹Ch. 6.

¹⁰Another study worthy of mention is Maurice Mandelbaum, *Philosophy, Science and Sense Perception* (Baltimore, 1964), ch. 2.

R. S. Westfall in his classic *Science and Religion in Seventeenth Century England* (1958).¹¹ A more recent study, devoted almost exclusively to Boyle, is E. M. Klaaren's *Religious Origins of Modern Science* (1977), which follows Fisch in examining Boyle in the context of the "spiritualist" tradition of the seventeenth century. A rather different view of Boyle's religious preoccupations appears in Rosalie Colie's important study of Boyle's interest in miracles in her 1963 account of "Spinoza in England 1665–1730," followed by R. M. Burns in his *The Great Debate on Miracles, from Joseph Glanvill to David Hume* (1972). From the point of view of the relationship between Boyle's scientific views and his religious outlook, a further crucial article which should be singled out is J. E. McGuire's "Boyle's Conception of Nature," published in the *Journal of the History of Ideas* in 1972.

In terms of materials for the study of Boyle, one step forward—in view of the complicated publishing history of many of Boyle's works—was the publication of J. F. Fulton's *Bibliography* of Boyle in the *Proceedings* of the Oxford Bibliographical Society in 1932: a revised edition was published by Oxford University Press in 1961.¹² Also important was the work of R. E. W. Maddison, who published a whole series of biographical studies of Boyle in *Notes and Records of the Royal Society* and *Annals of Science* in the 1950s and 1960s, collecting his principal findings in book-form in 1969. These studies largely superseded the more superficial biographies of Flora Masson (1914) and L. T. More (1944), though Thomas Birch's *Life* of 1744 still retains a certain value, while Maddison has had far from the final say on the biographical aspects of Boyle.

Of late, there have been new approaches to Boyle. One has been a concern with placing him in a more overtly social and "ideological" context than hitherto, stressing the ulterior motives underlying the intellectual positions that he adopted. This approach was pioneered by J. R. Jacob in an article on "The Ideological Origins of Robert Boyle's Natural Philosophy," published in the *Journal of European Studies* in 1972, and subsequently expanded into his book, *Robert Boyle and the English Revolution* (1977); a related article, "Boyle's Atomism and the Restoration Assault on Pagan Naturalism," appeared in *Social Studies of Science* in 1978. The wider context to Jacob's views on Boyle was spelled out in an article published in conjunction with M. C. Jacob, "The Anglican Origins of Modern Science: the Metaphysical Foundations of the Whig Constitution," *Isis*, 1980, which also drew on Margaret Jacob's work on the Lectureship which Boyle founded. On the other hand, though widely acclaimed when originally published, the work of these scholars has met with increasing reservations as further research on related topics has illustrated the flimsy basis of many of their conclusions.

More significant has been Steven Shapin and Simon Schaffer's *Leviathan and the Air-Pump: Hobbes, Boyle and the Experimental Life* (1985), which gives illuminating treatment to the controversy between Hobbes and Boyle, illustrating the issues that were at stake between them. Thus while Hobbes disputed the validity and significance of Boyle's experimental findings, Boyle insisted that, through them, he could establish collectively-witnessed "matters of

¹¹For an earlier work whose impact was limited by wartime circumstances, see Reijer Hooykaas, *Robert Boyle: Een Studie over Natuur-wetenschap en Christendom* (Loosduinen, 1943). I am indebted to Ted Davis for this reference.

¹²For the intended revised edition of this, see above, n. 5.

fact" which might form the basis of a real intellectual consensus.¹³ On the other hand, this study also has its weaknesses, exaggerating the significance of some facets of Boyle's context and neglecting others; it has already stimulated some critical response, and further debate on related issues is certain.¹⁴

The other trend of recent years has been to subject Boyle's contribution in the crucial area of matter theory to fresh scrutiny. This has been particularly associated with the work of John Henry and Antonio Clericuzio, who have illustrated that Boyle was more susceptible to explanations of natural phenomena which invoked "seminal principles" and other powers than the exclusive emphasis of earlier historians on matter and motion had suggested: the implications of this have yet to be fully explored, either for Boyle or for his contemporaries.¹⁵ In addition, following in the footsteps of historians like Charles Webster, Clericuzio has illustrated that Boyle's debt to the Helmontian tradition was more complex than had formerly been supposed.¹⁶ A further development has been a fuller scrutiny of Boyle's curiosity about alchemy, seen in the work of Lawrence Principe and myself, in my case combined with an interest in seeing how Boyle's concern with such matters was complicated by a strong moralism, another facet of his persona which has arguably been inadequately considered hitherto.¹⁷

Of the studies itemised here, many have been principally based on Boyle's voluminous published works, as collected by Birch in the eighteenth century. On the other hand, some of these authors deployed Boyle's manuscripts, and it is worth briefly surveying such use of the archive here. A pioneer was R. S. Westfall, who not only made reference to the Papers in his *Science and Religion in Seventeenth-century England*, but also produced a whole article based on material from the collection entitled "Unpublished Boyle Papers Relating to Scientific Method" (*Annals of Science*, 1956). Marie Boas similarly deployed material from the Papers in the works that have been referred to, while she was subsequently to return to the archive, publishing a crucial text for the first time in 1987.¹⁸ Similarly, Rosalie Colie's article included a substantial appendix of unpublished material (though, regrettably, some of the volume numbers given are

¹³See also Shapin's "Pump and Circumstance: Robert Boyle's Literary Technology," *Social Studies of Science*, 14 (1984), 481–520, and "Robert Boyle and Mathematics: Reality, Representation and Experimental Practice," *Science in Context*, 2 (1988), 23–58. For a related study, see J. V. Golinski, "Robert Boyle: Scepticism and Authority in 17th-century Chemical Discourse," in Andrew Benjamin, Geoffrey Cantor and John Christie, eds., *The Figural and the Literal* (Manchester, 1987), 58–82.

¹⁴For instance, Rose-Mary Sargent, "Scientific Experiment and Legal Expertise: the Way of Experience in Seventeenth-century England," *Studies in the History and Philosophy of Science*, 20 (1989), 19–45.

¹⁵See John Henry, "Occult Qualities and the Experimental Philosophy: Active Principles in Pre-Newtonian Matter Theory," *History of Science*, 24 (1986), 335–81; Antonio Clericuzio, "A Redefinition of Boyle's Chemistry and Corpuscular Philosophy," *Ann. Sci.*, 47 (1990), 561–89.

¹⁶Antonio Clericuzio, "Robert Boyle and the English Helmontians," in Z. R. W. M. von Martels, ed., *Alchemy Revisited* (Leiden, 1990), 192–9; Charles Webster, "Water as the Ultimate Principle of Nature: the Background to Boyle's Sceptical Chymist," *Ambix*, 13 (1966), 96–107.

¹⁷Michael Hunter, "Alchemy, Magic and Moralism in the Thought of Robert Boyle," *British Journal for the History of Science*, 23 (1990), 387–410; Lawrence Principe, "The Gold Process: Directions in the Study of Boyle's Alchemy," in von Martels, ed. cit., 200–5. See also his forthcoming "Robert Boyle's Alchemical Secrecy: Codes, Ciphers, and Concealments," which throws important light on certain documents in the archive.

¹⁸M. B. Hall, "Boyle's Method of Work: Promoting his Corpuscular Philosophy," *Notes and Records*, 41 (1987), 111–43.

incorrect),¹⁹ while some use of the collection was also made by M. A. Stewart in his valuable edition of *Selected Philosophical Papers of Robert Boyle* of 1979. It may be argued, however, that the collection has hitherto never been exploited as fully as it deserves, for reasons connected with the nature and fortunes of the archive itself. It is to the history of the Boyle Letters and Papers that we must therefore now turn.

The History of the Boyle Letters and Papers

Elements of the Boyle archive as it exists today are already recognisable in various inventories that survive of Boyle's papers in his later years. Most of these are now to be found in BP 36 and, from them, quite a vivid sense can be formed of the way in which Boyle lived surrounded by his papers. Both in Boyle's "great Room" and in his "Bed-chamber" in the house that he shared with his sister, Lady Ranelagh, in London's Pall Mall, there were various boxes, square or oblong, some of them "lockt." Within these were bundles of papers, usually in pasteboard wrappers and tied up with string or ribbon, though some were "Paperbooks." In the inventories, a number of these are identified by their subject matter: for instance, "Many notes concerning Light & Inflammability, white Past-board cover, yellow and black Ribbons"; or "A large Role [sic] of Papers tyed up writt upon Papers belonging to the History of Quality"; or "A yellow quarto tyed up with Packthred writt upon *Medicinalia*"; or "A Paper Book Entitul'd, the old Book of Confusions." From them, various clues are available as to how Boyle organised his manuscripts in his later years, as we will see in the next section.

In the will that he drew up the summer before he died, Boyle declared his intention to bequeath the papers to Lady Ranelagh. Since she predeceased him, however, responsibility for them instead passed on his death to his executors, his brother, Richard Boyle, Earl of Burlington, Sir Henry Ashurst, and his former servant, John Warr junior. The papers themselves seem to have passed into the possession of Warr, who Boyle expected to take the main care for his affairs, though Burlington evidently felt some responsibility for them.²⁰ That they existed seems to have been reasonably well-known at this stage. Thus Sir Peter Pett in his biographical notes on Boyle cited Warr "that the papers were very many & would aske some moneths time to peruse," while the divine John Williams, who published Boyle's early *Free Discourse against Customary Swearing* from a manuscript that he was given by Burlington and Ashurst in 1695, was involved in the following year in plans for a collected edition of Boyle and hoped "that it would be convenient that some inquiry should be made of what might be found among his papers, fit for the press": in the event, however, nothing came either of this or of the edition as a whole.²¹ In addition, in a separate memorandum Boyle had specified that his chemical papers should be

¹⁹See Colie, "Spinoza," and below, Reel Index, s.v. BP 7 (some of her references to which are incorrectly given as 3).

²⁰Maddison, *Life*, 258, 279–80; "A Summary," 99–100. That Warr had all of the papers is stated by Pett: see next note. Though some papers were retained by Burlington, these probably related only to property: Maddison, "Summary," 101, 106.

²¹Add. MS 4229, fol. 44v; Boyle, *Free Discourse* (London, 1695), Ep. Ded.; Evelyn, *Diary and Correspondence*, iii. 359. See also Evelyn to Williams, 15 June 1696, Christ Church, Oxford, Evelyn Collection, Letterbook (MS 39), no. 759.

inspected by a committee comprising John Locke, Edmund Dickinson and Daniel Coxe, who gave the material some desultory attention, though nothing appears to have come of this.²²

More significant was the project for writing Boyle's life which got off the ground at the same time, since it was anticipated that this, too, might draw on the papers: indeed, it was in this connection that Pett referred to them. Initially it was hoped that Boyle's biographer would be his friend Gilbert Burnet, Bishop of Salisbury, who had preached Boyle's funeral sermon in January 1692. He proved too busy, however: instead, his place was taken by the scholar, William Wotton, author of *Reflections upon Ancient and Modern Learning* (1694), in which he defended the moderns against the attack on them launched by Sir William Temple in his *Essay upon the Ancient and Modern Learning* (1690), who was hence quite an eminent figure in his own right. Wotton seems to have undertaken the task in March 1696, encouraged at first by John Evelyn, long a friend of Boyle's, and a trustee of the Boyle Lectures, and then by Burnet and others.²³ From the outset Wotton had the intention of using Boyle's manuscripts in his study, although he seems at first to have experienced some difficulty in gaining access to them: Pett noted that Warr had told him that the Earl of Burlington had instructed him to show the papers to no one (it was Pett's understanding that such secrecy was enjoined by Boyle's will); in addition, Wotton records how, even after he had "a positive promise from the executors that I should have the use of Mr Boyle's papers, my Lord Burlington at last insisted upon my giving a bond that I demanded no gratification."²⁴ Such problems were, however, overcome, and an arrangement was reached by which Wotton was to see all of the papers and to return them to Warr after he had used them: this was evidently agreed to in a letter from Wotton to Warr which was seen by Henry Miles in the early eighteenth century but which no longer survives.²⁵

That Wotton did indeed devote much attention to the Boyle archive is clear from the manuscripts themselves: collation of extant examples of Wotton's hand with the handwriting of endorsements both to the Letters and Papers suggests that a substantial number of these are by him, indicating that he read, sorted and tabulated the material quite exhaustively. Indeed, these physical vestiges suggest that Wotton probably spent more time examining the archive than anyone since, though his efforts have hitherto been ignored. He presumably began this work as soon as the problem involving Burlington had been resolved: having informed Evelyn of this in a letter of 2 January 1698, in a subsequent letter dated the 20th of that month, Wotton reported how he "had just got a box of papers and was going to digest matters for the forge" at that point. Eighteen months later, however, in a further letter of 8 June 1699, he told Evelyn how "the parcels I have yet had are very inconsiderable, in comparison with what is behind: they are sent me by trunkfuls at a time, & when one parcel is perused, what is like to be for my purpose I keep."²⁶ There are no subsequent references to Wotton's archival work, but what is clear is

²²Maddison, "Summary," 100; *Life*, 203–4.

²³Maddison, "Summary," 92–3. He is, however, wrong to think that Evelyn initiated Wotton's project: see Evelyn's letter to Bentley of 22 March 1696 (Letterbook [see n. 21], no. 753); see also his letters to Wotton of 12 May and 15 June 1696 (*ibid.*, nos. 757, 759). I should point out that I have not duplicated references given by Maddison in his valuable study, recording only disagreements with him, or sources of which he was unaware.

²⁴Evelyn, *Diary and Correspondence*, iii. 353, 370. For Pett, see above, n. 21.

²⁵Maddison, "Summary," 101n.

²⁶Evelyn, *Diary and Correspondence*, iii. 371–2; Evelyn Collection MS 3.3.111. Cf. *ibid.*, 112, a letter of 8 August 1699, where he writes: "as yet I have seen but a small pittance."

that—over a period of some years—he went through most if not all of the Letters and Papers, picking out what he wanted and retaining it for further use, and returning the residue to Warr.

Wotton's progress with his putative *Life* was sufficient to justify the appearance of an advertisement for it in the *London Gazette* in May 1699. This described it as

A History of the Life, and Extract of the Writings of the Hon. Robert Boyle Esq.; Collected as well from what are in Print, as from his Manuscripts and Papers of Experiments never Published, and also from a vast number of Letters to and from the most Learned Men in Europe, his Correspondents: Undertaken by W. Wotton B.D. and Fellow of the Royal Society, at the Desire of divers Gentlemen of the said Society, and other Friends of Mr Boyle, as also of his Executors, who have for that purpose entrusted the said Papers with Mr Wotton.²⁷

Various delays ensued, however, and, though Wotton continued to work on the project in the first decade of the eighteenth century, in 1709 writing to Sir Hans Sloane requesting the loan of books for the purpose, in the end the biography was never published: though Henry Miles saw all or part of it in the early 1740s, only one fragment of it now survives.²⁸ The reasons for Wotton's failure to complete the project are obscure, though in an early life of him it was attributed to the fact that most of his papers

were unhappily either lost or destroyed, & he was so much effected by this Misfortune, to have spent so much Time to no Purpose, that he had not Resolution enough to think of turning all the same Books & papers over a second Time, & beginning again.²⁹

The next phase in the history of the Boyle Letters and Papers was associated with a further project for editing Boyle's works and writing his life, this time under the auspices of the cleric and antiquary, Thomas Birch. Birch had written a biography of Boyle for the third volume of the enlarged English translation of Pierre Bayle's *General Dictionary, Historical and Critical*, which was brought out in ten volumes between 1734 and 1741, the third volume appearing in 1735. In the course of this, Birch wrote:

He left behind him a considerable number of manuscripts, which are at present in the hands of Mr Smith, who lived with him several years, and to whom he dictated some of his works. It is greatly to be wished, that those manuscripts may some time or other see the light. One of Mr Boyle's Executors, to whom he left these papers, sent several of them to Dr Wotton, in order to write his Life, which were afterwards returned.³⁰

²⁷Maddison, "Summary," 93.

²⁸Maddison, "Summary," 94–5. The surviving fragment is now the first item in Add. MS 4229: it will be published in my forthcoming edition of early biographical texts concerning Boyle.

²⁹Add. MS 4224, fols. 165–6; "to have" replaces "to thinke that he had," deleted. The claim made in this text that Wotton began the task "About the year 1701" is obviously incorrect, however.

³⁰Pierre Bayle et al., *A General Dictionary* (London, 1734–41), iii. 546–8.

A commentary on this passage will elucidate the state of the papers at this juncture. It was correct in so far as, on Warr's death in 1715, the part of the archive which was in his possession at that time had indeed been inherited by his chief legatee, Thomas Smith, formerly an employee of Boyle's and latterly an apothecary in the Strand. Moreover, shortly after Birch wrote these words, these papers were placed by Smith in the hands of Henry Miles, a nonconformist minister of Tooting with an interest in natural philosophy, "with leave to make use of them for the public good."³¹ In 1738, Miles and Birch met, and at some point after this Miles agreed to assist Birch in preparing a life of Boyle and an edition of his works in which unpublished material from the archive would be exploited, as was formally agreed between the two men on 16 July 1741: though the 1744 edition bears Birch's name alone on the title-page, much of the preparatory work for it was in fact done by Miles.³² In 1741 and 1742, therefore, Miles spent much time in sorting, tabulating and transcribing the papers, searching for material appropriate for inclusion in the edition and the accompanying *Life*.

What neither Birch nor Miles realised at this point was that Wotton had only returned part of the material that he had borrowed from Warr. He had held on to the remainder with a view to deploying it for his aborted life, and on his death in 1727 it passed to his son-in-law, William Clarke, a prebendary of Chichester. Hence, after initially working on the Warr-Smith component of the archive on the presumption that this was all that survived, Miles had to revise this view during the period when the project was in gestation, since in 1742 he learned that the residue of the papers which Wotton had retained still survived in Clarke's hands: this apparently came to light through information given to Birch by the divine and writer, Samuel Knight.³³ Finally, later in 1742, after protracted negotiations, further complicated by the intervention of the putative publisher of Wotton's aborted work, Miles obtained this material as well.³⁴ This caused certain complications for the preparation of the edition, part of which had already been consigned to the press by this time:³⁵ items had to be sent to the printers for last-minute insertion, and Miles complained how "It will be impossible to get some valuable papers ready to be inserted in their proper places & how to come off with reputation I know not."³⁶ From the point of view of the archive, however, the result was that the two principal surviving components of the papers were at last reunited. On the other hand, it is possible that, just at this time, a further section was alienated: in 1741, Miles evidently sent chemical papers from the archive to Peter Shaw for him to peruse to see if any were appropriate to the edition. None were included, and it is not entirely clear whether or not they were returned.³⁷

³¹*Works*, i. ii; Maddison, "Summary," 101, 107–8.

³²Maddison, "Summary," 97. The memorandum between the two men dated 16 July 1741 is now BP 36, fol. 50 (cf. Add. MS 4229, fol. 79). See also M. B. Hall, "Henry Miles, F.R.S. (1698–1763) and Thomas Birch, F.R.S. (1705–66)," *Notes and Records*, 18 (1963), 39–44.

³³See Knight's letters to Birch, Add. MS 4312, fols. 49, 52. It is worth noting that Knight probably never had any of the papers, as against knowing that Clarke did (see Maddison, "Summary," 101–3).

³⁴For extracts from the relevant letters in Add. MSS 4229 and 4314, see Maddison, "Summary." It is perhaps worth noting that there is no evidence that Burnet had any papers other than biographical memoranda and Boyle's letters to him (*ibid.*, 101).

³⁵Maddison, "Summary," 98.

³⁶Miles to Birch, 5 Nov. 1742, Add. MS 4314, fol. 72. Cf., e.g., BL 1, fol. 134.

³⁷Maddison, "Summary," 105; Add. MS 4229, fols. 127, 134.

It is worth briefly commenting here on Miles's work on the papers at this time. Apart from the biographical data that he furnished for Birch—including Boyle's hitherto unpublished autobiography, "The Life of Philaretus"—it is apparent from his letters to Birch that Miles's principal concern was with the two components of manuscript material which were printed for the first time in the 1744 edition, Boyle's correspondence and the unpublished sections of *The Christian Virtuoso*. This is reflected by the Boyle Papers and Letters. Though various inventories of all or part of the archive that Miles made at this time survive, as we shall see, a disproportionate amount of the extant manuscript material by Miles relates to the letters and to *The Christian Virtuoso*; in the former case, this takes the form of lists and abstracts, in the latter of transcriptions, to be found especially in BP 5 and BP 7. In both cases, Miles clearly did a great deal of work—in the latter, despite anxieties that the text was so fragmentary that it was dubious whether it was worth publishing at all—and both texts were specifically referred to in Birch's preface as "very considerable additions" to the collected *Works*.³⁸

In addition, Miles and Birch drew attention to the existence of manuscripts other than those which they published by appending to the list of contents of the edition a "List of the Titles of the MSS of Mr Boyle," about which the preface, after briefly outlining their descent, explained:

These manuscripts are very numerous, but many of them written while the Author was very young, and few completed. However I shall subjoin to the *Contents* the list of them as drawn up by his own order, all of them being still extant, except those marked with an asterisk before them.³⁹

This list has often been cited, and it may be of interest to note here that the manner in which Miles compiled it can be reconstructed by collating it with surviving manuscripts in the archive, including Miles's own draft, which is now BP 36, fol. 155. Miles evidently began by transcribing the list of Boyle's unpublished writings compiled on 3 July 1691 which survives as BP 36, fol. 72; but he then went on to add items from similar lists dating from earlier in Boyle's life, without considering whether works might have been renamed or reconstituted over the intervening years, and the result is a hybrid which deserves to be treated with more caution than has been the case hitherto. Moreover, comparison between Miles's draft and the printed version reveals revisions and second thoughts on his part—including the insertion and removal of asterisks—which throw further doubt on the reliability of this much-cited source.

Miles died in 1763, and in 1769 his widow presented the entire surviving collection of Boyle manuscripts to the Royal Society. The Society's journal book records that on 9 November 1769 "A large Collection of Original letters and Papers of the Hon. Robert Boyle and his Friends; contained in six Boxes" was "presented by Mrs Miles, relict of the late Dr Miles of Tooting, by the hands of Mr Canton [i.e., John Canton, F.R.S.]," and a brief announcement to similar effect was made in *Philosophical Transactions*.⁴⁰ Thus the archive came into the possession of the Society, where it has remained ever since. On the other hand, little appears to have been done with it for nearly a century. It was evidently only in the mid-nineteenth century that the Papers

³⁸*Works*, i. ii. See also Add. MSS 4229, fols. 109, 138 and passim, and 4314, fols. 74, 84 and passim.

³⁹*Works*, i. ii, ccxxxvi–viii.

⁴⁰Royal Society Copy Journal Book, xxvi. 663–4; *Phil. Trans.*, 59 (1769), xix.

were arranged in the 46-volume form in which they survive today, while, as we shall see below, it seems likely that work was also done on the letters at this time. A clue to the exact date at which this occurred is provided by the binding style of the Boyle Papers until their recent rebinding. This was a distinctive green parchment, and it can be paralleled in other Royal Society manuscripts, the binding of which can definitely be dated to the 1850s. Three such volumes (MSS 392, 394 and 395) have the legend "Bound 1856" on their title-page, while another (MS 351) has "1857"; it should be noted that the Society's accounts show large sums of money being dispersed on binding in these years.⁴¹

Further evidence that it was at this time that work was done on the Boyle Papers is provided by the fact that a copy of the Gravelot engraving of Boyle from the title-page of the Birch edition, which is now loosely inserted in the Society's "Newtoniana," vol. 3, fol. 66, is endorsed in pencil: "found among Boyle's papers 1855." It is probably not coincidental that this belated attention to the material occurred shortly before the Society's move to Burlington House in 1856–7, during the regime of C. R. Weld, author of the first full history of the Society, who became Assistant Secretary and Librarian in 1843, and Walter White, appointed his assistant in 1844.⁴² It was evidently these men who were responsible for the re-arrangement of the Papers which occurred at this time and which will be discussed in the next section. The Boyle Papers were rebound in 1990, at the time when they were microfilmed for the University Publications of America edition; earlier, the letters had been mounted in guardbooks and most of the notebooks had been rebound at some point in the mid-twentieth century.

Though the collection has been available in a form suitable for study for nearly a century and a half, its use for scholarly purposes is much more recent. It is said that when the Papers were shown to Louis Trenchard More, the American scholar whose biography of Boyle was published in 1944, he blanched and turned away at the sight of the outsides of the volumes, without opening a single one of them. The beginnings of the exploitation of the archive came with the more intensive interest in the history of science in the postwar years, surveyed in the previous section. Its use by scholars involved with specific projects was mentioned there, but, in addition, extensive use of the archive was made by Dr. R. E. W. Maddison, both for his biographical studies of Boyle, and for his "Tentative Index of the Correspondence of the Honourable Robert Boyle, F.R.S.," published in 1958.⁴³ Indeed, Maddison's work on the letters provides the basis of the finding aid included here, the chief difference being that he did not give an inventory of the Boyle Letters but a calendar of the correspondence as a whole in chronological order; hence the listing below and his calendar will be found to complement one another.

It was precisely a finding aid of this kind that was lacking as far as the Papers and notebooks were concerned, inhibiting their proper use. In the absence of this, individual scholars each had to leaf through the material piecemeal, finding what they could, a practice which was neither efficient as a means of locating relevant material, nor good for the manuscripts. Indeed,

⁴¹I owe this information to Alan Clark. Other bindings in the same style comprise MSS 350 and 393 and Royal Society Letters 1737–99.

⁴²H. W. Robinson, "Administrative Staff of the Royal Society, 1663–1861," *Notes and Records* 4 (1946), 203–4; M. B. Hall, *All Scientists Now* (Cambridge, 1984), 80, 97, 99.

⁴³*Notes and Records*, 13 (1958), 128–201.

though some made rudimentary handlists of their own, others doubted whether it was feasible to provide a guide to this material at all, such as M. A. Stewart, who described the collection as “uncatalogued and uncataloguable.”⁴⁴ In 1984, however, I determined to prove such estimates wrong. With grant aid from the Royal Society and the Wellcome Trust, and with sterling assistance from Tim Venning, I set to work to produce a proper catalogue of the archive. The bulk of this work was carried out in 1986 and 1987; this involved, firstly, the compilation of a very detailed Calendar of the entire content of the Boyle Papers and notebooks, along with ancillary tasks such as the foliation or refoliation of certain volumes, and, secondly, the epitomising of this data into a more useable Finding List. The section of the latter dealing with the Boyle Papers was issued to interested parties in draft form in the summer of 1987, and it is this which is published here below in revised form, together with a comparable guide to the notebooks (of which no equivalent draft was circulated). This listing does not entirely supercede the usefulness of the more detailed Calendar, however; in particular, the latter includes quotations of the incipits of unattributed items to assist in their identification, and key words in these can be searched for, since the resource is available in electronic form. In addition, each entry is also divided into different “fields” so that specific information within the archive can be located. Anyone seeking further information about this facility should apply to me.

Since these finding aids have become available—and perhaps partly as a result of this—there has recently been more intensive use of the Papers than ever before. A number of examples of this will be referred to in the section on Contents, below, and it is to be hoped that this represents merely a foretaste of the fuller exploitation of this crucial resource which should be stimulated by its greater availability in the form of the University Publications of America’s microfilm edition of the collection. Moreover, the present volume should itself enhance informed use of the papers, particularly through the provision in the Dating and Handwriting section below, which had no equivalent in the draft circulated in 1987. Now, at last, the archive is ripe for the intensive use which has for so long been overdue.

Survival, Arrangement, and Cataloguing

The Boyle Letters

The inventories of Boyle’s papers in his last years that have already been referred to show that among these were a number of bundles which were specifically identified as containing letters. Apart from one which is said to have contained letters to Oldenburg, however (BP 36, fol. 122), it is not clear either what these comprised or how they were arranged. It is also unclear how systematically letters were separated from other material, since there is some evidence that in the early eighteenth century the letters and other manuscripts were confused together.⁴⁵

Information about the state of the correspondence after Boyle’s death is available from surviving inventories of the letters by both Wotton and Miles, most of them in BP 36. Wotton’s list (BP 36, fols. 180–9) comprises an extensive series of letters arranged in chronological order, followed by groups of undated letters, “Letters &c. concerning Translations of the Bible in

⁴⁴Stewart, “Authenticity,” 283.

⁴⁵For instance, BP 4, fol. 135, was formerly with the Barlow letters now in BL 1. Cf. BL 2, fol. 63, where Miles refers to what is evidently now BL 3, fols. 23f., as being “among the Papers.”

several Languages” and family letters, and, last of all, an index of names. Whether the letters were physically arranged in the order given in the list is unclear, not least since it appears that, having made this list, Wotton did not then retain all the letters in it, as Miles had already selected 311 for publication from the series which had belonged to Thomas Smith before he obtained those which Wotton had retained and was able to marry the two together.⁴⁶ Miles’s own lists are rather scrappier than Wotton’s, listing letters in no particular order, though in mitigation it has to be pointed out that it was unfortunate that Wotton’s aborted project had led to the archive being split in two.⁴⁷ Most of Miles’s lists appear to comprise notes that he made while deciding which letters were suitable for publication in the 1744 edition, which were there grouped according to correspondent; a number which were not so printed are marked “No worth” or “N.W.” Some of the lists, on the other hand, may itemise letters that Miles came across during work on the archive after the edition had gone to press.

Since the 1744 edition is currently the main printed repository of Boyle letters, it is obviously important to indicate here the relationship between that and the Boyle Letters. There are several hundred letters to or from Boyle in the archive, while several hundred letters are printed in the edition. On the other hand, many letters in the archive did not appear in the edition, while quite a high percentage of the printed letters do not now survive, as will be seen by perusing R. E. W. Maddison’s complete calendar of Boyle’s correspondence.⁴⁸ Various observations may be made on this. Miles and Birch were naturally most interested in the letters of eminent scholars and others with whom Boyle had been associated, their coverage being most complete for figures like Thomas Barlow, Gilbert Burnet and Joseph Glanvill. Their focus was somewhat insular: Miles tended to neglect letters in languages such as French or Italian, which he confessed he could not read.⁴⁹ The letters of nonentities were also disproportionately neglected, but even for major figures the selection of letters for publication was slightly erratic; thus, though most of the letters to Boyle from Thomas Barlow were published, one was not—either because it came to light after the edition had gone to press, or because it was overlooked due to the haphazard state of the papers.⁵⁰

Equally—and frustratingly—erratic is the survival of letters which were published in the 1744 edition and of which the original manuscripts must therefore at that point have survived. Indeed, Miles asked Birch to give the printers strict instructions to keep the originals of all the letters, “because they are most of them to be sent to the R.Society”:⁵¹ but only a proportion of the originals of the printed letters now survive. Since those now missing include all the letters of such illustrious correspondents of Boyle’s as Isaac Newton, John Locke, Robert Hooke, and Samuel Hartlib, it might almost seem as if these letters had been systematically culled by a collector. But other letters which have disappeared are of nonentities, while in other cases a random selection survives, as with Thomas Hyde, Sir Paul Rycaut, James Tyrrel, and Lady

⁴⁶Add. MS 4314, fols. 62, 70: the latter also implies that the letters that Miles obtained from Clarke were alphabetically arranged.

⁴⁷For Miles’ lists, see BP 19, fol. 137; 35, fols. 134–5; 36, fols. 144f., 161f.; Add. MS 4229, fols. 71–3, 77–8.

⁴⁸See above, n. 43.

⁴⁹Add. MS 4229, fol. 150. Cf. item 37 in the list of unpublished manuscripts in *Works*, i. ccxxxviii.

⁵⁰BL 3, fol. 165: partially printed in Michael Hunter, “Casuistry in Action: Robert Boyle’s Confessional Interviews with Gilbert Burnet and Edward Stillingfleet, 1691,” *Journal of Ecclesiastical History* (forthcoming).

⁵¹Add. MS 4314, fol. 74.

Ranelagh. Exactly when these losses occurred is uncertain; though it is perhaps likeliest that they were never returned by the printer, it is possible that they disappeared later, since Miles specifically expressed the wish to preserve Hartlib's letters in a guardbook for the Royal Society more than a year after the volume of the edition in which the letters appeared had been printed.⁵²

In the case of two sets of letters, Miles took considerable trouble over their preservation. One was the volume which is now BL 7, a series of letters supplementing those in BL 1–6, most of them neither to nor from Boyle, which he evidently came across while sorting through the Boyle Papers. Miles had these placed in date order in a special guardbook with, at the start, a manuscript list of contents and a note dated 23 April 1747 in which he explained that these letters were “found among the papers of the Honourable Mr Boyle; which not being sent to him (a very few excepted) were not inserted in the late collection of his works,” and expressing the hope that they might be useful for writing the history of the Royal Society. Miles had already done the same for a further set of letters, those to Boyle from John Beale and Henry Oldenburg, which he treated in a similar manner in a volume which now forms Early Letters OB. This has a comparable list of contents and note dated 20 August 1745, and Miles evidently presented it to the Royal Society later that year with a covering letter to the President dated 24 October in which he again expressed the hope that the collection might prove useful to future historians of the Royal Society, in addition to its intrinsic interest.⁵³

There is no reason to think that Miles was responsible for the preparation of the current volumes 1–6 of the Boyle Letters, which lack introductory matter of this kind. The letters which are now arranged alphabetically in these must have come to the Royal Society with the Boyle Papers as a whole in 1769, but how they were organised at that point is unclear. At the beginning of the current volumes are two sets of manuscript lists, evidently of mid-nineteenth-century date, one on blue paper, the other on lined sheets of white paper; the latter are in the hand of the assistant librarian, Walter White.⁵⁴ The preparation of these probably accompanied the process of sorting, and the set of lists on blue paper must be the earlier of the two, since, in contrast to the ones on white paper, they record an ordering of the letters different from the present one, not least in not being coterminous with the existing volumes: the Boyle items come first, before A, rather than being at the appropriate place in the alphabetical sequence; the lists now in volume 3 and 5 include items now in volumes 2 and 4 respectively; there is a “Supplement” at the end of items now redistributed in the main sequence, while some items listed as being with the letters now in volume 6 are now to be found in earlier volumes in the series. Since the order given in the lists on white paper is identical with the present one, it was presumably in conjunction with the compilation of these that this was achieved. The content of each volume is expounded more fully in the typed lists of twentieth-century date which follow; these appear to date from the time when the letters were most recently rebound.

⁵²Add. MS 4314, fol. 95 (4 June 1744); Maddison, “Summary,” 98, 106.

⁵³Miles to Martin Folkes, 24 Oct. 1745, Royal Society, L & P, i. 415. Though he there announced that he was preparing what is now BL 7, no subsequent letter survives, so it is unclear whether or not BL 7 reached the Society before the main group of papers in 1769.

⁵⁴For examples of White's hand, see Royal Society Miscellaneous Manuscripts 19, fols. 96–100. The lists on blue paper *may* be in the hand of J. O. Halliwell, but comparison with other examples of his hand is not conclusive.

Lastly, we may return to the question of the completeness of this part of the archive. Apart from the letters of which the originals are lost but the texts of which fortunately survive because they were printed in the 1744 edition, it is clear that the collection as we have it today lacks many other letters which existed at the time of Miles and Wotton. This is shown by the lists which survive in BP 36 and which have already been referred to, particularly Miles's, which often includes brief notes of the content of the letters involved. I hope to publish a full account of these items which have so unfortunately disappeared; whether they were lost before or after the archive reached the Royal Society is unclear.

The Manuscripts and Notebooks

The history of these is fairly straightforward, since they are distinctive in format, each comprising a discrete unit which has apparently always been individually bound. A number of them can be identified in a list of "Bound books" made by Henry Miles which is now BP 36, fol. 196. Among others, this mentions notebooks with ties of green (and black) string which tally with internal references in some of the notebooks themselves, though such ties have long since disappeared in the course of rebinding.⁵⁵ From the same list it is also apparent that the manuscripts of Boyle's *Aretology* and other early writings which adjoin it in the series were in Miles's possession at that stage, as was one item which evidently reached Miles with the Boyle Papers and is now Royal Society MS 22, a collection of scientific material of mid-seventeenth-century date; the description of the content of this volume in the list exactly corresponds with a note on its cover in Miles's hand.⁵⁶ On the other hand, Miles's list also includes items which apparently no longer survive, for example "a little one 12o without covers against Romances damagd": it would be frustrating if these represented lost works by Boyle, though it is quite possible that they were copies of treatises by others.

Presumably all the extant volumes came to the Royal Society with the rest of Miles's collection in 1769 and—because each item is individually bound—they have since been absorbed into the Society's general manuscript series, of which they now comprise MSS 41, 43 and 185–99 (together with MSS 23 and 200, on which see below). Their absorption into the manuscript collection began at some date prior to the time when J. O. Halliwell compiled his catalogue of the Society's manuscripts, published in 1840. A total of seven of these items can be identified in his catalogue, three in the main series and four more in the supplement to it, namely nos. 41–3 in the main series (now MSS 41, 192 and 43; in addition, MS 23 was no. 23), and nos. 8–11 in the appendix (now MSS 185–7 and 193).⁵⁷ The fact that MSS 41 and 43 formerly flanked a volume, MS 192, which at some later date has been moved to the "main" Boyle series, confirms their integrity to the Boyle collection, though it is unclear why these were left in the

⁵⁵MS 186, fol. 1v; MS 189, fol. 67. It is perhaps worth noting that this list describes some items as "sing[ing] book[s]," presumably because of their oblong format.

⁵⁶Apart from two items which clearly represent the two versions of the *Aretology*, another item may certainly be identified with MS 196, while one or other of those described as containing "Meditations" and "Several sermons" may be MS 197.

⁵⁷J. O. Halliwell, *A Catalogue of the Miscellaneous Manuscripts in the Library of the Royal Society* (London, 1840). The identity of MS 187 is especially clear, since the catalogue entry refers to the content of fols. 141–2. There are pencil references giving the numbers appearing in the Halliwell catalogue in MSS 186 (fol. 188v) and 192; MS 189 has "?Ap. 9," as if an intermediate cataloguer was unsure of its identity.

main sequence when their neighbour was moved. This leaves ten items which were not referred to at that point, but there seems no reason to doubt that they have been at the Royal Society since 1769; probably, they were mixed up with other Boyle material until the main series of papers was sorted and bound in the 1850s. All the volumes have been rebound in the twentieth century except MS 43, which has been rebaked but still retains its original vellum binding entitled "Short Notes for Entrys."

This leaves two items, MSS 23 and 200. MS 200 is a list of the collection of minerals that Boyle bequeathed to the Royal Society, evidently made by the Society's Operator, Henry Hunt. Though, on receipt of this bequest in 1692, the Society made enquiries about the survival of a catalogue to which marks on the stones apparently referred, nothing appears to have come of this.⁵⁸ Instead, Hunt must have set to work to produce this catalogue of his own, which has presumably been at the Royal Society ever since.

Secondly, MS 23 is an item which evidently came to the Royal Society with the Boyle Papers, a volume in the hand of Boyle's servant and executor, John Warr junior. Originally, Warr made theological notes in it; later, however, he used it to inventorise and value a collection of books. A transcript of this listing, sorted alphabetically, has recently been published by John Harwood under the title, "Boyle's Library," and works included in the list have already been cited as if they were owned by Boyle, for example by Malcolm Oster.⁵⁹ However, although this item has been included by University Publications of America in their microfilm edition because of its link with the Boyle archive, it should be stressed that it is far likelier that the books listed in the volume are Warr's than Boyle's, and the reasons for this will be briefly indicated here.

It should be explained that the list is interspersed by notes as to the whereabouts of the books, and these show that the books were kept in various rooms in a house in Brewer Street, in Warr's "Roome at my Master's," or in Thomas Smith's bedroom, also in Boyle's house. This would mean that, even if the books in question *were* part of Boyle's library, we would be seeing only the "backstairs" part, as against the books kept in Boyle's own rooms, and the value of arguments from the general physiognomy of the collection would be thereby reduced. On the other hand, it is much likelier that, though partially stored in Boyle's house, the books were in fact Warr's own. One clue suggesting this is the fact that on fol. 26 Warr details "Bookes of mine in Octavo (replacing Quarto) on the upper long shelve in my roome at my Masters": in this quotation, "of mine" is inserted (as is "in my roome"), perhaps to differentiate these from other books on the same shelf owned by someone else.

The evidence adduced by Harwood in favour of the books being Boyle's is at best inconclusive. Thus the fact that the books are valued and that on fol. 23v numerical totals of those "to be k[ept]" and "to be s[old]" are included, in conjunction with the fact that the most recent book in the list was published in the year of Boyle's death, is taken to suggest that the list was prepared in connection with the dispersal of Boyle's library. But it is equally likely to represent a partial dispersal of Warr's own books at the point when the Boyle residence was being cleared, hence explaining why the volumes were mostly in his quarters at Boyle's or in his own house (the fact that some books were in Smith's room proves nothing one way or the other).

⁵⁸Maddison, *Life*, 201.

⁵⁹Harwood, *Essays and Ethics*, 249–81; Oster, " 'The Beame of Divinity': Animal Suffering in the Early Thought of Robert Boyle," *British Journal for the History of Science*, 22 (1989), 171 n.107.

It is particularly important to note that the house in Brewer Street was clearly Warr's, and was not Boyle's house in the City, as Harwood has suggested. For one thing, Boyle's City house was almost certainly the "Messuage or Dwelling House in St Michael Crooked Lane," the proceeds from the outstanding lease of which went after Boyle's death to help fund the Boyle Lectures.⁶⁰ Secondly, Harwood's reason for believing that Brewer Street was *not* Warr's residence is based on a misreading of the evidence. On p. 250 of "Boyle's Library," Harwood claims that on fol. 9 of the manuscript Warr refers to two out of a set of three volumes of Foxe's *Book of Martyrs* as being missing from Brewer Street because they were in his "upper Closet at home," adding "This comment makes sense only if Brewer Street was not his residence." In fact, however, the location of the books listed on the recto of fol. 9—including these—is not given; it is on the verso of the folio that the location of Brewer Street is given, and here, sure enough, the two missing volumes of Foxe appear.⁶¹ Hence, so far from implying that Brewer Street was not Warr's home, this piece of evidence proves that it was. In all, it seems far likelier that we have here a catalogue of the books belonging to one of Boyle's servants than to Boyle himself. But this does not remove the interest of the collection, since it is revealing of the intellectual milieu in which Boyle lived. The fate of Boyle's own books—which was regretted at the time—has been discussed by R. E. W. Maddison and J. F. Fulton.⁶² Most unfortunately, a catalogue of these which survived in Miles's time is now lost; Miles described it as a "Catal[ogue] of Mr B[oyle]'s Books & Pamphlets: not of his Works but of his Library" (BP 36, fol. 157; cf. *ibid.*, fol. 149).⁶³

The Boyle Papers

Compared with both the Letters and individual manuscripts, the arrangement of the Papers is—and always has been—much more problematic. Whereas notebooks form discrete volumes, while letters tend predominantly to be on single sheets of paper and are easily identified and sorted by their author and/or date, the same could hardly be less true of Boyle's papers, due to the diversity of the material in the collection. As we shall see in more detail below, this ranges chronologically from Boyle's adolescence to the last months of his life, though relatively few items are actually dated; it also includes treatises and papers with only a tangential connection to Boyle, in addition to his own very disparate notes and drafts. The result is to give the whole archive a superficial appearance of chaos, which has struck virtually all commentators from Boyle's time to ours. Less than eight years after Boyle's death, William Wotton was complaining of the disorganised state of the collection, telling John Evelyn in a letter of 8 August 1699: "His Papers were truly, what he calls many Bundles of them himself[,] a Chaos, rude & undigested many times God know's."⁶⁴ Henry Miles similarly complained of the state of the manuscripts,

⁶⁰Maddison, *Life*, 275.

⁶¹It is presumably linked to this misreading that Harwood asserts that there were two copies of this work (264).

⁶²Maddison, *Life*, 198–200; Fulton, *Bibliography*, iv–vi. For contemporary regret, see Evelyn's letter to Tenison of 16 July 1692, Letterbook (see above, n. 21), no. 668.

⁶³In addition, it is worth noting that the list of "Bound books" in BP 36, fol. 196, includes at least two printed books (*Le Son de la Trompette* (1573) and a copy of the 1687 Latin edition of the *Free Enquiry into the Vulgarly Receiv'd Notion of Nature*), and possibly more.

⁶⁴Evelyn Collection MS 3.3.112.

though, as we shall see, he rather unfairly tended to blame this on Wotton; and similar comments on the “disarray” of the archive have been made in this century.⁶⁵

On the other hand, it is worth investigating whether, underlying the apparent chaos, the archive had a rationale in Boyle’s own hands, with a view to assessing whether any vestiges of such an ordering remain today. The obvious source for this are the various inventories of the papers made during Boyle’s lifetime which survive in the archive and which have already been referred to: these include an early undated list in Boyle’s hand, a pair made by Oldenburg in 1677, a further “Catalogue” of 1684, and various items dating from the last year of Boyle’s life, together with copies and ancillary drafts.⁶⁶ At the outset a caveat is needed, since careful study of these suggests that, though providing a vivid sense of the physical state of Boyle’s manuscripts, none of them appears to be a complete inventory of the archive. Most of them list the content of five or fewer boxes, and they appear to be focused on material related to topics or treatises that Boyle was working on at the time when they were made, implying that other papers existed elsewhere in Boyle’s house or in his adjacent laboratory. That there were manuscripts in the laboratory is clear from the printed “Advertisement” that Boyle issued in 1688 attributing the disorganised state of his publications not least to the damage that the papers had suffered there.⁶⁷ It is also noticeable that the longer inventories, particularly that of 17 September 1691, have peripheral material, including Latin translations of Boyle’s writings, bundles of letters and the like, which do not occur in the more succinct ones, while close comparison of the different inventories suggests that, even during the months of 1691, the content of boxes changed, certain items evidently being removed to more peripheral repositories, the contents of which are unknown.

In spite of this, however, the inventories do provide certain clues as to how Boyle arranged his papers. The content of the archive seems to have fallen into various categories, which had a clear rationale in terms of Boyle’s method of composition, even if this might not have been very apparent to a superficial observer. Many of the bundles comprised material collected together as relating to a specific topic: on pores and porosity, for instance, or on inflammability, or on the transmutation of metals. Sometimes these represented treatises on which Boyle was working, or notes which he intended to write up more fully in the future; sometimes, on the other hand, things seem to have worked the other way round, and treatises which he compiled quite early on but never published—or sections which he discarded—formed quarries for his later writings. A case of this is provided by his book “Observations on the Causes and Pretences and Remedies of Atheisme,” proudly described as a treatise with that title to Oldenburg in 1677 and reiterated as such in the “Catalogue” of 1684. By 1691, however, as a result of successive raids on the work for other treatises, particularly his *Disquisition about the Final Causes of Things*, published in 1688, this had degenerated into “An imperfect and mutilated Discourse containing Considerations about some Causes of Atheism” (BP 36, fols. 72, 89).

⁶⁵Hall, “Henry Miles and Thomas Birch,” 42 (though in this case the blame for it was placed on nineteenth-century librarians).

⁶⁶BP 36, esp. fols. 59–61, 72–3, 88–9, 119–23. I hope to publish a fuller account of these items and their significance at a later date.

⁶⁷*Works*, i. ccxxii–iv. Cf. BP 36, fol. 51.

Secondly, there was a vast arsenal of data in the form of experimental notes, notes on books, reports of conversations that Boyle had with informants who had visited exotic places or witnessed unusual events, or even simply thoughts that had occurred to him and which he had written down while they were in his mind. By definition, such material tended not to be neatly classified by subject, but to be more of a bank of miscellaneous data on which Boyle made periodic raids in search of relevant information on a topic currently in hand. Interestingly, various mnemonic and other classifications of this material by Boyle survive, in which he attempted to differentiate it by subject (for example, MS 189, fols. 13v–14). But, as even he admitted, this was by definition difficult, in view of the intrinsic diversity of the material. It was to describe compendia of this kind that Boyle used the term “Chaos” which Wotton echoed in the comment on the archive already quoted. Yet this was clearly a key element of the archive, providing raw material rather similar to that furnished to more literary scholars of the day by the commonplace books that they made, but appropriately empirically-oriented for one who prided himself, in Evelyn’s words, “as learning more from men, real experiments, and in his laboratory...than from books.”⁶⁸

Thirdly, there appear to have been groups of prefatory material. In the inventory of 17 September 1691 is a reference to “a thin Folio, containing many Prefaces, Advertisements & such like Papers of great use for understanding the scope & method of many of Mr Boyl’s unpublish’d writings,” and this is echoed by comparable items in earlier lists. Here, we arguably have an intermediate category between those already outlined, comprising the germs of works waiting until the time was ripe for them to be converted into items in the first category by the addition of material from the great arsenal of data in the second. Lastly, there were the various transcripts and more miscellaneous materials which Boyle kept, a number of which are referred to in different inventories.

Some of these categories are still vestigially recognisable in the archive today, including certain of Boyle’s collections of experimental notes and observations, or some of the groups of papers related to specific topics, or some of the transcripts (for example, the item that is now BP 23, pp. 307–473 is clearly referred to in the inventory in BP 36, fol. 122v, when it was “rol’d up & ty’d with Packthred”). On the other hand, much has been lost. Indeed, whereas the archive as it existed in Boyle’s hands had a coherence and flexibility through its interrelationship with his creative processes, material from different categories being able to be recombined at will, this was highly vulnerable in the hands of anyone other than its originator, to whom a system of classification which was so intimately bound up with the mind of its creator was bound to seem somewhat chaotic.

Hence, from the time of Wotton onwards there has been a succession of well-intentioned attempts to tidy up and to rearrange the archive, continuing through Miles to the time when the present order was fixed in the mid-nineteenth century. The result, it may be said, is to give us the worst of both worlds, since these efforts have failed to rationalise the material while at the same time depriving us of evidence that might otherwise have been available as to exactly how Boyle arranged the papers himself. Those using the archive should beware of presuming that any grouping within it goes back to Boyle’s time; though in some cases it may, it is equally likely

⁶⁸Evelyn, *Diary and Correspondence*, iii. 350.

that it does not. Physical clues to Boyle's arrangement—such as original cover sheets—occur only rarely; even when they do, it is unclear whether they are still adjacent to the papers to which they were originally attached, while it is also disconcerting to find obviously extraneous material in the middle of otherwise coherent groups. All conclusions from juxtapositions within the archive should therefore be treated with extreme care.

Some of the stages in the process of reorganisation are apparent from the endorsements that appear on many items in the archive, which provide evidence of previous phases of classification, perhaps particularly that of Wotton. Wotton endorsed many items in his distinctive hand, which, as already noted, can be identified by comparison with documents by him in other archives. Just as he often wrote a brief summary of the content of the letters on their cover sheet, so he frequently identified items in the Papers on their last leaf. Some of his notes are quoted in the listing that follows, since the information that they contain is of value. Others give the equivalent in Wotton's words of the descriptions provided there. For instance, to take an example at random: "Latin Version of [the] two first Essay's in [the] first Volume of Usefulness of Experimental Philosophy" (BP 11, fol. 172v), or, more generally, "loose Notes Theological" (BP 4, fol. 89v).

Wotton also appears to have divided the material up into bundles, which were then often further classified "Philos." or "Theol.," though in other cases they simply had "B." (evidently for "Bundle"), as in "B.5 No 2" (BP 27, p. 314). A typical endorsement would thus read: "Ph[ilosophy] 8o No XVI" (BP 29, fol. 219)—that is, the sixteenth item in the eighth file of philosophy—or "Th. 8 No. V" (BP 6, fol. 220v)—that is, the fifth item in the eighth theological file. In addition, there is a further series of classifications in the form "C.21," which also appear to be by Wotton and which in at least some cases seem to supercede markings of the type just described. They perhaps reflect a further reordering of the material on his part during the lengthy period when he worked on the MSS. Unfortunately, since no inventory of the Boyle Papers by Wotton has been found, it is unclear what the rationale of his arrangement was. A further complication is that Wotton retained only part of the letters and papers, and we do not know what he selected, or how, and how the remainder were treated.

Just how directly Miles inherited Wotton's classification is unclear. That a degree of disruption occurred between Wotton's work on the collection and that of Miles may be suggested by Miles's complaints in letters to Thomas Birch and to the publisher of the 1744 edition, Andrew Millar, after he had received the manuscripts which had been in Wotton's hands in 1742. He found these, he claimed, "in utter confusion, tho' bundled up in form, with superscriptions, which made me imagine they were regular and perfect, till an examination of them undeceivd me"; subsequently he added how his work of extracting materials for the edition "took up much more time than otherwise it would by reason that Dr Wotton or some friend of his, had strangely confounded the papers, which I did not once imagine as they were bundled up in distinct parcels and titled, till I found it by an accident, this has obligd me to take the work to pieces again."⁶⁹ This may mean that the papers had been disorganised between Wotton's work and Miles's acquisition of them, or it may simply reflect false expectations on Miles's part as to what degree

⁶⁹Add. MS 4314, fols. 73, 76 (letters of 17 Nov. 1742, 3 Jan. 1743).

of order was appropriate: either way, it is indicative of the apparent disarray of the archive at this stage.

Miles's attempts at sorting are revealed by occasional endorsements in his hand, while we also have various inventories of the papers by him. As already noted, his interest was particularly in the unpublished part of *The Christian Virtuoso*, and his most intensive work appears to have been done on the theological component of the archive; thus the current arrangement of BP 1, in which a good deal of *Christian Virtuoso* material is to be found, clearly owes much to Miles, while in BP 3, fol. 147v, for instance, is to be found a note by him, "to be put in T," which evidently shows him at work sorting. The main inventory which survives (BP 36, fols. 157f.), suggests that Miles divided the material up into a series of bundles denoted by the letters of the alphabet, followed by a second series starting with "Aa"; a handful of cover sheets or slips so marked survive (for example, BP 26, fol. 100c; BP 38, fol. 82). On the other hand, the contents of the different bundles is often highly miscellaneous, combining transcripts from books and original material of Boyle's, and sometimes even juxtaposing theological and philosophical material; the list may reflect how Miles found the Papers as much as how he intended to leave them, not least since there is some evidence within the document of regrouping on his part. It is also unclear how much of the archive the inventory describes.

The present arrangement evidently reflects a further sorting. That the papers as currently arranged are often not as Miles left them is indicated by cover sheets marked by him as containing material which is no longer in that part of the archive at all (for example, BP 28, p. 412), while volume 5 contains a list in Miles's hand with some similarities to the current order but some differences from it (BP 5, fol. 112). It is also worth pointing out that material in Miles's hand which clearly originated together is now split between volumes 5 and 7. Possibly this may reflect further mishandling between Miles's work for the 1744 edition of Boyle's *Works* and the bequest of the archive to the Royal Society: that no system at all was apparent when the Society acquired it in 1769 is suggested by the fact that at a Council meeting on 17 May 1770 it was "Ordered that the Papers of Mr Boyle &c. lately presented by Mrs. Miles, be fixed in guard Books Chronologically, for their due preservation and use."⁷⁰ On the other hand, it is more likely that what was crucial was a decisive, fresh attempt at organisation at the time when the Papers were bound.

As has already been noted, this can be dated to the 1850s, and it was certainly at this date that the highly inadequate contents leaves that appear at the beginning of most volumes in the series were provided; these match the later of the two mid-nineteenth century sets of contents leaves to the Boyle Letters, thus showing that work on the two components of the archive proceeded in parallel. The author of these lists, as already noted in connection with the Boyle Letters, was the assistant librarian, Walter White; his journal, published by his son, gives a kind of Pooter-like view of the high culture of his day, and the author of this would certainly have been capable of the classification we now have.⁷¹ Apart from sorting the papers by size—with

⁷⁰RS Copy Council Minutes, vi. 75.

⁷¹William White, ed., *The Journals of Walter White* (London, 1898). It should be noted that, while the main contents lists are in White's hand, the additions in a more florid hand are by a later librarian, Hastings White, while those in a more angular hand, often including folio references, appear to be by a later one still, H. W. Robinson.

quarto material being separated from folio—they were also divided up according to subject matter into five rather artificial categories, “Theology,” “Science,” “Philosophy,” “Physiology,” and “Miscellaneous.” These were reified by being embossed on the spines of the volumes, and they have therefore been retained for reference purposes in the list that follows, but it should be made clear that they have only a very limited mandate from Boyle. Though it is true that in memoranda relating to his will, Boyle speaks of “oversight of my writings Theol[ogical] Philos[ophical] Chymicall, Medic[al] &c.” (BP 36, fol. 178; cf. *ibid.*, fol. 87), while in lists of his unpublished writings he tended to divide these into “Philosophical” and “Theological” categories, such distinctions were never very watertight. Moreover, the demarcation in the nineteenth-century classification between “Science” and “Philosophy,” evidently intended to separate experimental from theoretical material, is as characteristic of the nineteenth century as it is alien to Boyle. These titles should therefore be treated as the nineteenth-century period pieces that they are.

The ordering of the contents was also highly unsatisfactory. Papers on related topics frequently appear in quite different locations, as do sections even of the same manuscript. For instance, the Latin translation of *Seraphic Love* is to be found partly in vol. 3 and partly in vol. 6 (BP 3, fols. 151–60; BP 6, fols. 246–63), while a further example of an item being dispersed is provided by the “enquiries concerning electricity” of which an incomplete fragment in BP 22, pp. 197–9, was published by M. B. Hall on pages 252–5 of her *Robert Boyle on Natural Philosophy* (1965); though hitherto unnoticed, the remainder of this text survives as BP 38, fol. 120. That the sorting prior to binding, and the supervision of the binding itself, was rather casually carried out is shown by the commonness of leaves being bound up in the wrong order. The most notorious case of this concerns the tract on the “Atomical Philosophy” which R. S. Westfall published. Westfall mistakenly believed that the item was incomplete and broke off after the first two leaves, whereas in fact the whole of a longer tract survives, bound up in the wrong order.⁷² This can easily be paralleled elsewhere in the collection, however, as will be seen by piecemeal references in the listing that follows.

Lastly, there is the issue of completeness. It is clear, as with the Boyle Letters, that a significant part of the archive is now lost. On his initial receipt of the papers that had been in Wotton’s hands, Miles was apprehensive concerning “an ill looking hole in the corner of the box (which seems to have been made by some rat).”⁷³ That losses occurred between Wotton’s time and Miles’s is shown by the fact that Miles sometimes drew attention to items which Wotton’s endorsements referred to but which could no longer be found: for instance, “NB the 1st wanting but Wotton sais an Entire discourse” (BP 36, fol. 146).

In addition, it is clear from the Miles inventories (BP 36, fol. 157f.) that much interesting material has disappeared since the time when they were made. A few easily identifiable items may be instanced to illustrate this, apart from the catalogue of Boyle’s library which has already been referred to. For instance, we have such items as “Of the Fuel of the Solar Fire. A Conjectural Discourse. Mr B[oyle’s] autog[raph]”; or “Concerning the Comet of 1680”; or Peter Nelson’s queries to Boyle concerning his *Free Enquiry into the Vulgarly Receiv’d Notion of*

⁷²BP 26, fols. 162f.; Westfall, *Ann. Sci.*, 12 (1956), 111–3.

⁷³Add. MS 4314, fol. 69.

Nature; or a text by John Beale on the art of flying, dated 3 June 1665; or notes on visions in Prague in 1655; or on experiments by Henry Power in 1653. There were also various documents concerning current affairs which are no longer extant. It may be that transcripts and the like seemed the most dispensable items in the archive, which have therefore been disposed of to a disproportionate extent. But, quite apart from the amount that can be learnt about a man like Boyle from his ownership of such items, it is unlikely that Miles or anyone else succeeded in a neat act of surgery of peripheral from core material, discarding the former while retaining the latter. Moreover, if easily identifiable items like these are certainly not now present, the implication is that the same is equally true of smaller and less easily distinguishable items. Hence, though a profusion of positive conclusions can be reached from the material in the collection, negative ones should be treated with a degree of circumspection.

It is possible that some of the losses were due to a mistaken belief on Miles's part that anything that had lines drawn through it and was marked "Tr[anscri]bd" must either already be in print or must survive elsewhere in the archive. His memoranda seem to imply that he saw such material as almost dispensable, asking himself in one, for instance, "whether Papers said to be transcribed are useless or whether printed" (BP 36, fol. 167). In fact, however, it is clear that many texts so treated only survive in this transitional form, the location to which they were subsequently transferred having since disappeared. This unprepossessing-looking material therefore provides a rich source of evidence concerning the composition of Boyle's writings, which, insofar as Miles did not discard it, is still available in profusion in the archive.

Such losses as were not due to Miles himself are perhaps most likely to have occurred during the period when the papers were in the hands of Miles's widow, though, since no inventory of the papers was made when they reached the Royal Society, it is not impossible that a few might have gone astray thereafter, particularly during the Society's move to premises at Somerset House, which occurred in 1780; it is also said that the archives were "badly neglected" in the early nineteenth century.⁷⁴ What seems fairly clear is that the shape of the collection was "fixed" in the 1850s when it was bound into its current volumes—though foliation often occurred only later, sometimes not until the 1980s. By definition, nothing has been lost since that point, and only one item appears to have been added to the collection, the last item in BP 41, which has a modern cover sheet and was not noted on the nineteenth-century contents leaf; it had presumably gone astray and was evidently inserted here (the last folio volume in the series) after coming to light at some later date.

Dating and Handwriting

As with their arrangement, the letters present little problem from the point of view of dating: many are clearly dated, or dateable by their contents, and only a minority lack any clues of this kind. Within the series, quite a wide chronological range survives, despite the losses already referred to. Indeed, as will be seen, dated examples of letters from Boyle in this part of the archive provide a valuable clue for assigning dates to material elsewhere in the collection.

⁷⁴M. B. Hall, *All Scientists Now* (Cambridge, 1984), 71.

Most of the notebooks and other discrete manuscripts are also relatively easy to date, since many seem to have been composed or used at specific times. One group are the bound volumes of Boyle's early writings, the two versions of his *Aretology* and related items (MSS 192 and 195–7). Of the rest, the bulk date from Boyle's later years, as is clear from internal dates within them. For instance, MS 187 has dates of 1689, 1690 and 1691 (fols. 3, 91, 97, 141–2); MS 189 of 1689 (fol. 1X); MS 190 of 1684 and succeeding years to 1690; and MS 191 of 1688 (fols. 1–2). In addition, a number of the notebooks—including MSS 185–6, which lack such internal datings—contain draft material for treatises by Boyle which were published in his later years. These include *A Disquisition about the Final Causes of Natural Things* (1688), *Medicina Hydrostatica* (1690), *The Christian Virtuoso* (1690), *Experimenta et Observationes Physicae* (1691), *Medicinal Experiments* (1688–94) and *The General History of the Air* (1692). On the other hand, two of the notebooks, MSS 198–99, which are of a distinctive, larger format from the rest, appear to date from earlier in the 1680s, or even from the late 1670s, including material relating to such works as *Experiments and Considerations about the Porosity of Bodies* (1684), *Memoirs for the Natural History of Human Blood* (1684), the discourse concerning “the Insalubrity and Salubrity of the Air” appended to Boyle's treatise on *Languid and Unheaded Motion* of 1685, and the *Free Enquiry into the Vulgarly Receiv'd Notion of Nature* (1686).

There are various possible explanations for the disproportionate survival of items from the later part of Boyle's life. One might be that Boyle only started keeping notebooks at this time. Another is that he had always kept such books, and that these ones survive because they were still in use at the time of his death—some of them, indeed, not filled up, with blank pages left at the centre (it should be explained that Boyle habitually began the notebooks from both ends, writing in towards the middle until the two halves met). The hypothesis that the extant volumes represent the residue of a longer series is supported by the nature of such earlier notebooks as survive, which appear to have been retained because of data which they included—experimental results, recipes, or weather notes; those that fall into this category are MSS 41, 43, 188, 193 and part of 194 (in this case, having originally been used in 1668, it was reused later, c. 1680).

The part of the archive which offers at once the greatest challenge and the greatest opportunity in terms of dating are the Boyle Papers themselves. Hardly any items in this collection bear any form of date, and there is therefore a pressing need for some means of making chronological distinctions within this great mass of material.⁷⁵ In some cases, a *terminus ante quem* is provided by the fact that material to be found here in draft form later appeared in print: an example is provided by the various drafts for parts of the *Free Enquiry into the Vulgarly Receiv'd Notion of Nature* in the archive, which are referred to in the list that follows and of which Edward B. Davis and I are preparing a study. In a case like this, the fact that manuscript versions must have preceded publication is in itself of relatively little assistance, since in principle the items could have been composed at any earlier date over a period of some thirty years. It is more helpful with treatises published earlier, as with the first volume of *The Usefulness of Experimental Natural Philosophy*, published in 1663, since this means that any surviving drafts for that book must be of earlier date. This is a particularly useful clue, since a

⁷⁵It is perhaps worth noting here that, although I initially investigated the possibility that the watermarks to the paper used might provide dating clues, this did not prove a particularly fruitful avenue of enquiry and was therefore not pursued.

good deal of manuscript material which is clearly related to this part of *Usefulness* does survive; what is more, it is in two quite distinctive hands, one a rounded, the other a more angular italic: for examples, see respectively BP 3, fols. 96–7, and BP 9, fol. 211. Since it is generally accepted that the bulk of *Usefulness* was composed during the 1650s, these hands almost certainly date from approximately that period; they are therefore referred to below as “1650s” hands. This is not intended to preclude the possibility that the scribes in question may have continued to work for Boyle for longer, perhaps into the early 1660s, but nevertheless we do seem to have here a relatively early stratum in the archive.⁷⁶ What is more, it is reasonable to deduce that material in these hands is of much the same date even when it is from works other than *Usefulness*: hence an important dating clue is here established.

As this illustrates, by far the most important means of dating material in the archive is by careful study of its handwriting, since, once a handwriting can be identified and the period when its author was associated with Boyle established, other examples of the same hand can be presumed to be of a broadly similar date. Yet it is suprising how little attention has hitherto been paid to the handwriting of the material in the archive, except for the recognition of the hand of perhaps the commonest of Boyle’s amanuenses, Robin Bacon. Indeed, opinions have even differed as to which hand is Boyle’s own and which are those of his amanuenses, as we shall see. It therefore is necessary here to go in some detail into the various handwritings to be found in the archive, and particularly the different dates from which they derive. A soundly based series of distinctive hands attributed to different dates would provide a key to unlock the various chronological “strata” which exist within the collection and hence greatly enhance its value for those interested in the evolution of Boyle’s thought.

The material can be divided into two categories, that written by Boyle, and that written by others, particularly by his numerous amanuenses. From his early years, there is a good deal of material in Boyle’s own hand, a distinctive spiky italic, here described as “early Boyle”: for an example, see BL 1, fols. 109–110.⁷⁷ At some point in the 1650s, this hand matured into an equally distinctive “later” hand, here described simply as “Boyle”: an example will be found in BL 1, fols. 112–14. This mature hand appears to undergo no clear chronological pattern of change over the remainder of Boyle’s life; though it displays some variation, being sometimes more robust and sometimes more decrepit, this appears to reflect Boyle’s varying state of health at different points and not a linear decline from good to poor health which has any value as an aid to dating. In any case, this later hand is more often encountered making alterations or adding brief passages than writing whole sections of text, since from the 1650s onwards Boyle almost entirely delegated his writing activity to amanuenses, whom he had previously used only for occasional tasks. Indeed, there can be few archives with as little material in the hand of their originator as is the case with Boyle’s, and it is to the bewildering range of amanuenses’ hands that we must now turn. Clearly, it is desirable to establish as much as possible about this group of

⁷⁶That this is the case is suggested by the occasional juxtaposition of these hands with hand D, datable to the early 1660s, on which see below. A specimen of the first of these hands from Add. MS 32093, fol. 396, is reproduced in T. J. Brown, “British Scientific Autographs, 2: Robert Boyle,” *The Book Collector*, 13 (1964), 487, where it is wrongly taken to be Boyle’s own hand.

⁷⁷For further instances, see BL 1, fols. 116–7, 118, 135–6, 137–8, 143–4, 146–7, 162; 6, fols. 3, 66–7. It should be noted that, since most of the content of the Boyle Letters is holograph, no details of handwriting are given in the catalogue: instead, information on the handwriting of “Boyle” items will be given in this Introduction.

assistants—identifying them either by name or at least by handwriting, and attempting to establish the period at which they worked for Boyle.

The first amanuensis whose script it is possible to identify is the earliest. The handwriting in question is quite distinctive, a sharply sloping italic which is used for various letters from Boyle in the late 1640s: for an example, see BL 1, fol. 103.⁷⁸ It also appears in two brief sections of the text of Boyle's *Aretology* (MS 195, fols. 54v–5 and 56v–7), the remainder of which is in Boyle's own early hand, and in BP 7, fol. 290v, a passage written at the end of another early treatise by Boyle. A clue to the identity of its author is provided by the latter, which comprises draft material including a petition by one "John Jay": there seems no reason to doubt that John Jay was the name of an amanuensis who worked for Boyle in the early part of the Stalbridge period.

Moving to the other end of Boyle's life, we come to a further group of assistants whose handwriting is distinctive and to whom it is possible to give names. The first is the amanuensis whom Boyle used more than any other in his later years, whose name has been familiar since the time of Henry Miles: Robert Bacon, familiarly known by Boyle as "Robin."⁷⁹ The identity of Bacon is clearly established by a signed note from him to Boyle's friend, Sir Robert Southwell, from whom he evidently hoped to obtain similar employment (Illustration 1). After transcribing a recipe, dated 23 August 1692, he added the following note, signed from "Whites ally in Chancery Lane at the Crown": "Honor'd Sir. I am afraid I shal not light of so constant a friend as the Honble. Esqr. Boyle, which I find by Experience[,] let me have what kindnes your Honor think fit, if not—I must wait on Providence, til a further Light." Accompanying this is a list of thirty-seven titles that Bacon had transcribed for Boyle, to which he added: "But there are several other Papers of my writing, that is [sic] in the hands of the Perusers. besides some thousand of Receipts, the Titles of them take up some sheets of Papers," concluding: "I humbly thank your Honor for your Kindnes to me this day."⁸⁰

Bacon's hand recurs frequently both in the notebooks and the Boyle Papers; it is also found in a number of transcripts and drafts in the Boyle Letters (BL 1, fols. 107–8 and 130–1; BP 6, fols. 53 and 97–8), while a specimen of Bacon's hand, dated 1685, survives among the Royal Society's Classified Papers, xi(1)31. Bacon was obviously working for Boyle at the end of his life, but when he started is less certain. He was clearly already working for Boyle in the late 1670s, when his hand is used for notes on interviews between Boyle and the entourage of the Imperial ambassador, which are undoubtedly virtually contemporaneous. Conversely, though items whose date of composition appears to be before c. 1675 are occasionally found in Bacon's hand, these seem to be later copies, and he probably began working for Boyle sometime in the 1670s. It should be pointed out that there are two variants of Bacon's hand. In addition to the neat, rounded script which is most distinctive, there is also a much rougher version, clearly written at haste to dictation, which is particularly in evidence in the notebooks; for an example of this, see BP 9, fol. 38.

Another amanuensis to whom a name can be given is Hugh Greg, a laboratory assistant and amanuensis whom Boyle mentioned in his will, and who in 1691 published a book called

⁷⁸See also BL 1, fols. 120, 122–3, 124, 128, 141–2; BL 6, fols. 1–2.

⁷⁹For Miles's identification, see Add. MS 4229, fol. 66.

⁸⁰Royal Society Southwell Papers, nos. 8–9.

*Curiosities in Chymistry: being New Experiments and Observations Concerning the Principles of Natural Bodies. Written by a Person of Honour and Published by his Operator, H.G.*⁸¹ Here, the crucial clue to identification is provided by a power of attorney signed by Boyle on 10 March 1682/83, which now survives among the Lismore Papers at Chatsworth (MS 33, fol. 110) (Illustration 2). This was witnessed by Greg along with two other servants of Boyle, and comparison of the signature with material in the Papers makes it clear that Greg's is the slightly idiosyncratic hand which is frequently found both in the notebooks and in the Papers, and which also appears in two items in the Boyle Letters—BL 1, fols. 145 and 148.⁸² It comes in two varieties, one slightly more formal than the other, but that both are by the same author is confirmed by their juxtaposition in BP 21, pp. 191f. There are various clues concerning the period when Greg worked for Boyle, apart from the Chatsworth document: an item in Greg's hand which Boyle deposited with the Royal Society and which survives as Classified Papers iv(1)48 is dated 1686, while the items in this hand in the Boyle Letters which have already been referred to date respectively from 1682 and 1689.

Another of the signatories to the 1683 power of attorney now at Chatsworth was Thomas Smith, a servant of Boyle's, who, according to Thomas Birch, "lived seventeen years with Mr Boyle, and was with him at his death"; he, too, was left a bequest by Boyle in his will.⁸³ We have already seen how Smith, who later practiced as an apothecary, became executor to John Warr junior, the servant who became Boyle's executor after his death, on Warr's own death in 1715. Collation of Smith's signature in the Chatsworth document with material in the archive suggests that Smith is responsible for the legible hand, distinct from, and slightly cruder than, that of Bacon, which appears in certain of the notebooks, perhaps particularly MSS 185 and 191, and which is also to be found among the Papers. For an example, see BP 1, fol. 66.

The third of the signatories to the Chatsworth power of attorney was John Warr junior himself. Warr's signature is also to be found in BP 36, fol. 38, while a distinctive specimen of his hand is provided by the catalogue of his books in MS 23, which has already been referred to. It is clear that Boyle used Warr extensively in his later years, both for general clerical work and for correspondence. Warr's hand recurs frequently in the Boyle Papers, for instance in the extensive theological notes in volume 3 and the thesaurus materials in vol. 35. In addition, various drafts and copies in Warr's hand survive among the Boyle Letters (for an example, see BL 1, fols. 105–6),⁸⁴ while Warr also wrote letters which, signed by Boyle, were actually sent out and which survive in the collections of their recipients. An example is the series of letters from Boyle to Narcissus Marsh, which appeared at Christies, London, in 1989 and 1991. Warr probably started working for Boyle in the 1670s; the earliest example of what is apparently his work in the Boyle Letters dates from 1673 (BL 6, fol. 38; cf. fols. 58–9 [1677]). Warr's hand varies in form from quite a neat italic to a rough running hand, probably written at speed to dictation. For a typical example of this, see BL 1, fols. 139–40; one distinctive feature linking both types is the crooked form which Warr used for a capital "V."

⁸¹Maddison, *Life*, 262.

⁸²A further clue to identification is the fact that the initials "H.G." appear beside a passage in this hand in MS 198, fol. 18.

⁸³*Works*, i. ii; Maddison, *Life*, 260.

⁸⁴See also BL 1, fols. 132–3, 139–40, 149–50, 160–1; 6, fols. 26, 38, 52, 58–9, 68–9, 93–4.

Augt. 23. 92

℞ Galbano dissoluto alo vino ciongonendo
olio de camomilla. olio de ambole dulce, —
olio de pignole olio de gigli bianchi et olio
de termina configili con uno poco de cera
bianca & ne untariti per doý volte lo di lo
actinto: et noe poneriti soora una cotica de
lardo de scrofa untata de termina & da
sopra la cotica noe ligariti stoppa de cana
po continuando quisto ordine p deci di, dapo
lauariti lo male con vino caldo & ce meche
riti mele loto & rose: dapo piglia: de mele
comune ℥ij. termina ℥iv. dialtera ℥ij. filigrea
pistati ℥ij. desementa de sinapi ℥ij. de uolo
arminio ℥ij. & fariti bollere tucte queste cose
con lo mele, dapo caldo quanto lo. ca: po
sofferir lo stendite sopra uno pano & poin:
tilo sopra lo actinto mutandolo omni di
p octo o dece di.

Honor'd S^r.

I am afraid I shal not light of so constant a —
friend as the Honble Esq^r. Boyle, w^{ch} I find by Experience
let me haue w^t kindness yo^r Honor think fit, if not —

I must wait on Providence, til a further Light.

Whiles ally in chancery Lane .
at ye. Crowe.

Hon^{or}'d S^r. yo^r humble
S^{er}u^t. Rob^t Bacon.

Illustration 1. Italian recipe transcribed by Robert [Robin] Bacon and dated 23 August 1692, together with a note from Bacon to Sir Robert Southwell. Royal Society Southwell Papers, no. 8

Know all men by these presents that of the Hon^{ble} Robert Boyle
 of the Parish of St Martin in the fields in the County of Middle
 Essex for diverse good causes & considerations mee hereunto com-
 moving have made ordeained constituted and appointed and in
 my stead and place putt and by these presents doe make ordeaine
 constitute and appoint and in my place & stead putt Capt John
 Smith of Ballycorragunny in the Kingdome of Ireland, Garrett
 Roche of Lisemore in the County of Waterford Gent Robert Harris
 of Ondon in the said Kingdome Gent or any two of them or
 survive my true and Lawfull Attorneys for mee in my
 name and to my use, Joyntly, to aske demand & recover for recover
 and receive all Arrears of Rent that are now due and owing to
 mee by and from all every or any of my Tenants for any of my
 Messuages Lands Tenements or hereditaments Situate lying &
 being in the Province of Connaught in the Kingdome of Ireland
 & for mee in my name and to my use in the best manner they
 can to Compound for such of the said Arrears as they cannot fully
 Recover and Receive & upon receipt to make & give acquittances
 Releases and discharges for the same and for mee and in my name
 to Let or sell my said messuages Lands Tenements & hereditaments
 or any part or ycell thereof to any Person or persons whomsoever
 to whom they or any two of them survive my shall thinke convenient
 for any Terme or Termes of yeares not exceeding in the whole
 the Terme of one & Twenty yeares at & under the best & y reatest
 Rents that they can obtaine for the same without taking any
 fines & I hereby doe & will Ratify & Confirm all and whatsoever
 my said Attorneys or any two of them surviving shall Lawfully doe or cause to be
 done in or about the Execution of the premises by vertue of
 these presents witness my hand and seale this Tenth day of
 March Anno Domini 1682 Anno Regis Caroli Secundi 22^o

Sealed and delivered
 in the presence of
 (the words (my said
 Attorneys) being first
 added in the margin)

Ro Boyle

Jo: Warr.
 Hugh Greg
 Tho Smith

Illustration 2. Power of Attorney from Robert Boyle to John Smith, Garrett Roche and Robert Harris to lease his lands in Connaught, 10 March 1682/83. Signed by Boyle and witnessed by John Warr, Hugh Greg and Thomas Smith. Chatsworth House, Lismore MS 33, fol. 110

Here, "Warr" may be taken to mean the John Warr whose employment by Boyle up to the time of his death was crowned by his executorship. In addition, however, it should be noted here that the hand of another John Warr also appears in the archive, that of his father: this is consistently hereinafter referred to as "Warr sen." to differentiate it from the hand of his son. While the younger man's relationship with Boyle is clear, that of his father is slightly less so; he perhaps came into contact with Boyle through his son.⁸⁵ Be that as it may, there can be no question of the identity of his handwriting, which is clinched by the fact that the manuscript of a book which was subsequently published as having been written by "J.W." and which is identified as being by him in the Warr library catalogue,⁸⁶ a translation of Otto Tachenius's *Hippocrates Chymicus* and his *Clavis* (London, 1690), survives as BP 32. Further examples of this hand comprise Latin translations of books defending Edward Stillingfleet against Roman Catholic attacks (BP 6, fols. 78f.) and other complete texts, including the manuscript of a further unpublished book of Warr's own in addition to the Tachenius translation (BP 45); there is also what is evidently a dismembered notebook of Warr's in BP 42, fols. 183–213. It should be noted that some or all of these items may have no connection with Boyle; they could be present in the archive because they were among the papers of the younger Warr at the time of his death and were mistakenly included with Boyle's when these were transferred via Thomas Smith to Henry Miles.

Another identifiable hand is that of one of Boyle's laboratory assistants who went on to become an active natural philosopher in his own right, Frederic Slare.⁸⁷ Elected Fellow of the Royal Society in 1680, Slare thereafter made a number of presentations of experimental findings, the holograph texts of which survive among the Society's Classified Papers. A collation of these items with material in the Boyle Papers makes it clear that Slare's hand appears frequently in the latter collection. As with the younger Warr, there are two characteristic varieties of Slare's handwriting. One is a fairly spiky italic, seen in Cl.P. xi(1)22–26 and 30; the other is more of a running hand, seen in Cl.P. xi(1)29, 32–35 and 39. Both are frequently encountered in the Papers, perhaps particularly in connection with experimental notes, though also for more general material. In addition, much of MS 188 is in Slare's hand. This is one of the somewhat earlier items which survives among the notebooks, in this case dating from the early to mid 1670s, and it appears to have been in this decade that Slare worked for Boyle.

Another figure whose characteristic handwriting is to be found among the Boyle Papers, providing copies of papers by other scientists and, sometimes, Latin translations of Boyle's works, is Henry Oldenburg, Secretary of the Royal Society; Oldenburg's hand is also to be found in the Boyle Letters, for example BL 3, fols. 129–32. Oldenburg died in 1677, and this provides a useful dating clue, since by definition no manuscripts written or endorsed by Oldenburg can be later than that date. Other Latin translations of Boyle's works are in the hand of another identifiable figure, Thomas Ramsay, as is confirmed by an endorsement to one of them, evidently in Boyle's hand: "Final Causes. Translated by Mr Ramsey" (BP 24, p. 588). Ramsay's hand is also found in letters from him in BL 5, fols. 1–8, while in 1686 he signed a paper in which he identified himself as "a Lithuanian," thanking Boyle for his patronage and discharging him from

⁸⁵See a letter from him to Boyle, now BL 5, fol. 176.

⁸⁶See Harwood, *Essays and Ethics*, 249.

⁸⁷See M. B. Hall, "Frederic Slare, F.R.S. (1648–1727)," *Notes and Records*, 46 (1992), 23–41.

debts “from the beginning of the world to the date hereof” (BP 41, fol. 123). Ramsay must have begun his work for Boyle before Oldenburg’s death, since one translation by him—the relatively early date of which is suggested by its abnormally small script—is heavily endorsed in Oldenburg’s hand and perhaps represents a fruit of Ramsey’s apprenticeship: BP 25, pp. 19f. (That this hand is Ramsay’s, although smaller than his “normal” hand, is shown by their juxtaposition in BP 25, pp. 185f.) He appears to have continued to work for Boyle for the rest of his life: the latest work that he translated was *Experimenta et Observationes Physicae*, published in 1691.

Smaller groups of material in the handwriting of identifiable individuals include material by Frederick Clodius, Samuel Hartlib’s son-in-law and an early contact of Boyle’s (e.g. BP 34, pp. 239f.); colleagues like the mathematician, John Wallis (for example, BP 41, fols. 22f.); the virtuosi, John Beale and John Evelyn (for example, BP 19, fols. 36f.; BP 26, fol. 141); Boyle’s one-time employee, Robert Hooke (BP 10, fol. 116); and a variety of others, whose names are given in full at the appropriate point in the catalogue. It is highly likely that examples of handwriting which have not been identified also fall into this category and that definite attributions will be able to be made in due course.

We then move on to handwritings which are distinctive, but to the authors of which it is unfortunately currently impossible to give a name; these will therefore be denoted by letters of the alphabet. It is to be hoped that subsequent research will rescue at least some of these worthy figures from anonymity, since they arguably have as much claim to our attention as the laboratory assistants to whom Steven Shapin has recently drawn attention.⁸⁸ However, although these scripts cannot be attributed to a named individual, they can often be dated, and hence important and hitherto neglected evidence is available as to the period at which material was composed. In particular, the great desideratum is to identify hands dating from the intermediate period between the later part of Boyle’s life, from which the bulk of hands listed so far emanate, and Boyle’s early years, when, despite employing John Jay, Boyle seems to have written a high proportion of his manuscripts himself. This matter therefore deserves careful scrutiny.

First we have two amanuenses who were apparently being employed by Boyle c. 1680. One is responsible for various passages in the Papers and notebooks, including a few passages in MSS 198–99, which, as already noted, appear to date from c.1680: for an example of this hand, see MS 198, fols. 142v–5. A further clue to the date at which the amanuensis in question was being employed by Boyle is provided by the fact that, among the items in this hand found in the Papers is an account of an interview with Lord Tarbat, dated 3 October 1678, BP 39, fols. 216–7. This is identified in the catalogue that follows as hand A. Secondly, there is an amanuensis who wrote a letter on Boyle’s behalf dating from October 1679 which is now BL 1, fols. 152–3. The same hand appears quite frequently in the Boyle Papers and will hereafter be referred to as hand B. Its dating is confirmed by the fact that it is found adjacent to material in Greg’s hand in BP 28, p. 113.

Further important clues are provided by a group of items associated with Boyle now to be found in the Royal Society’s Early Letters, EL B 1. These comprise (1) a series of leaves endorsed “Imperfect Papers of Mr Boyle” (B.1.80), and (2) a series of letters from Boyle to

⁸⁸“The Invisible Technician,” *American Scientist*, 77 (1989), 554–63.

Oldenburg, all dating from the early 1660s (B.1.82–101) (after 1665, the sequence of letters from Boyle ceases, presumably because they were returned to him: why these ones escaped is unclear).⁸⁹ Taking the former first, the bulk of this material is dateable by its content, while a definite terminus ante quem for the papers is provided by the fact that their versos have been reused by Oldenburg for notes on a French book published in 1677. Their content shows that they derive from the early 1670s. The text of fols. 172–3 is to be found in printed form in Boyle's "Hydrostatical Discourse," the response that he published in 1672 to Henry More's *Enchiridion Metaphysicum*, which was itself published in 1671 after having been completed in 1670; this therefore provides a tight delimitation for the possible date at which the manuscript could have been written.⁹⁰ Fols. 168–71 form part of the text of Boyle's "Continuation of the Experiments about Fluids" published in *Philosophical Transactions* in 1676.⁹¹ Fols. 168–71 are in the running hand of Slare, who we have already seen was working for Boyle in the 1670s. Fols. 172–3 are in a second hand, a distinctive, angular hand, which occasionally appears in the Papers, hereafter called hand C.

The last of these items, B.1.80-(fol. 174) is a single "Experiment" which has not been traced in any of Boyle's published works and the date of which is therefore unclear. This is written in an italic hand which is paralleled in the second series of Boyle items in EL B 1, the series of letters to Oldenburg already referred to. Two of these, nos. 81 and 83, dated respectively 29 Oct. 1663 and 14 June 1665, are in the same italic; hence this appears to be the hand of an amanuensis whom Boyle employed at about that time. Though this hand was thought by Henry Miles to be Boyle's own (BP 3, fol. 109), this is not possible, since letters in this hand have sometimes been corrected in another hand which is certainly Boyle's (for example, EL B.1.81v). (It should be added that, since these letters must have been received by Oldenburg soon after they were written and then retained at the Royal Society ever since, it is not possible to suggest that we have examples of Boyle's handwriting of two different dates.) This hand has been identified below as D; it is also to be found in the Boyle Papers, and that it dates from the 1660s is confirmed by the fact that a section in it (BP 18, fols. 127–8) is dated 1662.⁹²

More significant still is the principal hand represented in these letters, EL B.1.82 and EL B.1.84–101, letters dating from November 1664 and from 20 June to 23 December 1665. This is a distinctive hand, which is frequently found among the Boyle Papers; that the amanuensis responsible for it was employed by Boyle in the 1660s is confirmed by the fact that material in it occasionally contains dates from that decade (for example, BP 30, pp. 507f.), while BP 19, fol. 184, which is partially in this hand, was endorsed by Oldenburg as received by him in 1668. The same hand is also found in the Boyle Letters in drafts/copies dating from the 1660s (BL 1, fols. 126 and 154 [opening section]); for further examples, see Classified Papers iv(1)15, 20 (dated 1666–7) and xvii, 9 (dated 1668). Though this hand has sometimes been identified as Boyle's

⁸⁹See Maddison, "Summary," 100–1. For Boyle having letters to Oldenburg in his possession at the end of his life, see p. xvii.

⁹⁰Boyle, *Works*, iii. 596f.; cf. Steven Shapin and Simon Schaffer, *Leviathan and the Air Pump* (Princeton, 1985), 214. I am indebted to Ted Davis for help in identifying this material.

⁹¹*Phil. Trans.*, 11 (1676), 775–87; Boyle, *Works*, iv. 354f.

⁹²See also BL 1, fols. 158–9 (1662); Cl.P. xv(1)9 (1663); xvii. 9 (1668).

own,⁹³ this is clearly mistaken, since some of the letters in Early Letters B 1 which are in this hand have been corrected by Boyle. This hand is hereafter identified as hand E.

A further distinctive hand found in both the Boyle Letters and the Boyle Papers and which clearly dates from the 1660s has here been called Hand F. A good example of this is provided by Boyle's copy of the letter that he wrote in 1666 to Henry Stubbe concerning Valentine Greatrakes, the Irish "stroker," and the questionnaire that he drew up concerning Greatrakes's activities (BL 3, fols. 23f.).⁹⁴ There can be no doubt that these items date from the period to which they refer rather than being later copies; ancillary dating clues include a copy of a letter in this hand dated 26 August 1665 (BL 6, fol. 19), while BP 8, fols. 1–2, another item in this hand, must date from before 25 April 1666, when Oldenburg endorsed it. Hand F is also often found interspersed with hand E, as in BP 8, fol. 84 (where both are dated 1665); BP 10, fols. 103v–4; BP 23, pp. 557f.; BP 25, pp. 392–3; BP 26, fols. 193–4; and BP 27, pp. 6f. (dated 1659/60). Again, we seem to have a hand of Boyle's middle years.

Certain other hands may be identified as dating from the same period as hands E and F because of their juxtaposition with them and/or because of the appearance in documents written in them of dates of this period. One such hand is a slightly angular italic, here described as hand G, of which an example is found in BP 3, fols. 85–6. This is interspersed with hand E in BP 17, fols. 165–7, BP 27, pp. 29–30, and BP 36, fol. 81. A further hand which belongs to this group is here called hand H: for an example, see BP 10, fols. 80v–81. This is contemporary with hand E in BP 20, pp. 335f., while in BP 22, pp. 33f., it is dated to the early 1660s. Thirdly, there is a very spiky italic, here called hand J: for an example, see BP 8, fol. 172. In BP 19, fol. 184, and BP 27, pp. 19–22, this is juxtaposed with hand E, and in both cases there are dating clues; the latter refers to dates in 1659, while the former is endorsed by Oldenburg as being received on 28 February 1668. Fourthly, we have hand K, a very distinctive small, rather square hand: for an example see BP 8, fol. 149. This is interspersed with hand J in BP 27, pp. 19–22 and 363, and in BP 28, p. 335, it is juxtaposed with hand E.

As already noted, all the hands described in the previous paragraphs appear to date from the 1660s. Though the date at which Boyle ceased to use the amanuenses responsible for them is unclear, it may be significant that almost all the dated specimens of their work date from c. 1659 to c. 1670: it seems quite likely that these were scribes who worked for him while he was living in Oxford, a possible terminal point for the activities of at least some of them being provided by Boyle's move to London in 1668.

Lastly, there are a few hands which are distinctive enough to be identified; it has, however, so far proved impossible either to date them or to discover who was responsible for them. Two of these are hands in which a number of the Latin translations in the archive appear; these are here described as hands L and M, and examples of them may be seen respectively in the first items of BP 11 and BP 6. The translations which are in these hands are predominantly of works dating from the 1670s and 1680s, though some of the writings involved were published as late as 1690–91, while some are earlier, the earliest (in the case of hand L) being *Seraphic Love* (1659).

⁹³Maddison, *Life*, plate 17, where it is described as Boyle's "mature letter-hand." See also M. B. Hall in *Notes and Records*, 41 (1987), 113 (in fact, the item in question is corrected in pencil by Boyle, thus again confirming the attribution given here).

⁹⁴Miles wrongly considered this, too, to be Boyle's hand: cf. his note to BL 2, fol. 63.

Lastly, there is a hand which is similar to Bacon's hand but which, after much deliberation, I have decided is more likely to be the hand of a separate scribe than a further variant of his: certain Latin translations appear in this hand, while it is also used for the material transcribed from the Royal Society Register Books in BP 20. This hand is here referred to as hand N: for an example see BP 11, fols. 40f.

Various caveats are in order about such identifications. For one thing, though all the hands noted here are distinctive enough to be identified with some confidence, there are others which appear to represent the work of amanuenses employed more briefly at different points in Boyle's life. Confident identifications of hands that fall into this category are much more difficult. Moreover, there are grey areas even to the main identifications. Some of these have already been referred to, as with the hand similar to Bacon's but distinct from it which has just been described. Where I am less than normally certain of an identification, I have inserted a query, and, though this may appear pedantic, I hope that it will enhance readers' confidence in the identifications which lack such qualification.

Subject to such provisos, however, it is important to stress what an important and hitherto unexploited tool in understanding Boyle such dating evidence from handwriting provides. Indeed, it would not be going too far to assert that the analysis presented above represents a crucial breakthrough in the interpretation of the material in the archive, giving clues to the stages of Boyle's composition of texts often virtually for the first time. An illustration of the importance of this evidence for identifying strata within the Boyle Papers is provided by Boyle's writings on miracles, a substantial selection of which was published by Rosalie Colie. While Colie was unaware that handwriting might be used for purposes of dating, in fact it provides crucial clues in the context of her study, not least since the two principal groups of handwriting identified here—those of scribes employed during Boyle's later years and those employed in the 1660s—fall on either side of the key date in her argument in the form of the publication of Spinoza's *Tractatus* in 1670. Though most of the material is in Bacon's hand, and hence copied if not composed in Boyle's later years, certain items are in hands from the 1660s group outlined above. Clearly, this material needs to be re-examined to discover how far there are conceptual or other differences between the material of pre- and post-Spinozan date. For instance, it could be significant that one of the early papers is concerned with an issue which the Spinoza controversy might have seemed to render tangential, namely the issue of how to tell diabolical from divine miracles.⁹⁵ In this and other cases, exciting possibilities exist which cry out for exploitation.

Contents

Letters

By definition, the archive of an individual is likelier to contain letters that he received than ones that he sent, and such items make up the bulk of the Boyle Letters. The result is that one of the strengths of the archive is its lengthy series of incoming letters to Boyle from a wide range of correspondents, both at home and abroad, dating from the 1640s to the time of his death. Figures

⁹⁵For the early documents, see BP 3, fols. 109–110; 7, 120–3; Colie, "Spinoza," 217–8, 218–9. On the other hand, for reasons why Boyle might have continued to see this as a significant issue, see Hunter, "Alchemy, Magic and Moralism," (n. 17).

represented include churchmen like Bishops Thomas Barlow and Gilbert Burnet, fellow natural philosophers like John Beale and Robert Sharrock, Oxford scholars like Edward Bernard and Thomas Hyde, and eminent figures in the colonies like John Eliot. There are also interesting groups of letters dealing with such topics as the project for translating the Bible into Irish with which Boyle was associated.

On the other hand, the collection is not devoid of letters written by Boyle himself, which survive here for various reasons. Some are letters to members of his family like Lady Ranelagh, which presumably came back into his hands at her death, if not before. Others are drafts, and this should be borne in mind in interpreting them, since the version that appeared to be sent out may have differed slightly; a minor example of this is provided by a letter to Narcissus Marsh of 1682 in BL 1, fols. 105–6, of which the fair copy which was actually sent was in the 1989 and 1991 Christies sales, and in which an insertion in the draft has been incorporated into the final text.

In addition, the collection contains a number of more miscellaneous items, neither addressed to nor written by Boyle, which presumably came into Boyle's possession because he was interested in their content. This particularly applies to BL 7, which Henry Miles consciously put together out of materials of this kind; this has a number of items linked to the Hartlib Circle and the Royal Society. Some letters in earlier volumes fall into the same category, however, including even one diplomatic missive of 1690, Boyle's reasons for keeping which are unclear.⁹⁶

Despite the regrettable losses referred to earlier, the Boyle Letters represent a highly important archive for the intellectual and social history of the period. Though many of the letters in it were published in the eighteenth century (see p. xviii), many were not, and these often provide crucial information. For instance, the letter from Barlow which was omitted from the printed edition (see p. xviii) is one of the most interesting in the series. Also omitted was Boyle's entire correspondence with the physician and natural philosopher, Daniel Coxe, in the 1660s, while a type of letter very much neglected by Miles and Birch were those sent from abroad, from correspondents like Henri Justel and Guy Mesmin. Another class of letters which are arguably unpublished to a disproportionate extent are those from lesser figures—alchemists and others at home and abroad, which are crucial in adding texture to our view of intellectual life in the period. One of the most intriguing components of the collection, which has hitherto been dealt with only fairly briefly by R. E. W. Maddison, is the extensive series of letters to Boyle from the alchemist, Georges Pierre, while a further example of the potential of the archive is provided by William Newman's discovery that almost the entire text of the *Clavis* which was so significant in Newton's alchemy is to be found in a letter from George Starkey to Boyle now in BL 6, fols. 99–100.⁹⁷

It is perhaps worth noting here that plans are afoot for a new edition of Boyle's correspondence, which will supercede that of Birch by including edited, annotated and (where

⁹⁶BL 3, fol. 35: William III to the Estates General of the United Provinces, 24 July 1690. This version is in French, and the original of it has not been traced, but for an identical Dutch version see *Hollandse Mercurius, Verhalende de Voornaemste Saken van Staet, en Andere Voorvallen, die in en Omtrent de Vereenigde Nederlanden, en Elders in Europa, in het Jaer 1690 Het Act-en-Veertigste Deel* (Haarlem, 1691), 231–2. I am indebted to Graham Gibbs for this reference.

⁹⁷Maddison, *Life*, 166f.; W. Newman, "Newto's *Clavis* as Starkey's Key," *Isis*, 78 (1987), 564–74.

appropriate) translated texts of all known letters to and from Boyle; this is being prepared by Antonio Clericuzio and me, and it will be published by Pickering & Chatto in their "Pickering Masters" series. Even when this is available, however, the archive will remain the only source for the substantial portion of the letters which are neither to nor from Boyle.

The Manuscripts and Notebooks

As already noted, these fall into two categories. The earlier items comprise treatises by Boyle, the most important of which have now been published in John Harwood's *The Early Essays and Ethics of Robert Boyle* (1991), a milestone in the study of Boyle's formative years. On the other hand, it is worth pointing out that even Harwood's edition can be supplemented by the manuscripts, since he naturally printed the final version of the text of Boyle's *Aretology or Ethicall Elements* (MS 195, fols. 52–231), whereas researchers will have to turn to the archive for the earlier versions of this, to be found in MS 192 and MS 195, fols. 12–51.

Much of the remainder of the series comprise notebooks, and these seem to have served two functions for Boyle. In part, he used them as a repository for memoranda and factual records, particularly experimental findings, observations, weather notes, and the like, together with lists of experiments which he intended to carry out. But, in addition, he (or, more commonly, his amanuenses) wrote down in them drafts for parts of treatises which Boyle was composing at the time when the notebook in question was in use, perhaps particularly their introductory sections. A good deal of the material in them is scored through with diagonal lines and marked "Tbd.," evidently because it was reused elsewhere, though this revised version rarely survives (it was presumably for the same reason that some leaves have actually been torn out). These items therefore provide particularly telling information about Boyle's treatises in the process of formation.

The Boyle Papers

Turning to the Papers, their content is so varied that it almost defies description. Much of it represents Boyle's personal archive, in the form of treatises or sections of treatises; drafts; records of experiments; notes on books; and personal memoranda. But mixed in with this are items such as Latin translations of Boyle's works and more miscellaneous material—copies of treatises that interested him on medicine, alchemy, theology and travel; religious and political texts relating to the issues of the day; and even poetical effusions. There is also an admixture of material which may have had no connection with Boyle, having come into the collection during its subsequent history, including items associated with Henry Miles and perhaps also with John Warr senior (see p. xxxv), though such items are relatively unusual. None of this disparate range of material has been very fully explored, and each therefore offers much potential to researchers.

Let us start with Boyle's own papers which, as already indicated, fall into a number of categories. First, it is perhaps appropriate to mention records and documents relating to Boyle's life. The most significant of these is the autobiographical "Life of Philaretus" in BP 37, which was first published in 1744 by Birch and re-edited by R. E. W. Maddison.⁹⁸ An example of the

⁹⁸Boyle, *Works*, i.xii–xxvi; Maddison, *Life*, 2–45.

kind of highly revealing material that is still available is provided by the notes that Boyle kept on the confessional interviews that he had with two leading churchmen, Gilbert Burnet, Bishop of Salisbury, and Edward Stillingfleet, Bishop of Worcester, in July 1691, which survive as BP 3, fols. 137–41. An article by me entitled “Casuistry in Action,” comprising a text of these with commentary, is to appear shortly in the *Journal of Ecclesiastical History*.

Moving to Boyle’s intellectual activities, perhaps the most exciting items are wholly unpublished works which survive either complete or in part in the archive. A lead in editing such material was taken by Thomas Birch and Henry Miles in their 1744 edition, in which, as we have seen, material was included from the unpublished sections of *The Christian Virtuoso*. But this example was not thereafter followed for two centuries, and only since the 1950s have various items of this kind been put into print, including the material on miracles published by Colie and the text concerning occult qualities from BP 22 published in 1987 by M. B. Hall, which have already been referred to. In 1988 Malcolm Oster published an early essay by Boyle on the ethics of the treatment of animals (a related text had earlier been published by Yves Conry⁹⁹), while John Harwood’s recent volume of Boyle’s early writings includes moral essays and religious meditations from the Boyle Papers as well as the *Aretology* and other material from among the individually bound manuscript volumes. A further example of the potential for editorial work of this kind is provided by Lawrence Principe’s reconstruction of Boyle’s “Dialogue Concerning the Transmutation of Metals” from a number of more or less substantial fragments which survive in the archive, which is due to be published shortly. There is undoubtedly much further opportunity along similar lines. In addition, such writings offer great potential for study and analysis; to give a single example, Boyle’s unpublished writings on atheism have recently been the subject of attention from me and from J. J. MacIntosh.¹⁰⁰

The Boyle Papers also contain significant quantities of unpublished material which relates to works by Boyle which *were* published, and this falls into various categories. One is of sections of text which survive in manuscript form almost exactly as they were published: in the case of Boyle’s *Some Considerations about the Reconcilableness of Reason and Religion*, these enabled M. A. Stewart to confirm Boyle’s authorship of that work, which some (including J. F. Fulton) had doubted.¹⁰¹ Secondly, we have draft material illustrating the stages that a book went through before it appeared in print. An example of this is the material relating to Boyle’s *Free Enquiry into the Vulgarly Receiv’d Notion of Nature* of which I am currently making a study with Edward B. Davis. Edward B. Davis is also publishing and analysing a significant document in the archive which turns out to include Robert Hooke’s comments on a draft of Boyle’s *Disquisition about the Final Causes of Things*, a crucial item which throws light on the relationship between these two great natural philosophers as well as on the making of Boyle’s

⁹⁹Yves Conry, “Robert Boyle et la doctrine Cartesienne des animaux-machines,” *Revue d’Histoire des Sciences*, 33 (1980), 69–74.

¹⁰⁰J. J. MacIntosh, “Robert Boyle on Epicurean Atheism and Atomism,” in M. J. Osler, ed., *Atoms, Pneuma and Tranquillity: Epicurean and Stoic Themes in European Thought* (Cambridge, 1991), 197–219; Michael Hunter, “Science and Heterodoxy: an Early Modern Problem Reconsidered,” in D.C. Lindberg and R.S. Westman, eds., *Reappraisals of the Scientific Revolution* (Cambridge, 1990), 437–60.

¹⁰¹See Stewart, “Authenticity” (n.6).

book.¹⁰² Thirdly, there is material which Boyle collected because it was germane to a book which he had already published, evidently with a view to publishing an addendum to it: this is an almost totally unexplored part of the collection.

One major component of the archive comprises Latin translations of writings by Boyle. Though a few of these are duplicate Latin translations of Boyle's works which were published in Oxford or London during his lifetime, presumably under his supervision, others are of works of which no Latin translation was ever published, as with *Languid and Unheeded Motion* (1685) or *The Christian Virtuoso* (1690), or which appeared in Latin versions only in the edition of Boyle published by Samuel Tournes in Geneva, such as *The Producibleness of Chymical Principles* (1680). A *Catalogue of the Philosophical Books and Tracts Written by the Honourable Robert Boyle* which the publisher Edward Jones put out in 1689 explained that those of Boyle's works available in Latin editions were marked, adding that: "Several of the rest having likewise been Translated into Latin, but not yet Publish'd." It seems likely that the manuscript texts in the Boyle Papers comprise the unpublished translations there referred to. Many of these are in the hand of Thomas Ramsay; others of Oldenburg; others in the as yet unidentified hands L, M, and N.

In cases where the archive contains an unpublished translation of a text of which a translation was in fact published, it occasionally turns out that the manuscript version is a draft for the published one, as is the case with the fragment of "New Experiments about the Preservation of Bodies *in Vacuo Boyliano*" (1674) in BP 9, fols. 173–5, where the manuscript shows corrections which were incorporated in the printed text. More often, as with the manuscript translation of *Experiments, Notes &c. about the Mechanical Origin or Production of Divers Particular Qualities* (1675), the unpublished version is closer to the English than that published, which is in more polished and literary Latin. Perplexingly, however, with the translation of the *Free Enquiry into the Vulgarly Receiv'd Notion of Nature* (1686) in BP 29, the position is reversed, and the unpublished version departs from the English more than is the case with the published one. A similar contrast appears between texts of which more than one different Latin translation is to be found in the collection, as with the two translations of *New Experiments touching the Relation betwixt Flame and Air* (1672) in BP 34. The translation in Ramsay's hand (BP 34, pp. 327f.) is more polished and Latinate than that in hand L (34, pp. 352f.). These texts would merit further scrutiny, while the Latin material in the archive is also important because it appears likely that translations survive of works or parts of works which are otherwise lost, as is the case with the prologue to the "Dialogue concerning Transmutation" that has already been referred to.

We then come to Boyle's experimental notes, one of the most voluminous and least explored sections of the archive. Some use of these was made by R. G. Frank in his *Harvey and the Oxford Physiologists*,¹⁰³ but apart from this the field is almost virgin. Many of these notes are dated (as are similar records in Boyle's notebooks), and it should be possible to ascertain what trials he was carrying out in the laboratory at any particular time in his life, thereby revealing a key facet of his activities. An important annexe to this is provided by the profuse notes that

¹⁰²Davis's paper was given at the Stalbridge Boyle Symposium, 14–16 December 1991, and will be published in the forthcoming proceedings.

¹⁰³Berkeley and Los Angeles, 1980, esp. ch. 5.

notes that Boyle made about information divulged to him by travellers and others who had witnessed unusual phenomena, which provide unexpected insights into Boyle's late seventeenth-century milieu. There are also quite extensive passages of notes from books and other memoranda, together with fragments, sometimes ones which Boyle evidently rejected from books as he revised them, sometimes simply ideas that he jotted down in the hope that he might one day be able to incorporate them into a work. Even these are frequently neatly written out on a clean piece of paper, and it is worth pointing out that Boyle was generous with paper, constantly having his amanuenses copy out texts and parts of texts on fresh sheets; this means that some of the headaches encountered in archives whose originators wrote on the back of discarded drafts do not arise here.

There are also a number of transcripts of works made by others which Boyle acquired, and, though in general these exist elsewhere in published form, there are a number of exceptions to this: indeed, this is another area where further discoveries are almost certain to be made. Thus it was in BP 19 that the only known copy of Thomas Willis's 1661 Oxford lectures on the senses and neurological disorders was found, which was published by Kenneth Dewhurst in 1980. Another important source which has come to light in this way is the report to the Hudson's Bay Company by Governor Nixon in 1682, now in BP 40. This was published by E. E. Rich in 1945. Even the material in the archive which is least directly connected with Boyle has potential for study, for instance the texts associated with John Warr senior described on p. xxxv, above, which might well prove illuminating.

Taken together, these examples will give some indication of the richness of the Boyle Letters and Papers, and their massive potential will be further illustrated by a perusal of the text that follows. Despite the occasional imperfections of survival that have already been noted, we have here a treasure trove for students of Boyle's life, thought and context. Its proper exploitation is long overdue.

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EDITORIAL NOTES

A Note on Dates

At this period, the English calendar was ten days behind that of continental Europe. Unless otherwise stated, dates can be presumed to be Old Style; those in New Style are denoted "(N.S.)," while sometimes the old and new style dates are juxtaposed in the form "10/20 January." In addition, the year was deemed to begin on 25 March, so dates for the months January to March were often given in terms of the old year. To avoid misunderstanding, such dates have here been given in the form "1665/66."

Foliation and Pagination

Boyle Letters 1–6 are foliated, and in each catalogue entry, the entire number of folios occupied by the letter has been indicated, including blank openings, which are sometimes omitted from the microfilm edition. By contrast, in BL 7 each letter has a single number regardless of how many sides it occupies; these were given by Henry Miles when he arranged this series in the 1740s.

In the Boyle Papers, some volumes are foliated (that is, with a single number per leaf, so that its reverse side is referred to as fol. 1v), while others are paginated. It is noted at the start of each volume which is foliated and which is paginated; subsequently, each entry begins with an "F" for foliated volumes and a "P" for paginated ones. In openings in foliated volumes, this means that the left-hand page facing that on which a folio number appears is the verso of the previous folio. Blank pages have been noted in paginated volumes; in foliated volumes, wholly blank leaves have been noted, but not single sides.

In the Boyle Papers and notebooks, the total number of folios/pages in each volume has been given at the start of the entry devoted to it. These totals ignore minor errors of pagination, since the object is to confirm the overall size of the volume in question.

In the case of the commonplace books, it should be pointed out that Boyle began these at both ends; hence, after the point marked 'End of section written from front,' the remainder of the material needs to be read from back to front to make sense of it. In some cases, for the convenience of readers, the entire text in question has been filmed in this reverse order: this applies to MS 199. In the case of MS 198, each *group* of material has been filmed in reverse order. Elsewhere in the series, however, this adjustment will have to be made by the reader.

Microfilm Frame Numbers

It should be noted that frame numbers have been matched to catalogue entries as far as possible, but, since each frame shows an opening (i.e., the recto of one page together with the verso of the previous one), it has sometimes proved difficult to correlate the sequence exactly. Readers should make allowance for minor discrepancies of this kind in using the film. A few pages have been accidentally omitted in the course of microfilming.

Previous Finding Aids

For details of the nineteenth and twentieth-century finding aids which are included in the volumes and have been microfilmed as part of them, see Introduction, pp. xxix, xxvi–vii. In the case of the Boyle Letters, these are quite complete and accurate (though superceded by the reel index that follows).

In contrast to this, the lists included at the start of each volume of the Boyle Papers are highly inadequate, even in cases where they have been added to (sometimes keying in pagination) in the twentieth century. Hence these should be virtually ignored by users of the archive, instead preferring the fuller descriptions given in the reel index. In a few volumes no such listing appears.

The notebooks and other manuscripts have no earlier lists of contents.

Volume Titles

In the catalogue that follows, in addition to its number, each volume of the Boyle Papers has been given the title that appears at the head of its nineteenth-century contents leaf; this is also reproduced on the spine of each volume, and in three cases where there is no nineteenth-century contents leaf (BP 12, 13, and 15), the title has been taken directly from the spine. As noted on pp. xxvi–vii, these titles are of nineteenth-century date and have no authority from Boyle himself.

Catalogue Entries

In these, an attempt has been made to give sufficient information for purposes of identification, making reference where appropriate to published versions of the texts in question. The data given is slightly idiosyncratic and inevitably incomplete—particularly concerning the relationship with published material and material elsewhere in the archive. The identifications given are either ones that I have made myself, or that have been provided by those whose assistance is acknowledged above; but there is clearly more such cross-referencing to be done, and this is itself symptomatic of the research potential of the archive.

I have not bothered to record where material is wholly or partially crossed through, since this is so frequently the case.

For the handwritings which are identified in the list, see the section Dating and Handwriting in the Introduction. The hand identified is the main hand; in general, I have not noted the identity of subsidiary hands correcting or making marginal additions to the text. Where several hands are represented within a single entry, I have sometimes reluctantly abandoned an attempt to give a full list of them and have instead adopted the shorthand, “Various.” The identifications given are

those about which I am reasonably confident. If in doubt, I have added a query, or stated: "Uncertain." It should be noted that "Unknown" implies greater unfamiliarity than is the case with "Uncertain."

Miscellaneous

Lastly, it should be noted that the quality of the microfilm varies; at times the original MSS are rather faint, and these have come out more or less poorly in photographic reproduction. The manuscripts are generally in reasonably good condition, but one exception to this is MS 196, which deteriorates to the point where it becomes virtually illegible.

It should also be noted that frame numbers are repeated in certain areas of the guide. This is a result of filming error and not a typographical error.

ABBREVIATIONS

The following abbreviations are used frequently throughout this guide and are listed here for the convenience of the researcher.

Add. MS	British Library Additional Manuscript
<i>Ann. Sci.</i>	<i>Annals of Science</i>
Birch, <i>History</i>	Thomas Birch, <i>The History of the Royal Society of London</i> (London, 1756–1757)
BL	Boyle Letters*
BP	Boyle Papers*
Cl.P.	Royal Society Classified Papers*
Colie, “Spinoza”	R. L. Colie, “Spinoza in England 1665–1730,” <i>Proceedings of the American Philosophical Society</i> , 107 (1963), 183–219
EL	Royal Society Early Letters*
Evelyn, <i>Diary and Correspondence</i>	William Bray [and John Forster], eds., <i>The Diary and Correspondence of John Evelyn</i> (London, 1852)
F.R.S.	Fellow of the Royal Society
Hall, <i>Boyle on Natural Philosophy</i>	Marie Boas Hall, <i>Robert Boyle on Natural Philosophy: An Essay with Selections from His Writings</i> (Bloomington, 1965)
Harwood, <i>Essays and Ethics</i>	John T. Harwood, ed., <i>The Early Essays and Ethics of Robert Boyle</i> (Carbondale and Edwardsville, 1991)
Maddison, <i>Life</i>	R. E. W. Maddison, <i>The Life of the Honourable Robert Boyle, F.R.S.</i> (London, 1969)
Maddison, “Summary”	R. E. W. Maddison, “A Summary of Former Accounts of the Life of Robert Boyle,” <i>Annals of Science</i> , 13 (1957), 90–108
<i>Notes and Records Oldenburg</i>	<i>Notes and Records of the Royal Society</i> A. R. and M. B. Hall, eds., <i>The Correspondence of Henry Oldenburg</i> (Madison, Milwaukee, and London, 1965–1986)
<i>Phil. Trans. Works</i>	<i>Philosophical Transactions</i> Thomas Birch, ed., <i>The Works of the Hon. Robert Boyle</i> (2nd edition, London, 1772)

* These are available in a microfilm edition from University Publications of America, to which reference should be made to elucidate citations given here.

REEL INDEX

Reel 1

Frame No.

The Boyle Letters

0001	Volume 1. Aeigerthal–Burnet. 237 frames.
0238	Volume 2. Chamberlayne–Endecott. 249 frames.
0487	Volume 3. Duillier–Lymeric. 765 frames.

Reel 2

The Boyle Letters cont.

0002	Volume 4. Mainston–Puerarius. 210 frames.
0212	Volume 5. Ramsay–Winthrop. 272 frames.
0484	Volume 6. 6 June 1648–29 April 1688. 147 frames.
0631	Volume 7. 18 May 1649–29 November 1689. 175 frames.

A breakdown of each volume of the Boyle Letters by folio is provided, beginning on page 2.

The Boyle Letters Finding List

Volume 1

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
1-2	John George Steigerthal [Aeigerthal]	Robert Boyle		
3-6	W. Anderson	Master Jameson	30 Sept. 1644	
7-8	"Anselm"	Robert Boyle	n.d. [Dec. 1680]	
9-10	Jonathan Avery	Robert Boyle	29 March 1688	
11	Sir William Ashhurst	Robert Boyle	2 Nov. 1665	
12-3	Sir William Ashhurst	Robert Boyle	24 Nov. 1666	
14-5	Sir Henry Ashhurst	Robert Boyle	28 Aug. 1683	
16-7	Ralph Austen	Robert Boyle	14 Jan. 1664/65	<i>Works</i> , vi. 645-6
18-9	Ralph Austen	John Beale	28 Jan. 1665/66	
20	W. Aston: Acrostic in Greek on "Boyle"			
22-3	Jo. V. Baird	Laird of Howshill	2 March 1678/79	
24	Cardinal Francis Barberini	Father James Taaffe	29 Aug. 1667/68	
25-6	Thomas Barlow	Robert Boyle	18 April 1667	
26a	Robert Sanderson	Thomas Barlow	20 Sept. 1659	<i>Works</i> , vi. 302
27-8	Thomas Barlow	Robert Boyle	30 Jan. 1659/60	<i>Works</i> , vi. 302
29-30	Thomas Barlow	Robert Boyle	13 Sept. 1659	<i>Works</i> , vi. 301-2
31-2	Richard Baxter	Robert Boyle	20 Oct. 1660	
33-4	Richard Baxter	Robert Boyle	14 June 1665	<i>Works</i> , vi. 516-20
35-6	Richard Baxter	Robert Boyle	29 Aug. 1682	
37-8	Richard Baxter	Robert Boyle	15 Dec.	
39-40	Pierre Bayle	Robert Boyle	6 June 1686	Harcourt Brown, <i>Scientific Organi- zations in 17th- Century France</i> (Baltimore, 1934), 282
41-2, 43-6	John Beale	Robert Boyle	30 Nov. 1663	
47-8	John Beale	Katherine Jones, Viscountess Ranelagh	5 Sept. 1660	
49-50	John Beale	Katherine Jones, Viscountess Ranelagh	6 Sept. 1660	
51-2	John Beale	Benjamin Worsley	29 Aug. 1660	
53-4	Newsletter from Amsterdam		16 Aug. 1661	
55-6	Newsletters from Cleves and Amsterdam		4 March 1661 and 5 May 1661 (NS)	
57-8	Johann Joachim Becher	Henry Oldenburg	26 Oct. 1671	<i>Oldenburg</i> , viii. 303-4
59-61	Michael Behm	Robert Boyle	2 Oct. 1668 (NS)	
62-3	George, 1st Earl of Berkeley	Robert Boyle	29 Sept. 1680	
64-5	Isaac Delonguevil	Robert Boyle	n.d. [prior to Sept. 1682]	
66-7	Edward Bernard	Robert Boyle	8 May 1680	<i>Works</i> , vi. 586
68	Edward Bernard	Robert Boyle	17 Sept. 1684	<i>Works</i> , vi. 587
69-70	Edward Bernard	Robert Boyle	24 Feb. 1683/84	<i>Works</i> , vi. 587
71-2	Edward Bernard	Robert Boyle	15 Jan. 1681	<i>Works</i> , vi. 587

Reel Index—Boyle Letters Finding List

3

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
73	Edward Bernard	Robert Boyle	18 Oct. 1681	<i>Works</i> , vi. 586
74–5	Edward Bernard	Robert Boyle	1 Feb. 1690/91	<i>Works</i> , vi. 589
76–7	Silvius Boccone	John Ray	4 Dec. 1688 (NS)	
78–87	Silvius Boccone [including various notes and messages to Charles Howard and others]	John Ray	13 May 1685 (NS?)	
88–9	Olaus Borrichius	Robert Boyle	30 March 1664 (NS)	
90–7	J. Boyd [Boyle?]	Madame		
98–9	Charles Boyle	Robert Boyle	31 July 1690	<i>Works</i> , vi. 624
100–1	William Boyle	Robert Boyle	14 May 1668	
102		Boyle [?]		
103–4	Robert Boyle	Katherine Jones, Viscountess Ranelagh	13 Nov. [1648?]	<i>Works</i> , vi. 43–4
105–6	Robert Boyle	Narcissus Marsh	1682 [after 8 April]	<i>Works</i> , vi. 43
107–8	Robert Boyle [cf. 130–1]			<i>Works</i> , i. cxxx–i
109–10	Robert Boyle	Mrs. Dury	15 April 1647	
111	Robert Boyle	Sir John Champanty	9 April 1681	<i>Works</i> , i. clxxiv
112–5	Robert Boyle	Henry Jones, Bishop of Meath	27 Sept. 1681	<i>Works</i> , i. clxxix– lxxx
116–7	Robert Boyle	John Mallet	23 Sept. 1653	<i>Works</i> , i. lii–iii
118–9	Robert Boyle	Martha Carey, Countess of Monmouth	7 July 1648	<i>Works</i> , vi. 47
120–1	Robert Boyle	Katherine Jones, Viscountess Ranelagh	31 Aug. 1649	<i>Works</i> , vi. 49–50
122–3	Robert Boyle	Roger Boyle, Baron Broghill	20 Dec. 1649	<i>Works</i> , vi. 50–51
124–5	Robert Boyle	Katherine Jones, Viscountess Ranelagh	13 May 1648	<i>Works</i> , vi. 45
126–7	Robert Boyle			<i>Works</i> , vi. 42–3
128–9	Robert Boyle	Katherine Jones, Viscountess Ranelagh	2 Aug. 1649	<i>Works</i> , vi. 48–9
130–1	Robert Boyle [cf. vol. 1, 107–8]	“To Mr. N”		<i>Works</i> , i. cxxx–i
132–3	Robert Boyle	James Kirkwood	5 March 1687/88	<i>Works</i> , i. cxcvii
134	Robert Boyle [copy by Henry Miles: cf. vol. 6, 52]	Gilbert Burnet	10 July 1686	<i>Works</i> , vi. 626
135–6	Robert Boyle	Richard Boyle, 2nd Earl of Cork	14 July 1646	<i>Works</i> , vi. 44
137–8	Robert Boyle	One of his brothers	18 April 1647	
139–40	Robert Boyle	Henry Jones, Bishop of Meath	8 April 1681	<i>Works</i> , i. clxxiii–iv
141–2	Robert Boyle	Alice Boyle, Countess of Barrymore	21 Dec. 1649	<i>Works</i> , vi. 51–2
143–4	Robert Boyle	John Mallet	Jan. 1652/53	<i>Works</i> , vi. 1–lii
145	Robert Boyle	Narcissus Marsh	1 Aug. 1682	<i>Works</i> , vi. 604–5
146–7	Robert Boyle		n.d. [1649?]	<i>Ann. Sci.</i> , 17 (1961), 168–73
148	Robert Boyle	Corporation for Propagating the Gospel	22 Aug. 1689	<i>Works</i> , i. cxxviii–ix
149–50	Robert Boyle	Edward Bernard [?] Endorsed to Paolo Sarotti		

Reel Index—Boyle Letters Finding List

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
Volume 1 cont.				
151	Note by Henry Miles			
152-3	Robert Boyle	Margaret Boyle, Countess of Orrery	Oct. 1679	<i>Works</i> , vi. 52-3
154-5	Robert Boyle	M. S. R. [My Sister Ranelagh]		
156-7	Robert Boyle			<i>Works</i> , vi. 36-7
158-9	Robert Boyle	Michael Boyle, Bishop of Cork	27 May 1662	<i>Works</i> , i. lxvi-vii, vi. 56-7
160-1	Robert Boyle	Thomas Barlow	7 July 1681	<i>Works</i> , vi. 302-4
162-3	Robert Boyle		late Feb. 1647	<i>Works</i> , vi. 39-40
164-5	William Brereton	Robert Boyle	9 May 1664	
166-7	Richard Boyle, 2nd Earl of Cork	Robert Boyle	24 Aug. 1681	<i>Works</i> , vi. 656-7
168-9	J. Buryer	Robert Boyle		
170	Gilbert Burnet [Copy by Henry Miles of vol. 1, 174-5]	Robert Boyle	4/14 June 1686	<i>Works</i> , vi. 625-6
171	Gilbert Burnet [Copy by Henry Miles of vol. 1, 176-7]	Robert Boyle	10/20 Jan. 1691	<i>Works</i> , vi. 627-8
172-3	Gilbert Burnet	Robert Boyle	3 Jan. 1686/87	<i>Works</i> , vi. 625
174-5	Gilbert Burnet	Robert Boyle	4/14 June 1686	<i>Works</i> , vi. 625-6
176-7	Gilbert Burnet	Robert Boyle	10/20 Jan. 1691	<i>Works</i> , vi. 627-8
Volume 2				
1-2	William Chamberlayne	Robert Boyle	5 Aug. 1665	
3-4	Hugh Chamberlen	Mr. Williamson	17 Jan. 1665/66	
5-6	Hugh Chamberlen	Robert Boyle	17 Jan. 1665/66	
7-10	Hugh Chamberlen [including "An Essay of the Plague"]	Robert Boyle	n.d. [1666]	
11	J. Chardin	"Madame"	8 Sept. 1681	
12	Caleb Cheeshahteaumauk	Robert Boyle	n.d. [1663]	S. E. Morison, <i>Harvard College in the 17th Century</i> (Cambridge, Mass., 1936) i. 355
13	Samuel B. Chylinkski	Boyle [?]	1 June 1660	
13a-b	Elizabeth MacCarthy, Countess of Clancartie	Robert Boyle	19 Nov. 1677	
14-5	Walter Clark	Robert Boyle	25 Oct. 1680	
16	Gabriel Clauder	Robert Boyle	1 July 1678 (NS)	
17	Frederick Clodius	Robert Boyle	12 Dec. 1663	
17a-b	Frederick Clodius	Robert Boyle	3 March 1656	
18	Frederick Clodius	Robert Boyle	7 July 1656	
19a	Frederick Clodius	Robert Boyle		
20	Robert Boyle	Frederick Clodius	27 Sept. 1653	<i>Works</i> , vi. 35-6
21-2	Robert Codrington	Robert Boyle	2 Oct. 1660	<i>Works</i> , vi. 636-7
23-4, 25-8	Robert Codrington [including verses by Codrington]	Robert Boyle	22 Dec. 1664	
29	Samuel Colepresse	Robert Boyle	26 April 1667	

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
31	Samuel Collins	Robert Boyle	11 Nov. 1668	
32	Samuel Collins	Robert Boyle	20 Nov. 1663	<i>Works</i> , vi. 641–2
33–4	Samuel Collins	Boyle [?]		
35–6	Alexander Cunningham	Robert Boyle	25 June 1686	
37–8	Richard Cony	Boyle [?]	24 Oct. 1670	
39–40	Jo. Cooke	Robert Boyle	13 Aug. 1664	<i>Works</i> , vi. 642–3
41–2	Michael Boyle, Bishop of Cork	Robert Boyle	13 Aug. 1662	<i>Works</i> , i. lxxvii–viii; vi. 638–9
43–4	Edward Wetenhall, Bishop of Cork and Ross	Robert Boyle	12 June 1683	<i>Works</i> , vi. 615
45–6	Edward Wetenhall	Robert Boyle	22 March 1688	<i>Works</i> , vi. 615–6
47	Richard Boyle, 1st Earl of Cork	“Mr. Sheriffe”	18 Feb. 1632	
48–9	Elizabeth Boyle, Countess of Cork	Robert Boyle	26 June [1656]	<i>Works</i> , vi. 623–4
50–1	Cottreaux	Boyle [?]	16 Sept. 1687	
52–3	Daniel Coxe	Robert Boyle	6 Nov.	
54–7	Daniel Coxe	Robert Boyle	19 Jan. 1665/66	
58–61	Daniel Coxe	Robert Boyle	5 Feb. 1665/66	
62	Daniel Coxe [belongs with vol. 2, 78–9]	Robert Boyle	19 Feb. 1665/66	
63	Note by Henry Miles			
64–5	Daniel Coxe	Robert Boyle	5 March 1665/66	
66–7	Daniel Coxe	Robert Boyle	7 Nov. 1666	
68–9	Daniel Coxe	Robert Boyle	14 Oct. 1666	
70–1	Daniel Coxe	Robert Boyle		
72–3	Daniel Coxe	Robert Boyle		
74–5	Daniel Coxe	Robert Boyle		
76–7	Daniel Coxe	Robert Boyle		
78–9	Daniel Coxe	Robert Boyle	19 Feb. 1666 [with vol. 2, 62]	
80–1	Thomas Coxe	Robert Boyle	8 Feb. 1667/68	
82	Johann Daniel Crafft	Robert Boyle		
83–4	Ralph Cudworth	Robert Boyle	27 May 1664	<i>Works</i> , vi. 510
85–6	Ralph Cudworth	Robert Boyle	16 Oct. 1684	<i>Works</i> , i. cxxii, vi. 510–11
87	Robert Cuninghame	Robert Boyle	2 Nov. 1664	
88–9	Frederick Clodius	Robert Boyle	[1652–54]	
90–1	Thomas Osborne, 1st Earl of Danby	Ralph Montagu, Ambassador at Paris	17 Jan. 1677/78	
92–3	de Bois Clair	Robert Boyle	31 March (NS)	
94–5	D. Breval	Robert Boyle	22 Oct. 1668 (NS)	
96–7	Abercromby de Canzano	Robert Boyle	1 May 1690	
98–9	de Chambrun		4 June 1688	
100–1	Carolus de Clermont	Robert Boyle		
102–3	de Court	Robert Boyle	3 Aug. 1688 (NS)	
104	Gideon de Laune [copy by Charles Goodall: cf. vol. 3, 19–20]		11 July 1639	
105–6	Benjamin Denham	Robert Boyle	12 May 1667	
107–8	Benjamin Denham	Robert Boyle		<i>Works</i> , vi. 628
109–10	Benjamin Denham	Robert Boyle		
111–12	de Sage	Robert Boyle	2 May 1668 (NS)	

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Volume 2 cont.				
113-4	de Saingermain	Robert Boyle	25 Jan. 1683 (NS)	
115-6	de Saingermain	Robert Boyle	22 Jan. 1685 (NS?)	
117-8	de Saingermain	Robert Boyle		
119-20	Descqueville		22 Sept. 1678 (NS)	
121-2	Des Fontaines	Robert Boyle	25 June 1671	
123	Desportes	Robert Boyle		
124-5	Paul Dhuillier	Robert Boyle	10 Aug. 1687	
126-7	Kildare Digby	Robert Boyle		
128-9	G. Dinotius	Robert Boyle		
130-1	Tranquille Dorleans/Henry de Montbazon [transcript by Robin Bacon]	Henri Justel		
132	Jean Demarsignij	Robert Boyle	14 April 1668	
133-4	Duncan	Robert Boyle		
135-6	Duncan	Robert Boyle	30 July 1688 (NS)	
137-8	Louis du Moulin	Robert Boyle	11 March 1679/80	
139-40	Louis du Moulin	Robert Boyle	n.d. [1679]	
141-2	Peter du Moulin	Robert Boyle	4/14 July 1661	
143-4	Peter du Moulin	Robert Boyle	3 July 1671	<i>Works</i> , vi. 579-80
145-6	Peter du Moulin	Robert Boyle	23 Feb. 1673/74	<i>Works</i> , vi. 581
147-8	Peter du Moulin	Robert Boyle	1 Oct. 1672	<i>Works</i> , vi. 580-1
149-50	John Dury	Samuel Hartlib		
151-2	Eccard Leichner	Robert Boyle	23 Dec. 1679 (NS)	
153-4	John Eliot	Robert Boyle	26 Aug. 1664	<i>Works</i> , vi. 509-10
155-6	John Eliot	Robert Boyle	30 Sept. 1670	<i>Works</i> , i. ccv-vi
157-8	John Eliot	Robert Boyle	23 Oct. 1677	<i>Works</i> , i. ccvi-vii
159-60	John Eliot	Robert Boyle	4 Nov. 1680	<i>Works</i> , i. ccvii-viii
161-2	John Eliot	Robert Boyle	15 March 1682/83	<i>Works</i> , i. ccviii-ix
163-4	John Eliot	Robert Boyle	27 Nov. 1683	<i>Works</i> , i. ccix-x
165-6	John Eliot	Robert Boyle	22 April 1684	<i>Works</i> , i. ccx-xiii
166a	John Eliot	Robert Boyle	29 Aug. 1686	<i>Works</i> , i. ccxiii
167-8	John Eliot	Robert Boyle	21 June 1683	<i>Works</i> , i. ccix
169-70	John Eliot	Robert Boyle	7 July 1688	<i>Works</i> , i. ccxiii-iv
171-2	John Eliot [copy by Bacon of vol. 2, 165-6]	Robert Boyle	22 April 1684	<i>Works</i> , i. ccx-xiii
173-4	John Ellys	Robert Boyle	26 Oct. 1688	<i>Works</i> , vi. 671
175-6	John Endecott	Robert Boyle	19 Oct. 1664	<i>Works</i> , i. ccxiv-v
177-8	John Endecott	Robert Boyle	9 Nov. 1664	
Volume 3				
1-2	Nicolas Fatio de Duillier	Robert Boyle	18 May 1691	
3	Christian Werner	Robert Boyle	9 Sept. 1678 (NS)	
4-5	Petrus Figulus		6 Feb. 1660 (NS)	
6-7	George, Patriarch of Antioch	Robert Boyle	24 Dec. 1677 (NS)	
8-9	George, Patriarch of Antioch	Robert Boyle	8 Feb. (NS?)	
10	Glangerman	Henry Oldenburg	15 April 1655	<i>Oldenburg</i> , i. 67-9
11-12	Joseph Glanvill	Robert Boyle	25 Jan. 1678	<i>Works</i> , vi. 632
13-4	Joseph Glanvill	Robert Boyle	24 Feb. 1678	<i>Works</i> , vi. 632-3
15-6	Joseph Glanvill	Robert Boyle	2 Nov. 1677	<i>Works</i> , vi. 633
17-8	Joseph Glanvill	Robert Boyle		<i>Works</i> , vi. 630-1

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19–20	Charles Goodall	Robert Boyle	29 Nov.	
21–2	Valentine Greatrakes	Robert Boyle	12 Sept. 1668	
23–32	Robert Boyle	Henry Stubbe	7 March 1665/66	<i>Works</i> , i. lxxvi–lxxxv
33–4	Boyle's questionnaire concerning Greatrakes			Maddison, <i>Life</i> , 124–6
35–6	William III, King of England	Etats Generaux des Provinces Unies	24 July 1690	[See Introduction]
37	The Lady Isabel Hamiltons Motives to turne from Popery			
38–9	G. Havers	Whitaker		
40	J. V. Helbig	Robert Boyle		
41–2	Franciscus Mercurius van Helmont	Henry Oldenburg	30 June 1674 (NS)	<i>Oldenburg</i> , xi. 39–41
	[with note by Oldenburg]			<i>Oldenburg</i> , viii. xxvi
43–4	Paul Higgin	Robert Boyle	26 Nov. 1681	
45–6	Joseph Hill	Robert Boyle	20 April 1685 (NS)	<i>Works</i> , vi. 661
47–8	J. Hornius (Horne)	Samuel Hartlib	29 Nov. 1659	
49–50	Christiaan Huygens [cf. vol. 6, 15–16]	Sir Robert Moray	30 Sept. 1661 (NS)	Huygens, <i>Oeuvres Complètes</i> , 22 (The Hague, 1950), 71–3
51–4	Christiaan Huygens	Sir Robert Moray	14 July 1662 (NS)	Huygens, <i>Oeuvres Complètes</i> , 4 (The Hague, 1891), 171–3
55–6	Robert Huntington	Robert Boyle	12 Jan. 1683	<i>Works</i> , vi. 616
57–8	Robert Huntington	Robert Boyle	24 Jan. 1684/85	<i>Works</i> , vi. 616–7
59–60	Robert Huntington	Robert Boyle	21 Feb. 1684/85	<i>Works</i> , vi. 617
61–2	Robert Huntington	Robert Boyle	20 March 1685/86	<i>Works</i> , vi. 618
63–4	Robert Huntington	Robert Boyle	24 March 1684/85	<i>Works</i> , vi. 617
65–6	William Hussey	Robert Boyle	8 May 1686	<i>Works</i> , vi. 615
67	Dr. Hutton	Robert Boyle	1 Sept. 1682	<i>Works</i> , vi. 657
68–9	Thomas Hyde	Robert Boyle	20 May 1671	<i>Works</i> , vi. 558
70	Thomas Hyde	Robert Boyle	23 Oct. 1671	<i>Works</i> , vi. 558–9
71	Thomas Hyde	Robert Boyle	31 July 1677	<i>Works</i> , vi. 563–4
72–3	Thomas Hyde	Robert Boyle	3 Sept. 1676	<i>Works</i> , vi. 561–2
74	Thomas Hyde	Robert Boyle	14 Aug. 1677	<i>Works</i> , vi. 564–5
74 a–b	Thomas Hyde	Robert Boyle	22 Sept. 1677	<i>Works</i> , vi. 565–6
75–6	Thomas Hyde	Robert Boyle	16 Oct. 1677	<i>Works</i> , vi. 566–7
77–8	Thomas Hyde	Robert Boyle	29 Nov. 1677	<i>Works</i> , vi. 567
79–80	Thomas Hyde	Robert Boyle	17 Feb. 1677/78	<i>Works</i> , vi. 568–9
81–2	Thomas Hyde	Robert Boyle	2 Aug. 1678	<i>Works</i> , vi. 569
83–4	Thomas Hyde	Robert Boyle	24 Feb. 1683/84	<i>Works</i> , vi. 573
85	Thomas Hyde	Robert Boyle	23 Sept. 1684	<i>Works</i> , vi. 573
86–7	Thomas Hyde	Robert Boyle	25 Oct. 1688	<i>Works</i> , vi. 575
88	Thomas Hyde	Robert Boyle	29 Dec. 1688	<i>Works</i> , vi. 575–6
89	Thomas Hyde	Robert Boyle	23 Feb. 1688/89	<i>Works</i> , vi. 576–7
90–1	Thomas Hyde	Robert Boyle	3 March 1690/91	<i>Works</i> , vi. 577–8
92–3	Thomas Hyde	Robert Boyle	11 June 1691	<i>Works</i> , vi. 578–9
94	Gulielmus Isaac	Robert Boyle		
95	Josephus Jelzckewski	Robert Boyle	24 May 1679	
96	Richard Jones	Robert Boyle	20 March 1660 (NS)	
97	Richard Jones	Robert Boyle	30 March 1658 (NS)	
98–9	Jouämier	Boyle [?]	23 Sept. 1690	

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Volume 3 cont.				
100-1	Henri Justel		10 Nov. 1677 (NS)	
102-3	Henri Justel	Robert Boyle	30 Jan. 1678 (NS)	
104-5	Henri Justel	Robert Boyle	1 April 1684 (NS)	
106-7	James Kirkwood	Robert Boyle	5 Nov. 1687	<i>Works</i> , i. cxciii-iv
108-9	James Kirkwood	William Wotton	22 June 1702	<i>Works</i> , i. clxxxviii-ix
108-9	James Kirkwood	James Ramsey, Bishop of Ross	15 Dec. 1687	<i>Works</i> , i. cxcv-vi
110-11	James Kirkwood	Robert Boyle	15 Dec. 1687	<i>Works</i> , i. cxciv-v
112-3	James Kirkwood	Robert Boyle	27 Dec. 1687	<i>Works</i> , i. cxcvi-vii
114-5	James Kirkwood	Robert Boyle	13 July 1689	<i>Works</i> , i. cc
116-7	James Kirkwood	Robert Boyle	30 Oct. 1690	<i>Works</i> , i. ccii-iii
118-9	An Answer to the Objections against Printing the Bible in Irish			<i>Works</i> , i. cxc-i-iii
119v-20	James Ramsay, Bishop of Ross	James Kirkwood	1 Sept. 1690	<i>Works</i> , i. cciii-iv
121-2	John Laughton	Rev. Mr. Warton	10 April 1688	
123-4	Jean Le Clerc	John Locke	18 Feb. 1691	
125-8,	Anthony van Leeuwenhoek	Robert Boyle	28 July 1676	Leeuwenhoek, <i>Alle de Brieven</i> , 2
129-32	[including translation by Oldenburg]			(Amsterdam, 1941), 42-59
133-4	Antony van Leeuwenhoek	Heinsius	10 Aug. 1685 (NS)	Leeuwenhoek, <i>Alle de Brieven</i> , 5
				(Amsterdam, 1957), 270-5
135-6	Antony van Leeuwenhoek	Robert Boyle	12 Jan. 1689 (NS)	Leeuwenhoek, <i>Alle de Brieven</i> , 8
				(Amsterdam, 1967), 62-5
137-47	Antony van Leeuwenhoek	Royal Society	12 Jan. 1689 (NS)	Leeuwenhoek, <i>Alle de Brieven</i> , 8
				(Amsterdam, 1967), 66-117
148-9	Le Febure			
150-5	Le Green		19 Sept. 1682	
156-7	Nicolas Lemery	Robert Boyle	17 Aug. 1682 (NS)	<i>Works</i> , vi. 657
158-9	Nicolas Lemery	Robert Boyle	18 March 1687 (NS)	
160-1	Thomas Barlow	Robert Boyle	12 July 1681	<i>Works</i> , vi. 304-5
162-3	Thomas Barlow	Robert Boyle	26 Aug. 1682	<i>Works</i> , vi. 305
164-5	Thomas Barlow	Robert Boyle	2 July 1683	
166	Thomas Barlow	Robert Boyle	10 Oct. 1683	<i>Works</i> , vi. 306
167-8	Thomas Barlow	Robert Boyle	7 April 1684	<i>Works</i> , vi. 307
169-70	Thomas Barlow	Robert Boyle	5 May 1684	<i>Works</i> , vi. 307-8
171-2	Thomas Barlow	Robert Boyle	25 May 1684	<i>Works</i> , vi. 308-9
173-4	Thomas Barlow	Robert Boyle	10 June 1684	<i>Works</i> , vi. 309-10
175-6	Thomas Barlow	Robert Boyle	12 June 1684	<i>Works</i> , vi. 310-11
177	Thomas Barlow	Robert Boyle	18 Oct. 1684	<i>Works</i> , vi. 311-2
178-9	Thomas Barlow	Robert Boyle	28 Oct. 1684	<i>Works</i> , vi. 312
180-1	Thomas Barlow	Robert Boyle	4 Nov. 1684	<i>Works</i> , vi. 313-4
182-3	Thomas Barlow	Robert Boyle	29 Nov. 1684	<i>Works</i> , vi. 314-5
184-5	Thomas Barlow	Robert Boyle	14 Jan. 1685/86	<i>Works</i> , vi. 316

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186–7	Thomas Barlow	Robert Boyle	1 Oct. 1685	<i>Works</i> , vi. 315–6
188–9	Thomas Barlow	Robert Boyle	4 Jan. 1686/87	<i>Works</i> , vi. 317
190	Obadiah Walker	Robert Boyle		<i>Works</i> , vi. 318
191–2	Thomas Barlow	Robert Boyle	19 Jan. 1686/87	<i>Works</i> , vi. 318
193–4	Thomas Barlow	Robert Boyle	22 Nov. 1686	<i>Works</i> , vi. 316–7
195–6	Thomas Barlow	Robert Boyle	28 July 1687	<i>Works</i> , vi. 319
197–8	Thomas Barlow	Robert Boyle	2 April 1688	
199–200	Thomas Barlow	Robert Boyle	[Prior 7 Dec.]	
201–2	Thomas Barlow	Robert Boyle	n.d. [1682 ?]	
203–4	Henry Compton, Bishop of London	Robert Boyle	20 Sept. 1687	
205–6	John Love	Robert Boyle	21 Feb. 1687/88	<i>Works</i> , vi. 670–1
207–8	Richard Lower	Robert Boyle	26 Nov. 1662	<i>Works</i> , vi. 465
209–10	Jacques Lucas	Robert Boyle	28 Dec. 1675 (NS)	
211	Job Ludolf	Robert Boyle	6/16 Feb. 1683/84	
212–3	William Fuller, Bishop of Limerick	Robert Boyle	3 Dec. 1665	<i>Works</i> , vi. 646

Volume 4

1–2	William Mainston	Robert Boyle	19 Dec. 1682	<i>Works</i> , vi. 614
3–4	William Mainston	Robert Boyle	15 May 1683	<i>Works</i> , vi. 614
5	Andreas Majoragius	Robert Boyle	27 Aug. 1688	
6–7	Bathsua Makin	Robert Boyle		
8–9	John Mallet	Robert Boyle	27 March 1655	<i>Works</i> , vi. 634–5
10–11	Marcello Malpighi	Carlo Antonio Ronchi	6 Feb. 1686 (NS)	
12–13	Caspar March	Robert Plot	15 Aug. 1684	
14–5	Narcissus Marsh	Henry Jones, Bishop of Meath	27 Aug. 1681	<i>Works</i> , vi. 601–2
16–7	Narcissus Marsh	Robert Boyle	27 Dec. 1681	<i>Works</i> , vi. 602
18–9	Narcissus Marsh	Robert Boyle	8 April 1682	<i>Works</i> , vi. 603
20–1	Narcissus Marsh	Robert Boyle	23 June 1682	<i>Works</i> , vi. 603–4
22–3	Narcissus Marsh	Robert Boyle	30 Sept. 1682	<i>Works</i> , vi. 605–6
24	Narcissus Marsh	Robert Boyle	17 Feb. 1682/83	<i>Works</i> , vi. 607
25–6	Narcissus Marsh	Robert Boyle	30 April 1683	
27–8	Narcissus Marsh	Robert Boyle	24 Aug. 1685	<i>Works</i> , vi. 607–9
29–30	Narcissus Marsh	Robert Boyle	22 March 1685/86	<i>Works</i> , vi. 609–10
31–2	Thomas Marshall	Robert Boyle	24 Oct. 1676	<i>Works</i> , vi. 655
33	Aloysius Marsigli	Robert Boyle	20 March 1686 (NS)	
34–5	John Skeffington, 2nd Viscount Massereene	Robert Boyle	15 Dec. 1680	<i>Works</i> , vi. 600
36	Enclosure describing celestial phenomena		14 Dec. 1680	<i>Works</i> , vi. 600
37–8	John Skeffington, 2nd Viscount Massereene	Robert Boyle	8 Oct. 1690	<i>Works</i> , vi. 600–1
39	Streyndham Master	Dr. Master	9 Dec. 1678	
40–1	Increase Mather	John Lensden	12 July 1687	
42–3	John Matson Jr.	Robert Boyle	18 May 1676	
44–5	Guy de Mesmin	Robert Boyle	24 Feb. 1680 (NS)	
46	Guy de Mesmin	Theodore Haak	25 May 1680 (NS)	
47–8	Guy de Mesmin	Boyle [?]	25 May 1680 (NS)	
49	Guy de Mesmin	Robert Boyle	24 April 1683 (NS)	
50–1	Guy de Mesmin	Robert Boyle	24 May 1684 (NS)	
52–3	Guy de Mesmin	Robert Boyle	8 Dec. 1685 (NS)	

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Volume 4 cont.				
54-5	Guy de Mesmin [including book catalogue]	Dr. Mesmyn le fils		
56	G. Mezier	Fotherby	20 April 1689	
57-8	Henry Jones, Bishop of Meath	Robert Boyle	4 Aug. 1680	<i>Works</i> , i. clxxii-iii
59-60	Henry Jones, Bishop of Meath	Robert Boyle	3 May 1681	<i>Works</i> , i. clxxiv-vi
61-2	Henry Jones, Bishop of Meath	Narcissus Marsh	1 Aug. 1681	<i>Works</i> , i. clxxvi-vii
63-4	Henry Jones, Bishop of Meath	Robert Boyle	3 Sept. 1681	<i>Works</i> , i. clxxviii-ix
65-6	Henry Jones, Bishop of Meath	Robert Boyle	5 Nov. 1681	<i>Works</i> , i. clxxx-i
67-8	Anthony Dopping, Bishop of Meath	Robert Boyle	3 Aug. 1682	<i>Works</i> , i. clxxxii-ii
69-70	Anthony Dopping, Bishop of Meath	Robert Huntington	14 Dec. 1685	<i>Works</i> , i. clxxxii-iii
71-2	Ludovicus Molitor	Robert Boyle		
73-4	D. [?] Mollondin	Robert Boyle	11 Oct. 1685 (NS)	
75-6	Sir Robert Moray	Robert Boyle	15 July 1672	<i>Works</i> , vi. 453
77-8	Henry More	Robert Boyle	6 June 1665	<i>Works</i> , vi. 512-3
79-80	Henry More	Robert Boyle	27 Nov. 1665	<i>Works</i> , vi. 513
81-2	Dr. R. Morisone	Robert Boyle		
83-4	Allen Moulin	Robert Boyle	26 Feb. 1685/86	
85-6	John Nicholls	Robert Boyle	12 Sept. 1657	
87-8	Henry Oldenburg [transcript by Henry Miles]	Robert Boyle	10 June 1663	<i>Oldenburg</i> , ii. 65-8
89	Robert Boyle	Margaret Boyle, Countess of Orrery	28 Nov. 1682	<i>Works</i> , vi. 53-4
90-1	Comte d'Ostanne	Boyle [?]	5 Nov. 1690	
92-3	Comte d'Ostanne	Robert Boyle	9 June 1690	
94-5	Nicolaus Oudartius	Robert Boyle	12/22 Aug. 1672	
96-7	S. Pache	Robert Boyle	3/13 July 1676	
98-9	Denis Papin	Robert Boyle	22 March 1681 (NS)	
100-1	Pellegrini		11 July 1686	
102-3	Sir John Percivale	Robert Boyle	28 Oct. 1684	<i>Works</i> , vi. 660
104-5	James Drummond, 4th Earl of Perth	Robert Boyle	15 April 1685	<i>Works</i> , vi. 660-1
106	G. Pierre	Robert Boyle	23 Dec. 1677 (NS)	
107-8	G. Pierre	Robert Boyle	27 Jan. 1678 (NS)	
109	G. Pierre	Robert Boyle	17 March 1678 (NS)	
110-11	G. Pierre	Robert Boyle	24 March 1678 (NS)	
112-3	G. Pierre	Robert Boyle	11 April 1678 (NS)	
114	G. Pierre	Robert Boyle	21 April 1678 (NS)	
115-6	G. Pierre	Robert Boyle	13 May 1678 (NS)	
117-8	G. Pierre	Robert Boyle	17 May 1678 (NS)	
119-20	G. Pierre	Robert Boyle	30 May 1678 (NS)	
121-2	G. Pierre	Robert Boyle	24 July 1678 (NS)	
123-4	G. Pierre [cf. vol. 6, 37]	Robert Boyle	20 Aug. 1678 (NS)	
125-6	G. Pierre	Robert Boyle	25 June 1678 (NS)	
127-8	G. Pierre	Robert Boyle	21 Feb. 1678 (NS)	
129	Edward Pococke	Robert Boyle	3 Jan. 1660/61	<i>Works</i> , vi. 324

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
130–1	Edward Pococke	Robert Boyle	13 March 1660/61	<i>Works</i> , vi. 324–5
132–3	Edward Pococke	Robert Boyle	5 Oct. 1660	<i>Works</i> , vi. 323–4
134–5	Edward Pococke	Robert Boyle	2 Dec. 1662	<i>Works</i> , vi. 325
136	Joachim Polemann		12 Sept. 1659 (NS)	
137	Joachim Polemann		6 Feb. 1660 (NS)	
138–9	Polier	Robert Boyle	23 Dec. 1682 (NS)	
140–1	Polier	Robert Boyle	24 March 1683 (NS)	
142–3	Polier	Robert Boyle	26 June 1686 (NS)	
144–5	Walter Pope	Robert Boyle	10 Sept. 1659 (NS)	<i>Works</i> , vi. 636
146–7	Thomas Povey	Robert Boyle	8 May 1661	<i>Works</i> , vi. 637
148–9	D. Emanuel Privey		6 July 1679 (NS)	
150–3	Puerarius		27 Feb. 1672	

Volume 5

1–2	Thomas Ramsay	Robert Boyle	4 Dec. 1687	
3–4	Thomas Ramsay	Robert Boyle	22 Aug. 1689	
5–6	Thomas Ramsay	Robert Boyle	11 Feb. 1690/91	
7–8	Thomas Ramsay	Robert Boyle		
9–10	Gulielmus Randolph		25 Feb. 1669/70	
11–2	Katherine Jones, Viscountess Ranelagh	Robert Boyle	29 July 1665	<i>Works</i> , vi. 525–6
13–4	Katherine Jones, Viscountess Ranelagh	Robert Boyle	9 Sept. 1665	<i>Works</i> , vi. 526–7
15–6	Katherine Jones, Viscountess Ranelagh	Robert Boyle	6 Aug. 1665	<i>Works</i> , vi. 524–5
17–8	Katherine Jones, Viscountess Ranelagh	John Eliot	13 Aug. 1676	
19–20	Katherine Jones, Viscountess Ranelagh	Robert Boyle	7 Jan.	<i>Works</i> , vi. 521–2
21–4	Katherine Jones, Viscountess Ranelagh	Robert Boyle	14 Sept.	<i>Works</i> , vi. 532–4
25–6	Katherine Jones, Viscountess Ranelagh	Robert Boyle	18 Sept. 1966	<i>Works</i> , vi. 529–30
27–8	Katherine Jones, Viscountess Ranelagh	Robert Boyle	3 June	<i>Works</i> , vi. 522–3
29–30	Katherine Jones, Viscountess Ranelagh	Robert Boyle	n.d. [late 1645]	<i>Works</i> , vi. 534–5
31	Katherine Jones, Viscountess Ranelagh	Robert Boyle	12 Oct. [1653]	<i>Works</i> , vi. 523–4
32	Jo. Read			
33–5	[subsidiary items]			
36–7	Renaudot	Robert Boyle	5 March 1689 (NS)	
38–9	Renaudot	Robert Boyle		
40–1	P. Repington	Robert Boyle	25 July 1687	
42–3	Laurent Rinhuber	Robert Boyle	24 Sept. 1683	
44–5	Carolus Card. Robertius		1 Oct. 1667	
46–7	Carolus Ronaldinus	Robert Boyle	1 Sept. 1668 (NS)	
48	E. Rothmaler	Robert Boyle		
49–50	Edwin Sandys	Robert Boyle	11 Feb. 1668/69	
51	Robert Sharrock	Robert Boyle	13 Dec. 1661	
52–3	Andrew Sall	Robert Boyle	17 Dec. 1678	<i>Works</i> , vi. 591–3
54–5	Andrew Sall	Robert Boyle	5 April 1679	<i>Works</i> , vi. 593
56–7	Andrew Sall	Robert Boyle	29 June 1679	<i>Works</i> , vi. 593–4

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
Volume 5 cont.				
58-9	Andrew Sall	Robert Boyle	20 May 1680	<i>Works</i> , vi. 594
60-1	Andrew Sall	Robert Boyle	26 Oct. 1680	<i>Works</i> , vi. 595-6
62-3	Andrew Sall	Robert Boyle	7 Feb. 1681/82	<i>Works</i> , vi. 598-9
64	Andrew Sall	Robert Boyle	8 Nov. 1681	<i>Works</i> , vi. 596
65-6	Andrew Sall	Robert Boyle	19 Nov. 1681	<i>Works</i> , vi. 597
67-8	Andrew Sall	Robert Boyle	13 Dec. 1681	<i>Works</i> , vi. 597-8
68	Johann Friedrich Schlezer	Robert Boyle	14 March 1655/56	
69	Schroeders	Robert Boyle	7 Oct. 1674 (NS)	
70-1	William Seaman	Robert Boyle	5 Oct. 1664	<i>Works</i> , vi. 511
72-3	William Seaman	Robert Boyle	19 Oct. 1664	<i>Works</i> , vi. 511-2
74-5	William Seaman	Robert Boyle	1 May 1683	<i>Works</i> , vi. 512
76-7	Sephrozimez	Robert Boyle	6 April 1678	
78-9	Manfredo Settala	Oldenburg [?]	4 June 1670 (NS)	
80	John Sadler	Boyle [?]	9 Aug. 1677	
81-2	Robert Sharrock	Robert Boyle	26 Jan. 1659/60	<i>Works</i> , vi. 319-20
83	Robert Sharrock	Robert Boyle	16 Feb. 1660/61	
84-5	Robert Sharrock	Robert Boyle	21 Feb. 1660/61	
86-7	Robert Sharrock	Robert Boyle	[Feb./Mar. 1660/61]	
88-9	Robert Sharrock	Robert Boyle	9 April 1660	<i>Works</i> , vi. 320-1
90	Robert Sharrock	Robert Boyle	23 May 1660	
91	Robert Sharrock	Robert Boyle	8 Nov. 1660	
92-3	Robert Sharrock	Robert Boyle	16 Dec. 1660	
94-5	Robert Sharrock	Robert Boyle	29 Dec. 1660	
96-7	Robert Sharrock	Robert Boyle	7 Jan. 1664/65	
98	Robert Sharrock	Robert Boyle	13 July 1664	
99-100	Robert Sharrock	Robert Boyle	2 Oct. 1666	
101-2	Robert Sharrock	Robert Boyle	[24] Nov. 1660	<i>Works</i> , vi. 321
103,	Gothefredus à Sonnenberg	Boyle [?]	25 Oct. 1694	
104-9	Enclosed paper			
110-11	Gothefredus à Sonnenberg	Boyle [?]	3 May 1685	
112-3	Gothefredus à Sonnenberg	Robert Boyle	3 Aug. (NS)	
114-5	Robert Southwell	Robert Boyle	16 July 1658	<i>Works</i> , vi. 296-7
116-7	Sir Robert Southwell	Robert Boyle	20 March 1675	<i>Works</i> , vi. 301
118	John Spalding	Robert Boyle	28 June 1690	<i>Works</i> , i. cc-cci
119-20	Robert Boyle	John Spalding	18 Oct. 1690	<i>Works</i> , i. cci
	with miscellaneous copy letters etc., including An Account of the Design of Printing 3000 Bibles in Irish for the Use of the Highlanders, and James Ramsay, Bishop of Ross, et al. to James Kirkwood		15 Oct. 1688	<i>Works</i> , i. cxc-i, cxcix
121-2	Note concerning distribution of New Testaments in Highlands of Scotland			
123	Ezechiel Spanheim			
124-5	Gulielmus Spannut	Robert Boyle	12 Dec. 1664 (NS)	
126	James Stansfield [copy]	Samuel Hartlib		
127-8	Edward Stillingfleet	Robert Boyle	6 Oct. 1662	<i>Works</i> , vi. 462
129-30	George Stirke	Robert Boyle	3 Jan. 1651	
131-2	George Stirke	Robert Boyle	16 Jan. 1651	
133-4	George Stirke	Robert Boyle	26 Jan. 1651	

Reel Index—Boyle Letters Finding List

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<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
135-6	George Stirke	Robert Boyle	3 Feb. 1651/52	
137-8	John Christoph Sturm	Robert Boyle	1 March 1688 (NS)	
139-40	H. de Thevenot	Robert Boyle		
141-3	Enclosed extract with covering note			
144	Ezreel Tonge	Robert Boyle	17 March 1665	
145-6	Daubeney Turbeville	Robert Boyle	6 Oct. 1664	
147	Daubeney Turbeville	Robert Boyle	17 Nov. 1664	
148-52	Paolo Ulpiani		30 April 1661 (NS)	
153	Johann Unmussig	Robert Boyle	1 March 1653/54	
154-5	Johann Unmussig	Robert Boyle	3 Sept. 1655	
156-7, 158-9	Victor Amedee		2 June 1690	
160-1	Jean Rodolf Villadin	Robert Boyle	11 Feb. 1683	
162-3	Jean Rodolf Villadin	Robert Boyle	6 or 17 May 1683	
164-5	Jacobus Viscardius	Robert Boyle	26 March 1686	
166-7	Vincenzio Viviani	Robert Southwell	6 Oct. 1660 (NS)	
168-9	Vincenzio Viviani	"Gran Duca"		
170-1	John Wallis	Sir Robert Moray	6 May 1662	<i>Works</i> , vi. 455
172-3	John Wallis	Robert Boyle	29 April 1665	<i>Works</i> , vi. 458
174-5	John Wallis	Robert Boyle	17 July 1669	<i>Works</i> , vi. 458-60
176	John Warr, Senr	Robert Boyle		
177-8	Ed. Warren	Dr. Goodall	26 Sept.	
179-80	Mary Rich, Countess of Warwick	Robert Boyle	30 July	<i>Works</i> , vi. 622-3
181-2	Mary Rich, Countess of Warwick	Robert Boyle	29 Dec.	<i>Works</i> , vi. 623
183-4	Mary Rich, Countess of Warwick	Robert Boyle		<i>Works</i> , vi. 622
185-6	Mary Rich, Countess of Warwick	Robert Boyle		<i>Works</i> , vi. 622
187-8	Richard Whiteway	Robert Boyle	12 Oct. 1667	
189-90	Heneage Finch, 2nd Earl of Winchelsea	Robert Boyle	17 Dec. 1682	
191-2	Heneage Finch, 2nd Earl of Winchelsea	Robert Boyle	13 Oct. 1685	<i>Works</i> , vi. 661-2
193-4	Heneage Finch, 2nd Earl of Winchelsea	Robert Boyle	16 June 1683	
195	Henry Wilson	Robert Boyle	17/27 May 1679	
196	Hermann Wingendorp		1 May 1689	
197-8	John Winthrop	Robert Boyle	29 July 1662	
199	Enclosure			
Volume 6				
1-2	Robert Boyle	Lady Elizabeth Hussey	6 June 1648	<i>Works</i> , vi. 46-7
3	Robert Boyle	Samuel Hartlib [?]	23 July 1649	<i>Ann. Sci.</i> , 17 (1961), 165-6
4	Robert Boyle		3 April 1658	
5	John Beale		4 June 1658	
6	John Beale		17 Aug. 1658	
7-8	G. H[orne]		25 April 1659	
9-10	Henry Oldenburg	Robert Boyle	7 May 1659 (NS)	<i>Oldenburg</i> , i. 245-7
11-2	John Wallis	Robert Boyle	14 March 1661/62	

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
Volume 6 cont.				
13-4	Newsletters from Cleves, Amsterdam		7-8 Sept. 1661 (NS)	
15-6	Christiaan Huygens [cf. vol. 3, 49]	Sir Robert Moray	30 Sept. 1661 (NS)	Huygens, <i>Oeuvres Complètes</i> , 22 (The Hague, 1950), 71-3
17-8		Frederick Clodius	21 April 1662	
19-20		Robert Boyle	26 Oct. 1665	<i>Works</i> , i. lxx-i
21	R W[arton]		23 Jan. 1676/77	
22-3		"Madame"	11 Feb. 1677 (NS)	
24-5	[Illegible]	Robert Boyle	11 Sept. 1676	
26	Robert Boyle	Joseph Glanvill	10 Feb. 1677/78	<i>Works</i> , i. xcvi, vi. 59-60
27-8		Worsley [?]	25 Aug. 1677	
29-30	[weather notes]	Robert Boyle	Jan. 1678/79	
31-2		Robert Boyle	June 1678	
	[Enclosing weather notes]			
33-4	Henri Justel	Robert Boyle	21 May 1678 (NS)	
35-6		Robert Boyle	28 May 1676	
37	[Attempt to decipher vol. 4, 123]		20 Aug. 1678 (NS)	
38	Robert Boyle		10 Dec. 1673	<i>Works</i> , i. ci-ii
39-40	Guy de Mesmin	Robert Boyle	1/11 Jan. 1678/79	
41-2	D. S.	Robert Boyle	26 Feb. 1680 (NS)	
43		le Ménille	17 July 1680 (NS)	
46-7	E. Rothmaler	Robert Boyle	1685	
48-9	D.S.G. [Saingermain?]	Robert Boyle	14 April 1685 (NS?)	
50-1	[de Saingermain]	Robert Boyle	25 Dec. 1685 (NS?)	
52	Robert Boyle	Gilbert Burnet	10 July 1686	<i>Works</i> , vi. 626-7
53	P. S.		29 April 1688	
54-5	Sir Robert Southwell	Robert Boyle		
56-7	Robert Boyle [cf. vol. 6, 97-8]	Henry Oldenburg	n.d. [c. 1667/68]	<i>Oldenburg</i> , iv. 98-9
58-9	Robert Boyle	Robert Thompson	5 March 1677	<i>Works</i> , i. cviii-ix
60-1	Daubeney Turbeville	Robert Boyle		
62-5	John Clayton	Robert Boyle	n.d. [1687]	E. and D. S. Berkeley, eds., <i>The Revd. John Clayton</i> (Charlottesville, 1965), 10-20
66-7	Robert Boyle	Richard Barry, 2nd Earl of Barrymore	n.d. [1650]	<i>Works</i> , i. xliii-iv
68-9	Robert Boyle	L. B. L. [Lord Bishop of Lincoln]		
69v	Robert Boyle	Sir H. W.	17 June 1684	
70-1	A Privy Counsellor of Elector of Brandenburg	Samuel Hartlib		
72-3		Frederick Clodius		
74-5		Pierre		
76-7	B. R.	Robert Boyle		
78-9	R. E.[en]a[u]D[ot]	Robert Boyle	17 Aug.	
80-1	[Renaudot]	[Robert Boyle]		
82	Cardinal de Medici			
83-4				

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
85	J. H.	Hartlib [?]	24 March 1659 (NS)	
86–7		Robert Boyle		
88				
89–90	A. [R?] W. Andersone, et al.	Robert Boyle		
91–2	John Leverett, et al.	Robert Boyle	10 May 1673	<i>Works</i> , i. ccxvi–viii
93–4	Robert Boyle	John Eliot	n.d. [1681]	
95	Robert Boyle			
96		Robert Boyle	24 Oct.	
97–8	Robert Boyle [cf. vol. 6, 56–7]	Henry Oldenburg	n.d. [c. 1667/68]	<i>Oldenburg</i> , iv. 98–9
99–100	George Stirke	Robert Boyle		<i>Isis</i> , 78 (1987), 569–74

Volume 7

1	[Benjamin Worsley]	Samuel Hartlib	18/28 May 1649	
2		Samuel Hartlib	1/11 June 1649	
3	John Beale	Hartlib [?]	18 Jan. 1656/57	
4		Samuel Hartlib	20, 26 Jan. 1656/57	
5	John Beale [Including "Mr. Woods Answer"]	Robert Wood	14 Aug. 1657 and 8 Sept. 1657	
6	John Beale	"For Mr. Austin"	8 Sept. 1657 and 28 Aug. 1657	
7	John Beale		11 Sept. 1657 and 15 Sept. 1657	
8	John Beale	Boyle [?]	9 April 1658	
9	John Beale		21 May 1658	
10	John Beale		6 July 1658	
11	John Beale		10 and 15 Sept. 1658	
12	John Beale		16 Sept. 1658	
13	John Beale		6 March 1658/59	
14	[?] and John Beale		4 July 1659 and 21 July 1659	
15		Hartlib [?]	11 July 1659 (NS)	
16	Richard Jones	Boyle [?]	13 Dec. 1659	
17	Robert Southwell	Henry Oldenburg	1 March 1660 (NS)	<i>Oldenburg</i> , i. 355–6
18	Sir Robert Moray	Robert Boyle	11 Oct. 1661	
19	Henry Power	William Croone	27 Oct. 1661	
20	Robert Southwell	Henry Oldenburg	15 May 1663	<i>Oldenburg</i> , ii. 52–5
21	James Long	Henry Oldenburg	22 Oct. 1663	<i>Oldenburg</i> , ii. 121–2
22	James Long	Henry Oldenburg	13 April 1664	<i>Oldenburg</i> , ii. 171–3
23	Nathaniel Foxcroft	Robert Boyle	11 Sept. 1666	
24	Andrew Clenche	Robert Boyle	1 Aug. 1667	
25	John Wallis	Robert Wood	10 March 1669/70	
26	John Wallis	Robert Wood	4 Aug. 1670	
27	Daniel George Morhof	Henry Oldenburg	3 Nov. 1670	<i>Oldenburg</i> , vii. 229–34
28		Robert Boyle	26 Oct. 1675	
29	Francis Parker	Dr. Micclethwaite	20 July 1676	
30	John Sadler	Robert Boyle	28 March 1678	
31	James Gordoune	Robert Boyle	3 Nov. 1679	
32	[?] Gordoune	Katherine Jones, Viscountess Ranelagh	29 June 1680	
33	Thomas Lloyd	Boyle [?]	31 July 1682	

<i>Folio No.</i>	<i>From</i>	<i>To</i>	<i>Date</i>	<i>Published</i>
Volume 7 cont.				
34	Thomas Broughton	William Avery	25 Sept. 1682	
35	Allen Moulin	Boyle [?]	2 Dec. 1682	
36	Hezekiah Usher	Robert Boyle	8 Dec. 1682	
37	George Shove		4 April 1684	
38	Ed. Randolph	Robert Boyle	13 Oct. 1684	
39	Francis Jessop	Francis Aston	19 Oct. 1685	
40	Lodowick Jackson [Enclosing printed advertisement]	Robert Boyle	27 Sept. 1686	
41	Pa. Adair	Robert Boyle	13 Jan. 1686/87	
42	Edward Southwell	Edmond Halley	7 April 1688	
43	J. Harrison	Robert Boyle	9 Oct. 1688	
44	J. Harrison	Robert Boyle	5 Oct. 1688	
45	Pa. Adair	Robert Boyle	15 Nov. 1688	
46 & 47	William Cole	Richard Waller	25 Oct. 1689	
48	William Cole	Robert Boyle	29 Nov. 1689	
49	Miles Symner		13 March	
50	J[ohn] D[ury] [Includes extracts of letters from Culpeper and Worsley]		[1655]	
51	Maurice Lund	Sir Maurice Berkeley		
52	Maurice Lund			
53	F. Clodius [Imperfect; includes miscellaneous recipes, extracts, etc., including letters from Serrarius and Dury to Hartlib, Sept. 1661]		[1661]	
54	Matters and Experiments recommended to the care of Mr. Robert Boyle [by the Royal Society]		[1661–65]	
55	Beale [?]	Samuel Hartlib		
56	Robert Southwell	Henry Oldenburg	19 Sept. 1661	<i>Oldenburg</i> , i. 433–4
57	J. Durant	Robert Boyle	9 Feb. 1673/74	<i>Phil. Trans.</i> , 44 (1746), 221–4

Reel 3

The Boyle Papers

Volume Folio
Frame No. Frame No.

0001 **Volume One, Theology**
(Folio-size volume; foliated; 176 folios)

Material relating to *The Christian Virtuoso*, ranging from continuous sections occupying a number of pages to single leaves and pasted-down notes on scraps of paper. Topics dealt with include reason, its role and limitations and its relation to revelation; atheists' arguments and their refutation; arguments in favor of Christian belief, including the need to accept miracles and things beyond our understanding; and God's nature and attributes. Occasional extraneous items occur, including an extract from the "Confession of Faith of Patriarch Cyril Lucaris," published in 1633 (fol. 124a). Much of this material was used by Henry Miles for his edition of the second part of *The Christian Virtuoso* (*Works*, vi. 717f.). In addition, he transcribed sections of it in volumes 5 and 7.

Hands: mostly Bacon, but some passages by Smith, and a few by Greg, Boyle (esp. fol. 73b) and others.

0180 **Volume Two, Theology**
(Folio-size volume; foliated; 202 folios)

- | | | |
|------|------------|---|
| 0181 | F 1–37. | Papers responding to atheists' arguments, including those of Epicurean atomism. Hands: Bacon, Warr, B, and miscellaneous. 38 frames. |
| 0218 | F 38–75. | Draft material for <i>Some Considerations about the Reconcilableness of Reason and Religion</i> (<i>Works</i> , iv. 151f.), with some more miscellaneous material. Hands: E, Bacon (fols. 58, 61–2), and Warr (fols. 63–5). 38 frames. |
| 0256 | F 76–7. | Cover sheet and list of contents. Hand: Warr. 2 frames |
| 0258 | F 78–92. | Impediments to belief: erroneous doctrine, atheists' mistakes. Hands: Uncertain, Warr. 15 frames. |
| 0273 | F 93–7. | Things apparently contrary to nature and reason. Hand: E. 5 frames. |
| 0278 | F 98–9. | Cover sheet. Hand: Warr [?]. 2 frames. |
| 0280 | F 100–10. | Discourse in reply to argument that incorporeal things cannot have effects on corporeal ones, also commenting on mistakes and personal failings of atheists. Hands: Bacon, Warr. 11 frames. |
| 0291 | F 111–38. | Evidence for God, importance of revelation and afterlife, and limitations of men and natural laws. Hand: E. 29 frames. |
| 0320 | F 139–51. | Notes on causes of atheism and "A Fragment of the Essay De Spontaneo Viventium Ortu"—proof of the Creator in the phenomena of nature (cf. <i>Works</i> , i. ccxxxviii and <i>Oldenburg</i> , i. 293 and n.) (fols. 141–2). Hands: Warr, Bacon. 14 frames. |
| 0334 | F 152–85. | Protestant polemic against Catholic practices: early 17th century [?]; some original pagination; some sheets slightly damaged and the opening ones appear to be missing. 34 frames. |
| 0368 | F 186. | Passage condemning verbose and flowery writing that lacks substance. Hand: early Boyle. 1 frame. |
| 0369 | F 187–90. | Draft material for <i>Free Enquiry into the Vulgarly Receiv'd Notion of Nature</i> . Hands: B, Boyle. 4 frames. |
| 0373 | F 191–8. | Latin theological tract entitled "Introductio ad soluta Theologica nostra Adversaria." Hand: Ramsay. 8 frames. |
| 0381 | F 199–202. | Comments on types of experience: linked to part of text of "Greatness of Mind Promoted by Christianity," <i>Works</i> , v. 550–64. Some damage to text. Hand: Unknown. 4 frames. |

Volume Folio
Frame No. Frame No.

0385 **Volume Three, Theology**
(Folio-size volume; foliated; 164 folios)

- 0386 F 1–11. Notes under the running title “Miscellanea” on the word Amen, trust in God, fear of shame and punishment, the exercise and increase of faith, etc.; original pagination, pp. 43–65. Hand: Warr. 12 frames.
- 0398 F 12–13. Lessons in life and faith from a passage in the Epistle to the Philippians. Hand: Warr. 1 frame.
- 0399 F 14–38. Notes on Luther’s sermons and commentaries dealing with life, faith, calamities, prayer, meditation, true and false wisdom, unbelief, covetousness, hope, temptation, etc. Hand: Warr. 23 frames.
- 0422 F 39–58. More religious notes, evidently based on extracts from Twisse’s *Doctrine of the Synod of Dort* (1650?) and Rutherford’s *Influence of the Life of Grace* (1659). Headings include “De Praedestinatione,” “Decrees,” “Faith,” “Reprobation,” “Workes,” “Power of God,” “Fear,” “Liberty,” “Order,” and “Punishment”; also note of some Arminian mistakes. Hand: Warr. 13 frames.
- 0435 F 59–63. Miscellaneous leaves of theological notes dealing with God’s attributes, types of predictions of Christ, articles of Christian faith, etc. Hands: Warr, Unknown. 5 frames.
- 0440 F 64–73. Theological notes and Biblical references. Sheets folded and written in double columns. Hand: Unknown. 10 frames
- 0450 F 74–82. Letter on a theological dispute addressed to “My much Respected friend Mr. W.C. minister of God’s word att S. in Somersetshire”; detailed replies to a number of points made in a letter by theological adversary, T. C., refuting accusations that the author is pro-Pelagian and questioning his rival’s learning. Author unknown but signs himself “J. M.” from “St. A.”; dated 11 March 1674. Holograph [?]. 8 frames.
- 0458 F 83. “Periochae capitum Novis Testamenti: Liber S. Matthaei/Marci Evangelistae”: Latin verse list of contents from two of the gospels. Hand: Unknown. 1 frame.
- 0459 F 84–9. Material on proof of Christianity and evidence of miracles and “The Praeface to the Collections about The Truth of the Christian Religion” (pencil title); partly printed in *Works*, vi. 717f. Hands: Smith, G, B, Boyle, Bacon. 6 frames.
- 0465 F 90. Four extracts on religious topics from books by Lord Brook and Mr. D’Espaigne. Hand: early Boyle. 1 frame.
- 0466 F 91–2. “Of the Study & Exposition of the Scriptures. Essay the VI.” Hand: early Boyle. 2 frames.
- 0468 F 93–4. Copy of Huguenot convert’s profession of Catholicism. Hand: Unknown. 2 frames.
- 0470 F 95. Comments on work on piety by an unnamed female author. Hand: early Boyle. 1 frame.
- 0471 F 96–7. Passage of text concerning evidence of the Creator found in his lesser animal creations. Hand: 1650s. 2 frames.
- 0473 F 98–9. Notes on the meaning of various numbers in the Book of Revelation as predicting the overthrow of Rome. Hand: Greg. 2 frames.
- 0475 F 100–1. Cover sheet with endorsement by Miles; reused from letter, with seal. 1 frame.
- 0476 F 102–114. Papers on miracles, including notes for a paper against Spinoza (fols. 102–3), “About the Miracle wrought on Whitsunday” (fols. 104–8), and reply to argument of impossibility of miracles (fols. 111–4). Fols. 102–3, 106, and 109–10 printed in Colie, “Spinoza,” 216–8. Cf. BP 7, fols. 95f. Hands: Bacon, D, Clodius [?]. 11 frames.
- 0487 F 115–20. Paper on complementary nature of reason and revelation. Hand: D. 6 frames.
- 0493 F 121–3. “The Motives & reasons occasioning the Roman Catholicks of this Kingdome [Ireland] to take upp Armes” [i.e., in the 1640s]. Hand: Unknown. 3 frames.

<i>Volume Frame No.</i>	<i>Folio Frame No.</i>	
0496	F 124	Comments on recent tract entitled "An unerrable Church or none, being a rejoinder to the unerrable Church against Dr. Salls reply intituled the Catholick Apostolick Church of England, written by J.S. and dedicated to the Duke of Ormonde." Hand: Unknown. 1 frame.
0497	F 125–6.	Notes on three motives to oblige man to God for his works, and list of Biblical texts with notes on sources. Hands: Greg, Uncertain. 3 frames.
0500	F 127–34.	"An Account of Religion in the Plantations drawne up at the Instance of some Gentlemen Members of the Honourable House of Commons, & then presented to the Lord Bishop of Winton...by Morgan Godwyn Clerke....," followed by copy of two certificates from ministers in Virginia, one dated 1669, and letter signed William Berkeley, 11 April 1671. Hand: Warr. 8 frames.
0508	F 135–6.	Draft of statement for Boyle's brother stating that Boyle has the right to dispose of certain property of his [the brother's], administered by Boyle, dated "this-day of July 1691," and index of topics in Twisse's book against Cotton. Hand: Warr. 2 frames.
0510	F 137–41.	Notes on Boyle's casuistical interviews with Edward Stillingfleet, bishop of Worcester, and Gilbert Burnet, bishop of Salisbury, June 1691, published in Michael Hunter's "Casuistry in Action" (see Introduction, page xviii.) Hand: Warr. 5 frames.
0515	F 142–50.	Miscellaneous theological notes, including notes on God's design in the creation and the use and necessity of prayer; "A Miscellaneous Collection [of Christian thoughts]," the first page of a series of philosophical and theological thoughts, dated as "Begun March the 25th, 1648/9" (fol. 146); etc. Hands: Greg, Warr, early Boyle, Uncertain, Bacon. 9 frames.
0524	F 151–60.	Pages 12–27 and 32–5 of Latin translation of <i>Seraphic Love, Works</i> , i. 243–93. For remainder of text, see BP 6, fols. 246f. Hand: Uncertain. 11 frames.
0535	F 161–4.	"An Act to reprove certain Discouragements & Hinderances of the Conversion of Infidels": copy of act to stop slaveowners forbidding the baptism of slaves lest they become free, and laying down some rules for treatment of Christian slaves. Large sheets. Hand: Unknown. 2 frames.
0537	Volume Four, Theology (Folio-size volume; foliated; 183 folios)	
0538	F 1–7.	Theological notes, including a number of pasted-up slips, dealing with God's wisdom, piety, miracles, views of philosophers, reason and authority, etc. Hand: mainly Bacon. 7 frames.
0545	F 8–25.	"A Letter to Mr. H. O[Idenburg] that may serve for a kind of Preamble to the following first Part of the design'd Paper viz. about the good Offices Revelation dos to Reason, and also to the 2nd Part about the good Offices Reason may do Revelation." Intended as preamble to <i>Reason and Religion</i> . Hands: Warr, Uncertain. 19 frames.
0564	F 26–37.	"Livres Touchant le verité de la Religion chretienne": details of works on truth of Christianity, divided into sections covering successive centuries from the first to the seventeenth; two copies, one comprising fols. 26–7 and 36–7 and the other fols. 28–35, the first imperfect. Hands: Bacon, Uncertain. 12 frames.
0576	F 38.	Vellum coversheet with various endorsements. 1 frame.
0577	F 39–46.	Natural observations, reflections, and memoranda on such topics as the chemical composition of substances, acid and alcali, the porcupine, qualities of small bodies, criteria afforded by experiments, reason and experience, gems, glaciation, and agitation in red-hot bodies. Pasted-up notes. Hand: Bacon. 8 frames.

Volume Folio
Frame No. Frame No.

Volume Four cont., Theology

- 0585 F 47–51. Longer theological notes on divine truth and importance of Pentecost. Hand: Bacon. 4 frames.
- F 52–8. Accidentally omitted from foliation.
- 0589 F 59. Note by Miles on content of printed edition of *Usefulness of Experimental Natural Philosophy*, reused as coversheet. 1 frame.
- 0590 F 60–76. Miscellaneous papers relating to theological treatises by Boyle, including prefatory material; sections of text on reason and revelation, on miracles (fols. 69–72, 75–6), and the diversity of religions (fol. 74); list of arguments “About Atheism” and “The Heads of the Discourse of the Excellency of Christianity” (fol. 67). Hands: Bacon, Uncertain. 17 frames.
- 0607 F 77–100. Pasted-up notes and individual sheets grouped by Miles as relevant to *The Christian Virtuoso*, dealing especially with the evidence of design in the universe, the proper method of the Christian philosopher, and answers to objections to the credibility of the gospels (fols. 98–9). Some printed in *Works*, vi. 717f. Hand: Bacon (except for fol. 87a, in Smith’s hand). 23 frames.
- 0630 F 101–52. Miscellaneous papers dealing with seventeenth-century religious matters, including: copy of petition of Archbishop Sancroft and others against Declaration of Toleration, 1688 (fol. 101); papers about translation/printing of Bible in Irish, Lithuanian, etc. (fols. 102–16); evangelical work in Wales, Barbados, and America (fols. 117–28, 144–7); case of images in parish church at Moulton, Lincs., 1683/84 (fols. 132–4; cf. Thomas Barlow, *Several Miscellaneous and Weighty Cases of Conscience* (1692) and *Works*, vi. 306–7, 311f.); letters of Alexander Henderson, August 1641, on Church government (fols. 136–7); other papers on religious policy of the 1640s and 1650s (fols. 129–31, 138–43); provision of Turkish lexicon (fols. 148–9); copy of Edict of Potsdam, 1685 (fols. 150–2). Hands: Various. 51 frames.
- 0681 F 153–162. “Omissa et emendanda in Harmonia Evangeliorum”: list of corrections to German work. Hand: Unknown. 9 frames.
- 0690 F 163. Latin catechism. Hand: Bacon. 1 frame.
- 0691 F 164–5. Will of [William] Noyes (in Latin). Hand: Unknown. 1 frame.
- 0692 F 166. Plan for Boyle lectureship. Hand: Burnet. 1 frame.
- 0693 F 167–74. Theological note–book. Hand: Uncertain. 4 frames.
- 0697 F 175. Specimens of Hebrew and Arabic, by Thomas Hyde [?]. Cf. BP 11, fols. 323–4. 5 frames.
- 0702 F 176–8. Tabular summary of books of Old Testament. Early seventeenth-century [?]. 3 frames.
- 0705 F 179–80. Variants of text on fol. 166. Hands: Bacon, Uncertain. 3 frames.
- 0708 F 182. Latin notes on proper method of understanding scriptures. Hand: Bacon. 1 frame.
- 0709 F 183. Cover sheet. 1 frame.

Reel 4

0001 **Volume Five, Theology**
(Folio-size volume; foliated; 112 folios)

- 0001 F 1–15. *Christian Virtuoso* material: includes reflections on usefulness of qualities of philosopher, relationship of reason and revelation, divine attributes, mysteries of faith, etc. Notes written on sheets or pasted-up; original pagination, suggesting that series incomplete. Largely Miles’s copies of material in BP 1, made in 1742. 17 frames.

Volume Frame No.	Folio Frame No.	
	0018	F 16–34. Introductory material to Boyle's "Loose Notes Theological," including reflections after reading Pascal. Hand: mainly Bacon. 19 frames.
	0037	F 35–48. Miscellaneous theological notes and fragments: refutation of atheists, imperfection of human reason, God's design, advantages of religion, auxiliary proofs for Christianity, etc., and things to remember (fol. 47); some pasted-up notes. Hands: Bacon, Warr, Boyle, Greg. 13 frames.
	0050	F 49–59. Continuous section of text on excellency of Christianity and why it deserves our assent. Hands: Bacon, Greg (fols. 51–2). 11 frames.
	0061	F 60–110. Further miscellaneous theological notes and sections of text, including commentary on 1 Corinthians 15, 19 (fols. 62–7); sections of text and notes on the conversion of infidels; notes on reason and revelation, God's attributes and other religious topics, many relevant to <i>The Christian Virtuoso</i> and some printed in <i>Works</i> , vi. 673f. One section (fols. 86–8) endorsed in pencil "An Invitation to endeavor the Conversion of Infidels, To Dr. A.D."; others comprise pasted-up notes. Hand: mainly Bacon. 47 frames.
	0108	F 111–2. Miles's cover sheet and list of contents. 2 frames.
0110	Volume Six, Theology (Folio-size volume; foliated; 374 folios)	
	0111	F 1–48. <i>Dissertatio de Rebus Rationem Transcendentibus</i> and <i>Monita quaedam de Rebus Rationem Transcendentibus</i> : Latin translation of <i>Discourse of Things above Reason</i> and <i>Some Advices in Judging of Things Said to Transcend Reason</i> , <i>Works</i> , iv. 406–68. Hand: M. 47 frames.
	0158	F 49–77. Related Latin dialogue: "Dissertatio IV. quo in sensu Religio Christiana rationi conformis sit, et quo in sensu eidem contraria dici possit"; the speakers are "Val[erius]," "Lactan[tius]," "Torq[uiatus]," "Aemil[ilius]." Hand: M. 29 frames.
	0187	F 78–155. Latin texts responding to Roman Catholic attacks on Edward Stillingfleet's <i>Discourse concerning the Idolatry practised in the Church of Rome</i> (1671), dated 1673, comprising: (i) preface and contents-list, fols. 78–83; (ii) "Examinatio Libelluli, qui inscribitur Dr. Stillingfleetus adversus Drem. Stillingfleetum," unpublished tract replying to [John Warner] <i>Dr Stillingfleet against Dr Stillingfleet or, the Palpable Contradictions committed by Him in charging the Roman Church with Idolatry, Danger of Salvation in her Communion, Fanaticisme, and Divisions in Matters of Faith</i> (1671), fols. 84–107; (iii) "Responsio ad Libellum qui intitulatur, Principia Dris. Stillingfleeti considerata," reply to [Abraham Woodhead], <i>Stillingfleets Principles, Giving an Account of the Faith of Protestants, Considered by N.O.</i> (1671), fols. 108–55. Hand: Warr sen. 78 frames.
	0265	F 156–181. <i>Rationis et Religionis Concordia</i> : Latin translation of <i>Some Considerations about the Reconcilableness of Reason and Religion</i> , <i>Works</i> , iv. 157–90. Hand: M. 25 frames.
	0290	F 182–96. "Observationes de distinctione quadam Theologica": Latin translation of "Reflections upon a Theological Distinction," <i>Works</i> , v. 541–9 (incomplete at start). Hand: M. 16 frames.
	0306	F 197–220. "Magnanimitas sublimata a Religione Christiana": Latin translation of "Greatness of Mind Promoted by Christianity," <i>Works</i> , v. 550–63. Hand: Ramsay. 22 frames.
	0328	F 221–45. "De Natura Gratiae efficacis Ad Amicum Dissertatio": Latin treatise. Hand: Unknown. 25 frames.
	0353	F 246–63. Pages 8–11, 28–31 and 36–63 of Latin translation of <i>Seraphic Love</i> , <i>Works</i> , i. 243–93. For other parts of the text, see BP 3, fols. 151–60, and below, fols. 275–8. Hand: Uncertain. 18 frames.

Volume Folio
Frame No. Frame No.

Volume Six cont., Theology

- 0371 F 264–74. “Observationes de distinctione quadam Theologica”: Latin translation of “Reflections upon a Theological Distinction,” *Works*, v. 59–65. Hand: Uncertain. 12 frames.
- 0383 F 275–8. Pages 1–7 of Latin translation of *Seraphic Love*, including dedication to the Countess of Warwick and “Monita ad Lectorem”. Hand: Uncertain. 4 frames.
- 0387 F 279–91. “Quod Diversitate ac Multitudine Religionum Prudentior Christianus Commoveri Nullus Debeat,” Latin version of unpublished tract. Hand: M. 3 frames.
- 0400 F 292–5. *Christ mediateur*: incomplete treatise in French on the royalty and prophetic role of Christ and the “Epître de St. Paul aux Hebreux.” Hand: Unknown. 4 frames.
- 0404 F 296–331. “Considerations, and other Thoughts, layd together, and to be rang’d, inlarg’d, & corrected, in order to a short Tract of the Causes and Cure of Atheisme”: text on causes and remedies of atheism, including observations on what makes men atheists, their vulnerabilities, and how to convert them; hindrances in our imperfect minds understanding God. Continuous pagination. Hands: Uncertain, B, Warr. 36 frames.
- 0440 F 332–61. *Reflections Sur le Style de l’Ecriture Sainte*: French translation of *Some Considerations touching the Style of the Holy Scriptures*, *Works*, ii. 256–322. Hand: Uncertain. 30 frames.
- 0470 F 362–74. “De La Metaphysique ou des Substances intelligentes”: book 1, part 1 of French philosophical tract. Hand: Unknown. 14 frames.

0484

Volume Seven, Theology

(Folio-size volume; foliated; 296 folios)

- 0485 F 1–94. “Essay of the holy Scriptures,” dealing with the need to study scripture, importance of faith, minor points that infidels object to, restrictions of reason, proofs of divine truth including the special style of writing in the Bible, etc. Original pagination (fols. 93 and 94 misbound); incomplete at end. Used in *Style of the Scriptures* (*Works*, ii. 247–322) and partly printed by Birch in *Works*, i. xlviii–l. Hand: Uncertain. 94 frames.
- 0579 F 95–104. Notes and longer sections of text concerning miracles. Hand: Bacon. 9 frames.
- 0588 F 105–11. “Some Considerations about Miracles, as they are pleadable for the Christian Religion” (pencil title). Printed in Colie, “Spinoza,” 211–3 (misattributed to BP 3). Hand: Warr. 7 frames.
- 0595 F 112–25. Further papers dealing with various aspects of miracles, including their proof and meaning and the difference between divine and diabolical. Fols. 112–7, 120–3 printed in Colie, “Spinoza,” 213–6, 218–9. Hands: Bacon (fols. 112–7), Smith (fols. 118–9), C [?] (fols. 120–3), G (fols. 124–5). 16 frames.
- 0611 F 126–7. Fragment of dedicatory material to a moral treatise, probably *Free Discourse against Customary Swearing*. Hand: early Boyle. 2 frames.
- 0613 F 128–33. “Scripture–Reflections”: two “decades” of brief reflections, addressed to Lady Penelope Brooke (late 1640s), with title only of third decade. Misbound: the order should be fols. 128, 132, 131, 129–30. Hand: early Boyle. 6 frames.
- 0619 F 134–50. Dialogue on good and evil spirits, preceded (fols. 134v–5) by arguments on either side. Hand: Uncertain. 16 frames.
- 0635 F 151–70. “Some Theologicall notes of my owne. Belong to the observations about some causes of Atheism”: series of brief passages. Hand: B. 20 frames.
- 0655 F 171–6. Discourse “Against Popery,” by Sir Henry Wotton’s former chaplain; dated 1603. Hand: Unknown. 6 frames.
- 0661 F 177–82. Answers to Hobbes’s response to queries on religion. Hand uncertain. 6 frames.

Volume Frame No.	Folio Frame No.	
	0667 F 183–5.	Text concerning the inferences to be drawn from the fact and manner of the successful promulgation of Christianity, partly used in “Greatness of Mind”, <i>Works</i> , v. 550–64. Hand: Smith. 3 frames.
	0670 F 186–93.	“Postscript”: material relating to <i>Notion of Nature</i> . Hands: B, with adds. by Boyle. 8 frames.
	0678 F 194–215.	Prefatory material to work on truth of Christian religion, dealing with its scope, method, and style. Hand: Warr. 3 frames.
	0701 F 216–32.	Animadversions [by Thomas Barlow, Bishop of Lincoln] on [E. Lydeott], <i>The Prodigal return'd Home</i> (1684). Two copies of Barlow’s work, dated 1684, the first (fols. 216–21) a copy by Bacon of fols. 227–32, which is in an unknown hand but has additions in the hand of Barlow; fols. 222–6 contain additional anti-Catholic material in Bacon’s hand. 17 frames.
	0718 F 233–46.	Transcript by Miles of theological material by Boyle, including material relating to <i>Reason and Religion</i> , especially from BP 1, fols. 148–62, and BP 4, fols. 8–25, 60f. 14 frames.
	0732 F 247–52.	Further copies of theological notes in hand of Miles, including “Some Considerations about The Idea of a Being Infinitely Perfect,” some copied from BP 2, fols. 8–25, 148–62. Cf. related material by Miles in BP 5. 6 frames.
	0738 F 253–60.	Continuous section of text dealing with the wisdom of God as evidenced in the natural order, endorsed as belonging to <i>Christian Virtuoso</i> . Hand: Bacon. 6 frames.
	0744 F 261–8.	Draft material for “Reflections upon a Theological Distinction,” <i>Works</i> , v. 541–6. Hand: Bacon. 8 frames.
	0752 F 269–87.	“The Daily Reflection.” Printed in Harwood, <i>Essays and Ethics</i> , 203–35. Hand: early Boyle. 19 frames.
	0771 F 288–90.	“The Life of Joash”: biographical account based on Bible. Hand: early Boyle (draft material, including petition by John Jay, on fol. 290v). 3 frames.
	0774 F 291.	“Self-Conversation”: text concerning importance of getting to know oneself. Hand: early Boyle. 1 frame.
	0775 F 292–3.	“Question Whether poligamy be in any Case lawfull under the Gospel.” Unknown hand (early seventeenth-century [?]). 2 frames.
	0777 F 294–6.	Notes on content of “Epistolae ad Hebraeos.” Hand: Unknown. 3 frames.

Reel 5

0001 Volume Eight, Philosophy (Folio-size volume; foliated; 212 folios)

0002	F 1–28.	Material relating to <i>The Usefulness of Experimental Natural Philosophy</i> , part 2. Hands: F (fol. 1), Uncertain, 1650s. 28 frames.
0030	F 29–46.	“Notes upon the 27th Section”: the nature and purposes of pores in bodies, with (fols. 45–6) cover sheet and list of headings on pores. Hands: Uncertain, G. 17 frames.
0047	F 47–61.	Drafts of <i>The Usefulness of Experimental Natural Philosophy</i> ; pp. 66 (fol. 61) and 122–34 of a single text, and (fol. 60) connecting passage: “Essay the VIII. That a Ground of expecting Considerable things from Exper. Philosophie is given by those things which have been found out by illiterate Trades-men or lighted on by chance.” Hands: D, 1650s, F (fol. 60). 17 frames.
0064	F 63–91.	“Promiscuous Addenda to my severall Treati[s]es”: copies of extracts from books, etc., mostly on geographical and natural phenomena, together with “The Order of my severall Treatises” (fol. 64v). Hands: E, Uncertain, F. 28 frames.

Volume Frame No.	Folio Frame No.	
	0092 F 92–116.	“A Continuation of (Printed) Addenda to my severall Treatises”: extracts, in English, Latin, French, and Italian, mostly on natural phenomena, some from Purchas’s <i>Pilgrims</i> ; dated from 29 Sept. of unknown year. Hands: Various. 25 frames.
	0117 F 117.	List of Raymond Lull’s books. Hand: A. 1 frame.
	0118 F 118–22.	“A Diurnall Miscellaneous Collection, Begun March the 25th 1648/9”; notes for a narrative and dialogue, perhaps linked to a “philosophical romance.” Hand: early Boyle. 5 frames.
	0123 F 123–39.	“Of the Study of the Booke of Nature. For the First Section of my Treatise of Occasional Reflections.” Much emended text. Hand: early Boyle. 17 frames.
	0140 F 140–8.	“A Philosophical Diary. Begun this first of January 1654/5”; numbered/dated entries, mostly comprising scientific observations and experiments by Boyle and others. Hand: Uncertain. 9 frames.
	0149 F 149–52.	Text relating to <i>Notion of Nature</i> , including reply to Eleutherius. Hand: K. 4 frames.
	0153 F 153–64.	Text concerning delightfulness and usefulness of study of nature, part (fols. 155–6) appearing in <i>Excellency of Theology</i> (<i>Works</i> , iv. 36). Hands: E, F, B. 12 frames.
	0165 F 165–87.	Miscellaneous papers, including sections of “An Essay of various Degrees or kinds of the Knowledge of natural things” (fols. 165–6, 169–70, 184–7); material on sense, reason, and authority in the study of nature (fols. 167–8); draft of publisher’s note to <i>Degradation of Gold</i> (<i>Works</i> , iv. 371f.) (fol. 171); text concerning Torricellian experiment (fols. 172–9); fourteen numbered experiments on magnetism in Latin (fols. 180–3); “Explications by real Qualities and Substantial Formes” (fol. 186). Hands: B, Warr, Boyle (fols. 171, 184–5, 187), J (fols. 172–9), Uncertain (fols. 180–3), N (fol. 186), Bacon (fol. 187). 23 frames.
	0188 F 188–9.	Extract from Wallis’ <i>Opera Mathematica</i> concerning Euclid. Hand: Uncertain. 2 frames.
	0190 F 190–5.	Text on usefulness of natural philosophy, part of it (fols. 192–3) from the same text as fols. 47–61 above. Hands: F, D. 6 frames.
	0196 F 196–212.	Further miscellaneous notes, including Latin treatise attacking van Helmont in favour of Paracelsus (fols. 196–203); views on “judiciary astrology” and celestial influences (fol. 204); “General Heads for a Natural History of a country, great or small” [cf. <i>Phil. Trans.</i> , 1 (1666), 186 (incomplete)] (fol. 205); “A Fragment of <i>The Aspireing Naturalist</i> (a Philosophical Romance)” (cf. BP 9, fols. 43–4) (fols. 206–7); list of scientific projects/desiderata (fols. 208–9); “Cogitationes Physicae”: introduction and comments on content (fols. 210–12). Hands: Uncertain, E (fol. 204), Bacon (fols. 205–7, 210–12). 17 frames.

0213

Volume Nine, Philosophy

(Folio-size volume; foliated; 252 folios)

0214	F1–129.	Miscellaneous material concerning experiments, together with papers relating to Boyle’s intended treatises on “The Uses and Extent of Experience, Reason and Authority in Natural Philosophy” and “The Requisites of a Good Hypothesis,” including pasted-up notes (fols. 98–115) and associated items. One extract (fol. 25) published by R. S. Westfall in <i>Ann. Sci.</i> , 12 (1956), 113–6. Hand: mainly Bacon. 129 frames. Among the miscellaneous items are:
	0227 F 13–15.	Material related to “The Essay of the Discernment of Suppositions.” 3 frames.
	0232 F 19–20.	Prescriptions for the organization of science. 2 frames.
	0235 F 22.	List of things to remember. 1 frame.

Volume Folio
Frame No. Frame No.

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| | 0239 | F 26–9. | Prefatory material to works on reason and religion and “particular Qualities” and other miscellaneous items. 4 frames. |
| | 0245 | F 35, 40–2. | Material for <i>Disquisition about the Final Causes of Natural Things</i> and related treatises (some copied from MS 185, fols. 29–31, some printed in <i>Works</i> , vi. 712). 4 frames. |
| | 0253 | F 43–4. | “A Fragment of the Aspiring Naturalist: A Philosophicall Romance” (cf. BP 8, fols. 206–7). 2 frames. |
| | 0255 | F 45–7. | “The Preface and Chapters of the Paralipomena,” endorsed as forming appendix to <i>Experimenta et Observationes Physicae</i> . 3 frames. |
| | 0258 | F 49, 55–7, 67. | Miscellaneous papers on natural history. 5 frames. |
| | 0269 | F 61. | Fragment of <i>Usefulness</i> . 1 frame. |
| | 0284 | F 76–7. | Part of preface to <i>General History of the Air</i> (cf. <i>Works</i> , v. 611–2.) 2 frames. |
| | 0287 | F 79. | Observations on magnetism of earth. 1 frame. |
| | 0289 | F 81–2. | “A Description of the true Thermometer.” 2 frames. |
| | 0296 | F 88–91, 98. | Miscellaneous philosophical/theological reflections. 5 frames. |
| 0335 | F 130–161. | Incomplete Latin theological essay. Hand: Warr sen. 32 frames. | |
| 0367 | F 162–3. | Incomplete text on importance of natural/experimental philosophy. Hand: G. 2 frames. | |
| 0369 | F 164–5. | First two pages of Latin translation of <i>Experimenta et Observationes Physicae</i> , <i>Works</i> , v. 564f. Hand: Uncertain. 2 frames. | |
| 0371 | F 166–70. | “Relationes Physicae continued” (pencil title); mainly observations on cold. Hand: Slare [?]. 5 frames. | |
| 0376 | F 172. | Section on doctrine of qualities. Hand: Uncertain. 1 frame. | |
| 0377 | F 173–7. | “Experimenta Nova circa Conservationem Corporum in Vacuo Boyliano”: Latin translation of “New Experiments about the Preservation of Bodies in <i>Vacuo Boyliano</i> ,” <i>Works</i> , iv. 145–8, as far as end of “Expt XIV” (fols. 173–4), though the preface is missing; from fol. 175, the text is apparently unpublished. Hand: Oldenburg. 5 frames. | |
| 0382 | F 178–83. | “Ars ponderandi gracia in aqua”; Latin text. Hand: M. 6 frames. | |
| 0388 | F 184–190. | Untitled Latin theological tract; lacks opening. Hand: M. 7 frames. | |
| 0395 | F 191–204. | Text on porosity largely as in “Essay of the Porousness of Solid Bodies,” ch. 8 et seq., <i>Works</i> , iv. 787–93; unpublished material on fols. 195–6. Hand: Slare. 13 frames. | |
| 0408 | F 205–22. | Drafts for dialogues: part of “Advices about Judging of Things said to transcend Reason” (<i>Works</i> , iv. 447f) (fols. 205–10, 219–22); and treatise on nature of light (fols. 211–18). Hands: Warr, 1650s, Uncertain. 18 frames. | |
| 0426 | F 223–52. | Part of letter in Italian from Lorenzo Magalotti to Boyle (cf. extract in <i>Journal of the Warburg and Courtauld Institutes</i> , 45 (1982), 271–8). Hand: Unknown. 27 frames. | |

0453

Volume Ten, Philosophy

(Folio-size volume; foliated; 169 folios)

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| 0454 | F 1. | Experimental notes on surfaces of contiguous liquors. Hand uncertain. 1 frame. |
| 0455 | F 2–3. | Latin mathematical extract, evidently from Wallis (cf. fols. 65–6 and BP 8, fols. 188–9). Hand: Uncertain. 2 frames. |
| 0457 | F 4. | Requirements of air and heat for warm-blooded animals. Hand: C [?]. 1 frame. |
| 0458 | F 5. | Headings for experiments with volatile salts. Hand: Slare. 1 frame. |
| 0459 | F 6. | “Memoirs for the Paralipomena”: attraction of surfaces and particles (cf. BP 9, fols. 45f.). Hand: B, with title by Bacon. 1 frame. |

Volume Folio
Frame No. Frame No.

Volume Ten cont., Philosophy

- 0460 F 7. Introduction to Essay XIII, "Uses of Experiments," original pagination "154." Hand: D, 1650s. 1 frame.
- 0461 F 8–9. Fragment of text of *Things above Reason* (cf. *Works*, iv. 413). Hand: Warr [?]. 2 frames.
- 0463 F 10. Part of dialogue on transmutation of gold. Hand: Uncertain. 1 frame.
- 0464 F 11. Attributes of natural religion. Hand: Greg. 1 frame.
- 0465 F 12. Incomplete comments on spring of air and Hobbes's theory on it. Hand: Uncertain. 1 frame.
- 0466 F 13. Passage on subtlety of effluvioms. Hand uncertain. 1 frame.
- 0467 F 14. Account of experiment with cement in sealed tube under water. Hand: E. 1 frame.
- 0468 F 15. Part of text dealing with experiment with viper in receiver; related to BP 3, fol. 115a and BP 38, fol. 152. Hand: 1650s [?]. 1 frame.
- 0469 F 16. Further material related to fol. 12 (but not continuous text); much scored. Hand: Uncertain. 1 frame.
- 0470 F 17–18. Papers on study of natural philosophy. Hand: D. 2 frames.
- 0472 F 19–20. Further papers on study of natural philosophy. Hand: Uncertain. 2 frames.
- 0474 F 21. Weather: reaction of barometer, January–April of unknown year. Hand: Slare [?]. 1 frame.
- 0475 F 22. Series of passages concerning physical phenomena and theological reflections. Hand: Bacon. 1 frame.
- 0476 F 23. Experiments on gold. Hand: Slare [?]. 1 frame.
- 0477 F 24. Expectations concerning natural philosophy. Hand: G. 1 frame.
- 0478 F 24X. List of particulars of precious stones. Hand: Slare. 1 frame.
- 0479 F 25. Copy of fol. 4. Hand: Bacon. 1 frame.
- 0480 F 26. Bodies of animals as proving God's design. Hand: Bacon. 1 frame.
- 0481 F 26X. Prefatory note to "Cogitationes Physicae" in dialogue form. Hand: Bacon. 1 frame.
- 0482 F 27–8. Usefulness of theoretical/experimental part of physics. Hand: mainly E. 2 frames.
- 0484 F 29–31. Part of dialogue on corpuscular explanation of sensations. Hand: E. 3 frames.
- 0487 F 32. Note introducing passage on gems. Hand: Bacon. 1 frame.
- 0488 F 33–4. Part of draft of Latin translation of work dealing with experiments on air. Hand: Ramsay. 2 frames.
- 0490 F 35. Part of essay dealing with subterranean steams; incomplete. Hand: E. 1 frame.
- 0491 F 36. Passage on nature of propositions. Hand: Greg. 1 frame.
- 0492 F 37. Chapter headings, evidently to *General History of Air*. Hand: Greg. 1 frame.
- 0493 F 38–40. Fragment of discourse discussing Cartesian views (cf. fols. 42–6). Hand: A [?]. 3 frames.
- 0496 F 41. Memoranda concerning various natural phenomena and philosophical and theological topics. Hand: Boyle. 1 frame.
- 0497 F 42–6. Further fragments belonging with fols. 38–40. Hand: Warr. 3 frames.
- 0502 F 47–8. Notes on Seneca on the senses, with list of miscellaneous phenomena relating to sensation on fol. 48v. Hand: Uncertain. 1 frame.
- 0503 F 49. Series of questions on metals and ores. Hand: K. 1 frame.
- 0504 F 50–1. Mathematical equations and notes. Hand: Uncertain. 2 frames.
- 0506 F 52–5. Experiments concerning vibration, forming part of dialogue. Hand: 1650s. 4 frames.
- 0510 F 56. Extract from Agostino Scilla, *La Vana Speculazione Disingannata dal Senso* (Naples, 1670). Hand: Greg. 1 frame.
- 0511 F 57. List of magnetical experiments. Hand: G [?]. 1 frame.
- 0512 F 58. Notes on rigidity and elasticity. Hand: N. 1 frame.

Volume Frame No.	Folio Frame No.	
0513	F 59.	Notes on perceptions of natural phenomena. Hand: Boyle. 1 frame.
0514	F 60–1.	Passages concerning admiration and understanding of God and his works; the correct use of the words “inconceivable” and “incomprehensible”; and other topics. Hand: Smith. 2 frames.
0516	F 62.	Part of dialogue dealing with effects of fire. Hand: 1650s. 1 frame.
0517	F 63–4.	Part of dialogue concerning man’s uses of natural phenomena. Hand: D, 1650s. 2 frames.
0519	F 65–6.	Extract from Wallis’s <i>Opera Mathematica</i> . Hand: Uncertain. 2 frames.
0521	F 67–8.	Ductibility of silver and its implications. Hand: Slare. 2 frames.
0522	F 69–70.	Experiments concerning ‘klander’ worm (imperfect). Hand: Holograph [?]. 2 frames.
0524	F 71.	Notes on the nature of our suppositions. Hand: Slare. 1 frame.
0525	F 72.	Phenomena to be remembered. Hand: Bacon. 1 frame.
0526	F 73.	Latin translation of part of experimental treatise. Hand: N. 1 frame.
0527	F 74.	List of new experiments. Hand: Slare. 1 frame.
0528	F 75.	Draft of part of chemical treatise. Hand: Bacon. 1 frame.
0529	F 76–7.	List of phenomena to illustrate points in a treatise. Hands: F, with adds. by E. 2 frames.
0531	F 77X.	Notes on measurement of weights. Hand: Boyle [?]. 1 frame.
0532	F 78.	Note on soil at bottom of sea. Hand: G [?]. 1 frame.
0533	F 79.	Observations of nature and qualities of bodies, for Essay X. Hand: G. 1 frame.
0534	F 80v–1.	Notes on mixture and its implication for explanation of qualities. Hand: H [?]. 1 frame.
0536	F 82–5.	“Notes on the Essay concerning Saltpeter.” Hand: 1650s. 3 frames.
0539	F 86.	Notes on traction. Hand: Uncertain. 3 frames.
0540	F 87–8.	“Heads of the Discourse of the Pores of Bodys & figures of Corpuscles.” Hand: F. 2 frames.
0542	F 89v.	“Experiments touching bodys capable of freezeing others.” Hand: Uncertain. 1 frame.
0543	F 90–2.	Part of “Essay the XI”: inducements to hope for great things from philosophy; together with brief notes on fol. 92. Hands: G, Greg. 3 frames.
0546	F 93.	Notes on limits of human understanding. Hand: D. 1 frame.
0547	F 94.	Headings itemizing benefits of studying philosophy. Hand: E. 1 frame.
0548	F 95.	Passage concerning weights. Hand: Bacon. 1 frame.
0549	F 96.	Introductory note to book. Hand: Greg. 1 frame.
0550	F 97.	Observations etc. on nature of gems. Hand: Smith. 1 frame.
0551	F 98.	Note on intentions of Boyle’s friends to print list of works to stop plagiarism. Hand: Bacon. 1 frame.
0552	F 99.	Note to “Cogitationes Physicae” (cf. fol. 26X). Hand: Smith. 1 frame.
0553	F 100.	Light: reconcileability of Epicurean and Cartesian theories. Hand: Greg. 1 frame.
0554	F 101.	Draft of Advertisement to “Strange Reports” (<i>Works</i> , v. 604). Hand: Greg. 1 frame.
0555	F 102.	Phenomena to remember and references. Hands: Slare, with adds. by A [?]. 1 frame.
0556	F 103–6.	Draft material for <i>Notion of Nature</i> . Hands: F, with adds. by E. 4 frames.
0560	F 107.	Note on mechanical production of occult qualities. Hand: Uncertain. 1 frame.
0561	F 108–9.	French copy of Boyle’s advertisement on missing writings, 1689. Hand: Unknown. 2 frames.
0563	F 110–11.	Notes on phenomena associated with baroscope and their implications. Hand: Greg. 2 frames.
0565	F 112.	Lists of experiments and scientific phenomena. Hands: J, Uncertain. 1 frame.

Volume Folio
Frame No. Frame No.

Volume Ten cont., Philosophy

- 0566 F 113–4. Numbered references to various of Boyle's works and (fol. 114v) pencil list of contents of tract. Hand: Uncertain. 2 frames.
- 0568 F 115. Sentence concerning production of bodies. Hand: E. 1 frame.
- 0569 F 116. Hooke's notes on draft of *Final Causes*: to be published by E. B. Davis (see Introduction, note 102). Holograph. 1 frame.
- 0570 F 117. Text concerning saltiness of sea. Hand: Greg. 1 frame.
- 0571 F 118. List of experiments to be made in sealed receiver. Hand: E. 1 frame.
- 0572 F 119–120. Text concerning fire. Hand: Uncertain. 2 frames.
- 0574 F 121–2. Text concerning animal hearts, including experiments on them. Hand: 1650s. 2 frames.
- 0576 F 123–6. Part of same treatise as BP 8, fols. 196–203. Hand: Uncertain. 3 frames.
- 0579 F 127. Topics concerning mutual benefit of experimental and speculative philosophy, etc. Hand: A. 1 frame.
- 0580 F 127X. Passages concerning types of experience. Hand: Bacon. 1 frame.
- 0581 F 128. Usefulness of mathematical and mechanical disciplines to naturalist. Hand: G. 1 frame.
- 0582 F 129. Experiment concerning effect of salt and snow on oil in pipe. Hand: E. 1 frame.
- 0583 F 130. Damaged note on experiment by "Dr Faustus." Hand: F. 1 frame.
- 0584 F 130X. Record of results of experiment. Hand: Boyle. 1 frame.
- 0585 F 131. Problems of reusing others' experiments. Hand: D. 1 frame.
- 0586 F 132. Observations and queries concerning springiness of bodies. Hand: F. 1 frame.
- 0587 F 133–6. Questions etc. on tastes and odors. Hand: F. 3 frames.
- 0590 F 137. Part of discourse addressed to Pyrophilus on artificial bodies. Hand: J. 1 frame.
- 0591 F 138. Note explaining lack of order in ensuing experiments. Hand: Uncertain. 1 frame.
- 0592 F 139. Experiment with plants growing without air. Hand: Bacon. 1 frame.
- 0593 F 140–1. Introduction to "Essay the VII": advantage to naturalist derived from his knowledge. Hand: G. 2 frames.
- 0595 F 142–3. Requisites for inflammability. Hands: Boyle, Greg. 2 frames.
- 0597 F 144. Note on luminosity of bodies. Hand: Smith. 1 frame.
- 0598 F 145. Experiment on texture of camphire. Hand: Greg. 1 frame.
- 0599 F 146. Notes on eyes and teeth of fish/crabs. Hand: Unknown. 1 frame.
- 0600 F 147. Passage of text concerning mineral waters. Hand: Boyle. 1 frame.
- 0601 F 148. "Problemata Usus Septimae Tabulae." Hand: Bacon. 1 frame.
- 0602 F 149. Suppositions: why men overlook them. Hand: Slare [?]. 1 frame.
- 0603 F 150. Notices afforded us by reason. Hand: Bacon. 1 frame.
- 0604 F 151–2. Experiments with oily liquors, etc. Hand: Bacon. 2 frames.
- 0606 F 153–4. Observations with weatherglass by William Balle. Hand: 1650s. 2 frames.
- 0608 F 155–6. Experiment concerning the production of air by mutual action of bodies without heat. Hand: Slare [?]. 2 frames.
- 0610 F 157–8. Experiment concerning ice. Hand: D [?]. 2 frames.
- 0612 F 159–60. Experiment with weighing melted metals. Hand uncertain. 2 frames.
- 0614 F 161. Passage on creation's wonders as proof of God. Hand: Greg. 1 frame.
- 0615 F 162. Experiment with fire on noctiluca. Hands: Warr, A [?]. 1 frame.
- 0616 F 163. Use of mathematics to naturalists. Hand: E. 1 frame.
- 0617 F 164. Nutrition of plants, etc. Hand: 1650s, Uncertain. 1 frame.
- 0618 F 165. Part of dialogue concerning planetary intelligences and divine beings in heaven. Hand: Greg. 1 frame.
- 0619 F 166. False suppositions and phenomena that are more significant than realized (headings). Hand: Greg. 1 frame.
- 0620 F 167. God's purposes illustrated by the creation of eyes before birth. Hand: Boyle. 1 frame.

Volume Frame No.	Folio Frame No.	
	0621 F 168.	Preliminary note to treatise. Hand: Greg. 1 frame.
	0622 F 169.	Categories for analyzing composition of air. Hand: Greg. 1 frame.
0623	Volume Eleven, Theology (Quarto-size volume; foliated; 334 folios)	
	0624 F 1–23.	“Physico-Theologicae Considerationes circa Possibilitatem Resurrectionis”; Latin version of “Some Physico-Theological Considerations about the Possibility of the Resurrection,” <i>Works</i> , iv. 191–201. Hand: L. 23 frames.
	0647 F 24–40.	Second copy of the above. Hand: N. 16 frames.
	0663 F 41–50.	<i>Excellentia Theologiae Naturali Philosophiae Collatae</i> ; Latin version of introduction to <i>The Excellency of Theology compared with Natural Philosophy</i> , <i>Works</i> , iv. 1–5. Hand: L. 10 frames.
	0673 F 51–107.	<i>Proletica sive Incitamenta nonnulla ad Amorem Dei pathetice recensita in Epistola ad Amicum</i> ; Latin translation of <i>Seraphic Love</i> , <i>Works</i> , i. 243–93. Hand: L. 56 frames.
	0729 F 108–10.	“Reflexio provenata [?] facta in Epistolam Mense Aprili Anno MDCLXII acceptam Ordine exponentem quid accidisset Die Inaugurationis in Vico quodam tenui”; Latin translation of “Occasional Reflection on a Letter, received in April 1662, containing an account of what passed on the King’s Coronation-day in a little country town,” <i>Works</i> , i. 294–7. Hand: L. 3 frames.
	0732 F 111–137.	“De Magnanimitate per Christianitatem promota”: Latin translation of “Greatness of Mind promoted by Christianity,” <i>Works</i> , v. 550–62. Hand: L. 27 frames.
	0759 F 138–172.	Latin translation of part of Essay II of <i>Usefulness of Experimental Natural Philosophy</i> , <i>Works</i> , ii. 15–29. Hand; Uncertain. 32 frames.
	0791 F 173–221.	French translation of <i>Considerations about the Reconcilableness of Reason and Religion</i> , in two sections; the text on ff. 201–221 precedes that on ff. 173–200. (Cf. <i>Works</i> , iv. 167–91 and 151–67.) Hand: Unknown. 28 frames.

Reel 6

Volume Eleven, Theology cont.

0001	F 173–221 cont.	French translation of <i>Considerations about the Reconcilableness of Reason and Religion</i> cont. The text on ff. 201–221 precedes that on ff. 173–200. Hand: Unknown. 21 frames.
0022	F 222–48.	“Reflexions philosophiques et Theologiques touchant La Possibilité de la Resurrection”: French translation of “Considerations about the Possibility of the Resurrection,” <i>Works</i> , iv. 191–201. Hand: Unknown. 27 frames.
0049	F 249–76.	“Excerpta” from Lawrence Eachard’s <i>Ecclesiastical History</i> (3rd ed., 1712); two paperbooks of notebook size, dated 10 December 1717. Hand: evidently that of the youthful Henry Miles. 24 frames.
0073	F 277–8.	Memorandum on the Christians of Fort St. George and the East India Company’s intention to erect a Protestant church there, to translate the English liturgy into Portuguese, and to find missionaries. Hand: Unknown. 2 frames.
0075	F 279–84.	“A breif History of the Mashepog Indians,” and their conversion on 11 May 1666; text with introduction by John Eliot; apparently unpublished. Hand: Unknown. 6 frames.
0081	F 285–92.	“Restaurationis Universalis Cynosura & Amussis”: Latin transcript of work by John Dury: cf. further copies in Hartlib Papers, Bundle 17/19 [see G. H. Turnbull, <i>Hartlib, Dury and Comenius</i> (London, 1947), 314 (no. 180)]. Scribal copy. 8 frames.

Volume Folio
Frame No. Frame No.

Volume Eleven cont., Theology

- 0089 F 293–5. Printed table giving elements of the oriental languages and references in Hebrew, Latin, and Arabic. Hand: Thomas Hyde. 2 frames.
- 0091 F 296–309. “Ars coepta”: small paperbook giving numerical formulae, etc.; dated Amsterdam, Kal.Dec. CDXLXXXI [sic]. Hand: Bacon. 12 frames.
- 0103 F 310–19. Notes on oriental languages; a small notebook in marbled covers. Eighteenth-century. Hand: evidently Miles. 6 frames.
- 0109 F 320–2. Excerpt from printed edition of New Testament in Greek by Robert Stephanus. 3 frames.
- 0112 F 323–4. Specimen of Hebrew and Arabic by Thomas Hyde, with cover note by Miles. Cf. fol. 294 above, and BP 4, fol. 175. 2 frames.
- 0114 F 325–34. Hebrew printed text of parts of Old Testament. 9 frames.

0123 Volume Twelve, Theology

(Quarto-size volume; in three separate sections, with new pencil foliation for each section of text: (i) fols. 2–100; (ii) fols. [10]1–[1]88; (iii) fols. 2–33. The foliation is early and is perhaps Boyle’s.)

- 0123 “Jesus Nazarenus Legislator,” by Adam Boreel: text and notes in Latin of a series of chapters arguing that prophecies and miracles demonstrate Christ’s divinity. The text of the work occupies the whole of sections (i) and (ii), with chapter 9 occupying fols. 85–100 of section (i) and fols. [10]1–[1]17 of section (ii). Section (iii) comprises 206 numbered notes to chapter 12. Some sections are bound out of order. Scribal hand. 217 frames.

0340 Volume Thirteen, Theology

(Quarto-size volume, with a total of 111 folios altogether)

Additional material to “Jesus Nazarenus Legislator”; all in Latin; same hand as BP 12, divided into five separately foliated sections of text, as follows:

- 0340 (i) “Ordo Tractatus Legislator”—fols. 1–5. Introductory essays. 4 frames.
- 0344 (ii) Numbered notes to text of “J.N.L.”—fols. 2–37. Dated 21 June 1660. 30 frames.
- 0374 (iii) Book II of “J.N.L.”; “De probatione veritatis Librorum Novi Testamenti; et Tractatu, Jesus Nazarenus Legislator, per eos probando, Considerationes”—fols. 1–11. 49 frames
- 0380 (iv) Additional material: copy of ‘Ordo Tractatus Jesus Nazarenus humani generis Universi Legislator’ with notes, and notes to “Argumenta”—fols. 1–38. 6 frames.
- 0429 (v) Appendix—fols. 1–21. 19 frames.

0448 Volume Fourteen, Theology

(Quarto-size volume; foliated; 310 folios)

- 0449 F 1–14. “Scripture Observations,” “Joseph to his Mistresse” and “Occasionall Meditations”; dated March–May 1647. Partly printed in *Occasional Reflections, Works*, ii. 383, 385, and partly in Harwood, *Essays and Ethics*, 283–5. Hand: early Boyle. 14 frames.
- 0463 F 15–26. “Essay I of Time & Idlenesse” and (fol. 24) “Remoras of Truth.” Published in Harwood, *Essays and Ethics*, xl. 237–48. Hand: early Boyle. 9 frames.
- 0472 F 27–42. Discourse concerning the plague of 1665. In Lady Ranelagh’s hand, and perhaps written by her. 16 frames.

Volume Frame No.	Folio Frame No.	
	0488 F 43–6.	Latin text concerning membership of a collegiate institution, beginning “In nomine Dei omnipotentis” and comprising introduction and six sections. Hand: Unknown. 4 frames.
	0492 F 47–74.	Copy of Alexander von Suchten’s <i>Concordantia Chymica</i> , printed as part of Franz Kieser’s <i>Cabala Chymica</i> (Frankfurt, 1606), 63f. Imperfect: breaks off at p. 125 of Suchten’s text. Hand: Unknown. 28 frames.
	0520 F 75–148.	<i>Considerationes quaedam circa Reconciliationem Rationis et Religionis</i> , and “Discursus...circa Possibilitatem Resurrectionis”: Latin translation of <i>Some Considerations on the Reconcilableness of Reason and Religion</i> and “Considerations about the Possibility of the Resurrection,” <i>Works</i> , iv. 151–201. Partially misbound; the correct order should be: (i) fols. 76–81; (ii) fol. 108 to fol. 104, backward; (iii) fol. 103 to fol. 82, backward; (iv) fols. 109–148 in normal sequence. Hand: L. 73 frames.
	0593 F 149–65.	Treatise concerning the Quakers, attributed to George Fox. Hand: Unknown. 17 frames.
	0610 F 166–77.	“Theophrasti Paracelsi Bombast ab Hohenheim &c. Clavis seu Decimus Archidoxorum Liber e MS Codice Germanico Vetustissimo”: copy of the (spurious) Book 10 of Paracelsus’s <i>Archidoxa</i> (cf. BP 39, fol. 75). Hand: N. 13 frames.
	0623 F 179–309.	“Excellentia Theologia seu Preeminantia Studii Theologici prae illo, quod circa Physica versatur”: Latin translation of “The Excellency of Theology, or the Pre-eminence of the Study of Divinity above that of Natural Philosophy,” <i>Works</i> , iv. 6–66. Hand: L. 130 frames.
	0753 F 310.	“Explication of the Notes”: key to abbreviations/symbols used in certain Boyle MSS. Hand: Bacon. 1 frame.
0754	Volume Fifteen, Theology (Quarto-size volume; foliated; in various sections with separate pagination, partially misbound)	
	Material relevant to “Jesus Nazarenus Legislator”; same hand as vols. 12 and 13. Contents: (i) Miscellaneous Notes, fols. 1–104. (ii) “Specimen Tractationis, secundum ordinem accuratum: quoad primum Caput, Tractatus, Legislator”; “De Probatione Veritatis Librorum Novi Testamenti Considerationes,” and further “Considerationes”: fols. 23–6, 33–7, 28–32, 71–3, 1–22, 27, 40–58 (including blank). (iii) further notes, references, etc., related to “Jesus Nazarenus Legislator”; fols. 1–77. 227 frames.	

Reel 7

0001	Volume Sixteen, Philosophy (Folio-size volume; foliated; 221 folios)	
	0002 F 1–71.	“Monita pro Ferendo Iudicio circa Quae Rationem Trascendere dicuntur” and <i>Dissertatio de Rebus Supra Rationem</i> : Latin translation of “Advices in Judging of Things said to Transcend Reason” and <i>Discourse of Things above Reason</i> , <i>Works</i> , iv. 447–68, 406–47. Hand: Ramsay. 71 frames.
	0073 F 72–85.	“Humani Intellectus Imperfectio nativo suo lumine detecta”: dialogue on the imperfection of the human intellect. Speakers are Lactantius, Valerius, Torquatus, and Aemilius. Hand: Ramsay. 14 frames.
	0087 F 86–107.	Latin translation of “Section IV” of <i>Disquisition about Final Causes</i> , <i>Works</i> , v. 419–28. Hand: Ramsay. 21 frames.

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Volume Sixteen cont., Philosophy

- 0108 F 108–55. *Dissertatio de Rebus Supra Rationem*: Latin version of *Discourse of Things above Reason*, *Works*, iv. 406–447, together with variant ending to “Advices” (fols. 154–5) [cf. M. A. Stewart in *Bodleian Library Quarterly*, 10 (1978–82), 282]. Hand: Ramsay. 47 frames.
- 0155 F 156–201. “Exercitatio X. De crassum Hominum circa res Naturales suis usibus applicandas Ignorantiam, sive Vix dari quippiam in rerum naturam, cujus multiformes ad vitae cultum usus penitus a nobis percipiuntur”: Latin translation of “Man’s Great Ignorance of the Uses of Natural Things,” *Works*, iii. 470–94. Hand: Unknown. 45 frames.
- 0200 F 202–21. Part of dialogue on the curability or otherwise of diseases, dealing with the stone, the claims of the Paracelsians, etc. Related to text of *Usefulness*, part 2, section 1. Hands: D, 1650s. 20 frames.

0220

Volume Seventeen, Physiology

(Folio-size volume; foliated September 1986, replacing earlier erratic pagination; 167 folios)

- 0222 F 1–36. “Medica Praescripta Communicata R.B.”: Latin text of discourse on medical remedies. Hand: Ramsay. 36 frames.
- 0258 F 37–8. Three medicines for eyesight, one “A Medicine for clearing of the eye-sight found out by Dr. Purlow Sometime B[ishop] of Hull and Suffragan of York who at the age of 125 years was able to read any Print without Spectacles which at the age of 50 he could not do.” Hand: Unknown. 2 frames.
- 0260 F 39. Paper concerning worm voided by child. Hand: Unknown. 1 frame.
- 0261 F 40. Section of text concerning reception of doctrine of circulation of blood. Hand: Bacon. 1 frame.
- 0262 F 41–50. Miscellaneous recipes, medical memoranda, etc., together with introductory text concerning chemical experiments (fols. 43, 45). Hand: mainly Bacon. 9 frames.
- 0271 F 51–9. Account of an illness of a lady near Bordeaux called Segur; letter dated Bordeaux, 15 September 1684. Hand: Unknown. 5 frames.
- 0276 F 60–7. Miscellaneous notes and observations, including notes on chemical mixtures (fol. 60), strange phenomena of vitiated sight (fols. 61–2), human body like engine (fol. 63), extract from Fabricius on dropsy (fol. 64), Olearius on climate (used in *History of Colours: Works*, ii. 713–6) (fols. 65–6), and recipe (fol. 67). Hands: Bacon, 1650s, Uncertain. 8 frames.
- 0284 F 68–113. Sections of text for *The Usefulness of Experimental Natural Philosophy*, dealing with usefulness of knowledge of physics; advantage to natural philosophers of knowledge of mathematics (fols. 71f.); nature of diseases and methods of curing them; workings of human and other bodies; link of brain and sensation in animals; stone said to mend breaks and fractures in bones; etc. Hand: 1650s. 46 frames.
- 0330 F 114–15. “Case of Palsy from a Fall” (nineteenth-century editor’s description) (cf. *Works*, v. 584f., and BP 18, fols. 63f.). Hand: Bacon. 2 frames.
- 0332 F 116–25. Transcript of letters from Malpighi to Spon, November 1681, as printed as the last item in vol. 1 of Malpighi, *Opera Omnia* (London, 1686) [“Epistolae,” pp. 21–35 (sigs. F1–I2)]. Hand: Unknown. 10 frames.
- 0342 F 126–41. “Observationes de Vitiatu Visu”: Latin translation of “Some Uncommon Observations about Vitiated Sight,” *Works*, v. 445–52. Hand: Ramsay. 16 frames.
- 0358 F 142–6. Miscellaneous sections of text on medical topics, including Italian extract concerning “l’Occhio della Mosca” and material on barnacles and blindness. Hand: Bacon. 5 frames.

Volume Folio
Frame No. Frame No.

- 0363 F 147–63. “Physiological Memorandums”; dated 1673 and (from fol. 154) 1674: series of brief memoranda numbered in pencil from 801 to 1,000; some are endorsed, mostly as “U[se] of A[uthority],” “R[equisites of a] G[ood] H[ypothesis],” “H[istory] of Q[ualities],” “C.P.” Hands: Slare, Warr. 17 frames.
- 0380 F 164. List of notes and headings for a scientific/medical work. Hand: E. 1 frame.
- 0381 F 165–7. Notes on the proposition, “That Beasts may be but Engines,” with possible chapter titles; published by Yves Conry in *Revue d'Histoire des Sciences*, 33 (1980), 69–74. Hands: G, E (fol. 166). 3 frames.

0384 Volume Eighteen, Physiology

(Folio-size volume; foliated September 1986, replacing earlier erratic pagination; 134 folios)

- 0385 F 1–10. Miscellaneous sections of text on medical and related matters. Hands: Bacon, G. 11 frames.
- 0396 F 11–59. Material relating to the second edition of *The Natural History of Human Blood*, including introductory material, chapter-headings, notes on experiments designed and executed, extracts and observations, etc.; together with papers concerning arguments from reason and authority, etc. (fol. 48v), and titles for “Natural History of Human Urine” (fols. 58–59); some pasted up. Hands: Bacon, Greg, Smith (fol. 11), Uncertain (fols. 51–2, 54–5). 46 frames.
- 0442 F 60–6. Miscellaneous medical notes, sections of text, etc., including summary of text in BP 17, fols. 114f. (fol. 63), text related to *Christian Virtuoso* (fol. 64), and notes on such topics as water pressure, stupefying Virginian drink, passions of mind, strange pains, letter about cough remedies, physicians’ mistakes, and anatomical notes. Hand: Bacon, 7 frames.
- 0449 F 67–93. Prefatory material concerning parable medicines (fols. 67, 71, 73), salubrity or insalubrity of air (fol. 79), part of work on human blood (fol. 83) and extracts from Olearius on medicines in Russia (fols. 90–91), together with miscellaneous notes, recipes and experiments, covering such topics as medical evidence for the design argument (fols. 74, 93), pores and effluvia (fols. 77–8), etc. Hands: Various. 27 frames.
- 0476 F 94–5. “A Continuation of Physiologicall Entryes” from 9 July of unknown year: experiments with gum, oil of vitriol, etc. Hand: E. 2 frames.
- 0478 F 96–102. Miscellanea: includes experiment on light/water producing colors, part of discourse on noxious fumes exhaled from the earth, text concerning causes of plague and medical views (fol. 99–100), and a medical prescription (fols. 101–2). Hands: Uncertain, Greg, B. 6 frames.
- 0484 F 103–21. Draft material for *Notion of Nature*, dealing with such phenomena as effluvia at times of crisis; critical evacuations; natural phenomena such as fainting in women; doctors’ mistakes in not regarding the nature of the body properly; the concept of some philosophers on the “course of Nature” and what is really God’s work; Helmont and others on the confusion between concepts of nature and God; God’s transcendence of natural laws. Hands: Boyle, B, Uncertain. 19 frames.
- 0503 F 122–4. Experiments and reports about combustible substances. Hand Uncertain. 3 frames.
- 0506 F 125. List of headings, probably for medical treatise. Hand: Greg. 1 frame.
- 0507 F 126. “The great French Lythotomists Receipt For the stone in the bladder.” Hand: Unknown. 1 frame.
- 0508 F 127–8. Account of three experiments, on frogs, quicksilver, etc.; one dated “Sepr 9 [16]62.” Hand: D [?]. 2 frames.
- 0510 F 129–30. “Anatomical Expts To be try’d” (pencil endorsement) on animal nerves and on the heads of newborn puppies. Hand: F. 2 frames.

Volume Folio
Frame No. Frame No.

Volume Eighteen cont., Physiology

- 0512 F 131–2. Account of a paligenic plant created by a priest in Venice, similar to that grown by Kircher at Rome. Hand: Uncertain. 2 frames.
- 0514 F 133–4. “Considerations & Doubts Touching the Vulgar Method of Physick”: comments on author’s intentions and on physicians’ methods, etc. Hand: E. 2 frames.

0516 Volume Nineteen, Physiology (Quarto-size volume; foliated; 300 folios)

- 0517 F 1–35. Richard Lower’s transcript of Thomas Willis’s 1661 lectures on the senses and on neurological disorders: Cf. Kenneth Dewhurst, *Thomas Willis’ Oxford Lectures* (Oxford, 1980), 43 and passim, and R. G. Frank, *Harvey and the Oxford Physiologists* (Berkeley and Los Angeles, 1980), 248 and 348 n.14. Hand: Unknown. 35 frames.
- 0552 F 36–56. “Of Swimming and Diveing: Some Experiments & Inquiries, with Proposals”: holograph treatise by John Beale. 21 frames.
- 0573 F 57–77. “Dris J. J. Becheri Concordantia Purgationis”: Latin treatise by Becher on chemistry, especially experimentation with mercury in search of philosophers’ stone; apparently unpublished [not referred to in J. R. Partington, *History of Chemistry* (London, 1961–70), ii. 640–3]. Hand: L. 20 frames.
- 0593 F 78–130. Miscellaneous items, mainly in French, including “Montue Critique et Medicinale,” astrological rules for judgment in illnesses (fols. 81–8) and various notes, recipes, etc., mainly medical; also included are a list of parishes or monasteries (fol. 78), two pages of a Latin treatise (fols. 80, 92), and a paper dial (fol. 82). The whole appears to comprise a disbound notebook, the content of which might no longer be in the correct order; fols. 125–6, “vers osteologiques,” are apparently intrusive. Hand: Various. 52 frames.
- 0645 F 131. Part of a letter addressed to Father Antoine, a Capuchin at Ganat [?]. Hands: Unknown. 1 frame.
- 0646 F 132. “Ex Communicatione D. Polemanni Syrupus contra Calculum.” Scribal hand. 1 frame.
- 0647 F 133–4. German extract “Ofenliche Fragen, das ein Ahl seinen andern gebietet, sondern das sie faulen Erdreich, Schlamms und Schilff [sic] gebohren werden”; endorsed “A Dutch Note/ De Anguill. ortu” (evidently by Boyle). Hand: Unknown. 2 frames.
- 0649 F 135–6. “An Extract out of a Paper printed in Low-Dutch and dated the 16/26 of May 1659 at Rotterdam”: proposal by a Dutch dissector, Lewis de Bils. (For Boyle’s preface, see *Works*, i. cxl). Hand: Unknown. 2 frames.
- 0651 F 137. List of letters and papers on medical matters, together with calculations and shorthand notes. Hand: Miles. 1 frame.
- 0652 F 138–44. Miscellaneous recipes, etc., of which ff.140–4 are in French; partly printed in *Medicinal Experiments*, *Works*, v. 312–91. Hands: Bacon, Uncertain. 7 frames.
- 0659 F 145–66. “De Konste der glazen”: Dutch paper about making glass, starting with list and cost of ingredients. Hand: Unknown. 22 frames.

Volume Frame No.	Folio/Page Frame No.	
0681	F 167–97.	Miscellaneous medical notes, recipes, etc., including: part of a paper dealing with motion and the air (fols. 169–70); recipe dated 1718 (fol. 175); recipe for perfume (fols. 176–7); observation on weight of a large cylinder (fol. 179); geometrical observation signed by Francois du Laurens (fol. 180); list of experiments omitted from <i>Spring of the Air</i> , dated as received by Oldenburg on 24 February 1668 (fol. 184); “The Excuses of Philaletha for concealing the great Arcanum” (fols. 187v–8); fragment of Italian version of <i>Picatrix</i> (fols. 189–90); copy by Miles of text in BP 37, fols. 166–7 (fols. 192–3); introductory material to a work (fols. 194–5); notes on the structure and qualities of pores (fol. 196). Hands: Various. 30 frames.
0711	F 198–202.	List of English and Latin phrases. Hand: Warr sen. 5 frames.
0716	F 203–5.	List of phrases from Spanheim [?]. Hand: Warr sen. 3 frames.
0719	F 206–53.	Incomplete medical/chemical treatise; the start appears to be on fol. 217, which has “The occasion of writing the following Treatise,” and heading to chapter 1. Hand: Warr sen. 47 frames.
0766	F 254–67.	Part of political/religious tract, lacking opening. Hand: Warr sen. 14 frames.
0780	F 268–81.	Extracts from classical texts and other notes. Hand: Warr sen. 14 frames.
0794	F 282–97.	Incomplete astrological treatise. Hand: Warr sen. [?]. 16 frames.
0810	F 298–300.	Fragment of astrological treatise. Hand: Unknown. 4 frames.

Reel 8

0001 Volume Twenty, Science (Folio-size volume; paginated; 576 pages)

0002	P 1–18.	Hooke’s paper concerning Newton’s theory of light (cf. Birch, <i>History</i> , iii. 10f.). Scribal copy. 10 frames.
0012	P 19–34.	Sir Christopher Wren’s “De Corpore Saturni,” with diagrams of Saturn (fol. 31) and endorsements (fol. 34); cf. Van Helden in <i>Notes and Records</i> , 23 (1968), 213–29 (inc. 216–7 on this copy). Scribal copy. 10 frames.
0022	P 35–88.	“Commentarii Experimentales de Mechanica Productione Lucis”; unpublished Latin treatise on mechanical production of light. Hand: Ramsay. 28 frames.
0050	P 89–155 (156 blank).	“Experimenta nova de Positiva et Relativa Corporum sub aquis Levitate” and “Discursus Hydrostaticus. Ortus occasione quarundam Objectionum Doctissimi D. Henrici Mori”: Latin translation of “New Experiments of the Positive or Relative Levity of Bodies under Water” and “Hydrostatical Discourse,” <i>Works</i> , iii. 635–8, 596–612. (For more of the same text, see BP 22, pp. 559–622.) Hand: Ramsay. 33 frames.
0083	P 157–8.	Wren’s hypothesis of motion: Latin text. Read at the Royal Society, 17 December 1668. Cf. Birch, <i>History</i> , ii. 335 and <i>Phil. Trans.</i> , 3 (1669), 867–8. Hand: N. 1 frame.
0084	P 159–65 (166–8 blank).	Christiaan Huygens’ hypothesis of motion, 1669. Cf. Birch, <i>History</i> , ii. 337 and Huygens, <i>Oeuvres Complètes</i> , vi (1895), 336–43. Hand: N. 4 frames.
0088	P 169–72.	“Dr. Croon’s Hypothesis of Motion.” Read at the Royal Society, 25 January 1669. Latin text with diagrams. Cf. Birch, <i>History</i> , ii. 340. Hand: N. 2 frames.
0090	P 173–8 (179–80 blank).	Joseph Glanvill’s “Additional Answers” to the queries concerning mines compiled by Boyle and printed in <i>Phil. Trans.</i> , 1 (1666), 330–43. Read at the Royal Society, 22 October 1668. Cf. Birch, <i>History</i> , ii. 315, and <i>Phil. Trans.</i> , 3 (1668), 767–71 (with slight variations). Hand: N. 4 frames.

Volume Page
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Volume Twenty cont., Science

- 0094 P 181–6 William Neile's hypothesis of motion, read at the Royal Society, 29 April 1669. (187–8 blank). Cf. Birch, *History*, ii. 361. Hand: N. 4 frames.
- 0098 P 189–92. Animadversions by Francis Willughby on Wren's and Huygens's new theory of motion: main text to p. 191, then comments on it by Wren and Brouncker, together with "The Cases of Motion are but three, as is thus made out" by Brouncker; dated 10 June 1669. Cf. Birch, *History*, ii. 381–2. Hand: N. 2 frames.
- 0100 P 193–200. "The manner of making at Norimberge in Germany the Foliers, which the Goldsmiths use to put under pretious stones" by William Schroter; presented to the Royal Society on 9 November 1671 (cf. Birch, *History*, ii. 489–90), together with "The Phaenomena of an Experiment about Freezing," presented by Boyle on 23 November. Cf. Birch, *History*, ii. 492–5. Hand: N. 4 frames.
- 0104 P 201–5 Queries for a voyage to Hudson's Bay, read at the Royal Society, 18 April 1672. (206 blank). Cf. Birch, *History*, iii. 43–6. Hand: N. 3 frames.
- 0107 P 207–14. [Christopher Merrett], "The Art of refining." Cf. *Phil. Trans.*, 12 (1678), 1046–52. Hand: N. 4 frames.
- 0111 P 215–20. "Concerning the makeing of Allum's by Mr. Colwall" [cf. *Phil. Trans.*, 12 (1678), 1052–6], including "the charge of a worke"—list of how many men required for each type of manufacturing process—which is not in *Phil. Trans.* version. Hand: N. 3 frames.
- 0114 P 221–30. [Jonathan Goddard] "Experiments of refineing gold with Antimony, the first with several parcells of Antimony." Cf. *Phil. Trans.*, 12 (1678), 953–61. Hand: N. 5 frames.
- 0119 P 231–3 [Robert Hooke] "An Account of the Diversity of the parts of Water," presented (234 blank). to the Royal Society, 17 December 1662. Cf. Birch, *History*, i. 153–4. Hand: N. 2 frames.
- 0121 P 235–40. "A Briefe account of the Experiments tryed with glass Balls by Mr. Hooke," dated 26 November 1662. Cf. Birch, *History*, i. 127–30. Hand: N. 3 frames.
- 0124 P 241–5 "An account of the Rarefaction of the Aire by Mr. Hooke," dated 10 December (246 blank). 1662. Cf. Birch, *History*, i. 141–4. Hand: N. 3 frames.
- 0127 P 247–67. "An Experiment of Exhalation raised from water, and returning to water againe. by Dr. [Jonathan] Goddard" (cf. Birch, *History*, i. 155), followed by the following experiments by Hooke: (1) "Of the difference of gravity by removing the body further from the surface of the earth upwards" and "Of Driveing water out of a Glass by its own vapours," 24 December 1662 (cf. Birch, *History*, i. 163–5) (pp. 248–51); (2) "An Account of some tryalls for finding the pressure of the parts of water upon one another. And the Elastical power of the Aire," 28 January 1662[/63] (cf. Birch, *History*, i. 180–2) (pp. 251–5); (3) "Of the Refraction of Ice," 11 February 1662[/63] (cf. Birch, *History*, i. 193 and Hooke, *Philosophical Experiments* (London, 1726), 24–6) (pp. 255–7); (4) "A Description of the Instrument for finding the force of falling bodyes," 18 February 1662[/63] (cf. Birch, *History*, i. 195–7) (pp. 257–60); (5) "Experiments proposed to be made in the compressing Engine," 13 May 1663 (cf. Birch, *History*, i. 238 and Cl.P. xx.17) (pp. 261–4); and (6) "Observables in the six Branched figures frozen in Urine," "Figures observ'd in water, Frozen," and "Figures observ'd in Snow," 17 December 1662 [cf. *Micrographia* (London, 1665), 88–93: a slightly modified and extended version] (pp. 264–7). Hand: N. 11 frames.
- 0138 P 268–72. Christopher Merrett, "An account of the Tin Mynes & workings of Tin in the county of Cornwall," read to the Royal Society, 16 December 1663 [cf. Birch, *History*, i. 345; *Phil. Trans.*, 12 (1678), 949–52]. Hand: N. 2 frames.

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0140	P 273–5.	Jonathan Goddard, “An Experiment of spirit of wine in a vessel exhausted of Aire”; read at the Royal Society on 27 March 1664 (cf. Birch, <i>History</i> , i. 397–9). Hand: N. 2 frames.
0142	P 276–301 (302–4 blank).	Further papers read to Royal Society by Hooke and others: (1) Jonathan Goddard, “Observations upon the Experiments of several liquors in a Tube of about 36 foot in length, erected perpendicularly,” 17 August 1664 (cf. Birch, <i>History</i> , i. 459) (p. 276); (2) “Of the Resistance of aire to bodyes, moved through it, by Mr. Hooke,” 4 March 1662/63 (cf. Birch, <i>History</i> , i. 205) (pp. 277–8); (3) “Some Considerations about the most likeliest way of settling a universal measure by the help of Pendulums by Mr. Hooke” (cf. Cl.P. xx.34) (pp. 278–81); (4) “Of the Effects of Tobaccocoe oyle. by Mr. Daniel Cox. May 3rd 1665” (cf. Birch, <i>History</i> , ii. 42) (pp. 281–3); (5) Henry Powle, “The History of Iron, or an Account of the manner of its Preparation in the Forrest of Deane,” 2 May 1666 [cf. Birch, <i>History</i> , ii. 86 and <i>Phil. Trans.</i> , 12 (1678), 931–5] (pp. 283–9); (6) “Of the Inflection of a direct motion into a Curve by a supervening Attractive principle. by Mr. Hooke, May 23 1666” (cf. Birch, <i>History</i> , ii. 90–2) (pp. 289–92); (7) “An Account of Pendulums. by Mr. Hooke. November 21 1666” (cf. Birch, <i>History</i> , ii. 126–7) (pp. 293–5); (8) letter from Sir William Curtius to Theodore Haak on the origin of frankincense, 30 August 1667, read 8 October 1667 (cf. Birch, <i>History</i> , ii. 194–5) (pp. 295–7); (9) “Some Experiments concerning respiration, upon a Foetus, taken out of the Womb of a Mastife bitch: made by Mr. Hooke,” 19 December 1667 (cf. Birch, <i>History</i> , ii. 232–3) (pp. 297–9); and (10) “Some wayes of Discovering the various pressure of the Aire, at sea, by Mr. Hooke,” 2 January 1666/67 (cf. Birch, <i>History</i> , ii. 235 and <i>Works</i> , vi. 261) (pp. 299–301). Hand: N. 13 frames.
0155	P 305–15.	Paper concerning petrifying springs, apparently unpublished. Hands: Uncertain, H, F (p. 309), G (p. 315). 6 frames.
0161	P 317–33 (334 blank).	“Of the Differences of Lapidescient Juices” (pencil title). Hand: E. 8 frames.
0169	P 335–404.	Further papers on petrification and lapidescient juices, including paper on experiments in general (p. 355). Hands: H, E (pp. 357–9, 389–91). 34 frames.
0203	P 405–18 (419–20 blank).	“A Description of the Diamond Mines”: Cf. BP 39, 218f. (incomplete at end: but a paragraph that appears on fols. 219–20 of that version is omitted here). Hand: N. 8 frames.
0211	P 421–8.	Further Royal Society material: (1) Thomas Allen, “An Account of the losse of a Part of a Man’s braine without any considerable Prejudice to the Patient,” 27 February 1667/[68] (cf. Birch, <i>History</i> , ii. 252–3) (pp. 421–2); (2) “The manner of Hatching Chicken at Cairo, observed by Mr. John Graves [sic] 1639,” communicated to the Royal Society by Sir George Ent, 5 March 1667/68 [cf. Birch, <i>History</i> , ii. 255; <i>Phil. Trans.</i> , 12 (1677), 923–5] (pp. 422–5); (3) Hooke, “An account of an Experiment of Statickes, to Examine the Incorporateing of Liquors. made before the Royal Society. May 14, 1668” (cf. Birch, <i>History</i> , ii. 284–5) (pp. 425–7); and (4) “An Account brought in by Mr. Hooke Of an Experiment made before the Society May 28 1668 To show the Dilatation of Bodies &c” (cf. Birch, <i>History</i> , ii. 287; no copy referred to) (pp. 427–8). Hand: N. 4 frames.
0215	P 429–576.	Book II of treatise in French on the philosopher’s stone by “Pierre Videcur,” i.e. Pierre Vicot, <i>Le Grand Olympe</i> ; cf. Paul Kunze, ed., <i>Le Grand Olympe: ein Alchemistische Deutung von Ovids Metamorphosen</i> (Halle, 1912). Hand: N. 75 frames.

Volume Page
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0290 **Volume Twenty-one, Science**

(Folio-size volume; paginated; 562 pages)

- 0291 P 1–83 “De Discrepantia Mercurii Fluidi,” etc.: Latin translation of sections 4–6 of *The* (84–5 blank). *Producibleness of Chymical Principles, Works*, i. 644–61. Hand: Ramsay. 42 frames.
- 0333 P 86 Cover sheet. 1 frame.
- 0333 P 87–115. “Of Subterranean Steames As they are capable of affecting the Aire” (crayon title); unpublished treatise on subterranean effluvia, and some phenomena associated with them. Hand: mainly Bacon. 14 frames.
- 0347 P 117–26. Notes and extracts on meteorological, volcanic, etc., phenomena. Hands: Slare, Bacon, Uncertain. 5 frames.
- 0352 P 127. List of “Particulars Belonging to the Subterraneall Steams.” Hand: A [?]. 1 frame.
- 0353 P 129–32. Copy of Henry Power’s paper, dated 14 October 1662, on subterranean experiments and damps in coal mines (lacking diagram and key: see BP 41, fol. 154) (cf. Birch, *History*, i. 133–6). Hand: Oldenburg. 2 frames.
- 0355 P 133–42. Observations on subterranean steams in mines in Hungary, Devonshire, etc., together with note on refraction through distilled soap held up to light. Hands: Slare, Bacon. 4 frames.
- 0359 P 143–53. Brief discourse on subterranean stones and estuaries, and other probable receptacles of combustible/incandescent materials beneath the ground. Hand: A [?]. 6 frames.
- 0365 P 155–89. Discourse on the nature and effects of the earth’s magnetism (pp. 187 and 189 are in the wrong order). Hand: Bacon. 16 frames.
- 0381 P 191–218. “The XVI Century”: one hundred numbered experiments, mostly on weighing of assorted materials, calcination and other chemical processes, antidotes, respiration, etc., with a few additional notes at end. Dated from 29 December 1686 to 4 September 1688, with supplementary series 17 December 1689 to 5 February 1690; titles/comments on experiments in margin. Hand: Greg. 14 frames.
- 0395 P 219–54. “The XVII Century” and “The XVIII Century” (p. 245: experiments nos. 1–30 only): further assorted experiments, ascribed to various dates between 27 March 1689 and August 1691. Hands: mainly Greg, but with passages by Smith and Boyle (pp. 227–8, 246, 253–4). 18 frames.
- 0413 P 255–312. Miscellaneous accounts of conversations with informants, reports on phenomena, etc., some ascribed to various dates between 30 April 1683 and 23 February 1691. Hand: mainly Greg. 29 frames.
- 0422 P 313–82. “Eroffneter Kasten der aller grosten Geheymnuss der Natur”: apparently a transcript of Johann Grassholt, *Aperta Arca Artificiosissimi oder dess grossen und Kleinen Bauers Eroeffneter und offenstehender Kasten der allergroesten und kuenstlichsten Geheimnuessen der Natur* (Hanau, 1687). Scribal copy. 34 frames.
- 0476 P 383–562. “Mechanica”: Latin treatise on mechanics—definitions and propositions. Various scribal hands. 94 frames.

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0570 **Volume Twenty-two, Science**
(Folio-size volume; paginated; 622 pages)

- 0570 P 1–56. “Philosophicall Entrys & Memorials”: various experiments, notes, observations, and reports of occurrences from acquaintances; some dated to months of unknown year(s), and some to September 1663, May 1664 (p. 39), June 1664 (p. 42) and July/August 1665 (p. 44). Hands: F (pp. 1–10, 11), E (pp. 4, 10–11, 12–29, 45–56), H (pp. 31, 33–44). 26 frames.
- 0596 P 57. Cover sheet: “A Physiologicall Note booke or Pandectae Physicae. Begun the 1 (58–9 blank). of January 166” [sic: last digit omitted]. 1 frame.
- 0596 P 60. “The Order of my Severall Treatises” (cf. BP 8, fol. 64v, etc.). Hand: Uncertain. 1 frame.
- 0596 P 61–73. Assorted observations related to the author, etc., headed (in pencil) (74 blank). “Physiologicall Notes, Begun the 25th of January.” Hand: H. 7 frames.
- 0603 P 75–97. “Epistola Hydrostatica,” 13 February 1673: Latin translation of “Hydrostatic (98 blank). Letter,” *Works*, iii. 629–34. Hand: Ramsay. 10 frames.
- 0613 P 99–114. *Nova Experimenta de Positiva & Relativa Corporum Levitate sub Aquis*: Latin translation of *New Experiments on the Positive, or Relative Levity of Bodies Under Water*, *Works*, iii. 635–8. Hand: Ramsay. 6 frames.
- 0619 P 115–30. *Experimenta Nova de Pressura Elasticae Potentiae Aeris in corpora contenta sub Aquis*: Latin translation of *New Experiments about the Pressure of the Air's Spring on Bodies under Water*, *Works*, iii. 639–42. Hand: Ramsay. 6 frames.
- 0625 P 131–65. *Experimenta Nova de differenti pressura gravium solidorum & Fluidorum*: Latin translation of *New Experiments about the Differing Pressure of Heavy Solids and Fluids*, *Works*, iii. 643–50, together with “Monitum” related to same material but not published. Hand: Ramsay. 17 frames.
- 0642 P 167–96. “Titulus Secundus de Difficultate conservandi Flammam sine Aere”: Latin translation of “Of the Difficulty of Preserving Flame without Air,” *Works*, iii. 567–83. Hand: Ramsay. 14 frames.
- 0656 P 197–200. “Enquirys and Experiments about Electricall Bodys”; incomplete (cf. BP 38, fol. 120). Printed in Hall, *Boyle on Natural Philosophy*, 252–5. Hand: F. 2 frames.
- 0658 P 201–44. “Notes upon the...section about Occult Qualities”: text published by Hall in *Notes and Records*, 41 (1987), 111–43. Hands: E (pp. 201–3, 235), Uncertain. (pp. 205f.). 19 frames.
- 0677 P 245–6. Cover sheet with endorsements only. 1 frame.
- 0678 P 247–558. “De fortuitis Observationibus Dissertatio” and “Observationes Fortuitae”: Latin translation of “A Discourse touching Occasional Meditations” and “Occasional Reflections,” *Works*, ii. 335–461. Hand: Uncertain (cf. BP 9, fols. 164–5). 149 frames.
- 0827 P 559–619. Latin translation of Section II, from the end of Chapter IV, of “Hydrostatical (620–2 blank Discourse,” *Works*, iii. 613–28, continuing text in BP 20, pp. 99–155. Hand: except en- Ramsay. 32 frames.
dorsements).

Volume Folio
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Reel 9

0001 Volume Twenty-three, Science (Folio-size volume; paginated; 590 pages)

- 0001 P 1–217 “Examen potioris partis Dialogi Physici Thomae Hobbii de Natura Aeris”: Latin translation of “An Examen of the greatest part of Mr. Hobbes’ Dialogue Physicus de Natura Aeris,” *Works*, i. 189–242. Hand: Ramsay. 108 frames. (218 blank).
- 0109 P 219–305 Latin translation of part of *The Producibleness of Chymical Principles*: concluding section of Part II, and Parts III (complete) and IV (incomplete), *Works*, i. 616–35. Hand: Ramsay. 42 frames. (306 blank).
- 0151 P 307–473 “Consilium Philosophicum vel potius Harmonia Philosophica”; Latin alchemical work with dedicatory letter from its author, E. Rothmaler, endorsed by Boyle (p. 309) “Mr Rothmaler’s Booke that I had from himselfe by way of Gift as I understood it, which I bequeath to Mr. Newton the Mathematician of Cambridge” [last phrase added in Warr’s hand]. 81 frames. (474–6 blank except for endorsements).
- 0232 P 477–510. “Sub Tertio Articulo, comprehendi possunt Sequentia Particularia”: text concerning shining bodies, especially fish, and similar phenomena; experiments on shining wood. Hand: Ramsay. 16 frames.
- 0248 P 511–55. Latin translation of part of *Producibleness of Chymical Principles*, *Works*, i. 635–45. Hand: Ramsay. 22 frames.
- 0270 P 557–90. “About an Inch of Water”: text concerning measurement of bulk of irregular solids in water and their experimental investigation. Hands: F, E (p. 569), Slare (p. 571). 17 frames.

0287 Volume Twenty-four, Science (Folio-size volume; paginated; 600 pages)

- 0289 P 1–15 “Thoughts and Observations about the Generation of Mineralls”; heading to p. 1 (16 blank). suggests intended as appendix to “History of Fluidity and Firmness” (cf. *Works*, i. 437). Hands: E, H (pp. 13–5). 6 frames.
- 0295 P 17–25 “Articles of Inquiries touching Mines”: cf. *Phil. Trans.*, 1 (1666), 330–43. Hand: Bacon. 6 frames. (26 blank).
- 0301 P 27–86. Material relating to pores in bodies and their role; probably superseded by the “porosity” material in *Works*, iv. 759–76. Hand: Slare. 29 frames.
- 0330 P 87–134. “De Mechanica Origine Caloris et Frigoris”: Latin translation of “Mechanical Origin of Heat and Cold,” *Works*, iv. 236–58, but breaks off near conclusion of experiment xxvi and last two experiments are missing. Hands: Oldenburg, Uncertain. 23 frames.
- 0353 P 135–50. “Tentamen II. Quod Imperium Hominis promoveri possit per Physicorum in Chymicis peritiam”: Latin translation of “Essay of the Usefulness of Chymistry,” intended appendix to *Usefulness of Experimental Natural Philosophy*: cf. Clericuzio in *Ann. Sci.*, 47 (1990), 567. Hand: Ramsay. 6 frames.
- 0359 P 151–68. “Experimenta et Observationes de Mechanica Productione Saporum”: Latin translation of “Mechanical Production of Tastes,” *Works*, iv. 259–64. Hand: Oldenburg. 7 frames.
- 0366 P 169–83. “Experimenta et Observationes de Mechanica Productione Odorum”: Latin translation of “Mechanical Production of Odours,” *Works*, iv. 267–72. Hand: Oldenburg. 9 frames.
- 0375 P 185–222. “De Imperfectione Doctrinae Chymistarum de Qualitatibus”: Latin translation of “Imperfection of the Chemists’ Doctrine of Qualities,” *Works*, iv. 273–83. Hand: Oldenburg. 15 frames.

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- 0390 P 223–306. Commentary on Descartes' *Principles of Philosophy*, parts 2–4. Hands: Two unknown (changing at P 285). 33 frames.
- 0423 P 307–36. Excerpts from unidentified German mineralogical work. Hand: Unknown. 13 frames.
- 0436 P 337–46. Mineralogical excerpts from unidentified French source. Hand: Unknown. 4 frames.
- 0440 P 347–54. "Varia": mineralogical excerpts. Hand: E. 3 frames.
- 0443 P 355–8. Excerpts from Arab books concerning medicine, petrification, etc. Hand: Thomas Hyde. 3 frames.
- 0446 P 359–74. Excerpts from books and other papers on mineralogical matters, including observations from Mathesius' *Sarepta* (Nuremburg, 1571), and "Une observation tirée de la Relation de la Terre ferme de l' Amerique par Pelleprat." Hands: F, Uncertain, Oldenburg (pp. 367f.). 8 frames.
- 0454 P 375–85 (386 blank). "Essay XIII. The Mutuall Assistance that the Practicall and Theoricall Parts of Naturall Philosophy may afford one another": apparently unpublished part of *Usefulness of Experimental Natural Philosophy*. Hand: Bacon. 6 frames.
- 0460 P 387–97 (398 blank). "Tentamen XIII": (i) Latin translation of the text on pp. 375–85 (to p. 395); (ii) Latin translation of the subsequent section. Hand: Ramsay. 4 frames.
- 0464 P 399–418. Latin text beginning "Tertius modus, producendi Analytice Corpore novae Denominationis," presumably translated from untraced English original. Hand: Ramsay. 8 frames.
- 0472 P 419–555 (556–8 blank except for endorsement). *Tentamen inquirens An, et quousque Physicus debent considerare causas finales*: Latin translation of *Disquisition about Final Causes, Works*, v. 392–44, except for conclusion of Section III and opening two propositions of Section IV (equivalent to *Works*, v. 413–28) which are missing. Hand: Ramsay. 8 frames.
- 0533 P 559–99 (600 blank). "De Salium Acidorum productione": Latin translation of "Production of Salts," Sections I–III, part of *Producibleness of Chymical Principles, Works*, i. 567–605. Hand: Ramsay. 61 frames.

0554

Volume Twenty-five, Science

(Folio-size volume; paginated; 444 pages)

- 0554 P 1–18. Remarks about natural history in the form of a letter to Henry Oldenburg of 13 June 1666; cf. *Oldenburg*, iii.160–6. Hand: Bacon. 9 frames.
- 0563 P 19–50. *Experimenta nova circum differentem Gravium Solidorum & Fluidorum Pressionem*: Latin translation of *New Experiments about the differing pressure of Heavy Solids and Fluids, Works*, iii. 643–50 (pp. 19–34); *Experimenta nova de Positiva vel Relativa corporum sub aquis Levitate*: Latin translation of *New Experiments of the positive or relative levity of bodies under water, Works*, iii. 635–8 (pp. 35–41); *Novae quaedam experimenta circa Elaterii Aeris in corpora sub Aquis demersa Pressionem*: Latin translation of *New Experiments about the Pressure of the Air's Spring on Bodies Under Water, Works*, iii. 639–42 (pp. 43–50). Hand: Ramsay. 18 frames.
- 0581 P 51–94. Various chemical recipes and notes, some of them endorsed with months, though not years ("Mar 86" on p. 59 is probably a later addition, accompanying "Trd"): e.g., "continued from December 27" (p. 51); "continued from January 25" (p. 75); "A Continuation of Chymical Receipts from the 25th of March" (p. 79); "from Jan. 25th" (p. 83). Hands: Slare, Warr, Uncertain (pp. 71–3), E (pp. 73–4, 87–94). 20 frames.
- 0601 P 95–111. Latin translation of text of *Experimenta et Observationes Physicae, Works*, v. 569–74 (misbound: p. 101 should follow p. 111). Hand: M. 8 frames.

Volume Page
Frame No. Frame No.

Volume Twenty-five cont., Science

- 0609 P 113–25 Further Latin passages comprising dated observations evidently relating to
(126 blank). *Experimenta et Observationes Physicae*, but not in published text; incomplete
[?]. Some observations dated, e.g, 15 February 1689 (p. 113); 25 May 1685 (p.
121). Hand: M. 6 frames.
- 0615 P 127–35. Text concerning hypothesis about formation of minerals. Hand: H. 4 frames.
- 0619 P 137–44. “De Motu Corporum ex mutuo impulsu Hypothesis”: Latin essay on motion by
Huygens; cf. BP 20, pp. 159–65. Hand: Unknown. 3 frames.
- 0622 P 145–50 “Archimedes Equations of a Sphaere, and Cylinder, their Surfaces & Solids,”
(151–2 blank with a cover note (p.145) in the form of a letter from Robert Wood to George
except en- Tollet, 31 July 1676. Hand: Unknown. 4 frames.
dorsement).
- 0626 P 153–6. “Promiscuous Observations begun the 24th of September 1655”; reports of
conversations and recipes, September–October 1655. Hand: early Boyle.
2 frames.
- 0628 P 157–60. “A Private Philosophical Diary”: in fact an assortment of recipes,
January–February 1656. Hand: early Boyle. 2 frames.
- 0630 P 161–72. “My Private Philosophicall Diary” (from January to May 1657): mostly recipes.
Hands: early Boyle, 1650s. 6 frames.
- 0636 P 173–83 “Philosophicall Collections”: mostly recipes; from September 1656 to December
(184 blank). “1655” (1656?). Hand: 1650s [?]. 6 frames.
- 0642 P 185–215 “De generatione & transmutatione Metallorum Dialogus”: Latin translation of
(216 blank). part of dialogue. Hand: Ramsay. 16 frames.
- 0658 P 217–24. Introductory material to “Paralipomena,” intended as appendix to *Experimenta et
Observationes Physicae*, including Preface, etc. Hand: Bacon. 2 frames.
- 0660 P 225–72. “Memoirs & Paralipomena the 2nd Tome”: notes of experiments, reports from
travelers, extracts from books, etc., some concerning gems, together with: (1) “A
Description of the Trew Thermometer” (pp. 245–8, endorsed “Mr. Wick’s [?]”
Description of his Weather Glasse”); (2) title page, “Memoirs for Divers parts of
Naturall History Treated of by Mr. Boyle... The _____ Section” (p. 253); (3) two
copies of Latin notes on metals (pp. 255–61); (4) list of topics concerning natural
history of water (pp. 264–5); and (5) list of proposed experiments (p. 267). Two
dates in September 1678 appear on p. 225. Hands: Various. 21 frames.
- 0681 P 273–82. Information recorded from the imperial ambassador and members of his
entourage concerning the transmutations of J. W. Seiler, one with the date “June
26” in margin, with further extract added from letter from St. George Ashe to the
Royal Society, July 1691. Hand: Bacon [?], Uncertain. 4 frames.
- 0685 P 283–305 Mainly material relating to “the Dialogue about the Transmutation and
(306 blank). Generation of Mettals...” but also including miscellaneous pasted-up notes (fol.
297) and passage from preface to “Chaos of Experiments” (fol. 301: pencil title).
Hand: Bacon. 9 frames.
- 0694 P 307–8. Duplicate of pp. 277–8, dated “27 Febr.” Hand: Bacon. 1 frame.
- 0695 P 309–27. Miscellaneous notes and recipes related to those on pp. 225f., above, including
material on a menstruum, perhaps for the treatise on transmutation (p. 309); a
note on “the strange, and incredible vertue of some Herbes” (p. 311); an herbal
experiment involving creation of philosopher’s stone, dated as translated from
French in 1627 (p. 313); prefatory material to a paper on the use of alchemical
processes (pp. 315–7); definition of spirit (p. 319); “An Historical Account of a
strangely self-moving Liquor” (cf. *Phil. Trans.*, 15 (1685), 1188–92) with “An
account of making a moving Liquor” (pp. 321–5); and notes on experiment with
aqua fortis and quicksilver (p. 327). Hand: Bacon. 10 frames.

Volume Frame No.	Page/Folio Frame No.	
	0705	P 329–32 (333–6 blank except for endorsement). Perfume recipes “out of Mr. Evelyns Booke of Receipts &c.” Hand: John Evelyn. 3 frames.
	0708	P 337 (338–40 blank except for endorsement). Letter from George, Patriarch of Antioch, concerning the philosopher’s stone; dated 25 July 1677. Holograph [?]. Partially printed in Maddison, <i>Life</i> , 167. 1 frame.
	0709	P 341–2. Latin and English recipes, including “Dr. Boat’s receipt for the Stone.” Hand: early Boyle. 1 frame.
	0710	P 343–6. “Memorialls Philosophicall. Beginning this First day of the Yeare 1651/52”: mostly medicinal recipes. Hand: early Boyle. 2 frames.
	0712	P 347–58. Further recipes. Hand: early Boyle. 4 frames.
	0716	P 359–62. “Pomata, Comitissae de Trivier” [?]: collection of Latin medicinal recipes from Dr. Mayerne and others. Hand: early Boyle. 2 frames.
	0718	P 363–5. Notes on loadstones. Hand: Unknown. 2 frames.
	0720	P 367–85. French perfume recipes (incomplete). Hand: Uncertain. 9 frames.
	0729	P 387–410. Notes and papers on shining of sea and other substances and on sea salt, some pasted-up. Hands: Uncertain, E (p. 392), F (p. 393), Bacon (pp. 395, 397b, 399–407), Greg (p. 397a). 8 frames.
	0737	P 411–17 (418 blank). Part of a discourse on the method for making and explicating experiments on the composition of air. Hand: 1650s. 3 frames.
	0740	P 419–21. Further account of Seiler’s transmutation. Hand: Bacon. 1 frame.
	0741	P 423–6. “A Coniecture at the Causes of the real Virtues of gems & medicinall stones”: introductory section, arguing in favor of hypothesis that virtues of such stones derived from mixture of metalline and other substances in them, and of their virtue. Hand: E. 3 frames.
	0744	P 427–32. “Doctor Wallys’s Account of Dr. Goddards Experiment made at Gresham-Colledge, about weighing of Glas[s]-canes with the Cylinders of quicksilver, standing in them, according to the Torricellian Experiment.” Cf. Birch, <i>History</i> , i. 106. Hand: Uncertain. 2 frames.
	0746	P 433–6. “Praeparatio Salis marini &c”: account of experiments with salt, etc. Hand: Unknown. 2 frames.
	0748	P 437–42. Diagrams of “a Mercuriall Furnace” (439 blank; 440, 442, endorsements only). 2 frames.
	0750	P 443 (444 blank). Brief note on generation of stones. Hand: H. 1 frame.
0751	Volume Twenty-six, Science (Folio-size volume; foliated; 226 folios)	
	0751	F 1–2. “A Philosophicall Diary begun Sept. the 20th”: collection of recipes and notes of experiments, dated September–October of unknown year. Hand: Uncertain. 3 frames.
	0754	F 3–12. Miscellaneous papers, including notes of experiments, observations, and fragments of text, with title “Distinguish’d Experiments Or more Private Observations Continu’d from 7ber the 29th 1688/9” (fol. 3), including description of pumping engine at “Relistian Tyn Mine in the parish of Gwininer in the County of Cornewall” (fol. 8). Hands: Various. 8 frames.
	0762	F 13–25. “Preliminar[y] Relation of the Mines in Scotland in Generall.” Hand: Unknown. 11 frames.

Volume Folio
Frame No. Frame No.

Volume Twenty-six cont., Science

- 0773 F 26–31. Prefatory material to “Memoirs of the History of the Air” and “Catalogue des Titres ou Chapitres de l’Histoire de l’Air.” Hand: Bacon. 6 frames.
- 0779 F 32. “A Small Stone of the Kinde called by some Authors Oculus Mundi, being dry & cloudy weighed”: table of weights of the stone when dry, wet, etc.; and experiment on it. Hand: Holograph [?]. 1 frame.
- 0779 F 33–6. “Promiscuous Collections out of Parrac his fourth Tome”: numbered observations on chemical matters. Hand: Bacon. 3 frames.
- 0782 F 37–44. Further chemical notes and memoranda. Hand: Bacon. 5 frames.
- (45 blank).
- 0787 F 45v–52. Titles for Natural Histories of Air, Blood, Water, and Sea and “General Heads for a Natural History of a Country great or small” [cf. *Phil. Trans.*, 1 (1666), 186–9]. Hand: Bacon. 3 frames.
- 0790 F 53–77. Miscellaneous accounts of experiments and sections of text (some on luminosity: fols. 61–3, 70); solution of simultaneous linear equation (fols. 64–5), “Enquirys about Lime” (fols. 75–6), and letter to Boyle about a phenomenon connected with a coal mine, 8 April 1686 (fol. 77). Hands: Bacon, N, C [?] (fols. 72–3), Slare (fol. 74), F (fols. 75–6). 20 frames.
- 0810 F 78–89. Notes on observations, reports on conversations, memoranda, recipes, etc.; some pasted down, some numbered, one dated May 22 1664 (fol. 88). Hand: mainly Bacon. 15 frames.
- 0825 F 90. “Enquirys & Tryalls about Insects & spontenarta” [?]. Hand: F. 1 frame.
- 0826 F 91–5. “De Centro Gravitatis” and “De Libra.” Hand: E. 4 frames.
- 0830 F 96–9. Incomplete numbered collection of recipes, dated 13 May–8 June [16]57, “Oxon”. Hand: Uncertain. 2 frames.
- 0832 F 100–16. Miscellaneous recipes and observations, many of them pasted down, interspersed by account of experiments with microscope and diagrams of apparatus with commentary in French (fols. 109–114). Hands: Bacon, Uncertain. 11 frames.
- 0843 F 117–8. Italian essay: “L’arte maestra d’Agrocoltura in segna a multiplicare il raccolto delle semenze.” Hand: N. 1 frame.
- 0844 F 119–25. Descriptions of experiments; topics covered include production of light, shrinking, gravity of air, balance to measure bulk of bodies. Hands: J, Oldenburg. 5 frames.
- 0849 F 126–36. Miscellaneous papers, including: account of phenomena in letter by Mr. J. M. to T. H., dated 24 April 1664 (fol. 126); “To prepare a balance to measure the bulk of bodyes by the help of water” (fols. 127–8); extract from anatomical work by M. Rochas (fol. 129); passage dealing with importance of mathematics in understanding structure of bodies (fols. 130–2); part of Latin translation of segment of *Experimenta et Observationes Physicae*, Works, v. 575–6, and section of text describing experiments (fols. 135–6). Fol. 129v quoted in R. N. Salaman, *The History and Social Influence of the Potato* (Cambridge, 1949), 448. Hands: Uncertain, F (fols. 130–2), 1650s (fols. 129, 135–6), Ramsay (fols. 133–4). 8 frames.
- 0857 F 137–42. Miscellaneous recipes, observations, and accounts of experiments, some pasted down. Hands: Slare [?], Bacon, Evelyn (fol. 141), G (fol. 142). 6 frames.
- 0863 F 143–61. Latin treatise concerning gems; apparently unpublished. Hand: Ramsay. 13 frames.
- 0876 F 162–75. “Essay the [] Of the Atomicall Philosophy”; fols. 162–3 published by R. S. Westfall in *Ann. Sci.*, 12 (1956), 111–3. The correct sequence is: fols. 162–3, 168–75, 166–7, 164–5 [cf. R. G. Frank, *Harvey and the Oxford Physiologists* (Berkeley and Los Angeles, 1980), 316 n. 28]. Hand: Uncertain. 7 frames.
- 0883 F 176–81. List of various of Boyle’s published writings, 1661–87. Hand: M. 7 frames.

Volume Frame No.	Folio/Page Frame No.	
0889	F 182–9.	French translation of chs. 1–2 of Basil Valentin's <i>Tractatus Chymico-Philosophicus de Rebus Naturalibus et Supernaturalibus</i> (Frankfurt, 1676), and "Advis au Lecteur." Hand: Oldenburg. 4 frames.
0893	F 190–2.	Transcript of German treatise, "Bereitung des Stein Ignis." Hand: Oldenburg. 1 frame.
0894	F 193–4.	Plan for various essays on usefulness of natural philosophy. Hands: F, E. 1 frame.
0895	F 195–201.	Miscellaneous descriptions of experiments and sections of text, including experiments with noctiluca, barometric phenomena, qualities of pores, weight of dead and live animals, and effluvia. Hands: Uncertain, J (fol. 197), Slare (fols. 198–201). 4 frames.
0899	F 202–3.	Draft reply to critic of Boyle's <i>Physico-Mechanical Experiments</i> ; relevant to introduction to <i>Defence against Linus</i> (cf. <i>Works</i> , i. 123). Hand: Uncertain. 3 frames.
0902	F 204.	Introductory note to work on natural philosophy. Hand: 1650s. 1 frame.
0903	F 205–6.	"New Experiments further elucidating The Nature of the Air Water & other Bodies," submitted to Royal Society in reply to Boyle's pneumatic experiments by "J. W. gent." Hand: Unknown, holograph [?]. 2 frames.
0905	F 207–26.	Miscellaneous descriptions and lists of experiments, recipes, and sections of text, some pasted down: includes diagrams of retorts, furnace, etc.; experiment with white clay (fol. 210); "Experiments proposed to be made in Mr Boyles Pneumatick Engine" (fol. 217); list of Dr. Elsholtz's experiments (fol. 220); heads and introductory remarks to discourse on air (fols. 221v–3); notes on cost of smelting silver in Cardiganshire (fol. 226). Hands: Various. 20 frames.

Reel 10

Volume Twenty-six, Science cont.

0001	F 207–26 cont.	Miscellaneous descriptions and lists of experiments, recipes and sections of text, some pasted down: includes diagrams of retorts, furnace, etc.; experiment with white clay (fol. 210); "Experiments proposed to be made in Mr Boyles Pneumatick Engine" (fol. 217); list of Dr. Elsholtz's experiments (fol. 220); heads and introductory remarks to discourse on air (fols. 221v–3); notes on cost of smelting silver in Cardiganshire (fol. 226). Hands: Various. 28 frames.
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0028

Volume Twenty-seven, Science

(Folio-size volume; paginated; 468 pages)

0028	Preceding P 1.	Vellum cover: "A.A. The Outlandish Booke." Hand: Uncertain. 2 frames.
0030	P 2–3 (1, 4 blank).	Verses, including ones on a list of Boyle's works giving a guide as to which works various letters and numbers refer. Hand: Slare [?]. 1 frame.
0030	P 5–150.	"Promiscuous Experiments, Observations, & Notes" (pencil title): notes on experiments, recipes, reports on conversations, records of weights (fols. 42–3, 47, 83), etc., numbered 201 to 720, and with various dates including 1659, 1661 (fol. 19), 1660 (fol. 23), 1668 (fol. 24). Many have endorsements identifying their subject matter. Hands: Various 62 frames.
0092	P 151–4.	Observations about divers in Ceylon and other travelers' observations. Hands: Uncertain (pp. 151–2), E (pp. 153–4). 2 frames.
0094	P 155–59 (160 blank).	Miscellaneous reports of conversations, recipes, etc., two dated 1668. Hands: K, E, Bacon. 3 frames.
0097	P 161–6.	Incomplete list of numbered observations and "An Index belonging to the flower pot booke" (title only). Hands: mainly Boyle, Warr. 2 frames.

Volume Page
Frame No. Frame No.

Volume Twenty-seven cont., Science

- 0099 P 167-78. Account of hydrostatical experiment. Hand: J. 6 frames
- 0105 P 179-96. Further experiments and observations, numbered 214 to 237 (incomplete at start). Hand: Slare. 9 frames.
- 0114 P 197-209 Series of incomplete tables comprising lists of numbers (presumably of
(210 blank). observations or experiments, as penciled beside entries in this and other volumes) and notes on topics of entries or of the work to which they were appropriate. Hands: Various. 3 frames.
- 0117 P 211-252. Further experiments and observations, continuing (in mid-sentence) the series ending on p. 196 and comprising nos. 238-300. Topics covered include preservation of bodies. The dates 1 August and 15 September appear on p. 219. Hands: Slare, F (pp. 219-20), Uncertain (pp. 245-6). 18 frames.
- 0135 P 253-73 Papers concerning flame and surfaces of contiguous liquors (possibly linked to
(274 blank). *Works*, iv. 354f.). Hands: Bacon, Slare, Uncertain. 9 frames.
- 0144 P 275-96. Recipes, including "Disolvant pour Le Sol et poudre pour La fonte Des Diamans" (pp. 275-7); "The Receipt for Pearles" (p. 292); "Inke for the Rolling Presse" (by John Evelyn: dated "Apr 2d 1660") (pp. 293-4). Hands: E, Uncertain, B [?], Evelyn. 9 frames.
- 0153 P 297-314. Text dealing with "the Petrifick Spirit." Hand: H. 7 frames.
- 0160 P 315-26 [Sir Robert Moray], "An account of Glasse Drops" (cf. Birch, *History*, i. 37-41)
(324-5 together with "Observations of the rising up of liquors in one tube of Glasse
blank). Made By Dr Henshaw" (cf. Birch, *History*, i. 18). Scribal hands. 5 frames.
- 0165 P 327-32 Extracts from letters to Oldenburg from Boccone (Rouen, April 30 1675) and
(333-4 blank Gregory (25 April 1675), and "Quer[ies] about Gems"; cf. *Oldenburg*, xi. 283-5;
except for *Phil.Trans.*, 10 (1675), 307 (part only). Hand: Oldenburg. 3 frames.
endorsement).
- 0168 P 335-46 "De Generatione Perlarum": Latin essay. Hand uncertain. 4 frames.
- 0172 P 347-59 Account of various experiments with "Statical Baroscope." Hand: Slare.
(360 blank). 4 frames.
- 0176 P 361-466. Miscellaneous notes on experiments, diagrams, etc. including account of Torricellian experiment in French (pp. 361-2); account of experiment with flame and minerals in exhausted receiver (pp. 363-8); diagrams of experimental apparatus, optical experiments, machines and geometrical figures, the latter apparently illustrations to a treatise (pp. 369, 375-9, 383, 387-401, 403-54, 459bis, 461, 465); "Some Observations Concerning the Texture & similar parts of the body of a tree, which may holde also in shrubs & other woody Plants" (pp. 371-4); notes of weights (p. 381); contents of vol. 2 of *Medicina Hydrostatica* (p. 385). Hands: Various. 17 frames.
- 0213 P 467 Latin mathematical notes and equations. Hand: Unknown. 1 frame.
(468 blank).

0214

Volume Twenty-eight, Science

(Folio-size volume; paginated; 412 pages)

- 0215 P 1-98. "Memoirs for the Natural History of Tin": introduction, followed by pages with
(99 blank). headings, with occasional passages of text inserted; from p. 85, list of titles and miscellaneous extracts concerning tin. Hands: title (and p. 89) Greg; text mainly Bacon. 41 frames.
- 0256 P 100-115 Text concerning coloration, human blood, and scientific method. Hand: mainly Greg. 12 frames.
- 0268 P 116-20. Miscellaneous observations, including copy of cure for ague, signed by William Smith, curate of Deptford, and given to Boyle by Evelyn. Hand: Bacon. 2 frames.

Volume Frame No.	Page Frame No.	
0270	P 121–207 (208 blank).	Latin translation of Preface and Part I of <i>Christian Virtuoso</i> , <i>Works</i> , v. 508–40. Hand: M. 46 frames.
0316	P 209–35 (236 blank).	Incomplete section of text dealing with curability of diseases and strengths and weaknesses of different medical schools. Hand: Uncertain. 14 frames.
0330	P 237–56.	Draft for “Determinate Nature of Effluvioms” as published in <i>Works</i> , iii. 692–700; not exactly as published (see especially p. 247). Hands: Slare, Warr. 10 frames.
0340	P 257–8.	Latin text and mathematical equations: propositions 33 and 34; endorsed “Ex Euclid Elementorum lib. [?], pag. 478, 479.” Perhaps connected with Wallis material in BP 8 and 10. Hand: Uncertain. 1 frame.
0341	P 259–63.	Experiments and other numbered notes and observations (in cold weather), perhaps from a traveler. Hand: Bacon [?]. 3 frames.
0344	P 265–76.	Section of text dealing with “the casuall Origination of plants & Animalls”; paginated 26 to 32 (28 and 29 now out of order). Hand: 1650s. 6 frames.
0350	P 277–83 (284 blank).	Miscellaneous reports, observations, and recipes, including report of astronomical phenomenon dated 8 August 1688 from Lord Shannon (p. 283). Hands: Bacon, Greg. 4 frames.
0354	P 285–91.	Experiments concerning atmospheric pressure. Hand uncertain. 4 frames.
0358	P 293–6.	“Essay XIII”: part of essay on mutual relationship of theoretical and practical parts of natural philosophy (cf. BP 24, pp. 375f.). Hand: F, with cover slip by Miles. 2 frames.
0360	P 297–9.	Latin extracts from an oration. Hand: Bacon. 2 frames.
0362	P 301–7 (308 blank).	Effluvioms, their determinate nature and great effects; section (i) as in first two paragraphs of “Determinate Nature of Effluvioms,” <i>Works</i> , iii. 689–90; section (ii) as in first two paragraphs of “Great Efficacy of Effluvioms,” <i>Works</i> , iii. 677. Hand: H. 5 frames.
0367	P 309–11 (312 blank).	“Memorialls Philosophical Beginning this Newyears day 1649/50 & to End with the Year. And so, by God’s Permission, to be annually continu’d during my Life”: observations, experimental notes, and remedies, mainly from Worsley and Boate. Hand: early Boyle. 2 frames.
0369	P 313–31 (332 blank).	Miscellaneous accounts of experiments, etc., some in Latin, including account of experiment on incalcescence of solid bodies (pp. 313–6), draft of part of <i>Usefulness</i> (pp. 327–30), and process for extraction of mercury (pp. 331–2). Hands: K, Bacon (fol. 317), Uncertain, 1650s (fols. 327–8), A (fol. 331). 10 frames.
0379	P 333.	Two scraps of paper giving key to chemicals numbered 20–41 and 76–108; cf. Maddison, <i>Life</i> , 171n. Hand: Bacon. 1 frame.
0380	P 335–98.	Miscellaneous notes, remedies, experiments, and sections of text, some in Latin and some dated (e.g., first note on p. 337 dated 2 August 1678), including: “Postscript” recounting barometric experiment (p. 335); text concerning experiment with oil of vitriol (pp. 343–6); text concerning effects of heat and cold and qualities of bodies (pp. 351–4); part of “Usefulness of Mathematics to Natural Philosophy,” <i>Works</i> , iii. 429–32 (pp. 381–9). Hands: Various. 32 frames.
0412	P 399–402.	“A Summary Account Of my whole Designe concerning Vegetables,” including lists of matters to be considered (incomplete). Hand: Oldenburg. 2 frames.
0414	P 403–6.	List of headings concerning fermentation, <i>Sceptical Chymist</i> , etc. Hands: 1650s [?], G. 2 frames.
0416	P 407.	French paper concerning navigational skills of Sr. Guillet. Hand: Unknown. 1 frame.
0417	P 409–12.	Notes on production of “Glasse of Antim[ony],” etc., and “Author’s Tincture.” Hand: Uncertain. 3 frames.

Volume Folio
Frame No. Frame No.

0420 **Volume Twenty-nine, Science**
(Quarto-size volume; foliated; 248 folios)

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| 0421 | F 1–10. | “Dr Becheri Theoria, seu Opinio Singularis de Metallorum Generatione et Tractatione”: copy of Latin tract by Becher, with further page of relevant text. Hand: L [?]. 9 frames. |
| 0430 | F 11–31. | “Monticulus Mineralis”: Latin tract on minerals. Hand: Bacon. 21 frames. |
| 0451 | F 32–3. | “La vera vernice della china” and other recipes in Italian. Hand: Bacon. 2 frames. |
| 0453 | F 34. | Cover sheet. 1 frame. |
| 0454 | F 35–76. | “Examen Antiperistaseos Secundum”: Latin version of “Examen of Antiperistasis”, as in <i>Works</i> , ii. 659–82. Hand: L. 41 frames. |
| 0495 | F 77–82. | Section of Latin text concerning new paradox of certain Cartesians. Hand: L. 6 frames. |
| 0501 | F 83–105. | “De Philosophiae Experimentalis, qua humanam mentem afficit, munere ac fructu singulari”: Latin version of Part I, Essay I of <i>Usefulness of Experimental Natural Philosophy</i> , <i>Works</i> , ii. 5–14. Hand: Unknown. 22 frames. |
| 0523 | F 106–9. | “De Anima Perpetui Mobilis, seu Explicatio Causae moventis naturalis in Mobili Perpetuo”: two copies of Latin essay. Hands: Two unknowns. 4 frames. |
| 0527 | F 110–45
(146 blank except for endorsem-
ments). | “Oeuvre Philosophique,” Part I: assortment of chemical and alchemical experiments and recipes derived from M. Carton, M. Saumaise, Drs. Farrar and Clodius, the former evidently via Sir Kenelm [Digby]. French text illustrated by diagrams and with additions in English, including a recipe for a menstruum by Dr. Claudius [sic]. Hand: Unknown. 37 frames. |
| 0564 | F 147–50. | “Objections against the funicular Hypothesis of Franciscus Linus” and notes on experiments, dated 14–15 October 1661, sent by Henry Power to William Croone. Referred to by Boyle and experiment used in <i>Spring of the Air</i> : <i>Works</i> , i. 152–55. Hand: Power. 4 frames. |
| 0568 | F 151–82. | “Of Cyder and Winy Liquors”: extracts of letters from Beale and Pell, various dates in 1658, with cover sheet by Miles giving details of content. Miscellaneous scribal hands, with title by Hartlib. Notes in another hand on fol. 182v. 32 frames. |
| 0600 | F 183–6. | “Johannis Joachimi Becheri Sr. Caesareae Majestatis Ferdinandi III quondam Mathematici Nova Inventio Argo-nautica”: Latin text on an invention by Becher; date of original pre-1657. Hand: Unknown. 3 frames. |
| 0603 | F 187–8. | “Sur l’eau de la Mer de 8 a 12 ans.” Hand: Unknown. 2 frames. |
| 0605 | F 189–90. | “Secunda pars De producibilitate spirituum, Sectio prima: De producibilitate Spirituum Vinosorum”: Latin translation of part 2, section 1 of <i>Producibleness of Chymical Principles</i> , <i>Works</i> , i. 609–10. Hand: Uncertain. 2 frames. |
| 0607 | F 191–4. | Diagram of geocentric system of universe, entitled “Systema Novum” (fol. 191) and objections to it in Latin (fols. 192–4); also text on eclipse of sun dated 14 November 1659 (fol. 191v). Scribal hand. Fol. 194 is a cover sheet sending the contents to Boyle, in Hartlib’s hand. 4 frames. |
| 0611 | F 195. | Latin notes on experiments; various dates from May to December 1678. Hand: Uncertain. 1 frame. |
| 0612 | F 196. | Account of experiment with heated, powdered glass. Hand: Bacon. 1 frame. |
| 0613 | F 197–206. | “Paradoxum de Naturali, et Praeternaturali Statu Corporum, potissimum Aeris”: Latin version of “Natural and Preternatural States of Bodies, especially of the Air,” <i>Works</i> , iii. 782–6. Hand: L. 10 frames. |
| 0623 | F 207–18. | “Specimena XI: Rationes expectandi grandia Philosophia Naturali promota Commoda”: Latin translation of unknown work [?]. Hand: L. 12 frames. |

Volume
Frame No. Folio/Page
Frame No.

0635 F 219–48. *Inquisitio Libera in Notionem Naturae omnium calculis probatam*: Latin version of *Free Inquiry into the Vulgarly Receiv'd Notion of Nature* (incomplete), *Works*, v. 161–7 (Section I) and 173f. (Section IV). Hand: L. 31 frames.

0666 **Volume Thirty, Science**
(Quarto-size volume; paginated; 550 pages)

0667 P 1–52. “Medulla Philosophiae. The marrow of Philosophy compiled by George Rypley [Ripley] cannon of Bridlington [1476], copied by me Thomas Potter 1580. together with the marginall notes that I found in the same copy,” and “Fragmenta Riplaei”: alchemical texts. Hand: N. 27 frames.

0694 P 53–72. “Hic chara Philosophia mea Elixir in solo Mercurio”: recipe for elixir using mercury solution; followed by “Opus Rogeri Bacon” and letter from Ripley to [Arch]Bishop of York on elixir (pp. 63–8). Hand: Bacon. 10 frames.

0704 P 73–175
(176 blank). “Experimenta et Notae circa Originem Mechanicam & Productionem Volatilitatis seu Habilitatis evaporandi”: Latin version of “Experimental Notes of the Mechanical Origin and Production of Volatility,” *Works*, iv. 292–305. Hand: L. 52 frames.

0756 P 177–229
(230 blank). “Notae Experimentales de Origine Mechanica Seu Productione Fixitatis”: Latin version of “Experimental Notes of the Mechanical Origin or Production of Fixedness,” *Works*, iv. 306–13. Hand: L. 27 frames.

0783 P 231–82. *De grandibus Effectibus Localis Motus etiam languidi*: Latin version of *Great Effects of even Languid and Unheeded Motion*, *Works*, v. 15–31. Incomplete: the first section of *Great Effects*, *Works*, v. 1–14, is not here. Hand: L. 34 frames.

0817 P 283–90
(291–8 blank except endorsement). French recipes. Hand: Unknown. 5 frames.

0822 P 299–316. Text concerning chemical preparation of salts. Hand: Bacon. 9 frames.

0831 P 317–32. “Memoriale breve Quarundam Observationum in Substantiam quandam Artificialem sine ulla praecedenti Illustratione splendenter Mense Septembri Anni 1677.” Evidently related to *Aerial Noctiluca*, *Works*, iv. 379–404. Hand: L. 8 frames.

0839 P 333–40. “Remarques Curieuses sur la Roche dont on fabrique les turquoises d’Occident”: French text on a stone used for counterfeit turquoise. Hand: Unknown. 3 frames.

0842 P 341–52. German paper, evidently on assaying of minerals. Hand: Uncertain (Clodius [?]). 6 frames.

0848 P 353–94
(391–4 blank except endorsements). French manuscript on chemistry, copied from a manuscript owned by M. de la Vour (cf. p. 387). Hands: Two unknown (second at pp. 366–7, 387–92). 20 frames.

0868 P 395–405
(405–6 blank). “De Productione Spirituum Urinosorum,” etc.: Latin translations of parts 2 and 3 of “Producibleness of Spirits,” *Works*, i. 610–13, and incomplete version of part of “Author’s Preface” to *Producibleness of Chymical Principles*, *Works*, i. 587–93. Hand: Uncertain. 6 frames.

0874 P 407–40. Papers describing experiments, etc., some in French, Latin and Italian, including observations concerning germination of vegetables and beer in thundery weather *in vacuo Boyliano*, dated 16 March and 17 June (the latter printed in *Works*, iv. 145–8) (p. 411); notes on assays of metals (pp. 413–4); “Arcanum authoris Metamorphoseos planetarum” (i.e., Johann de Monte-Snyders: recipes) (pp. 415–7); Italian extract endorsed “La Chieve del Gabin. Del Cavagl. Borri” (pp. 429–36). Hands: Various. 16 frames.

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Volume Thirty cont., Science

- 0890 P 441–4. Verses on natural philosophy and list of proper “Explications” for “The Differing Degrees or kinds of knowledge of Nature.” Hand: Greg. 1 frame.
- 0891 P 445–52. “A Diary and a Practike given me by Mr. Oughtred”: i.e., an anonymous account of an alchemical transmutation. Cf. British Library Sloane MS 2222, fols. 136v et seq. Hand: Unknown. 4 frames.
- 0895 P 453–72. Extracts from Latin works, including one by Zucchi (p. 453–4). Hands: Unknown/uncertain. 10 frames.
- 0905 P 473–6. Extracts from letters, some from Christopher Farner in Leipzig, others from Amsterdam, to Mr [John] Poleman, dated 4/18 March 1661, etc. Scribal italic. 2 frames.
- 0907 P 477–9. Further Latin extracts, from Kircher and “Andr. Alexandro Germanus.” Hands: Unknown. 2 frames.
- 0909 P 481–8. Incomplete copy of Joachim Jungius’s *Protonoeticae Philosophiae Sciagraphia*, comparable to that now in Cambridge University Library: cf. Hans Hangro, *Joachim Jungius’ Experimente und Gedanken zur Begründung der Chemie als Wissenschaft* (Wiesbaden, 1968), 256–71, and *Works*, v. 266. Scribal hand. 4 frames.
- 0913 P 489–98 Latin chemical notes (2 copies) and brief cosmological notes (p. 495). Hand: (492–4, 496–8 blank). Bacon. 3 frames.
- 0916 P 499–506. Incomplete transcript of Starkey’s letter to Boyle of April/May 1651, BL 6, 99–100: cf. Newman in *Isis*, 78 (1987), 564–74. Hand: Uncertain. 4 frames.
- 0920 P 507–550. “Barometricall Entrys”: numbered notes on weather; dated September–October 1666 and various months of an unknown year; memoranda on p. 527. Hands: mainly E, Slare. 12 frames.

Reel 11

0001 **Volume Thirty-one, Science**
(Quarto-size volume; paginated; 554 pages)

- 0002 P 1–96. “Experimenta atque Notae circa Originem Mechanicam seu Productionem Corrosivitatis, & Corrosibilitatis”: Latin translation of “Experiments and Notes about...Corrosiveness” and “About the Mechanical Origin of Corrosibility,” *Works*, iv. 314–28. Hand: L. 49 frames.
- 0051 P 97–140. “Reflexiones super Hypothesin Alkali et Acidi”: Latin translation of “Reflections on the Hypothesis of Alkali and Acidum,” *Works*, iv. 284–91 (except for note on p. 98, which is not in published version). Hand: N. 26 frames.
- 0077 P 141–212. “De Causis Mechanicis Praecipitationes Chymicae”: Latin translation of “Mechanical Causes of Chemical Precipitation,” *Works*, iv. 329–39. Hand: L. 35 frames.
- 0112 P 213–35. “Notae de Productione Mechanica Malleabilitatis & Rigiditatis”: Latin translation of text similar to content of *The Mechanical Origin or Production of Divers Particular Qualities* (*Works*, iv. 230f.) but apparently unpublished. Hand: L. 12 frames.
- 0124 P 237–73 Latin translation of *Historical Account of the Degradation of Gold*, *Works*, iv. (274–6 371–9. Hand: N. 19 frames. blank).
- 0143 P 277–94. “Latin Version of a Tract about Flame” [endorsement by Wotton on p. 294]: unpublished. Hand: L. 9 frames.

Volume Page
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- 0152 P 295–397 Latin notes and extracts from Johann Joachim Becher's *De Arenaria Perpetua* (398 blank). (London 1680), together with notes on various processes by other experimenters, evidently also from Becher. Hand: L. 87 frames.
- 0239 P 399–554. "Adepti Michaelis Sendivogii, Epistolae Philosophicae ad Sodalem": copy of (i) part of "Statuta Philosophorum Incognitorum" (pp. 401–23) and (ii) "Apographum Epistolarum Michaelis Sendivogii," letters written from February 1646 to 28 January 1647 by Sendivogius (pp. 424–549); also "Sigillum seu Hieroglyphicus Societatis Philos[ophorum] Incognitorum": text on the secret sign of a society of philosophers (pp. 550–4). Hand: N. 75 frames.

0314 **Volume Thirty-two, Science**
(Quarto-size volume; paginated; 650 pages)

English translations of Otto Tachenius's *Clavis* and *Hippocrates Chymicus* by "J. W." (p. 323). Hand: Warr sen.

- 0315 P 1–80. *Clavis*: Introduction (dated "Venice," "the Ides of Nov: 1668," p. 14), Preface and chapters 1–4. 40 frames.
- 0355 P 81–301. Chapters 11–30 of *Hippocrates Chymicus*. 13 frames.
- 0468 P 303–20. "The Index containing the principall experiments, and other observable things, which occurre in the Clavis aforegoeing." 10 frames.
- 0478 P 321–2. Flyleaf with note on verso. 1 frame.
- 0479 P 323–422. *Hippocrates Chymicus*: introductory note and chapters 1–10. 51 frames.
- 0530 P 423–628. Chapters 5–9 of *Clavis*. 101 frames.
- 0631 P 629. Note. 1 frame.
- 0632 P 630. "The Index of the Chapters contained in this Clavis": notes on the whereabouts of specific arguments, in order of their position in the text. 11 frames.
- 0632 P 631–50. Further version of Index on pp. 303–20. 1 frame.

0643 **Volume Thirty-three, Science**
(Quarto-size volume; paginated; 489 pages)

- 0644 P 1–22. "Experimentum Novum circa Productionem Frigoris, ex Conflictu Corporum, Ebullitionem praese Ferentium, Exorti" and "Conamen manifestandi & mensurandi Magnam illam Expansivam vim Congelantis Aqua": Latin translations of "New Experiment about the Production of Cold by the Conflict of Bodies appearing to make an Ebullition" and of "An attempt to Manifest and Measure the Great Expanding Force of Freezing Water," *Works*, iii. 759–63, 754–6 (cf. BP 34, pp. 153–236). Hand: L. 12 frames.
- 0656 P 23–62. "Discursus de Imperfectione Doctrinae Chymistarum de Qualitatibus": Latin translation of "Discourse on the Imperfection of the Chemist's Doctrine of Qualities," *Works*, iv. 273–83. Hand: L. 20 frames.
- 0676 P 63–142. "Experimenta atque Notae circa Productionem Mechanicam Magnetismi seu Magneticarum Qualitatum" and "Experimenta atque Notae circa Originem Mechanicam vel Productionem Electricitatis": Latin translations of "Experiments and Notes about the Mechanical Products of Magnetism" and of "Experiments and Notes about the Mechanical Origin or Production of Electricity," *Works*, iv. 340–44, 345–53. Hand: L. 42 frames.
- 0718 P 143–62. "Experimentum Novum nec non Alia Exempla de Efficacia Humiditatis Aeris": Latin translation of "A New Experiment, and other Instances of the Efficacy of the Air's Moisture," *Works*, iii. 798–803. Hand: L. 11 frames.

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Volume Thirty-three cont., Science

- 0729 P 163–88. “Hygroskopium Staticum quod ulterius examinandum proponit Utilitatibus Hygroskopiorum simul breviter expositis”: Latin translation of “A Statical Hygroscope, proposed to be further tried, together with a brief account of the Utilities of Hygrosopes,” *Works*, iii. 787–98. Hand: L. 18 frames.
- 0747 P 189–231. *Experimenta, Notae etc. circa Originem, vel Productionem Mechanicam diversarum Particularium Qualitatum, quibus insertus est Discursus de Imperfectione Doctrinae Chymistarum de Qualitatibus simul cum quibusdam Reflexionibus super Hypothesi Alkali, & Acidi*: Latin translation of *Experiments, Notes &c. about the Mechanical Origin or Production of Divers Particular Qualities*, *Works*, iv. 230–5. Hand: L. 22 frames.
- 0769 P 233–64. “Reflexiones, super Hypothesin Alkali et Acidi”: Latin translation of “Reflections on the Hypothesis of Alkali and Acidum,” *Works*, iv. 284–93. Hand: L. 16 frames.
- 0785 P 265–91. Untitled Latin translation of Section IV of “Producibleness of Spirits,” *Works*, i. 613–6. Hand: L. 14 frames.
- 0798 P 293–315. “Pars Secunda de Possibilitate producendi Spiritus”: Latin translation of “Producibleness of Spirits,” Part II, Sections 1–2, *Works*, i. 609–11. Hand: L. 11 frames.
- 0809 P 317–76. “Observationes novae circa Spiritus adiaphorus, e Ligno aliisque corporibus extractos”: Latin translation of “New Observations about the Adiaphorous Spirits of Woods and divers other Bodies,” the final section of “Producibleness of Spirits,” *Works*, i. 616–9. Hand: L. 55 frames.
- 0842 P 377–432. *Specimen de Grandibus Effectibus Localis Motus etiam languidi & inobservati*: (incomplete) Latin translation of *An Essay of the Great Effects of even Languid & Unheeded Motion*, *Works*, v. 2–16. Hand: L. 27 frames.
- 0869 P 433–89. “Praefatio”: Latin translation of preface to *Producibleness of Chymical Principles*, *Works*, i. 587–92. Hand: L. 27 frames.

0896

Volume Thirty-four, Science

(Quarto-size volume; paginated; 494 pages)

- 0897 P 1–152. Unpublished Latin translation of Alexander von Suchten’s *Concordantia Chymica*, published in German at Frankfurt, 1606. Cf. BP 14, fols. 47f. Unknown scribal hand. 75 frames.
- 0972 P 153–236. “Dialogus Scepticus de Positiva vel Privativa Natura Frigoris”: Latin translation of “Sceptical Dialogue on the Positive or Privative Nature of Cold,” *Works*, iii. 733–54. Hand: L. 42 frames.
- 1014 P 238–323 (324–5 blank except for endorsement). “Apographum Epistolarum Michaelis Sendivogii”: Latin copy of letters of Michael Sendivogius, 9 February 1646–18 January 1655, preceded by note in French (fifty-four of the fifty-five letters are exact duplicates of those in BP 31, pp. 399–554); followed by “Sigillum Seu Hieroglyphus Societas Philosophorum incognitorum” (pp. 320–3; duplicate of that in BP 31, pp. 550–4). Hand: Clodius. 44 frames.
- 1058 P 327–51 (352 blank). “Titulus Primus. De Difficultate producendi Flammam absq[ue] Aere”: Latin translations of part of “Experiment III, Of the Difficulty of preserving Flame without Air” (misbound: p. 329 should be between pp. 334 and 335), followed by the whole of “Of the Difficulty of Producing Flame without Air,” *Works*, iii. 567–83. Hand: Ramsay. 13 frames.

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- 1071 P 353–430. (1) Further Latin translation of the above (pp. 353–72), together with translations of (2) “Difficulty of Preserving Flame without Air” (pp. 373–92), (3) “Of the Strangely Difficult Propagation of Actual Flame in *Vacuo Boyliano*” (pp. 393–404), (4) *New Experiments about the Relation between Air and Flamma Vitalis*, Works, iii. 567–89 (pp. 405–20); and (5) *Experimenta Nova circa Explosiones*: Latin translation of *New Experiments about Explosions*, Works, iii. 592–5 (pp. 421–30). Hand: L. 39 frames.
- 1110 P 431–46. “Sectio III. De Productione Spirituum Acidorum”: Latin translation of Section III of “Of the Producibleness of Spirits”: “Production of Acid Spirits,” Works, i. 609–15. Hand: L. 8 frames.
- 1118 P 447–93 (494 blank). “Concerning the Transmutation & improvements of Plants”: text in the form of a letter by John Beale, dated 18 October 1659. Scribal italic. 24 frames.

Reel 12

0001 Volume Thirty-five, Miscellaneous
(Folio-size volume; foliated; 223 folios)

- 0002 F 1–169. Materials for a thesaurus or dictionary, including lists of words and phrases in English and Latin with numbered references, definitions, and indexes. Hand: Warr. 145 frames. Interspersed by:
- 0147 F 96v–7. Notes on distinction between venial and mortal sin; fol. 95 has title, “De Invocatione Dei,” apparently predating thesaurus material. Hand: Warr. 1 frame.
- 0176 F 125–6. Table of barometric observations, March 1665/66 to November 1670. Hand: E. 2 frames.
- 0178 F 127–8. Numbered list of experiments, including penciled references to *Experimenta et Observationes Physicae* on fol. 128v. Hand: partly Boyle, partly E. 2 frames.
- 0185 F 133–5. Lists, etc., of Boyle letters by Henry Miles, one on the back of a note from “R.P.,” 2 November 1745. 3 frames.
- 0189 F 136. Note from “M.R.” to Miles with memoranda on it by Miles. 1 frame.
- 0197 F 144. Alphabetical list of minerals and other substances. Hand: Greg. 1 frame.
- 0211 F 158. List of letters from Eliot to Boyle. Hand: Birch. 1 frame.
- 0223 F 170. Algebraic equation. Hand: Unknown. 1 frame.
- 0224 F 171. Index of chapters to “Paralipomena”; cf. fols. 190–1. Hand: Bacon. 1 frame.
- 0225 F 172–3. “The Dayly Reflection. To my Lady Ranalaugh.” Hand: early Boyle [?]. 2 frames.
- 0227 F 174–5. Paper on excellency of Christian religion, perhaps unpublished prefatory material for *The Excellency of Theology*. Hand: Bacon. 1 frame.
- 0228 F 176. “Proposals for the propagating of the Christian Religion and converting of Slaves, Whether Negroes or Indians in the English Plantations.” Hand: Bacon. 1 frame.
- 0229 F 177. Methodological prescriptions. Hand: Bacon. 1 frame.
- 0230 F 178. Notes on types of experiments. Hand: Bacon. 1 frame.
- 0231 F 179–80. “General Heads for a Natural History of a Country, great or small, imparted by Mr Boyle”: cf. *Phil. Trans.*, 1 (1666), 186–9, and BP 26, fols. 47–8. Hand: Bacon. 2 frames.
- 0233 F 181. “Catalogue des Titres ou Chapitres de l’Histoire de l’Air”; cf. BP 26, fol. 31. Hand: Bacon. 1 frame.

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Volume Thirty-five cont., Miscellaneous

- 0234 F 182-3. "Notes extracted out of the Florentine Booke." Hand: Bacon [?]. 2 frames.
 0236 F 184. List of chapters for *Experimenta et Observationes Physicae*, vol. 2. Hand: Greg. 1 frame.
 0237 F 185-6. Latin lists of chapter titles to *General History of Air*. Hand: Bacon. 2 frames.
 0239 F 187. List of Boyle's unpublished writings, 3 July 1691. Hand: Bacon. 1 frame.
 (188 blank except for endorsement).
 0240 F 189. "The order of my severall treatises"; cf. BP 8, fol. 64v, etc. Hand: E. 1 frame.
 0241 F 190-1. Introductory note and index of chapters to "Paralipomena" (two copies). Hand: Bacon. 2 frames.
 0243 F 192-3. Inventory of Boyle's papers. Hand: Bacon. 2 frames.
 0245 F 194. Advertisement concerning Boyle's inability to receive visitors. Hand: Bacon. 1 frame.
 0246 F 195-200. Copies of letters to Oldenburg and others about Boyle's writings: cf. *Oldenburg*, iii. 145-6, iv. 98-9. Hand: Bacon. 6 frames.
 0252 F 201. Engraved plate of sundial, signed "Johannes Marke," London, 1667. 2 frames.
 0254 F 202. "The Requisites of a Good [and Excellent] Hypothesis" published by Westfall in *Ann. Sci.*, 12 (1956), 116-7, and by M. A. Stewart in *Selected Philosophical Papers of Robert Boyle* (Manchester, 1979), 119. Hand: Greg. 1 frame.
 0255 F 203. Duplicate of fol. 194. Hand: Bacon. 1 frame.
 0256 F 204. Observation on gold found in rivers in Cochin, China. Hand: Bacon. 1 frame.
 0257 F 205-8. Latin rules, etc., for a proposed society. Scribal italic. 3 frames.
 0260 F 209. Introductory note to medical work. Hand: Bacon. 1 frame.
 0261 F 210-12. Latin ode by Robert Codrington dedicated to Boyle. Holograph [?]. 2 frames.
 0263 F 213v. List of chapters of "Paralipomena": cf. fols. 171, 190-1. Hand: Bacon. 1 frame.
 0264 F 214. Introductory note to "Paralipomena," partly overlapping with that on fols. 190-1. Hand: Bacon. 1 frame.
 0265 F 215-9. Engraved plates, mainly by Ger[ard] Vandergucht (early eighteenth-century), but including reversed version of fol. 201 (fol. 219). 6 frames.
 0271 F 220-3. Printed Latin treatise dealing with apocalyptic speculation; paginated 1-8, but incomplete at end. 5 frames.

0276

Volume Thirty-six, Miscellaneous

(Folio-size volume; foliated; 209 folios)

- 0277 F 1-2. Duplicates of BP 35, fols. 194, 203. Hand: Bacon. 2 frames.
 0279 F 3-5. Duplicate of BP 35, fols. 214 (points 1-6), 190-1 and 213v. Hand: Bacon. 3 frames.
 0282 F 6. Explanation of Boyle's reasons for writing loose sheets instead of continuous treatises, printed in *Works*, i. cxxv-vi. Hand: Uncertain. 1 frame.
 0283 F 7-8. Papers concerning dispute about proprietorship of medical experiments involving "Mr H.," "Monsieur L.S.," and the author. Hand: Bacon. 2 frames.
 0285 F 9. Paper concerning plagiarism. Hand: Bacon. 2 frames.
 (10 blank except for endorsement).
 0287 F 11. Note concerning specimen of "Design'd Processes." Hand: Bacon. 1 frame.
 0288 F 12. Introduction to medical work, overlapping with BP 35, fol. 209. Hand: Bacon. 1 frame.
 0289 F 13. "The Titles of the Latter Part of the Diffident Naturalist." Hand: G. 1 frame.
 0290 F 14. Introductory note to "Paralipomena." Hand: Smith. 1 frame.

Volume Frame No.	Folio Frame No.	
0291	F 15.	Further paper on plagiarism. Hand: Bacon. 1 frame.
0292	F 16.	Introductory note to table giving true/feigned names of sources of recipes. Hand: Bacon. 1 frame.
0293	F 17 (18 blank except for endorsement).	Note concerning loss of author's writings since May 1688, printed in <i>Works</i> , i. cxxv. Hand: Bacon. 1 frame.
0294	F 19.	"A Scheme or Method of the Experiments & Observationes Physicae." Hand: Greg. 1 frame.
0295	F 20–1.	List of papers left with Mrs. Dury, esp. concerning lands, etc.; late 1650s [?]. Hand: Unknown. 2 frames.
0297	F 22–5.	Introductory/concluding material to treatises by Boyle and notes concerning scientific phenomena. Hand: Bacon. 4 frames.
0301	F 26–7.	Mathematical papers. Hand: Unknown. 2 frames.
0303	F 28.	List of works by Dr. Muller. Hand: Unknown. 1 frame.
0304	F 29.	List of scientific phenomena to remember. Hands: Bacon, Boyle. 1 frame.
0305	F 30.	Introductory material concerning use and limits of sense, experience, reason, and authority in natural philosophy. Hand: Bacon. 1 frame.
0306	F 31.	Introductory note concerning work by Boyle. Hand: Smith. 1 frame.
0307	F 32–5.	Catalogue of Boyle's published works to 1686. Hand: Bacon. 4 frames.
0311	F 36.	Duplicate of BP 35, fols. 190–1. Hand: Bacon. 1 frame.
0312	F 37.	Duplicate of fol. 31. Hand: Bacon. 1 frame.
0313	F 38–41.	Documents relating to an agreement concerning the smelting of lead between Robert Thoroughgood, Lord Grandison, and Samuel Hutchinson, the latter acting on behalf of Boyle, 1677. Hands: Warr, Uncertain. 4 frames.
0317	F 42–4.	Duplicate of BP 35, fols. 210–12. Holograph [?]. 3 frames.
0320	F 45–9.	Brief notes relevant to different discourses, which are named in the margin beside them, including "Exc. of Chr.," "C.V.," "Conf.," "V for G," and "Advices." Hand: B. 5 frames.
0325	F 50.	"Memorandums in order to prepare for the new Edition of Mr. Boyle's Works," 16 July 1741. Hand: Birch. 1 frame.
0326	F 51.	Printed <i>Advertisement</i> concerning the loss of Boyle's writings, May 1688: cf. <i>Works</i> , i. ccxxii–iv. 1 frame.
0327	F 52–3.	"Things To be Done": list of experiments. Dates of 6 August, 1 January (no year). Hands: F, Uncertain. 2 frames.
0329	F 54.	Miscellaneous notes and calculations. Hand: Uncertain. 1 frame.
0330	F 55.	List of things to be remembered concerning Boyle's papers. Hand: Bacon. 1 frame.
0331	F 56.	List of chapters of "Paralipomena": cf. BP 35, fol. 171. Hand uncertain. 1 frame.
0332	F 57–8.	Notes on contents of <i>Christian Virtuoso</i> , part 2, and other works, together with copy of verse summaries of "Requisites of a Good Hypothesis" (printed in Hall, <i>Boyle on Natural Philosophy</i> , 135) and other arguments, etc. Hand: Bacon. 2 frames.
0334	F 59–60.	"A Catalogue of the Honourable Mr. Boyles writings unpublish'd taken the 7th of July 1684." Hand: Bacon. 2 frames.
0336	F 61.	List of contents of two boxes, A and B. Hand: Boyle. 1 frame.
0337	F 62–6.	Lists of contents and introductory material to works by Boyle, including "Of Publicke-spiritedness" (fol. 62), "Paralipomena" (fol. 63), an unnamed tract (fol. 64) and <i>Usefulness of Experimental Natural Philosophy</i> (fol. 65v–6). Hands: early Boyle, Bacon, B, D [?]. 3 frames.

Volume Folio
Frame No. Frame No.

Volume Thirty-six cont., Miscellaneous

- 0340 F 67 Catalogue of Latin versions of Boyle's books. Hand: Uncertain. 1 frame.
(68 blank except for endorsement).
- 0341 F 69. List of writings by Boyle dated "Decem: the 30." Hand: Bacon. 1 frame.
- 0342 F 70. Lists of "Philosophicall Essays," "Experiments unpublished," etc. Hand: early Boyle. 1 frame.
- 0343 F 71. "Tituli Ad Naturalem atque Experimentalem Aeris Historiam." Hand: Bacon. 1 frame.
- 0344 F 72. Lists of Boyle's unpublished writings, 3 July 1691. Hand: Bacon. 1 frame.
- 0345 F 73. Inventory of Boyle's papers, 7 January 1690/91. Hand: Bacon. 1 frame.
- 0346 F 74. "The Order of my severall Treatises" (cf. BP 8, fol. 64v, etc). Hand: Uncertain. 1 frame.
- 0347 F 75-6. Catalogue of Boyle's unpublished writings, 7 July 1684. Hand: Bacon. 2 frames.
- 0349 F 77v-8. List of desiderata for natural philosophy. Hand: Bacon. 1 frame.
- 0350 F 79. Catalogue of mineral specimens intended for the Royal Society, dated 24 December 1667, probably by Samuel Colepresse: cf. Birch, *History*, ii. 241. Hand: Unknown, holograph [?]. 1 frame.
- 0351 F 80. List of headings concerning copper. Hand: Bacon. 1 frame.
- 0352 F 81-2. Lists of natural/scientific phenomena, observations, experiments, etc. Hand: G. 1 frame.
- 0353 F 83. List of particulars to be dealt with in an essay. Hand: G. 1 frame.
- 0354 F 84. List of contents of part 2 of *Experimenta et Observationes Physicae*. Hand: Greg. 1 frame.
- 0355 F 85-6. Lists of essays and treatises by Boyle, and other notes (with a key to the abbreviations used); fol. 86 published in Harwood, *Essays and Ethics*, xix (cf. also Maddison, *Life*, 94). Hand: early Boyle. 2 frames.
- 0357 F 87. Two pasted-down notes, one listing experimental and other writings, the other things to remember concerning "The will" and other matters. Hands: Greg, Boyle. 1 frame.
- 0358 F 88-9 (90 blank except for endorsement). Lists by Oldenburg of papers "mentioned to me by the Honble Robert Boyle, March 26 1677." Holograph. 2 frames.
- 0360 F 91. Further version of list on fol. 74, with variants and additions. Hands: Uncertain, E. 1 frame.
- 0361 F 92. Duplicate of fol. 63. Hand: Bacon. 1 frame.
- 0362 F 93v. Copy of fol. 64. Hand: B. 1 frame.
- 0363 F 94. List of titles concerning history of cold. Hand: B [?]. 1 frame.
- 0364 F 95-6. Lists of chapters of *Experimenta et Observationes Physicae*. Hands: Greg, Bacon. 2 frames.
- 0366 F 97. Numbered list of hydrostatical and other phenomena. Hand: A [?]. 1 frame.
- 0367 F 98-9. Two identical lists of topics relating to light. Hand: Bacon. 1 frame.
- 0368 F 100. List of topics for/contents of nine books. Hand: Bacon. 1 frame.
- 0369 F 101. "An Idea for the advancement of Experimental Philosophy." Hand: Bacon. 1 frame.
- 0370 F 102-11. Numbered list of experiments/recipes contained elsewhere in the Boyle Papers: nos. 501-624, 1084-1486, 1706-2209, 2301-2500. Hand: Bacon. 10 frames.
- 0380 F 112-3. Two identical lists of contents of "Paralipomena," similar to fol. 63 but slightly amended. Hand: Bacon. 2 frames.
- 0382 F 114. Further copy of "The Order of my severall Treatises": cf. fol. 74, etc. Hand: E. 1 frame.

Volume Frame No.	Folio Frame No.	
0383	F 115.	Note concerning papers "sealed up in this (Paper) case." Hand: Bacon. 1 frame.
0384	F 116.	Notes relating to drafting of will. Hand: Warr. 1 frame.
0385	F 117–20.	Two copies of list of writings duplicating that on fols. 75–6. Hand: Bacon. 4 frames.
0389	F 121.	List of contents of five boxes, dated 2 January (no year). Hand: Bacon. 1 frame.
0390	F 122–3.	Inventory of Boyle's papers, dated 17 September 1691. Hand: Bacon. 2 frames.
0392	F 124–5.	Notes by Miles on <i>Christian Virtuoso</i> and other works by Boyle. 2 frames.
0394	F 126–7.	Comments in French on a draft French translation, evidently of one of Boyle's works, perhaps <i>Reconcilableness of Reason and Religion</i> . Hand: Unknown. 2 frames.
0396	F 128–9.	Miles's queries concerning Wotton's "Sketch" of Boyle's early life, and related papers. 2 frames.
0398	F 130.	Note by Miles concerning his work on MSS relating to <i>Christian Virtuoso</i> , 26 November 1742. 1 frame.
0399	F 131–2.	Fragment of alphabetical list of Boyle letters sent to Birch for printing, 2 November 1742 ("A" only): cf. fol. 198. Hand: Miles. 2 frames.
0401	F 133–4.	List of Hooke-Boyle letters and their content, on back of cover of letter to Thomas Edlin. Hand: Miles. 2 frames.
0403	F 135.	Calculations concerning length of Boyle letters, written on incomplete letter concerning vacancies in English church at Amsterdam. Hand: Miles. 1 frame.
0404	F 136.	Notes on contents of "Tract about Atheism". Hand: Miles. 1 frame.
0405	F 137–40.	Various notes by Miles concerning length in type of Boyle texts, and notes on contents of "Ethical Elements," Books I–III. 4 frames.
0409	F 141–3.	Numbered list by Miles of Boyle manuscripts: pp. 3–8 of a series, of which fols. 163–4 make up pp. 1–2 and 9–10 (fol. 141 is bound in back to front). 3 frames.
0412	F 144–5.	Lists of Boyle letters by Miles. 3 frames.
0415	F 146.	Notes by Miles, evidently inventorying part of Boyle papers. 2 frames.
0417	F 147–9.	Memoranda by Miles concerning Boyle's papers. 3 frames.
0420	F 150–2.	Lists of letters by Beale and Boyle. Hand: Miles. 3 frames.
0423	F 153–4.	Notes by Miles concerning the content of what is now BL 7. 2 frames.
0425	F 155.	Draft of Miles' list of Boyle's unpublished writings, <i>Works</i> , i. ccxxxvi–viii. 1 frame.
0426	F 156.	List of numbers of letters from different correspondents sent to press. Hand: Miles. 1 frame.
0427	F 157–60.	Inventory of Boyle manuscripts by Miles, divided into categories denoted by letters. 3 frames.
0430	F 161–2.	Further lists of letters by Miles, belonging with fols. 144–5. 3 frames.
0433	F 163.	List of various Boyle MSS and their length, dated 10 February 1742/43. Hand: Miles. 1 frame. (Cf. above, fols. 141–3).
0434	F 164.	Scraps of paper concerning length of works in type, and a list of items nos. 222–76. Hand: Miles. 1 frame.
0435	F 165.	List of published works by Boyle in unknown hand, with notes by Miles. 1 frame.
0436	F 166.	List of various manuscripts, "Not numberd." Hand: Miles. 1 frame.
0437	F 167–9.	Memoranda and queries by Miles. 3 frames.
0440	F 170.	Incomplete list of unpublished MSS by Boyle. Hand: Miles. 1 frame.
0441	F 171.	Summary version of list on fol. 146, with additions at end. Hand: Miles. 1 frame.
0442	F 172.	List of letters belonging with those on fols. 150–2. Hand: Miles. 1 frame.
0443	F 173.	List by Miles of issues of <i>Miscellanea Curiosa</i> , perhaps to assess completeness of a set. Cf. fol. 194. 1 frame.
0444	F 174–5.	Notes by Miles of contents of numbered issues, perhaps of a dissenting journal. 1 frame.
0445	F 176.	Draft letter by Miles; list of books on verso. 1 frame.

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Volume Thirty-six cont., Miscellaneous

- 0446 F 177. List of "the subjects of the Tracts that I have yet met with among my Papers, to which other Titles may be added as the Papers belonging to them come to hand," and experiments, dated 19 November 1667. Hands: E, Uncertain. 1 frame.
- 0447 F 178. Three pasted-down notes: (i) list by Miles of material now in BL 7; (2) memorandum by Oldenburg, printed in *Oldenburg*, viii. xxvi; (3) memoranda by Boyle relating to his will, etc. 1 frame.
- 0448 F 179. Further memoranda by Miles relating to his work on Boyle (writing practice on verso). 1 frame.
- 0449 F 180–9. Inventory of Boyle letters in chronological order, with separate groups at end and name index, evidently by William Wotton (fols. 180–1 are misbound and should follow fol. 185). 11 frames.
- 0460 F 190. List of books divided into numbered sections in Miles's hand. Cf. fol. 206. 1 frame.
- 0461 F 191–2. Lists by Miles of letters grouped by sender in order of date, with other memoranda. 2 frames.
- 0463 F 193. Jottings by Miles. 1 frame.
- 0464 F 194. Notes evidently linked to those on fol. 173; on verso, notes and references by Miles, perhaps for sermons. 1 frame.
- 0465 F 195. List of numbers of dwelling houses and inhabitants. Hand: Miles. 1 frame.
- 0466 F 196. List of "Bound books" by Miles: twenty-three items, including both MSS and printed books (writing practice on verso). 1 frame.
- 0467 F 197. List of Oldenburg letters, with notes on content. Hand: Miles. 1 frame.
- 0468 F 198. "Alphabet[ical] List of L[ette]rs Sent to the press taken Nov[embe]r 2 1742 & Sent to Mr. Birch," with additions dated 18 November 1742. Hand: Miles. 1 frame.
- 0469 F 199–200. List of books, including sermons and funeral sermons. Hand: Miles. 2 frames.
- 0471 F 201. Cover sheet with memoranda by Miles. 1 frame.
- 0472 F 202. Alphabetical list of topics with numbers of papers on each. Hand: Miles. 1 frame.
- 0473 F 203–4. Scraps of paper comprising miscellaneous notes by Miles, including "Motives to love G[od]" and Thomson's *Seasons*, together with list of biographical papers, etc. 4 frames.
- 0477 F 205. Draft letter by Miles; references and calculations on verso. 1 frame.
- 0478 F 206. Further numbered lists of sermons, etc., related to fols. 190, 199–200. Hand: Miles. 1 frame.
- 0479 F 207. Notes by Miles, including demographic data, note on William Hook, and list of references. 1 frame.
- 0480 F 208–9. "Theses Mathematico-Physicae de Terra Joannis Placentini. Lesnensis Mathem: Profes: publ: Ordin: Francofurti": Latin mathematical paper, comprising thirty theses. Hand: Unknown. 3 frames.

0483

Volume Thirty-seven, Miscellaneous

(Folio-size volume; foliated; 216 folios)

- 0484 F 1–24. Anti-Catholic tract (opening missing), dated 26 March 1592. Secretary hand. 7 frames.
- 0531 F 25v–74. "Le Barche da Padova": Italian treatise; incomplete at end. Apparently unpublished [not the same text as *La Barca da Padova* (1689)]. Hand: Unknown. 69 frames.
- 0600 F 75–7. "Extrait d'un livre intitulé Sepher Raziel": two copies (fols. 75–6, 77) of text attacking a book on magic for impiety, the second incomplete. Hand: Unknown. 3 frames.

Volume Frame No.	Folio Frame No.	
0603	F 78–95.	“Interrogatoire de Michel Magicien”: account of interrogation of magician at Moulins by French officials, 19 June 1623. Hand: Unknown. 18 frames.
0621	F 96–102.	Trial of Florence Newton for witchcraft at Cork assizes, 11 September 1665. Hand: Unknown. 7 frames.
0628	F 103.	Extract from Sir James Melville’s <i>Memoirs</i> , pp. 194–5, concerning the North Berwick witch trial. Hand: Bacon. 1 frame.
0629	F 104	Note on the composition of “dissolving eagles” and “celestial eagles.” Hand: Uncertain. 1 frame.
0630	F 105.	Diagrams of lines of latitude, with Latin notes. Hand: Uncertain. 1 frame.
0631	F 106–8.	Miscellaneous notes, including Kircher’s <i>Mundus Subterraneus</i> (fol. 106) and “The Nature & Uses of the double writing Instruments” (fol. 108). Hand: Uncertain. 3 frames.
0634	F 109–13.	Notes, some pasted down, on topics such as final causes, spirits, discernment of truths, infinity, the terraqueous globe, the design argument, etc. Hands: Bacon, Greg, Smith, G. 5 frames.
0639	F 114.	“A briefe Definition, Or rather description of the Plague with its Manner of Cure.” Hand: Uncertain. 1 frame.
0640	F 115–6.	Description of damage caused by a hurricane-force wind near Palma Nova, taken from letters from Venice. Hand: Warr. 2 frames.
0642	F 117.	Account of unpublished writings by Helmont. Hand: Bacon. 1 frame.
0643	F 118.	Note on vast extent of Blany family. Hand: Bacon. 1 frame.
0644	F 119.	Account of soft wood found in pit in the Netherlands. Hand: Bacon. 1 frame.
0645	F 120.	Account of how in 1665 a friend of Boyle’s, Sir W. C., apparently met Sir John Trelawney near Exeter when he said later that he was in Plymouth all the time. Hands: N, with endorsement by A. 1 frame.
0646	F 121.	Requisites of good and excellent hypotheses: published in Hall, <i>Boyle on Natural Philosophy</i> , 134–5. Hand: Bacon. 1 frame.
0647	F 122–7.	Copy of Richard Boyle’s “True Remembrances,” evidently from a copy by Lady Ranelagh (fol. 127) (incomplete): cf. <i>Works</i> , i. vii–xi. Hand: Miles. 6 frames.
0653	F 128.	Sentences/phrases from letters to Boyle, perhaps for purposes of identification. Hand: Miles. 1 frame.
0654	F 129–33.	“The Duty of a Mother’s being a nurse, asserted.” Copy by Miles of fols. 196–203, below. 5 frames.
0659	F 134–5.	[Ralph Austen] “Certain Queries humbly propounded to the honourable Royall Societie”: proposals to encourage afforestation, planting of fruit-trees, employment of the poor, settlement of waste lands, etc. Holograph [?]. 2 frames.
0661	F 136–7.	Appeal for a friend to correct false impressions that an anonymous doctor may have given of author’s attitude to physicians. Hands: Bacon, Greg. 2 frames.
0663	F 138 (139 blank).	Incomplete essay concerning salt. Hand: Unknown. 2 frames.
0665	F 140–1.	Note on native ways of using wood to catch fish in America. Hand: F. 2 frames.
0667	F 142–3.	“For Kitchin Gardens,” by John Beale, dated 7 December 1663. Holograph. 2 frames.
0669	F 144–9.	“For Fidelia”: letter signed C.K., dated 2 December 1647 (fol. 149) (see also fols. 154–5). Hand: early Boyle. 6 frames.
0675	F 150–3.	“Against Confidence”: letter addressed to “Madam” about views of “Cleanthes” (incomplete: see fols. 158–9). Hand: early Boyle. 4 frames.
0679	F 154–5.	Copy of last part of letter to Fidelia, above, fols. 144–9. Hand: early Boyle. 2 frames.
0681	F 156.	Letter in commendation of a treatise sent by the addressee on the world’s vanities, and list of prayers. Late 1640s [?]. Hand: early Boyle. 1 frame.
0682	F 157.	Part of letter addressed to “Deare Jacke.” Hand: early Boyle. 1 frame.

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Volume Thirty-seven cont., Miscellaneous

- 0683 F 158–9. Completion of letter “Against Confidence,” fols. 150–3, above. Hand: early Boyle. 1 frame.
- 0684 F 160–3. “The Gentleman”: paper on attributes of gentility. Hand: early Boyle. 3 frames.
- 0687 F 164–5. “To my Mistress (when I have one...), presenting her the Amorous Controversys”; letter dated Bristol, 2 May 1645. Hand: early Boyle. 2 frames.
- 0689 F 166–7. Text headed “Scaping into his Study, out of a Crowd of extraordinary vaine Company of both Sexes,” and beginning: “Come deare Philosophy...”; apparently incomplete. Hand: early Boyle. 1 frame.
- 0690 F 168. “Of Desseins & Undertakings.” Hand: early Boyle. 1 frame.
- 0691 F 169. “A Mere fine Gentleman.” Hand: early Boyle. 1 frame.
- 0692 F 170–84. “An Account of Philaretus during his Minority,” printed in *Works*, i. xii–xxvi; Maddison, *Life*, 2–45. Hand: early Boyle. 15 frames.
- 0707 F 185. Two brief reflections on events, one dated “Oct the 5”; part of page torn away. Hand: early Boyle. 1 frame.
- 0708 F 186–93. Letter concerning ethics of treatment of animals, printed by Malcolm Oster in *BJHS*, 22 (1989), 173–9. Hand: early Boyle. 8 frames.
- 0716 F 194–5. Letter from Boyle to Hartlib, 14 September 1655; unpublished. Hand: Uncertain. 1 frame.
- 0717 F 196–202 (203 blank except for endorsement). “The Duty of a Mother’s being a Nurse, asserted”; letter to “Madam” dated “August the 15th [16]47.” Hand: early Boyle. 8 frames.
- 0725 F 204–8. “Against Painting”; letter dated “February the 12th, 1647.” Hand: early Boyle. 5 frames.
- 0730 F 209–14. Philosophical notes and extracts, including summary of the content of the various books of Grotius’s *De Veritate* (fols. 210–14). Hand: mainly E. 5 frames.
- 0735 F 215–6. Mathematical calculations. Hand: Unknown. 2 frames.

0737

Volume Thirty-eight, Miscellaneous

(Folio-size volume; foliated; 162 folios)

- 0738 F 1–5. “Enquirys about Mines”: cf. *Phil. Trans.*, 1 (1666), 330–43; misbound: fols. 4–5 should precede fols. 2–3. Hand: F. 5 frames.
- 0743 F 6–10. Notes and sections of text on natural philosophy, including pp. 131–4 of the first part of a French discourse on attributes of corporeality (fols. 7–8). Hands: Bacon, Uncertain, Greg. 5 frames.
- 0748 F 11–14. Sections of text on medical topics, including influence of medical theory on practice. Hands: Greg, Uncertain, Slare [?]. 4 frames.
- 0752 F 15. Geographical observations. Hand: Uncertain. 1 frame.
- 0753 F 16–7. Observations concerning a refrigerated/heated loadstone. Hand: A. 2 frames.
- 0755 F 18. Scientific notes. Hand: Greg. 1 frame.
- 0756 F 19. Latin medical notes. Hand: Oldenburg. 1 frame.
- 0757 F 20–1. Pasted-up notes: weights of metal used in coining; Italian recipe; and first section of a list of contents (*Usefulness of Experimental Natural Philosophy*). Hands: Boyle [?], Uncertain, E. 2 frames.
- 0759 F 22. Notes on human imperfection and divine perfection and things to remember in various writings. Hands: Smith, G. 1 frame.
- 0760 F 23. Passage of text concerning diseases and remedies. Hand: Boyle. 1 frame.
- 0761 F 24. Latin extracts from Galen and Aristotle on medical subjects. Hand: Greg. 1 frame.
- 0762 F 25. Brief notes of things to remember in various treatises (cf. fol. 22), dated “Aprill the 25th.” Hand: G. 1 frame.

Volume Frame No.	Folio Frame No.	
0763	F 26.	Part of discourse on extinguishing fire; on verso, note connected with publication. Hand: D [?]. 1 frame.
0764	F 27–30.	Pasted-up notes, dealing with scholastic neglect of experience, cures using nephritic stones, usefulness of mathematics (cf. <i>Works</i> , iii. 428–9), reintegration of bodies, etc. Hands: 1650s, E. 5 frames.
0769	F 31.	Passage of text on gems and causes of shining “salino-sulphureous” particles. Hand: Greg. 1 frame.
0770	F 32.	Draft of scholium to paradox 6 of <i>Hydrostatical Paradoxes</i> , <i>Works</i> , ii. 763–4. Hand: E. 1 frame.
0771	F 33.	Part of treatise describing various phenomena relevant to atmosphere. Hand: Slare. 1 frame.
0772	F 34.	Introductory passage to collection of “Paralipomina” [sic]. Hand: Smith. 1 frame.
0773	F 35.	Diagram of triangle; recipe on verso. Hand: Uncertain. 1 frame.
0774	F 36.	Section of text as printed in “Salubrity of the Air,” <i>Works</i> , v. 59–60. Hand: Uncertain. 1 frame.
0775	F 37–9.	“The Requisites of a Good Hypothesis”: section of dialogue. Hands: G, F. 3 frames.
0778	F 40–1.	Part of treatise dealing with bodily afflictions. Hand: Slare. 2 frames.
0780	F 42.	Notes of points to remember concerning various treatises; dated “June 1.” Hand: Slare. 2 frames.
0781	F 43–6.	Section of text on how men can make use of natural phenomena. Hand: Smith. 2 frames.
0783	F 47.	Account of experiment about transmission of colorless ink through wetted paper. Hand: Slare. 1 frame.
0784	F 48.	Example of celerity of corpuscles. Hand: Slare. 1 frame.
0785	F 49–50.	Experiment illustrating “the forme of the Ayres springe.” Hand: J. 3 frames.
0788	F 51.	Experiment concerning heat. Hand: Slare [?], with introduction by Boyle. 1 frame.
0789	F 52v–3.	Notes on experiments on gold and silver and section of text concerning loadstone. Hand: Warr. 2 frames.
0791	F 54–5.	Section of text concerning effect of heat and moisture on growth/vegetation. Hand: 1650s. 2 frames.
0793	F 56.	Latin account of chemical experiment. Hand: Slare. 1 frame.
0794	F 57–8.	Section of discourse on liquors. Hand: Uncertain. 1 frame.
0795	F 59–60.	Section of text concerning the circulation of the blood, and an experiment to illustrate it. Hand: Warr. 2 frames.
0797	F 61–2.	Part of account of two experiments concerning liquors in pipes. Hand: E. 2 frames.
0799	F 63.	Comments on and experiments to test hydrostatical experiment by Stevin. Hand: E. 1 frame.
0800	F 64–6.	Draft material for <i>Discourse of Things above Reason</i> (<i>Works</i> , iv. 406–68). Hands: Slare, Smith. 3 frames.
0803	F 67.	Part of experiment on motion of air; nature of bellmetal. Hand: Uncertain. 1 frame.
0804	F 68–70.	Section of text concerning the eye, perhaps linked to “Vitiated Sight.” Hand: Bacon. 3 frames.
0807	F 71–2.	Section of text of <i>Historical Account of Degredation of Gold</i> , <i>Works</i> , iv. 374. Hand: Boyle. 2 frames.
0809	F 73.	Two lists of scientific phenomena. Hand: Slare. 1 frame.
0810	F 74.	Section of text concerning experiments on condensation of air and effect of cold. Hand: D [?]. 1 frame.

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Frame No. Frame No.

Volume Thirty-eight cont., Miscellaneous

- 0811 F 75. Part of a defense speech, apparently from a trial; evidently by "E.[?] G.," a religious dissident. Hand: Warr. 1 frame.
- 0812 F 76. On making of lasting ink for inscriptions. Hand: 1650s. 1 frame.
- 0813 F 77–8. Use of mathematics to naturalist and artillery expert: part of section 6 of "Usefulness of Mathematics to Natural Philosophy," *Works*, iii. 433–4. Hand: E. 2 frames.
- 0815 F 79. Section of text on feelings of severed limbs. Hand: H. 1 frame.
- 0816 F 80. Introductory material on natural philosophy and rejection of Aristotle (incomplete): printed in Hall, *Boyle on Natural Philosophy*, 177–9. Hand: Uncertain. 1 frame.
- 0817 F 81. Pencil title and notes on experiments with loadstone, etc. Hand: Slare. 1 frame.
- 0818 F 82. Sections of text on substantial forms, etc. Hand: F. 1 frame.
- 0819 F 83–4. Section of text on use of cement to mend glasses, preparation of colors by painters, etc. Hand: 1650s. 2 frames.
- 0821 F 85–6. "Things belonging to the 13 Essay"; draft material for *Usefulness of Experimental Natural Philosophy* [?] Hand: F. 2 frames.
- 0823 F 87–8. Section of text dealing with concretion of liquors. Hand: 1650s. 2 frames.
- 0825 F 89–91. Section of text printed in *Producibleness of Chymical Principles*, *Works*, i. 598–9. Hand: Slare. 3 frames.
- 0828 F 92–3. Notes on observations by travelers. Hand: Slare. 2 frames.
- 0830 F 94. Geographical notes. Hands: Slare, with adds. by Boyle. 1 frame.
- 0831 F 95–6. Material concerning the air and its composition/characteristics, including notes by travelers on this and other subjects. Hands: Various. 2 frames.
- 0833 F 97. Draft material for *Things above Reason* (*Works*, iv. 406–68). Hand: Slare. 1 frame.
- 0834 F 98–101. Text concerning effluvia of celestial bodies, heat of sun, etc. Hand: Slare. 4 frames.
- 0838 F 102–6. Part of paper about the pores and figures of liquors, describing various experiments, etc., interrupted by note accompanying a strange creature, resembling a grasshopper (fol. 104). Hands: Slare, Holograph [?]. 5 frames.
- 0843 F 107–8. Limitations to distillation etc. in determining the nature of vegetables. Hand: Slare. 2 frames.
- 0845 F 109–10. Section of text dealing with the reasons why smooth bodies adhere to each other on contact. Hand: 1650s [?]. 2 frames.
- 0847 F 111–2. Draft of letter, explaining author's attitude toward medicine and contemporary doctors. Hand: Unknown. 2 frames.
- 0849 F 113. Passage for discourse on religion and civil obedience; perhaps related to *Theodora* material, i.e., Christian defense vs. Rome. Hand: Slare. 1 frame.
- 0850 F 114. Part of discourse dealing with noxious effects of the effluvia of "Orpiment"/arsenic. Hand: Uncertain. 1 frame.
- 0851 F 115. Part of discourse on contagiousness and the air. Hand: Slare. 1 frame.
- 0852 F 116. Section of text concerning distillation. Hand: A. 1 frame.
- 0853 F 117–8. Passage concerning experimental demonstrations of color changes in substances. Hands: Boyle, B. 2 frames.
- 0855 F 119. Inadequacy of anatomists' understanding of living organisms. Hand: A[?]. 1 frame.
- 0856 F 120. Queries concerning electrical bodies, completing text in BP 22, fols. 197–9. Hand: F. 1 frame.
- 0857 F 121–2. Passage concerning determination of speed of sound. Hand: E. 2 frames.
- 0859 F 123–4. Section of text concerning gems, as printed in *Works*, iii. 516. Hand: E. 2 frames.
- 0861 F 125. Passage concerning methods of calcining gold. Hand: F. 1 frame.

<i>Volume Frame No.</i>	<i>Folio Frame No.</i>	
	0862 F 126–7.	Passage complaining of inadequacies of existing writings on natural philosophy. Hand: Warr. 2 frames.
	0864 F 128–9.	Section of text on the nature of firm bodies. Hand: Uncertain. 2 frames.
	0866 F 130.	Further fragment concerning celestial effluvia (cf. fols. 98–101). Hand: Slare. 1 frame.
	0867 F 131.	Section of text on motion of parts of fluid bodies, including winds, whirlpools, etc. Hand: B. 1 frame.
	0868 F 132–6.	Magnetical notes, concerning Devonshire loadstones, etc. Hands: G, Slare. 4 frames.
	0872 F 137.	Section of text as to whether amalgam of metals nobler than its constituents, or a hybrid living creature than its ancestors; on verso, an observation of Dr. Boate. Hands: E, Boyle. 2 frames.
	0874 F 138–9.	Section of dialogue dealing with phenomena relating to fire. Hand: Uncertain. 2 frames.
	0876 F 140.	Conclusion of a discourse on liquors. Hand: E. 1 frame.
	0877 F 141–2.	Section of text dealing with nature of the eye. Hand: Boyle. 2 frames.
	0879 F 143–4.	Natural history observations (fungi and barnacles). Hands: A, Warr. 2 frames.
	0881 F 145–8.	Passages retelling observations of natural phenomena, some from ancient and other authors, apparently keyed to an existing text. Hand: D, 1650s. 2 frames.
	0883 F 149–50.	Incomplete passages dealing with burning glasses and with cylinders and other geometrical bodies, etc. Hand: E. 4 frames.
	0887 F 151–2.	Passage concerning composition of pewter and experiment about respiration of viper (cf. <i>Works</i> , iii. 376). Hand: K. 2 frames.
	0889 F 153.	Conclusion of tract about flame. Hand: Slare. 1 frame.
	0890 F 154.	Passage concerning the interpretation of others' experiments. Hand: Bacon. 1 frame.
	0891 F 155–6.	Passage dealing with the use of ancient writings to naturalists (as in "Usefulness of Mathematics to Natural Philosophy," <i>Works</i> , iii. 429) and with naturalists' disputes about the generation of life. Hand: E. 2 frames.
	0893 F 157.	Introductory passage concerning chemical process. Hand: Bacon. 1 frame.
	0894 F 158–9.	Section of text on the elixir, evidently linked to "Dialogue on Transmutation of Metals." Hand: Bacon. 2 frames.
	0896 F 160.	Part of "Dialogue on Transmutation of Metals." Hands: Bacon, Smith. 5 frames.
	0891 F 161.	Passage concerning bodies that seem to be both acidic and alkaline. Hand: Boyle. 1 frame.
	0892 F 162.	Cover sheet. Hand: Boyle [?]. 7 frames.

Reel 13

0001 Volume Thirty-nine, Miscellaneous (Folio-size volume; foliated; 228 folios)

0002	F 1–48.	"Notes taken out of Purchas's Pilgrims," concerning various natural and ethnographic phenomena. Hands: Bacon, with title and occasional additions by Greg. 46 frames.
0048	F 49–51.	Notes on Hudson's Bay, from conversation with an employee of the Hudson's Bay Company. Hand: Bacon. 3 frames.
0051	F 52.	Incomplete section of text, including reference to Tavernier's <i>Voyages</i> . Hand: Bacon. 1 frame.
0052	F 53–73.	"Notes taken out of Du Tertres <i>Hist[oire] Nat[urelle] des Antilles</i> ." Hand: Bacon, title by Greg. 21 frames.

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Frame No. Frame No.

Volume Thirty-nine cont., Miscellaneous

- 0073 F 74. "Notes taken out of a Relation of the French Bishop that came lately from India, touching the worship and Religion of the Kanites." Hand: Bacon. 1 frame.
- 0074 F 75. "An Extract out of the Relation made by Paracelsus in the I. [sic] Book of his Archidoxis." Hand: Bacon. 1 frame.
- 0075 F 76-7. Notes from informant on Siam. Hands: Boyle, Greg (with addition by Bacon). 2 frames.
- 0077 F 78-80. Latin extracts from "Ephmerid: German: Dec: Secundae: Annus Primus." Hand: Bacon. 3 frames.
- 0080 F 81-94. Further notes from travel books; subjects include pearl-fishing (fols. 81-2); Macacar (fols. 83-4), Tonkin and Laos (fol. 85), Sumatra (fols. 86-7), Africa (ff. 89-91), and Holy Land (fols. 92-4). Hands: Bacon, Uncertain, and Greg. 15 frames.
- 0095 F 95-181. "An Account of Virginia" [by John Clayton]. Various sections of text, relating to others in BP 44: cf. pencil notes by R. P. Stearns at fols. 105, 107 and 140, and see also R. P. Stearns, *Science in the British Colonies of America* (Urbana, 1970), 188-91. Hand evidently partly holograph, partly scribal. The material can be divided as follows:
Fols. 95-105 form a single text, which goes with and ends at fol. 140. This then refers to the 1671 text now in BP 44, fols. 117-26, after which commences an untitled commentary on this (ibid., fols. 127-32). Fols. 107-22 of the present volume follow on from BP 44, fol. 132, with fols. 141-180 following fol. 122. After fol. 180 the sequence is apparently: fols. 106, 123-5, 127-39, and 181. Fol. 126 is an unrelated item, a picture of Clayton's speaking trumpet [on this and Boyle's interest in it, cf. E. and D. S. Berkeley, eds., *The Revd. John Clayton* (Charlottesville, 1965), xxxvi]. 87 frames.
- 0182 F 182-6. Extracts from letters from Virginia, some signed by P. Smith; various dates in 1686 and 1687. Hands: Uncertain, Bacon, Greg. 6 frames.
- 0188 F 187-200. Papers relating to imports and exports of various oriental countries, including Japan, China, Ceylon, Batavia. Hands: G [?], Bacon. 14 frames.
- 0202 F 201. Extract concerning fruit from "The History of the Caribby Islands." Scribal hand. 1 frame.
- 0203 F 202-12. Papers relating to Committee of Foreign Plantations, including copy of Charles II's official instructions to the Committee (fols. 202-4); proposal about improving trade in plantations (fols. 206-11); copy of order of the committee appointing subcommittee to consider how to encourage emigration (30 June 1672) (fol. 212). Scribal hands. 10 frames.
- 0213 F 213. Note on the antipathy toward the English merchants at Leghorn of Count Bardi, secretary to the Grand Duke of Tuscany's Council of Trade. Hand: Unknown. 1 frame.
- 0214 F 214-5. "A Relation of the Governor of Canada his march with 600 volunteers into the Territoryes of his Royall Highness the Duke of Yorke in America," by Colonel Richard Nicolls, 1666. Hand: Unknown. 2 frames.
- 0216 F 216-7. Notes on conversation with Lord Tarbat concerning cases of second sight in Scotland, dated 3 October 1678: cf. Tarbat's subsequent letter giving further information in J. R. Tanner, ed., *Private Correspondence and Miscellaneous Papers of Samuel Pepys* (London, 1926), i. 219-25. Hand: A. 2 frames.
- 0218 F 218-22. "A Description of the Diamond Mines" in the East Indies, "sent (as I suppose) by Mr Langham" (Wotton's endorsement): cf. BP 20, pp. 405f. Hand: Unknown. 5 frames.

Volume Folio
Frame No. Frame No.

- 0223 F 223 Notes on measurements, weights, and coins in East Indies. Hand: Unknown.
 (224 blank 1 frame.
 except for
 endorsement).
- 0224 F 225–8. Journal of a voyage to and from India by Will. Whitethorne, illustrated with
 profiles of islands, dated April 1669 to August 1670. Hand: E. 5 frames.

0029 **Volume Forty, Miscellaneous**
(Folio-size volume; foliated; 153 folios)

- 0230 F 1 (2 blank). Certificate of Viscount Ranelagh's admission as Gent. of Privy Chamber; signed
 by Earl of Manchester, 24 Oct 1670, with endorsement dated February 1670/71.
 1 frame.
- 0231 F 3. Application for admission to Chelsea Hospital on behalf of former royal
 trumpeter John Jones, vouched for by Ranelagh; post-1685. Hand: Unknown.
 1 frame.
- 0231 F 4. Draft for clause to provide money for Royal Society in Irish Act of Settlement.
 Hand: Sir Robert Moray. 1 frame.
- 0232 F 6 Protestation by peers concerning Clarendon's committal by Commons,
 (5 missing). 20 November 1667. Hand: Unknown. 1 frame.
- 0233 F 7–8. Account of parliamentary proceedings against Clarendon. Hand: Uncertain.
 2 frames.
- 0235 F 9. Petition by members of the Corporation for Propagating the Gospel for Attorney
 General to intervene in the case of Thomas Beddingfield and his father. Hand:
 Unknown. 1 frame.
- 0236 F 10–11. Petition by inhabitants of Stalbridge against their immoral rector, Samuel Rich.
 Hand: Unknown. 1 frame.
- 0237 F 12 Petition by East India Company, objecting to illegal interlopers damaging trade.
 (13 blank Hand: Unknown. 2 frames.
 except for
 endorsement).
- 0239 F 14–15. Copy of official account of parliamentary proceedings, November 1680. Hand:
 Unknown. 1 frame.
- 0240 F 16–46. Report to the Governor and Committee of the Hudson's Bay Company by John
 Nixon, 1682 (fols. 16–41), followed by extracts from minutes of council
 meetings dated 1681–2. Published in E. E. Rich, ed., *Minutes of the Hudson's*
 Bay Company 1679–84 (First part, 1679–82) (Toronto, 1945), 237–304. Scribal
 hands. 32 frames.
- 0265 F 47–59. "An Answer to the Articles & Charge exhibited against Mr William Erbery
 before the Honourable Committee for Plundered Ministers"; dated 9 March
 1652[53]. Hand: Unknown, holograph [?]. 12 frames.
- 0277 F 60–8. Account of debate before House of Lords committee concerning interest of
 money. Hand: Unknown. 10 frames.
- 0287 F 69–70. Latin notes on the dynastic link between the Plantagenets and the Dukes of
 Saxony in the twelfth and thirteenth centuries. Unknown hand. 2 frames.
- 0289 F 71. Note on proposed constitution of a dependent province, probably in North
 America. Hand: Unknown. 1 frame.
- 0290 F 72. Copy of Lord Monck's apologia for naval problems in Second Dutch War,
 especially 1666–7. Hand: Unknown. 1 frame.
- 0291 F 73. French petition to Monseigneur Bouet for assistance. Hand: Unknown. 1 frame.
- 0292 F 74–5. M. de Lazancy's statement about Jesuit plots. Hand: Warr. 2 frames.
- 0294 F 76. Copy of letter from Cardinal Barberini to Irish clergy, 25 August 1668. Hand:
 Unknown. 1 frame.

Volume Folio
Frame No. Frame No.

Volume Forty cont., Miscellaneous

- 0295 F 77. Copy of letter describing attack on Major Hoare's house in Ireland; signed by Emmanuel Moore, Piercy Freake, Bryan Wade, Richard Cox, dated 18 February 1680. Hand: B [?]. 1 frame.
- 0296 F 78-9. Report on relief of Limerick, written in wartime (1649/50 or 1689/90) by English officer. Hand: Unknown. 2 frames.
- 0298 F 80-1. Note "About Mr Oldenburgs Children" following his widow's death; signed by Richard Noyes, date post-1677. Holograph [?]. 2 frames.
- 0300 F 82-3. Letter from Senate of Bremen to Henry Oldenburg, 22 September 1654: this is the original of the text printed from a copy in the Bremen Archives in *Oldenburg*, i. 44-5. 2 frames.
- 0302 F 84-5. Notarial French draft concerning property of D. E. Marchand, 1678. Hand: Unknown. 2 frames.
- 0304 F 86
(87 blank
except
endorsement). List of paintings in Italian. Hand: Unknown. 2 frames.
- 0306 F 88-9. Copy of Latin letters from Berlin, dated 9 January 1655. Scribal hand. 2 frames.
- 0308 F 90. Completed printed certificate appointing Benjamin Sangar to the cure of the parish of Ealing, signed R. Newcourt, 31 October 1670. 1 frame.
- 0309 F 91. Document concerning Boyle's election to the "Sancta Sacra[que] Societas Cabalistica Philosophorum," sponsored by George, Patriarch of Antioch, 7 March 1678: cf. Maddison, *Life*, 170. Hand: Pierre [?]. 1 frame.
- 0310 F 92. Letter from Cressy Dimoke (Dymock) to "your Grace" concerning his inventions, dated 16 January 1677. Holograph [?]. 1 frame.
- 0311 F 93-9. Vindication of Bishop Peter Talbot, Irish Jesuit, against the calumnies of Peter Walsh; "Written By a Pastor of the Diocess of Dublin." Hand: Unknown. 7 frames.
- 0318 F 100-9. Account of proceedings for witchcraft against Janet Mathie, Bessie Weir, Marjorie Craig, John Stewart, Annabel Stewart, and Margaret Jackson before Paisley court; original signed by Robert Martin. Clerical copy. 8 frames.
- 0324 F 110-37. Depositions, verdict, and sentence against Alexander Drummond for witchcraft, also signed Robert Martin, Edinburgh, 1629: cf. Christina Lerner, Christopher Hyde Lee, and H. V. McLachlan, *A Source-Book of Scottish Witchcraft* (Glasgow, 1977), 11. Clerical copy. 15 frames.
- 0339 F 138-9. Notes of arrears of quitrent in Ireland by the Treasury Commissioners for Ireland, 24 August 1674. Hand: Unknown. 2 frames.
- 0341 F 140-2. Document alleging that Irish troubles are due to Catholic Church and suggesting countermeasures, date apparently 1681 (see fol. 141). Hand: Bacon [?]. 4 frames.
- 0345 F 143-4. Scheme for regenerating Ireland in nine years, dated August 1675. Hand: Bacon. 2 frames.
- 0347 F 145. Part of patent of Company for Propagation of Gospel in New England and adjacent parts of America. Hand: Unknown. 1 frame.
- 0348 F 146-7. "An Abstract of the Patent of the Corporation for New England." Hand: Unknown. 2 frames.
- 0350 F 148-51. "Reflections upon the present State of Affairs in Poland, Turkey, & Tartary...": means of improving them to the benefit of England and the plantations in the West Indies. Hand: Unknown. 4 frames.
- 0354 F 152-3. Portrait of Simon de Montfort, with French text. Unknown hand. 3 frames.

Volume Folio
Frame No. Frame No.

0357 **Volume Forty-one, Miscellaneous**

(Folio-size volume; foliated; 185 folios)

- 0358 F 1–21. John Birchensha, “A Compendious Discourse of the Principles of the Practicall & Mathematicall Partes of Musick,” written for Boyle. Cf. P. M. Gouk, “Music in the Natural Philosophy of the Early Royal Society” (Warburg Institute Ph.D. thesis, 1982), ch. 4, and L. Miller, “John Birchensha and the Royal Society,” *Journal of the Royal Musical Association*, 115 (1990), 63–79. Holograph [?]. 24 frames.
- 0380 F 22v–31. Letter from John Wallis to Oldenburg on musical topics, 14 May 1664, preceded by sheet with calculations on verso: cf. text in *Oldenburg*, ii. 190–201, but with some variants. Holograph. 10 frames.
- 0390 F 32–6. Extracts from Italian work(s) on natural philosophy, including Torricelli, etc. Hands: Bacon, Smith. 5 frames.
- 0395 F 37–8. Chapter 8 of an unknown Latin treatise on metals. Hand: Bacon. 1 frame.
- 0396 F 39–43
(39v–40
blank). Latin theological papers. Hands: Bacon, Smith. 5 frames.
- 0401 F 44–9. Mathematical papers dealing with calculation of fractions, equations, geometrical definitions, etc. Hands: Bacon, Greg, Uncertain. 6 frames.
- 0407 F 50. Extract from an experimental discourse concerning weights. Hand: K. 1 frame.
- 0408 F 51. “A Scheme of the notes about Sensation in generall.” Hand: F. 1 frame.
- 0409 F 52. “Nullum periculum sine periculo nuncendum [?] est”: Latin paper, signed T. L.[?]. Hand: Unknown. 1 frame.
- 0410 F 53. Calendrical notes/calculations. Hand: Bacon. 1 frame.
- 0411 F 54. Untitled series of forty-one Latin propositions relating to hydrostatics. Hand: Greg. 1 frame.
- 0412 F 55. Introduction in French to series of rules “pour decouvrir la verité.” Hand: Uncertain. 1 frame.
- 0413 F 56–63. Latin material concerning Raymond Lull (incomplete at end) from Charles de Bouelles, *Epistola in Vitam Raemundi Lullii Eremitae* (Paris, 1511) (fols. 56–61), and *Vita Raymundi Lullii, Praesertim ex Nicolao de Pace Theologo Excerpta* (Cologne, 1604). Hand: Uncertain. 8 frames.
- 0421 F 64–7. “De Suffixis”: incomplete Latin text concerning Biblical languages and other related material. Hand: early Boyle. 4 frames.
- 0425 F 68–9. Encomiastic Latin verses concerning Boyle’s writings. Hand: M. 2 frames.
- 0427 F 70–2. Recipes “pour faire croistre une Salade dans l’espace de 2 ou 3 heures” and for smoking liquors. Hands: Uncertain, Smith. 3 frames.
- 0430 F 73–6. “De Mutatione Vocis”; tables and notes concerning Hebrew punctuation, etc. (two copies). Hands: Miles, Uncertain. 2 frames.
- 0432 F 77–102. Poems, prophecies, and a few other miscellaneous items, including verses relating to events and personalities of the Restoration period, and “On Mr. William Erberye deceased” (fols. 100–3). Hands: E (fols. 77–80), Uncertain, Warr (fols. 87–8), Bacon (fols. 97–99). 27 frames.
- 0459 F 104–12. Letters and papers concerning cryptographic codes, etc., including some dated 1669: mainly dealing with political/diplomatic matters. Hand: Unknown. 8 frames.
- 0467 F 113. Notes on dates of death of members of the Rich family. Hand: Unknown. 1 frame.
- 0468 F 114. Note on seals allegedly engraved by a man aged 180. Hand: Unknown. 1 frame.
- 0469 F 115. “De Rege et Senatu” (Latin verses). Hand: Unknown. 1 frame.
- 0470 F 116
(117 blank). A prescription for Boyle. Hand: Unknown. 1 frame.

Volume Folio
Frame No. Frame No.

Volume Forty-one cont., Miscellaneous

- 0471 F 118. "T. Germans Prognostication, put in Latine by P. Claeus." Hand: Unknown. 1 frame.
- 0472 F 119–22. Speech before execution and letters to parents, etc., of "J.A.," condemned to death for spying for Cromwell and plotting to assassinate the king. Hands: Warr, Boyle. 4 frames.
- 0476 F 123. Certificate by Thomas Ramsay discharging Boyle from debts and thanking him for his "liberality and patronage", dated 24 August 1686. Hand: Ramsay. 1 frame.
- 0477 F 124. Note of observation by traveler. Hand: Uncertain. 1 frame.
- 0478 F 125. Extract from Italian letter from Genoa, 12 November 1679. Hand: Unknown. 1 frame.
- 0479 F 126 Copy of instructions to children by Earl of Arundel, 14 September 1646. Hand: Unknown. 1 frame.
(127 blank except for endorsement).
- 0480 F 128–48. Papers relating to Trinity College, Dublin, including regulations for students, financial calculations and notes, and lists of benefices and properties of college. Hand: Unknown. 20 frames.
- 0500 F 149–50. Tables of barometric readings and weather observations, apparently carried out at York, January 1682[3?], December 1682. Hand: Uncertain. 2 frames.
- 0502 F 151. Drawing of lamp. 1 frame.
- 0503 F 152. Drawing of carriage evidently connected with experiments on carriage design carried out by Royal Society in 1664, with captions in hand of Thomas Blount: cf. Michael Hunter, *Establishing the New Science* (Woodbridge, 1989), 88–9. 1 frame.
- 0504 F 153. Engraving by Gerard Van der Gucht: duplicate of BP 35, fols. 215–8. 1 frame.
- 0505 F 154. Oldenburg's copy of drawing of coal pit by Henry Power. Cf. Birch, *History*, i. 136 and plate 2, and above, BP 21, pp. 129–32. 1 frame. (F155–6 no longer present.)
- 0506 F 157. Modern cover sheet. 1 frame.
- 0507 F 158–84 *Pars Altera. De Producibilitate Spirituum*: Latin translation of part 2, sections 1–4 (and part of "New observations"), and part 1, section 4, of *Producibleness of Chymical Principles*, *Works*, i. 609–16 and 605–8. Hand: Ramsay. 29 frames.
(185 blank).

0536

Volume Forty-two, Miscellaneous

(Quarto-size volume; foliated; 277 folios)

- 0537 F 1–17. "Pensées pieuses": religious thoughts and reflections in French, in imitation of Pascal, translated from English [?]. Hand: Unknown. 17 frames.
- 0554 F 18–79. "Pensées meslées," Parts III, V, and II (covering nos. 64–107, 140–52) of another imitation of Pascal comprising brief theological notes. Hand: Unknown. 58 frames.
- 0612 F 80–4. List of contents of "La vera practica della Divina Sapienza o veto Magia Anticha Scripta da Abrahamo di Simone." Hand: Bacon. 5 frames.
- 0617 F 85–104. "Philosophia Chaldaica": text and tables of "Alphabetum accidentale." Hand: Bacon. 21 frames.
- 0638 F 105–10. "The Historie of Susanna": poem, with dedication signed "Tho[mas] Harper"; apparently unpublished. Hand: Unknown (early seventeenth-century). 6 frames.
- 0644 F 111–7. Copies of assorted love poems by Robert Herrick, Thomas Carew, etc. Hand: Unknown. 7 frames.

Volume Frame No.	Folio Frame No.	
0651	F 118–53.	Manuscript text, dated 1624, of <i>The True History of the Tragicke Loves of Hipolito and Isabella Neapolitans, Englished</i> (London, 1628), with notes on religious topics on fol. 153v. Hands: Two unknown. 36 frames.
0687	F 154.	Cover sheet with notes probably referring to City business on verso. Hand: Unknown. 1 frame.
0688	F 155v–82.	“La Philosophe Duppe”: anonymous French comedy (incomplete) apparently unpublished [not the same as <i>La Philosophie Dupe de l'Amour</i> (Paris, 1727)]. Hand: Unknown. 28 frames.
0716	F 183–213.	Miscellaneous Latin and Greek poems, notes, anagrams, etc., together with list of books, mainly classical (fol. 197), instructions for taking notes when reading (fol. 212v), dedicatory inscription to John Warr from Joseph Crabb, 2 [?] Sept. 1686 (fol. 213). Evidently the remains of a commonplace book, probably of John Warr, Senior. Hands: Warr, sen., Uncertain. 30 frames.
0746	F 214–5.	News of Battle of Southwold Bay, 28 May 1672. Scribal hand. 2 frames.
0748	F 216–9.	Recipes in French. Hand: Unknown. 3 frames.
0751	F 220.	Account of trick involving silver coins. Hand: Boyle. 1 frame.
0752	F 221.	Form of royal letter of protection. Scribal hand. 1 frame.
0753	F 222.	Quotation from Aristotle's <i>De Caelo</i> . Hand: Greg. 1 frame.
0754	F 223 (224 blank except for endorsement).	Latin recipe[?]. Hand: Uncertain. 1 frame.
0755	F 225.	Verses on determining weights. Hand: Greg. 1 frame.
0756	F 226.	Extract from Nostradamus, date of original c. 1550. Hand: Uncertain. 1 frame.
0757	F 227.	“Under Portsmouths Picture”: attack on Louise de Keroualle, Duchess of Portsmouth, early 1680s. Hand: Boyle [?]. 1 frame.
0758	F 228–49.	Dismembered notebook of Henry Miles, including collection of English and Latin phrases. Inscribed on fol. 229: “Henry Miles His Book”; dated 1708–10. 22 frames.
0780	F 250–1 (252–3 blank).	Notes on astronomical theories, including those of Copernicus and Tycho Brahe. Hand: Oldenburg. 3 frames.
0783	F 254–5.	Duplicate of BP 41, fols. 97–8. Hand: Bacon. 1 frame.
0784	F 255X.	List of headings/topics, possibly for treatises. Hand: Greg. 2 frames.
0786	F 256–63.	Historical account of the Polish town of Lesna. Scribal hand. 8 frames.
0794	F 264–77.	Papers detailing Scottish grievances against royal government, dated 1674. Incomplete and misbound. Hand: Unknown. 15 frames.

Volume Folio
Frame No. Frame No.

Reel 14

0001 **Volume Forty-three, Miscellaneous**
(Quarto-size volume; foliated; 398 folios)

- 0002 F 1–154. Excerpts from *De Republica Ecclesiastica* by Marc Antonio de Dominis, Archbishop of Spalato (London, 1617), with interpolations as follow.
(i) fols. 1–21, from Book IV of *De Republica Ecclesiastica*; (ii) fols. 22–31, “Observationes quaedam Oxonii receptae Anno 1645”; (iii) fol. 32, from Samuel Daniel’s *Archiepiscopal Priority Instituted by Christ* (1642); (iv) fols. 33–103, from Books V and VI of *De Republica Ecclesiastica*; (v) fols. 104–9, notes on “Ostensio Errorum quos adversum Fidem Catholicam Ecclesiae Anglicanae conatus est defendere,” appended to Book VI of *De Republica Ecclesiastica*; and (vi) fols. 109v–54, from Books VII and (from fol. 144) IX of *De Republica Ecclesiastica*. Scribal hand throughout. 151 frames.
- 0153 F 155–212. “Collegium privatum Anti-judaicum”: notes on Latin theological tract by Voetius, dated 22 September 1641; mainly in form of summaries but with longer sections of text (in smaller format) on fols. 164–6 and 184–7. Hand: same as fols. 1f. 58 frames.
- 0211 F 213–7. Extracts from Varenius’ *Geography* and Gassendi’s *Nuntio Sideres*. Hand: Oldenburg. 4 frames.
- 0215 F 217–8. Historical notes. Hand: Uncertain. 3 frames.
- 0218 F 220–33 (234–5 blank). Evidently a commentary on Samuel Maresius [ie Desmarets], *Refutatio Fabulae Prae-Adamitae* (Groningen, 1655). Hand uncertain. 15 frames.
- 0233 F 236–59. “Raisons contre la Paix des Hollandois de l’an 1647” and “Modelle du Traité entre l’Angleterre et les Provinces unies du pais bas, l’An 1651”: copies of diplomatic texts. Hand: Oldenburg [?]. 22 frames.
- 0255 F 260–5. “Methodus legendi Historias”: discourse on the discipline of history, its types, etc., perhaps connected to Degory Wheare’s *De Ratione et Methodo legendi uraque Historias Civiles et Ecclesiasticas* (1623). Hand: Oldenburg. 6 frames.
- 0261 F 266–79. Notes on Dutch history. Hand: Oldenburg. 14 frames.
- 0275 F 280–9. Notes on fortification in Latin, Italian, and French. Hands: Uncertain, Oldenburg. 10 frames.
- 0285 F 290–7. Notes on sermons by a Mr. Simpson, a Mr. Day, and Justice Heyland at All Hallows Church; date probably 1650s. Hand: Oldenburg. 8 frames.
- 0293 F 298–300 (301 blank). Charles I’s reply to Parliament and the Scots Commissioners, May 1647. Hand: Uncertain. 3 frames.
- 0296 F 302–21 (322 blank). Two overlapping copies of history of English kings from 1066. Hand: Oldenburg [?]. 20 frames.
- 0316 F 323–32. “The State of Britanie [sic] from the time of the Romans unto William the Conqueror”: account of British history from 55 B.C. to A.D. 1100. Hand: Oldenburg. 10 frames.
- 0326 F 333–6. “Considerations on Deuter[onamy] 18: 9–21.” Hand: Oldenburg [?]. 3 frames.
- 0329 F 337–45. Manuscript copy of Thomas Hobbes’s Latin poem, *De Mirabilis Pecci* (London, 1678). Hand: Oldenburg. 9 frames.
- 0338 F 346–8 (349 blank). Latin satirical synopsis of the life of Cardinal Richelieu. Hand: Oldenburg [?]. 4 frames.
- 0342 F 350–64. Copy of [Sir William Davenant], *A Proposition for the Advancement of Morality* (1654); imperfect at end. Cf. J. R. Jacob and Tim Raylor in *The Seventeenth Century*, 6 (1991), 205–50. Hand: Unknown. 15 frames.

Volume Folio
Frame No. Frame No.

Volume Forty-three cont., Miscellaneous

- 0357 F 365. "Argumentum Pharsaliae": brief account of the military and political events in Rome, 55–47 BC, evidently from Lucan. Hand: Oldenburg [?]. 1 frame.
 0358 F 366. Notes on algebra. Hand: Oldenburg. 1 frame.
 0359 F 367–96. French translation by Francois Guillot of Juan Huarte's *Examen de Ingenios para la Ciencias* (1575). Hand: Uncertain. 29 frames.
 0388 F 397–8. "Le proces de Lucas Scacs de faire un bon Aurum potable." Hand: Uncertain. 2 frames.

0390

Volume Forty-four, Miscellaneous

(Quarto-size volume; foliated; 170 folios)

- 0391 F 1–20. Transcript of Eirenaeus Philalethes, *De Metallorum Metamorphosi* (Amsterdam, 1668, though this copy is probably from a manuscript recension rather than the published edition). Scribal italic. 19 frames.
 0410 F 21–2. Extract from letter from Johann Morian, 28 October 1658 (concerning Hartlib). Hand: Unknown. 2 frames.
 0412 F 23–8. Notes on a book, evidently by Boyle, including its vocabulary, together with observation concerning numbness. Hand: John Wallis. 6 frames.
 0418 F 29–30. Observations by a critic, in French, on natural philosophers, including Boyle. Hand: Bacon. 2 frames.
 0420 F 31–2. Mathematical calculations and notes. Hands: E, Uncertain. 1 frame.
 0421 F 33–5. Diagrams and associated notes, some evidently astrological. Hand: Unknown. 2 frames.
 0423 F 36–41 Brief notes on Biblical passages, including some from a commentary by John (42 blank). Preston. Hand: Warr sen. 6 frames.
 0429 F 43–9. Recipes, memoranda, and sections of text: probably section of a dismembered notebook. Hand: Boyle. 7 frames.
 0436 F 50. Latin notes on a remedy. Hand: Unknown. 1 frame.
 0437 F 51–4. "Annotationes In Aristotelicam naturae definitionem." Hand: Unknown. 4 frames.
 0441 F 55. Apparently an introductory invocation to a treatise on a secret process, with, on verso, six seals, endorsed "ARCana Arcane custodito." Hand: Unknown. 1 frame.
 0442 F 56–93. Extracts from "Testamenti Novissimi Raymundi Lullii, Maioricani, Regi Carolo Dicati," in *Testamentum Raymundi Lulli Doctissimi et Celeberrimi Philosophi* (1573). Hand: Clodius [?]. 37 frames.
 0479 F 94–112 "Diurnall Observations, Thoughts, & Collections. Begun at Stalbridge April 25th (113 blank). 1647:" aphorisms, etc., in English and French. Hand: early Boyle. 19 frames.
 0498 F 114–5. Paper headed "L.D." replying to a letter and comprising various remarks concerning religious state of affairs in aftermath of Civil War, etc. Hand: early Boyle. 3 frames.
 0501 F 117–26. "The Journall and Relation of a New discovery made behind the Apuleian [Appalachian] Mountains to the West of Virginia", September 1671, by Thomas Batts, Thomas Woods, and Robert Fallam. Similar to (but not identical with) the text printed from British Library MS Sloane 4432, fol. 9, in E. and D. S. Berkeley, eds., *The Reverend John Clayton* (Charlottesville, 1965), 68–77: Cf. A. V. Briceland, *Westward from Virginia* (Charlottesville, 1987), 124–46, and R. P. Stearns, *Science in the British Colonies of America* (Urbana, 1970), 190 and n. 53. Hand: Uncertain. 10 frames.
 0511 F 127–32. Start of commentary on above item, continuing in BP 39, fols. 95f. Hand: Uncertain. 6 frames.

Volume Folio
Frame No. Frame No.

Volume Forty-four cont., Miscellaneous

- 0517 F 133–69 “A Defence of the late Voyage into Portugall attempted by the English Nation, (170 blank agaynst the secret whysperings of certein disloyall subiectes”: defence of except for English expedition to Lisbon, probably 1589; author unknown: dedicated “To endorse-ment). the right honorable the Erle of Essex his very good Lord.” Secretary hand. 28 frames.

0545 **Volume Forty-five, Miscellaneous**

(Quarto-size volume; foliated; 123 folios)

Copies of seven Orations by Cicero, preceded by contents leaf and “The Judgement of M. Fab. Quintilianus concerning Cicero. Lib 10. Institut. Orat. c.1” (fol. 2). Licensed by Edward Cooke, 7 June 1693, on fol. 3. Hand: Warr sen. 124 frames.

0669 **Volume Forty-six, Miscellaneous**

(Quarto-size volume; foliated 1986, replacing earlier erratic pagination; 17 folios)

- 0671 F 1. Leaf with connecting passage in hand of Warr and pasted-in note by Miles. 1 frame.
- 0672 F 2. Passage on human honors and real virtue. Hand: Boyle. 1 frame.
- 0673 F 3–5. Draft material for part of *Free Enquiry into the Vulgarly Receiv'd Notion of Nature*. Cf. *Works*, v. 158–254. Hand: B. 2 frames.
- 0675 F 6. Introductory passage to two letters, probably concerning reason and religion. Hand: B. 1 frame.
- 0676 F 7–8. Part of text of *The High Veneration Man's Intellect owes to God for his Wisdom and Power*, *Works*, v. 156. Hand: Boyle. 2 frames.
- 0678 F 8(bis) and 9–15. Sections of text concerning reason and revealed religion, and the truth of Christianity, together with part of discourse on the advantages of Christianity compared with other religions; similar to but apparently not in published text of *Reconcilableness of Reason and Religion*. Hands: Boyle, B. 8 frames.
- 0686 F 16. Draft of conclusion to previous paper, on reason's services to religion and to Christianity in particular. Hand: Boyle. 1 frame.
- 0687 F 17. Part of draft for work on reason and religion; apparently not printed in *Reason and Religion*. Hand: B. 2 frames.

Reel 15

The Boyle Notebooks and Associated Manuscripts

0001 MS 23

(Quarto volume; vellum-bound; foliated; 69 folios) Hand: Warr junior throughout.

- 0002 F 1–8. Notes, evidently on scholastic lecture on theology. 8 frames.
- 0010 F 9–56. List of books divided by format, many of them numbered and with prices; one or more pages evidently missing at start; some notes on whereabouts attached, including the following headings:
 “In the Closet of my Room in Brewer street. In folio” (fol. 9v)
 “In the Closet of the Back Garret in Brewer street (in folio)” (loc. cit.)
 “Bound in Vellum in folio on the Shelfe the inside of Th. Smiths Bed[room]” (fol. 10v)
 “Quartos. In my Roome at my Masters” (fol. 14)
 “Bookes in Quarto in my Closet in the lower Room in Brewer Street” (fol. 22)
 “In the upper Closet in Brewer Street in Quarto” (loc. cit.)
 “Bookes of mine in Octavo on the upper Long shelfe in my roome at my Masters” (fol. 26)
 “Bookes of mine in Octavo on the upper long shelfe save one” (fol. 29)
 “In the little [sic] of my Chamber at my Masters just over the door” (fol. 32)
 “The following Bookes are in the Dress of Shelves by the Beds-head in my Roome at my Masters” (fol. 36)
 “On the upper shelfe save one (in the press) 8vos” (fol. 38)
 “In the Garret Closet in Brewer Street. Octavoes” (fol. 48)
 “In the lower Shelfe save two in the press” (loc. cit.)
 “Octavoes in Parchmt & sticht in the upper back Closet in Brewer Street” (fol. 56). 47 frames.
- 0057 F 57–60. Notes on God’s attributes. 4 frames.
 [End of section written from front.]
- 0061 F 61–7. Notes on words in alphabetical order. 7 frames.
- 0068 F 68v–9. Definitional notes concerning theological disputes, some from Anthony Burgess’s *True Doctrine of Justification* (1655). 4 frames.

0073 MS 41

(Calf-bound; recently rebounded; fols. 2–6 and 93v written parallel to spine; foliated; 96 folios)

Miscellaneous medicinal recipes, often with the informant who provided them identified, including Mr. Hollyer (fols. 7, 13), Gerard Boate (fols. 10, 28, 32v, 62), Mr. Hartlib (fol. 13), Lady Barrington (fol. 18), Dr Rugely (fol. 23v), Mr. Stubbe (fol. 24), Mr. Green “apothecary at great St. Bartholomew” (fol. 26), Dr. Cox (fols. 29v, 50, 85v, 90–1), Dr. Willis (fol. 36, 46, 85), and Mr. Woodward (fol. 46).

Apparently used over a number of years with entries dated 1658 (fol. 3v), 1659 (fols. 6–7), 1661 (fol. 21), 1664 (fol. 36), 1665 (fol. 56), 1667 (fols. 46v, 56), 1669 (fol. 65v), 1672 (fols. 80v, 91), 1673 (fol. 85v) and 1681 (fol. 90v). Some of the material is in the hand of Lady Ranelagh, who evidently initially shared the book with Boyle; other entries are by various of Boyle’s amanuenses.

Hands: Warr (fols. 2v, 17v, 19v, 57, 65, 70, 72–5, 83–5, 88v, 89–90); Lady Ranelagh (fols. 3–6, 7–12, 13v–17, 18v, 20–2, 23, 33–5, 76); G (fols. 12v, 65–8); Slare (fols. 16, 70v, 77–82, 86–7); E (fols. 18, 19, 23v, 35–7, 39v–40, 43–4, 45v–7, 48–51, 52v–5, 56–9, 62v, 64, 71); Clodius (fols. 25–32); F (fols. 37v–9, 40v–2, 45, 47v, 60v–1); Bacon (fols. 55, 62, 87v, 89v, 90v–1); K (fols. 59v–60, 63); Boyle (fols. 67 (title only), 69). 140 frames.

Volume Folio
Frame No. Frame No.

MS 43

(Vellum-bound; rebaked in twentieth century; original front cover with title: "Short Notes for Entrys"; further illegible words on back cover; written parallel to spine; foliated; 180 folios)

- | | | |
|------|---------------------------------|--|
| 0168 | F 1–5. | List of experiments, November–December 1668. Hands: Uncertain, E. 6 frames. |
| 0174 | F 5v–6. | Addresses of contacts and of sources where commodities available. Hands: G, Uncertain. 1 frame. |
| 0175 | F 7–14. | Continuation of lists of experiments, January–March 1669 [?]. Hand: E. 7 frames. |
| 0183 | F 15–23. | Lists of experiments, September–March. Hands: G, E. 8 frames. |
| 0192 | F 24–9. | Further lists of experiments, April–June. Hand: mainly E. 6 frames. |
| 0198 | F 30. | List of things to be done before visit to Lees, and other memoranda. Hand: mainly E. 1 frame. |
| 0199 | F 31–7. | Further lists of experiments, January–April. Hands: E, G. 7 frames. |
| 0206 | F 38. | List of addresses. Hand: G. 1 frame. |
| 0207 | F 38v. | List of experiments: 2 May. Hand: E [?]. 1 frame. |
| 0207 | F 39. | Memorandum. Hand: G [?]. 1 frame. |
| 0208 | F 40–2
(43–4 blank). | List of experiments. Hand: G [?]. 7 frames. |
| 0213 | F 44v–5. | Experimental results, including notes on weights, November–January. Hand: E. 1 frame. |
| 0214 | F 46. | "Sir Will: Stroudes Mines" (a list, continuing on fol. 48); memoranda on verso. Hand: E. 1 frame. |
| 0215 | F 47. | Notes on weights. Hand: mainly E. 1 frame. |
| 0216 | F 48. | Continuation of list on fol. 46. Hand: E. 1 frame. |
| 0217 | F 48v–50. | Records of experimental results, April–May 1669, and addresses. Hand: mainly E. 2 frames. |
| 0219 | F 51–2
(53 blank). | Notes on weights and other memoranda. Hand: mainly E. 3 frames. |
| 0222 | F 54–8. | Further notes and calculations. Hand: mainly E. 5 frames. |
| 0227 | F 59. | Barometric observations, November–January (no year). Hand uncertain. 1 frame. |
| 0228 | F 59v–60. | Further notes on weights. Hands: E, Uncertain. 1 frame. |
| 0229 | F 60v–2. | Notes on vibration of pendulum, further weights, and memoranda. Hand: E. 2 frames. |
| 0231 | F 62v–6. | Barometric observations, December–April, and notes on weights. Hands: E, Boyle. 4 frames. |
| 0235 | F 66v–9
(69v–
179 blank). | Further experimental findings, some dated April 1670, and page references. Hands: E, Boyle, Uncertain. 4 frames. |
| 0239 | F 180. | "Particulars desir'd to be observ'd or tryed by Mr Strewd": instructions for barometric observations. Hand: Unknown. 3 frames. |

MS 185

(Modern binding; written parallel to spine; foliated; 69 folios)

- | | | |
|------|---------------------|---|
| 0242 | F 1v, 3. | "Titles of Mr. [Boyle's] Theological Tracts." Hand: Greg. 2 frames. |
| 0242 | F 2. | Weights of spheres. Hand: Uncertain. 1 frame. |
| 0244 | F 4. | Summary of points in a theological treatise. Hand: Greg. 1 frame. |
| 0245 | F 5. | "Fragmenta Theologica Minora, or Theological Notes of my own..." (title page). Hand: Greg. 1 frame. |
| 0246 | F 6
(7–9 blank). | Advertisement concerning confused state of published works. Hand: Greg. 4 frames. |

Volume Frame No.	Folio Frame No.	
0250	F 10–14 (13 blank).	Commentary on passage of Galen (fols. 10–11); introduction to section of discourse on the principal difficulties in Christianity (fols. 11v–12); and notes on propogation of Gospel (fol. 14). Hands: Uncertain, Greg, Smith. 5 frames.
0254	F 15–16 (17 blank).	Draft introduction for additional notes to <i>Natural History of Human Blood</i> . Hand: Smith. 3 frames.
0257	F 18.	Part of a sentence only. Hand: Smith. 1 frame.
0258	F 19–20.	Section of text on the nature of light. Hand: Smith. 2 frames.
0260	F 21–4.	Medical uses of distillation. Hand: Smith. 4 frames.
0264	F 25–32.	Arguments used to demonstrate truth or otherwise of religion (fols. 25–8); considerations on proofs of divine origin of universe (fols. 29–32). Hand: Smith. 8 frames.
0272	F 32v–7.	On degrees and kinds of knowledge of natural beings (fols. 32v–34), the perfect knowledge and understanding possessed by God, and the various degrees of it which he gave to his creatures (fols. 35v–37). Hand: Smith. 5 frames.
0278	F 38v–40.	“Advertisement” concerning notes on light. Hand: Smith. 2 frames.
0280	F 41–42.	The nature of the eye. Hand: Smith. 2 frames.
	[End of section written from the front.]	
0282	F 43.	Structure of hypotheses, and their division into general and particular. Hand: Smith. 1 frame.
0283	F 44v–46.	Seeming contradictions of some things above reason disproved. Hand: Smith. 3 frames.
0286	F 47v.	God infinitely perfect. Hand: Smith. 1 frame.
0287	F 48–53 (54 blank).	Things above reason, overlapping with “Reflections upon a Theological Distinction,” <i>Works</i> , v. 541–9. Hand: Smith. 6 frames.
0293	F 54v, 55v–55Xv.	Introductory remarks concerning types of notes used by author. Hand: Smith. 1 frame.
0294	F 55.	“The Propertys, Signs & Effects of Greatness of mind are chiefly these.” Hand: Smith. 1 frame.
0295	F 56.	“Tryals to be made on humane blood.” Hand: Smith. 1 frame.
0296	F 57.	Directions for letters to Vienna. Hand: Greg. 1 frame.
0297	F 58–61.	Answers to four objections concerning miracles, overlapping with <i>Christian Virtuoso</i> . Hand: Greg. 4 frames.
0301	F 62v–3.	“Advertisement about the Marginal Addi[tio]ns of the Writer.” Hand: Greg. 1 frame.
0302	F 63v.	“Of two Distinctions of <i>Hypotheses</i> .” Hand: Greg. 1 frame.
0303	F 64–6.	Part of introduction to “Materia Medica” and note on use of a “Preamble.” Hand: Greg. 3 frames.
0306	F 67–9.	Stubs left of torn-out pages, otherwise blank. 2 frames.

0308

MS 186

(Modern binding; written parallel to spine; foliated; 189 folios)

0309	F 1v–3v.	Key to abbreviations. Hand: Bacon. 3 frames.
0312	F 4 (5 blank).	<i>Medicina Hydrostatica</i> : list of errata. Hand: Bacon. 3 frames.
0315	F 6v.	Names of South Sea, Scottish, and Indian herbs. Hand: Bacon. 1 frame.
0315	F 7.	Notes on shortcomings of chemists. Hand: Bacon. 1 frame.
0316	F 8.	Introduction to part of medical treatise on the brain. Hand: Greg. 1 frame.
0317	F 9.	Evidence of skillful composition of human body. Hand: Bacon. 1 frame.
0318	F 9v–10, 11v–12.	Part of discourse on mechanical origin of flame. Hand: Bacon. 3 frames.
0321	F 13–14.	Two advertisements, probably for <i>Experimenta et Observationes Physicae</i> . Hand: Bacon, with marginal add. by Boyle. 1 frame.
0322	F 14v–15.	Text concerning parable medicines. Hands: Boyle [?], Bacon. 1 frame.

Volume Frame No.	Folio Frame No.	
MS 186 cont.		
0323	F 16.	Verses on the contents of fourteen collections of papers. Hand: Bacon. 1 frame.
0324	F 16v–18.	On three “classes” of experiments. Hand: Bacon. 2 frames.
0326	F 19–24.	Uses of mixed experiments; works recommended to Trallianus; proof of God’s wisdom in fabric of human body. Hand: Bacon. 5 frames.
0331	F 24v–5 (26 blank).	“Scholium” for <i>Experimenta et Observationes Physicae</i> . Hand: Bacon. 3 frames.
0334	F 26v–8.	“An Index of the Chapters of the Experimenta & Observationes Physicae.” Hand: Greg. 1 frame.
0335	F 28v–30.	Good uses of proven experiments. Hand: Bacon. 2 frames.
0337	F 30–2.	Lists of phenomena, mostly chemical. Hand: Greg [?]. 4 frames.
0341	F 33v–4.	List of writings by Boyle. Hand: mainly Greg, with adds. by Bacon. 2 frames.
0343	F 35v–6.	List of experiments with tin. Hand: Bacon. 1 frame.
0344	F 36v–9.	Notes on contents of boxes, dated “Janu[a]ry the 21.” Hand: Bacon. 3 frames.
0347	F 40–2.	Introductory material on history of tin. Hand: Bacon. 4 frames.
0351	F 43v–4.	Experiment on precipitate solution of sublimate with oil of tartar. Hand: Bacon. 1 frame.
0352	F 45.	Text concerning saltiness of sea. Hand: Bacon. 1 frame.
0353	F 46–52.	Notes on diamonds, on special paper that turns different colors when touched with saline spirit etc., and on experiments with salt, etc. Hand: Bacon. 7 frames.
0360	F 53–4.	Theology: praise owing to God. Hand: Bacon. 1 frame.
0361	F 54v–7.	Introductory material to medical tract. Hand: Bacon. 4 frames.
0365	F 58v–9.	The general and particular use of “the Chromatick Examen.” Hand: Boyle. 2 frames.
0367	F 60.	List of phenomena concerning coloration, etc. Hand: Boyle [?]. 1 frame.
0368	F 61.	Notes on precious stones, etc. Hand: Bacon. 1 frame.
0369	F 62.	Note on experiments missing from a collection. Hand: Bacon. 1 frame.
0370	F 63–4.	Introduction to work on tin and note on particulars relating to medical work. Hand: Bacon. 1 frame.
0371	F 65.	List of virtues. Hand: Bacon. 2 frames.
0373	F 65v–6, 68v.	List of phenomena to remember. Hand: Bacon. 1 frame.
0374	F 66v–7.	Account of experiment by supposed adept. Hand: Bacon. 1 frame.
0375	F 67v–8.	Theology: three types of motive for an action. Hand: Bacon. 2 frames.
0377	F 69v–70.	Affinity between gratitude to and love of God. Hand: Bacon. 1 frame.
0378	F 70v–2.	Introductory material, evidently for <i>Experimenta et Observationes Physicae</i> . Hand: Bacon. 2 frames.
0380	F 72v–5.	Miscellaneous medical notes. Hand: Bacon. 3 frames.
0383	F 76.	Theology: inadequacy of account of love of God without revelation. Hands: Bacon, with adds. by Boyle. 1 frame.
0384	F 77.	Introduction to notes on medical use of ingredients of spa water. Hand: Bacon. 2 frames.
0386	F 78v–9.	Behavior of artificial acidulae. Hand: Bacon. 1 frame.
0387	F 79v.	Effects of spirit of salt. Hand: Bacon. 1 frame.
0387	F 80.	How the fifth article of unnamed treatise contains matters really belonging to history of light. Hand: Bacon. 1 frame.
0388	F 81–3.	Introductory matter concerning medical work. Hand: Bacon. 3 frame.
0391	F 83v–4.	“Postscript”: supplementary experiments on emetic drops. Hand: Bacon. 3 frames.
0392	F 84v–5.	Introduction to medical work. Hand: Bacon. 1 frame.
0393	F 85v.	Contents of putative second volume of <i>Medicina Hydrostatica</i> . Hand: Greg. 1 frame.
0393	F 86.	Incomplete recipe. Hand: Bacon. 1 frame.

Volume Frame No.	Folio Frame No.	
0394	F 86v–8.	Draft list of Boyle's unpublished writings, 3 July 1691 (cf. BP 36, fol. 72). Hand: Bacon. 2 frames.
0396	F 88v.	Theological notes. Hand: Bacon. 1 frame.
0396	F 89.	Part of introduction to a work on philosophy/theology. Hand: Bacon. 2 frames.
0398	F 90v–1.	Notes on motives to the love of God. Hand: Bacon. 1 frame.
0399	F 91v–106.	Introductory material for <i>Medicinal Experiments</i> (cf. <i>Works</i> , v. 314–6). Hands: Bacon, Greg (fol. 105v). 15 frames.
0414	F 107 (108 blank).	Four ways of celebrating God's attributes. Hand: Bacon. 2 frames.
0416	F 109.	List of things to remember. Hand: Bacon. 1 frame.
0417	F 110–13.	Notes concerning motives to love of God. Hands: Greg, Bacon. 4 frames.
0421	F 113v.	List of "Supernaturall phaenomena". Hand: Greg. 1 frame.
0421	F 114.	"The Titles design'd for the 2d Tome of the Exptments & Obs: Physicae" (title only). Hand: Bacon. 2 frames.
0423	F 115–6.	Prefatory material for vol. 2 of <i>Experimenta et Observationes Physicae</i> . Hand: Bacon. 1 frame.
0424	F 116v.	List of "Particulars to Strange Reports." Hand: Bacon. 1 frame.
0425	F 117v–8.	Postscript to <i>Christian Virtuoso</i> , part 2. Hand: Bacon. 2 frames.
0427	F 119v–21.	Introductory material to collection of medical recipes. Hands: Greg, Bacon. 2 frames.
0429	F 122.	List of "Chapters design'd for the 2d & 3d Tomes of the Expt. & Observ. Physicae." Hand: Bacon. 1 frame.
0430	F 123–7.	Introduction to ensuing section of "Cogitationes Physicae." Hand: Bacon. 5 frames.
0435	F 127v–9, 130v (131 blank).	Compatibility of scriptures with reason. Hand: Bacon. 5 frames.
0440	F 132v–5.	Two different types of metaphysical dictate, and note on truths in astrology. Hand: Bacon. 3 frames.
0443	F 136 (137 blank).	Deleted words only. 2 frames.
0445	F 138v–9.	Requisites of a parable medicine. Hand: Greg. 1 frame. [End of section written from front.]
0446	F 140v.	"Arguments for the third Conference" (concerning religion): verses. Hand: Greg. 1 frame.
0447	F 141.	Medicine: further introductory remarks. Hand: Greg. 1 frame.
0448	F 142.	"A List of particulars for parable medecins." Hand: Greg. 1 frame.
0449	F 143–4.	Intention in <i>Experimenta et Observationes Physicae</i> to encourage learned and rich men to turn to experimentation, and medical notes. Hand: Greg. 2 frames.
0451	F 145.	"An Advertisement about the Lists of Mr. Boyles Processes & Receipts." Hand: Bacon. 1 frame.
0452	F 146–50.	Uses of creatures to man. Hand: Bacon. 5 frames.
0457	F 151–3 (154–171 blank).	Verses on <i>Christian Virtuoso</i> , part 2, on the use of experiments in philosophy, rules of philosophy, etc. Hand: Bacon. 5 frames.
0462	F 172.	"A Transcript of Dr. Locks Notes about Light." Hand: Greg. 1 frame.
0463	F 173.	"A short & true account of the present State of the E: India Companies' stock, as it now lyes before the honourable house of Commons." Hand: Greg. 1 frame.
0465	F 174v–5.	List of contents of "A supplement to the tract of Strange reports." Hand: Greg. 1 frame.
0466	F 176.	"The French Kings Testimonie of the prince of Orange": brief note in French. Hand: Greg. 1 frame.

Volume Folio
Frame No. Frame No.

MS 186 cont.

- 0467 F 176v. "The Heads of the first Part of the Mutual good Offices of Reason and Revelation." Hand: Bacon. 1 frame.
- 0468 F 177v. "Chapters design'd for the 2d Tome of *Experimenta & Observationes Physicae*." Hand: Greg. 1 frame.
- 0469 F 178v-9. Part of introduction to a compilation. Hand: Greg. 1 frame.
- 0470 F 180. "Particulars belonging to the *Medicina Chromatica*." Hand: Bacon. 1 frame.
- 0471 F 181-2. Part of introduction to theological tract (supplementing *Christian Virtuoso*). Hands: Greg, Bacon. 2 frames.
- 0473 F 183. "Particulars belonging to the *Medicina Chromatica*." Hand: Greg. 2 frames.
- 0475 F 184v-5. God's perfection and attributes, as exercised to spiritual beings beyond our knowledge. Hand: Bacon. 1 frame.
- 0476 F 186. Note on contents of folders of Boyle's papers. Hand: Greg. 1 frame.
- 0477 F 187-8. Notes on the acreage of Ireland and the proportions of it owned by Protestants and Catholics before and after the Civil War. Hand: Bacon. 2 frames.
- 0479 F 189. Notes on abbreviations; duplicate of fol. 1v. Hand: Bacon. 2 frames.

0481

MS 187

(Modern binding; written parallel to spine; foliated; 167 folios)

- 0481 Unpaginated leaf, verso: memorandum. Hand: Greg. 1 frame.
- 0482 F 1-2. God's attributes and nature. Hand: Bacon. 2 frames.
- 0484 F 2v. Part of dialogue. Hand: Greg. 1 frame.
- 0484 F 3. Addresses; on verso, note on list of experiments. Hands: Greg, Bacon. 2 frames.
- 0486 F 4v. Note on views of chemists and physicians that are prejudicial to medical art. Hand: Greg. 1 frame.
- 0487 F 5v-8. The advantages and disadvantages of reading the *Theatrum Chymicum* by "adepti." Hand: Bacon. 2 frames.
- 0489 F 8v. Proposal to divide following collection between "Theoricall" and "Historicall." Hand: Greg. 1 frame.
- 0489 F 9. Text concerning calculation of specific gravity of stones, etc. Hand: Bacon. 1 frame.
- 0490 F 9v. "Postscript" concerning minerals. Hand: Greg. 1 frame.
- 0490 F 10. Calculation of specific gravities of fluid. Hand: Greg. 2 frames.
- 0492 F 11v Note on limited availability of antimonial glass. Hand: Greg. 2 frames.
- (12 blank).
- 0494 F 13v "The requisites of a good Hypothesis" (verse) (cf. BP 36, fols. 57-8, but up to rule 5 only). Hand: Greg. 2 frames.
- (14 blank).
- 0496 F 15v-17. Note to a correspondent about the confused state of the author's writings. Hand: Greg. 2 frames.
- 0498 F 18. *Experimenta et Observationes Physicae*: list of experiments. Hand: Greg. 1 frames.
- 0499 F 19-20. Miscellaneous notes on human body. Hand: Greg. 2 frames.
- 0501 F 21. Stub of torn-out leaf. 1 frame.
- 0502 F 22 (partly Notes on weighing quicksilver; experiment with gold. Hands: Greg, Bacon. 1 frame.
- torn out).
- 0503 F 23-4. Chemical processes for analysis of ore. Hands: Bacon, Greg (fol. 24 partly torn out). 3 frames.
- 0506 F 25v-7. Introduction to work on uses of experience in natural philosophy. Hands: Bacon, Greg. 3 frames.
- 0509 F 28v-30. Introduction to text on inflammability. Hand: Bacon. 2 frames.

Volume Frame No.	Folio Frame No.	
0511	F 30v-1.	"A list of books provided & to be provided for the Collection making by Mr. Boyle of books tending to the prooffe & defence of the truth of the Christian Religion." Hand: Greg. 2 frames.
0513	F 32v-5.	Introductory material to collection of "Strange Reports": cf. <i>Works</i> , v. 593f. Hand: Greg. 3 frames.
0516	F 35v-7.	How a manuscript by van Helmont came to London, but only one sheet of it escaped the Great Fire. Hand: Bacon.
0518	F 38 (39-91 blank.) [End of section written from front]	Requisites of a parable medicine. Hand: Greg. 5 frames.
0523	F 91v.	Usefulness of chromatic examination of bodies. Hand: Greg. 1 frame.
0524	F 92v-3.	"Schol. 17": explanation of inclusion of less elaborate experiments in a collection. Hand: Greg. 1 frame.
0525	F 94-6.	Notes on contents of unpublished Part 2 of <i>Christian Virtuoso</i> . Hand: Bacon. 4 frames.
0529	F 97v.	Disposition of French armies as of "May 29 [16]91." Hand: Greg. 1 frame.
0530	F 98v.	"A Notable comminution of Gold into powder that will sinke in water" (title only). Hand: Uncertain. 1 frame.
0530	F 99-102.	<i>Christian Virtuoso</i> : introductory material for unpublished section. Hand: Bacon. 4 frames.
0534	F 103.	Things to remember. Hand: Bacon. 1 frame.
0535	F 104-5.	Explanation for author's care in differentiating personal knowledge from hearsay. Hand: Bacon. 1 frame.
0536	F 105v-6.	Division of medical particulars into practical and serving "to increase his knowledge & dexterity, and thereby improve his Art." Hand: Bacon. 2 frames.
0538	F 107-8.	Notes on contents of <i>Experimenta et Observationes Physicae</i> . Hand: Bacon. 2 frames.
0540	F 109-12.	Advertisement as in "Greatness of Mind promoted by Christianity" (<i>Works</i> , v. 557-8). Hand: Bacon. 4 frames.
0544	F 112v-4 (115 blank).	Introductory material on parable medicines. Hands: Boyle, Greg, Bacon. 3 frames.
0547	F 116-7.	Notes on experiments about cold. Hand: Bacon. 2 frames.
0549	F 117v-9.	Material related to "Greatness of Mind promoted by Christianity." Hand: Bacon. 3 frames.
0552	F 120v-1 (122 blank).	Notes on types of experiments. Hand: Bacon. 2 frames.
0554	F 122v-3.	Notes on excellence of human body. Hand: Greg. 1 frame.
0555	F 124.	Explanation of content of accompanying paper. Hand: Greg. 2 frames.
0557	F 125v.	"Memoires for an Exp[er]imental History of the Principles of mixt Bodys. Especially those asserted by the Chymists" (title only). Hand: Bacon. 1 frame.
0557	F 126 (127-8 blank).	Notes on diamonds. Hand: Bacon. 3 frames.
0560	F 129.	Address. Hand: Uncertain. 1 frame.
0561	F 129v-30.	Note on categories of fragmentary writings. Hand: Bacon. 1 frame.
0562	F 131 (132 blank).	List of topics, probably for "Strange Reports." Hand: Boyle. 3 frames.
0565	F 133v-5.	Notes on materials from which cheap medicines available. Hand: Bacon. 3 frames.
0568	F 136v.	Notes on mechanical origin of inflammability. Hand: Bacon. 1 frame.
0568	F 137.	Note on "aurum fulminans." Hand: Bacon. 2 frames.
0570	F 138v.	Introduction to philosophical or theological fragments. Hand: Bacon. 1 frame.

Volume Folio
Frame No. Frame No.

MS 187 cont.

- 0571 F 139v-40. Introductory material to collection of medicines. Hand: Greg. 1 frame.
 0572 F 141-2. Account of conversation with the Bishop of St. Asaph [William Lloyd] about events in Piedmont and Savoy, "Jun. 22 1690." Hand: Greg. 3 frames.
 0575 F 143v. How to calculate specific weight of liquids. Hand: Greg. 1 frame.
 0575 F 144. Text concerning fifth use of hydrostatical way of examining drugs. Hand: Greg. 1 frame.
 0576 F 144v-6. Introductory material on corruption and preservation of bodies. Hand: Greg. 1 frame.
 0577 F 146v-7. Importance of "indagatory, detecting or Exploratory ways of Tryals." Hand: Bacon. 1 frame.
 0578 F 147v-8. Note on fragment inserted in unnamed text, probably *Experimenta et Observationes Physicae*. Hand: Greg. 2 frames.
 0580 F 149v. Note on tract on flame. Hand: Bacon. 1 frame.
 0580 F 150. Note excusing incomplete and chaotic state of account of observations on chameleon. Hand: Greg. 1 frame.
 0581 F 150v-2. Introduction to a collection of experiments: perhaps *Experimenta et Observationes Physicae*. Hand: Greg. 2 frames.
 0583 F 152v-3. Value of quantitative experiments. Hand: Bacon. 1 frame.
 0584 F 153v-4. Comment on work on reason and religion. Hand: Greg. 2 frames.
 0586 F 155. Experiment with human blood. Hand: Greg. 2 frames.
 0588 F 156v. Part of dialogue on limits of philosophers' conceptions. Hand: Greg. 1 frame.
 0589 F 157v. Verses on philosophy and religion. Hand: Greg. 1 frame.
 0589 F 158. Notes on union of body and soul. Hand: Smith. 2 frames.
 0591 F 159v. List of "fragmenta philosophica." Hand: Greg. 1 frame.
 0591 F 160-1. Text concerning experiments on inflammability. Hand: Bacon. 3 frames.
 0594 F 162v-3 Examination of liquid/fragmentary body. Hand: Bacon. 2 frames.
 (partly torn out).
 0596 F 164v. General note concerning collection of Boyle's writings. Hand: Bacon. 1 frame.
 0597 F 165v. Part of letter agreeing to send processes to correspondent. Hand: Bacon. 1 frame.
 0597 F 166. Note accompanying account of a useful menstruum. Hand: Bacon. 1 frame.
 0598 F 167. Lists of experiments. Hand: Greg. 3 frames.

0601

MS 188

(Modern binding; mainly written parallel to spine; largely in hand of Frederic Slare, except fols. 4-5, which are in Warr's hand; foliated; 130 folios)

- 0602 F 1 Fragmentary note and alphabet. 1 frame.
 (partly cut out).
 0603 F 2-19 Memoranda recording weights, meteorological phenomena, etc., with a few
 (20-6 blank). experimental notes and miscellaneous jottings; dated from October [1673] to May 1674. 24 frames.
 0627 F 27. Accounts (incomplete). 1 frame.
 0628 F 28. List of theological books. 4 frames.
 (29-32 blank).
 0632 F 32v-4. Weather notes, December 1673-January 1674. 3 frames.
 0635 F 34v. Note on weight; "July the 28th [16]76." 1 frame.
 0635 F 35 Jottings. 2 frame.
 (36-58 blank).

Volume Frame No.	Folio Frame No.	
0637	F 58v.	Financial calculations. 1 frame.
0637	F 59 (60 blank).	Note of an assignment at an inn, in red crayon. Hand uncertain. 2 frames.
0639	F 61v, 63–80 (62, 76, 80v– 91 blank).	List of different substances, evidently in Boyle's possession. 29 frames.
0668	F 91v.	Experiments with plants sealed in vacuum, one with Papin's receiver; on or after 17/21 April of unknown year. 1 frame. [End of section written from front.]
0669	F 93.	Financial calculations. 1 frame.
0670	F 94.	Jotting including date "August 19." 1 frame.
0671	F 95 (95v–9 blank).	"Small things in the Box in the last partition." 5 frames.
0676	F 99v–102.	Lists of chemicals and other items. 3 frames.
0679	F 103. (105–108 blank).	Deleted figures. 4 frames.
0683	F 109–10.	List of chemicals, etc. 1 frame.
0684	F 110	"Solutions"; note. 2 frames.
0686	F 111v–2 (113 blank).	List of "Things to be seald up." 2 frames.
0688	F 114–128.	List of a series of experiments, many under dated headings between November of one year and the following 13 April: mostly mixing solutions and liquors, weighing, distilling, dissolving, fermenting, freezing, sealing in vacuum, etc. 5 frames.
0703	F 129–30.	Miscellaneous jottings and notes. 4 frames.
0707	MS 189 (Modern binding; written parallel to spine; foliated; 165 folios)	
0708	F 1X.	Address dated "Sept 16 (89)." Hand: Greg. 1 frame.
0709	F 1–2.	Miscellaneous notes, on weights, addresses, "Names of the Committee of the Council for Irish Affairs," and note on Henrician statute against multiplication of gold and silver. Hand: mainly Greg. 1 frame.
0709	F 2.	Copy of letter in French prophesying the Glorious Revolution. Hand: Greg. 1 frame.
0710	F 3–5 (6–8 blank).	Introductory material for <i>Medicina Hydrostatica</i> and note on address. Hand: Bacon (except address). 6 frames.
0716	F 9.	Unpublished <i>Christian Virtuoso</i> material and items to remember. Hands: Greg, Bacon. 3 frames.
0719	F 10v–11 (12 blank).	Introductory material to treatise on inflammability. Hand: Bacon. 2 frames.
0721	F 13.	Promise by Boyle's assistant not to divulge details of any experiments, processes, etc., to anyone. Hand: Bacon. 2 frames.
0723	F 14v–15.	Introduction to a collection of experiments. Hand: Bacon. 1 frame.
0724	F 15v–17.	Note on experiments with snake stones authorized by King and Queen. Hand: Bacon. 2 frames.
0726	F 17v–18. (18v–20 blank).	Latin catalogue of thirteen of Boyle's works in two volumes. Hand: Greg. 3 frames.
0729	F 20v–3.	Introductory material concerning medicine, partly printed in <i>Medicina Hydrostatica, Works</i> , v. 506–7. Hands: Bacon, Greg. 4 frames.

Volume Folio
Frame No. Frame No.

MS 189 cont.

- 0733 F 24v-5 Draft for second declaration regarding the difficulty of publishing material due to theft of or damage to notes. Hand: Bacon. 3 frames.
(26 blank).
- 0736 F 27v-8. Methodological prescriptions for philosophers/naturalists. Hands: Bacon, Greg. 7 frames.
(28v-34 blank).
[End of section written from front.]
- 0743 F 34v-6. Notes on preserving bodies. Hand: Greg. 2 frames.
- 0745 F 36v-7. Note on role of "docimastick" or probatory experiments. Hand: Bacon. 1 frame.
- 0746 F 38v-9. Part of prefatory material to a natural philosophical treatise. Hand: Boyle. 2 frames.
- 0748 F 39v-40. List of phenomena. Hand: Greg. 1 frame.
- 0748 F 40-1. "Heads belonging to the Essay of the Discernm[en]t of Suppositions." Hand: Greg, title by Bacon. 3 frames.
- 0751 F 42v-3. Introductory material to *Experimenta et Observationes Physicae* (cf. *Works*, v. 567). Hand: Greg. 1 frame.
- 0752 F 44-6. Material on antidotes and concretions in animal bodies, etc. Hands: Greg, Bacon. 2 frames.
- 0754 F 46-7. Key to abbreviations. Hand: Greg. 3 frames.
- 0757 F 48v-9. Use of experimental to speculative philosophy. Hands: Greg, Bacon. 1 frame.
- 0758 F 50-1. Part of a discourse on sickness; perhaps part of a letter. Hand: Bacon. 7 frames.
(51v-7 blank).
- 0765 F 57v. "The french parliaments blasphemous Inscription." Hand: Greg. 1 frame.
[End of section written from front.]
- 0766 F 58v-61. Introduction to collection of medical recipes. Hand: Bacon. 3 frames.
- 0769 F 62. Verses on content of *Christian Virtuoso*. Hand: Boyle. 1 frame.
- 0770 F 63-4. Notes on types of experiments. Hands: Greg, Bacon. 3 frames.
- 0773 F 65v-6. Contents of *Experimenta et Observationes Physicae*, part 1. Hand: Bacon. 1 frame.
- 0774 F 67 Key to abbreviations. Hand: Greg. 8 frames.
(68-75 blank).
- 0782 F 76 Advertisement concerning state of ensuing collection. Hand: Greg. 2 frames.
(77 blank).
- 0784 F 78. "An Abstract of the Chymicall Accompt booke from a Little before November the 1st 1689" (title and one line only). Hand: Boyle. 1 frame.
- 0785 F 79. Introductory material on apologetic function of study of nature. Hand: Bacon. 2 frames.
- 0787 F 80v-1 Part of discourse on human mind and its excellency. Hand: Bacon. 3 frames.
(81v-94 blank.)
- 0800 F 94v-5 Notes on parable medicines. Hand: Bacon. 4 frames.
(96-8 blank.)
- 0804 F 98v-100. Man's appreciation of God's attributes: probably related to *Christian Virtuoso*. Hand: Bacon. 4 frames.
- 0808 F 101v-3. Notes on poisons and how to distinguish them. Hand: Bacon. 3 frames.
- 0811 F 104v Note of an address. Hand: Unknown. 2 frames.
(105 blank).
- 0813 F 106v-7 Reason for lack of detail in accompanying text. Hand: Bacon. 2 frames.
(108 blank).
- 0815 F 109-112. Text concerning relationship of ill-doing and lack of settled belief in God: probably for *Christian Virtuoso*. Hand: Bacon. 5 frames.

Volume Frame No.	Folio Frame No.	
0820	F 113v-4.	Verses on contents of fourteen subdivisions of Boyle's writings. Hand: Greg. 1 frame.
0821	F 115-6.	Introductory material for <i>Medicina Hydrostatica</i> . Hand: Bacon. 2 frames.
0823	F 117.	Role of experiments for naturalists. Hand: Boyle. 1 frame.
0824	F 118.	Introduction to collection of phenomena: evidently linked to "Strange Reports." Hand: Greg. 1 frame.
0825	F 118v-121.	Reasons for supplement to the previous treatise (Paralipomena). Hand: Bacon. 2 frames.
0827	F 121v-2.	Introduction to a discourse involving a "Philander" and a priest from a foreign country. Hand: Bacon. 1 frame.
0828	F 122v-3.	Introduction to description of weighing body in water by gravity. Hand: Bacon. 2 frames.
0830	F 124.	Note on addition of "Scholiums": for <i>Experimenta et Observationes Physicae</i> (cf. <i>Works</i> , v. 568-9). Hand: Greg. 1 frame.
0831	F 124v-5.	List of scientific phenomena and arguments in ensuing paper, and introductory paragraph. Hand: Greg. 1 frame.
0832	F 126-7.	Notes on poisons and antidotes. Hand: Smith. 3 frames.
0835	F 128v-9.	Reasons for repeating experiments. Hand: Boyle. 1 frame.
0836	F 130-1.	Introductory note to experimental treatise. Hand: Bacon. 2 frames.
0838	F 132 (132v-142 blank).	Notes on ambition. Hand: Bacon. 11 frames.
0849	F 143-4 (145 blank).	Draft of "Previous Hydrostatical Way of Estimating Ores," <i>Works</i> , v. 419f. Hands: Greg, Bacon. 3 frames.
0852	F 146-7.	Guide to abbreviations. Hand: Bacon. 2 frames.
0854	F 147v.	"A prefatory advertisement about severall of Mr. Boyles writings." Hand: Greg. 1 frame.
0854	F 148.	List of characteristics of air. Hand: Greg. 1 frame.
0855	F 149.	Criteria for experiments with human blood. Hand: Greg. 1 frame.
0856	F 149v-50.	Introductory material for <i>Experimenta et Observationes Physicae</i> (cf. <i>Works</i> , v. 567-8). Hand: Bacon. 2 frames.
0858	F 151v-2.	Notes on animal concretions. Hand: Greg. 1 frame.
0859	F 153.	List of categories of natural explanations. Hand: Greg. 1 frame.
0860	F 154.	Introductory material for discourse on air. Hand: Greg. 1 frame.
0861	F 155.	Preamble to collection of experiments on poisons and antidotes. Hand: Bacon. 2 frames.
0863	F 156v-7.	Part of discourse on inflammability. Hand: Bacon. 1 frame.
0864	F 157v.	Things to consider regarding (i) air; (ii) God's works. Hand: Greg. 1 frame.
0865	F 158v.	Note on a stunted growth, probably for "Strange Reports." Hand: Uncertain (pencil). 1 frame.
0865	F 159-161	Torn out, leaving stubs only. 3 frames.
0868	F 162.	"A Continuation of loose notes &c. most of them set down to recall to minde fuller passages referable to them from Jan[ua]ry 25th" (title only). Hand: Greg. 1 frame.
0869	F 163.	Part of dialogue on philosophy and right reason. Hand: Bacon. 1 frame.
0869	F 163-4.	Text of "Previous Hydrostatical Way" (cf. <i>Works</i> , v. 419f.) Hand: Bacon. 2 frames.
0871	F 165.	Note on weight of "hydrostatical jar." Hand: Greg. 1 frame.

Volume Folio
Frame No. Frame No.

Reel 16

0001 MS 190

(Modern binding; written parallel to spine; foliated; 176 folios)

- 0002 F 1X, 1–5. Miscellaneous memoranda, including addresses, references, calculations, notes on experiments and books, etc. Hands: Boyle, Greg, Smith, Bacon. 5 frames.
- 0007 F 6. Note about lacuna in printed text and a vacuum. Hand: Greg. 1 frame.
- 0008 F 7–8. Lists of names, page references in Glauber, and books sent by Mr. Frazer, 25 October 1688. Hand: Greg. 1 frame.
- 0009 F 8v. "Expts about cold." Hand: Greg. 1 frame.
- 0010 F 9v List of experiments to be carried out about viper-poison. Hand: Greg. 3 frames. 10–11 blank).
- 0013 F 12. List of addenda to tract "de Motu Languido." Hand: Greg. 1 frame.
- 0014 F 13–142. "Experiments to be done," dated from December 1684 to February 1690. Hands: mostly Greg, but interspersed by entries by Boyle and Smith. 130 frames.
[End of section written from front.]
- 0144 F 143–4. Table of dates and numbers of experiments [?], from February 1688 [1689] to February 1690. Hand: Greg. 2 frames.
- 0146 F 144v. Rates at which forfeited lands in Ireland sold to adventurers. Hand: Greg. 1 frame.
- 0146 F 145. Irish Bible: note on printing costs, etc., and on addresses. Hands: Uncertain, Boyle [?]. 1 frame.
- 0147 F 146–66. Weather observations entered in tabular form, dated December 1684 to January 1686. Hand: Greg. 22 frames.
- 0169 F 167–70. List of numbers of experiments done on different dates from Dec. 1684 to June 1688. Hand: Greg. 4 frames.
- 0173 F 171. Table of weights and list of experiments, July 1688 to January 1689. Hand: Greg. 1 frame.
- 0174 F 172. Brief weather notes for various dates between July and December of an unknown year; addresses. Hands: Greg, Smith, Boyle. 1 frame.
- 0175 F 173. Notes on the location of finds of tin and "gold hops" in Devon. Hand: Boyle. 1 frame.
- 0176 F 174. List of recipients of presentation copies of *Final Causes*, and calculation. Hand: Greg. 1 frame.
- 0177 F 175. List of numbers/calculation. Hand uncertain. 1 frame.
- 0178 F 176. Experimental notes, one dated "July the 26: [16]84." Hand: Boyle [?]. 2 frames.

0180 MS 191

(Modern binding; written parallel to spine; slightly erratically foliated; 130 folios; original tabs survive)

- 0181 F 1–2 List of Boyle's papers, 22 July 1688. Hand: Smith. 5 frames. (2v–8 blank).
- 0186 F 9–13. Introduction to discourse on acids and alkalis. Hand: Smith. 4 frames.
- 0190 F 14–15. Introductory material for theological work. Hand: Smith. 3 frames.
- 0193 F 15v–16. Part of discourse on sight; possibly related to "Vitiated Sight". Hand: Bacon. 1 frame.
- 0194 F 17–19 Section of text on final causes. Hand: Smith. 4 frames. (19 bis blank).
- 0198 F 20–2. Part of experimental discourse involving sparks produced from quicklime by spirit of salt. Hand: Smith. 3 frames.
- 0201 F 23–4. Text on phenomena of shining fishes and luminous sea. Hand: Smith. 2 frames.

Volume Frame No.	Folio Frame No.	
	0203 F 25.	Tiny fragment of discourse. Hand: Uncertain. 1 frame.
	0204 F 26–7.	Draft of part of preface to <i>Christian Virtuoso</i> (cf. <i>Works</i> , v. 541). Hand: Bacon. 2 frames.
	0206 F 28.	Brief note, evidently for letter draft. Hand: Greg. 1 frame.
	0207 F 28v–9 (30–90 blank).	Text related to <i>Christian Virtuoso</i> . Hand: Greg. 3 frames.
	0210 F 90v–1.	Note on use of distillation in testing medicines. Hand: Greg. 1 frame.
	0211 F 92 (92v–109 blank). [End of section written from front.]	Introduction to report of “some experiments or phaenomena supernaturall.” Hand: Greg. 2 frames.
	0213 F 110.	Part of introduction to work dealing with intervention of intelligent agent in world. Hand: Bacon. 1 frame.
	0213 F 110–16.	Material related to appendix to <i>Final Causes</i> . Hands: Bacon, Greg, Smith. 7 frames.
	0220 F 117–8.	Text concerning things above reason. Hand: Smith. 2 frames.
	0222 F 119–20.	Introduction to series of experiments. Hand: Smith. 3 frames.
	0225 F 121v–2.	Part of conclusion on principles of bodies. Hand: Smith. 1 frame.
	0226 F 123.	Text concerning things above reason. Hand: Smith. 1 frame.
	0227 F 124–6.	Stubs left of torn-out pages. 3 frames.
	0230 F 127v–9 (130 blank).	Parts of theological works dealing with role of human faculties and natural philosophy in comprehending God, etc. Hands: Uncertain, Greg, Bacon. 3 frames.
0233	MS 192	
	(Modern binding; partly paginated, partly foliated, sometimes written on both sides of page, sometimes only one; 170 folios/pages; imperfect numbering; ruled margin to pages; Boyle’s early hand throughout)	
	0234	First leaf: “New Catalogue No. 42.” 1 frame.
	0235 F 1–170.	MS of “The Ethical Elements”: Book 1, chs. 1–3; Book 2, chs. 1–3 (fols. 30f.); Book 3, false start followed by chs. 1–5 (fols. 74f). Various blank leaves. For the relationship of this MS with MS 195, see Harwood, <i>Essays and Ethics</i> , esp. lxviii. 152 frames.
0387	MS 193	
	(Modern binding; foliated; 16 folios; grey paper wrapper bound in, inscribed on verso “Robert Boyle Note-book” in pencil; nineteenth-century [?]. Hand uncertain)	
	0388 F 1–2.	Chemical recipes. 3 frames.
	0391 F 3–8.	Consecutive description of stages of “Cardans worke to Reduce the Rhenish [gold] into hungarian [gold].” 6 frames.
	0387 F 8v–10 (10v–16 blank).	Chemical recipes. 3 frames.
0400	MS 194	
	(Modern binding; foliated; 25 folios)	
	0401 F 1.	Nineteenth-century title (as in MS 193); key to abbreviations. Hand: Boyle. 1 frame.
	0402 F 2.	Two lists of code-words, one dated “From May 1668.” Hand: Boyle. 1 frame.

Volume Frame No.	Folio Frame No.	
	0660	F 230v–1v. Notes on fortification; unconnected to rest of text. Stub of removed leaf in (231–8 blank). between, evidently with further related text on verso. 3 frames.
0663	MS 196	
		(Modern binding; foliated; 71 folios; ruled margins; hand of early Boyle throughout)
		Theological discourses, written at similar date to MSS 192, 195. Incomplete. F 50–71 are damaged.
	0667	F 4–34. [Of Sin]. Published in Harwood, <i>Essays and Ethics</i> , 143–68. 38 frames. 34v–7 blank).
	0702	F 38–58 "Of Piety." Published in Harwood, <i>Essays and Ethics</i> , 169–83. 22 frames. (59 blank).
	0724	F 60–67 "Of Valour" (fols. 60–2 contain sections 1 and 2, but "Of Valour" recommences in a different version on fol. 63). 8 frames. (67v–71 blank).
0736	MS 197	
		(Modern binding; foliated; 43 folios; hand of early Boyle)
	0737	First leaf: "Sermon." 2 frames.
	0739	Untitled treatise giving instructions for pious meditation; published as "The Doctrine of Thinking" in Harwood, <i>Essays and Ethics</i> , 185–202. 41 frames.
0780	MS 198	
		(Modern binding; foliated; 148 folios)
	0781	F 1–8. Draft of part of <i>Notion of Nature</i> . Hand: Greg. 5 frames.
	0788	F 9 Introductory material for theological treatise: <i>Christian Virtuoso</i> [?]. Hand: (10 blank). Boyle. 1 frame.
	0790	F 11. Introductory material for <i>Experimenta et Observationes Physicae</i> and note on testing coins by dissolving them in "aqua fortis". Hands: Greg, B. 1 frame.
	0791	F 12. Note introducing recipe collection. Hand: Greg. 1 frame.
	0792	F 13. Notes on effect of eruption of Etna in 1670. Hand: Greg. 1 frame.
	0793	F 14–6. Experiments on quicksilver, specific gravity, role of air in causing ascension of water, etc. Hand: Greg. 1 frame.
	0796	F 17. Introduction to hydrostatical experiments. Hand: Greg. 1 frame.
	0797	F 18. Part of dialogue concerning metalline bodies and note on effect of vinuous spirit on "Anomalous Gold." Hand: Greg. 1 frame.
	0798	F 19–20. Draft of letter accompanying notes related to <i>Experimenta et Observationes Physicae</i> . Hand: Greg. 2 frames.
	0800	F 20v–1. Part of introduction to essay on effects of mechanical laws of motion. Hand: B.
	0801	F 22. Theology: brief note to addressee of tract and notes on miracles. Hand: Greg. 1 frame.
		[Stub of torn-out page between fols. 22 and 23, perhaps related to fol. 23.]
	0803	F 23. Introductory material to <i>Specific Medicines</i> and brief note on dissolving "Volatile Salt of HB" in distilled water. Hand: Greg. 1 frame.
	0804	F 24. Notes on discriminating false miracles. Hand: Bacon. 1 frame.
	0805	F 25–6. Experiments on mineral waters. Hand: Greg. 1 frame.
	0807	F 26v. Introduction to appendix on weight and spring of air. Hand: Greg. 1 frame.

Volume Folio
Frame No. Frame No.

MS 198 cont.

- 0808 F 27 Reasons for including some titles of supposedly minor import in the following
(28–56 “Scheme.” Hand: Greg. 14 frames.
blank).
F56v. Part of dialogue on transmutation of metals. Hand: Boyle [?]. 1 frame.
(57–65
blank).

[On folios 66–72, the folios are reversed. The researcher must go backwards from frame 0817 to frame 0810 to keep the actual sequence of folio numbers.]

- 0810 F 72–68. Text concerning phenomena of natural history illustrative of divine providence.
Hands: Greg, Boyle. [Documents are reversed.] 7 frames.
0817 F 67–66 Preface to *General History of Air*. Hand: Greg. [Documents are reversed.]
(73–91 2 frames.
blank).

[Between fols. 91 and 92 stub of torn-out page. Hand: Greg.]

[Folios 92–97 were filmed in reverse order. The researcher must go backwards from frame 0824 to frame 0819 to keep the actual sequence of folio numbers.]

- 0819 F 97–93v. Draft material for “Advantages of the Use of Simple Medicines.” Hand: Greg.
[Documents are reversed.] 5 frames.
0824 F 93–92 Draft material for “Insalubrity and Salubrity of Air.” Hand: Greg. [Documents
(98–102 are reversed.] 5 frames.
blank).

[From frame 0829 to 0875, folios were filmed in reverse order. The next folio, 103, can be found at frame 0875. Folio 105 can be found at 0873 and so forth.]

- 0829 F 145–144v. Heads of dialogue on transmutation of metals. Hand: A. [Documents are
(148–145v reversed.] 4 frames.
blank).
0833 F 143v. “A List of my Tracts Relating to the Hermetical Philosophy.” Hand: A.
[Documents are reversed.] 1 frame.
0834 F 143–142v. Notes on porousness of animal bodies. Hand: A. [Documents are reversed.]
2 frames.
0836 F 141v Opening to letter condemning “Christian” attack on virtues admired even among
(140 blank). pagans. Hand: Greg [?]. [Documents are reversed.] 1 frame.
0838 F 139–7 Relationship of miracles to laws of nature. Hand: Greg. [Documents are
(136–133 reversed.] 7 frames.
blank).
0840 F 136–133 [Documents are reversed.] 5 frames.
blank.
0845 F 132–125. Experiments on air-pressure. Hand: Greg. [Documents are reversed.] 8 frames.
0853 F 124–122. Experiments on tincturification; glass of antimony; rectified spirit of wine.
Hand: Greg. [Documents are reversed.] 2 frames.

[Between fols. 121 and 121 stub of torn-out page]

- 0855 F 122v. Text perhaps related to *Things above Reason*. Hand: Greg. [Documents are
reversed.] 1 frame.
0856 F 120v. How miracles serve God’s ends. Hand: Greg. [Documents are reversed.] 1 frame.
0857 F 119. Experiments concerning saltness of sea: beginning of text continued on fol.
112v. Hand: Greg. [Documents are reversed.] 1 frame.
0858 F 118–115v. Notes on experiments on suction in pipes, water-pressure, etc. Hand: Greg.
[Documents are reversed.] 5 frames.
0863 F 114–113. Draft material for *Final Causes*, and note on reasons for adding “Paralipomena”
to paper on natural history. Hand: Greg. [Documents are reversed.] 2 frames.

Volume Folio
Frame No. Frame No.

- 0865 F 112–108. Experiments regarding saltness of water, related to *Saltwater Sweeten'd* [starts in mid-sentence, continuing from fol. 119]. Hand: Greg. [Documents are reversed.] 4 frames.
[Between fols. 108 and 107 stub of torn-out page, perhaps linked to fol. 108. Hand: Greg.]
0869 F 107v. Draft of part of conclusion of *Porosity of Bodies*. Hand: Greg. [Documents are reversed.] 2 frames.
0871 F 107–106. Note on effect of effluvia in hindering disease. Hand: Greg. [Documents are reversed.] 2 frames.
0873 F 105–103. Experiments with icy and aerial noctiluca and observation on blood-letting. Hand: Greg. [Documents are reversed.] 2 frames.
0875 F 103. Introductory material to *General History of Air*. Hand: Greg. [Documents are reversed.] 2 frames.

0877

MS 199

(Modern binding; foliated; 155 folios)

- 0880 F 3–4 Notes on insalubrity of air. Hand: A. 3 frames.
(4v–5 blank).
0883 F 6–7v. Passage concerning efficacy of receipts. Hands: B, Greg. 3 frames.
0885 F 8. Note on objections to explanation of Torricellian phenomena. Hand: Greg. 1 frame.
0886 F 9 Introduction to additional collection of hydrostatical experiments. Hand: Greg. 2 frames.
(10 blank).
0888 F 11–15. Notes on barometric experiments. Hand: Greg. 5 frames.
0892 F 16–17. Draft material, evidently for *Final Causes*. Hand: Greg. 3 frames.
0895 F 17v–18. Further notes on barometric experiments (continuing from bottom of fol. 15v). Hand: Greg. 1 frame.
0896 F 18v–19. Notes on precipitations, mineral preparations, etc. Hand: Greg. 1 frame.
0897 F 20–2 Experiments and notes on the spring of the air. Hand: Greg. 4 frames.
(23 blank).
0901 F 24. “Subterranean Effluvia” as cause of epidemic diseases. Hand: Greg. 1 frame.
0902 F 25–9 Part of dialogue on transmutation. Hands: Uncertain, Greg. 6 frames.
(30 blank).
0908 F 31 Introductory material for *Natural History of Human Blood*. Hand: Uncertain. 2 frames.
0909 F 32–7. Introductory material for recipe collection. Hand: Greg. 6 frames.
0915 F 38–43. Draft material for *Porosity of Bodies*. Hand: Greg. 5 frames.
0920 F 44 “The summary of my opinion about the receiv'd method & practis[e] o[f] Phisick.” Hand: Uncertain. 2 frames.
(45 blank).
0922 F 46–55 Part of dialogue on transmutation. Hand: Uncertain. 15 frames.
(56–76 blank).
[End of section written from front]

[Folios 77 through 155 were filmed in reverse order.]

- 0936 F 151 Prescription for writing history of a disease, and note. Hand: B. 4 frames.
(152–155 blank).
0937 F 147v–50. Draft material for *Notion of Nature*, concerning functioning of human body. Hand: Greg. 3 frames.
0940 F 147. List of interlocutors in dialogue on transmutation. Hand: Greg. 1 frame.
0941 F 146. Report by Duke of York concerning ague in Scotland. Hand: Greg. 1 frame.
[Between fols. 145 and 146 stub of torn-out page, probably belonging with fol. 145. Hand B [?].]

Volume Folio
Frame No. Frame No.

MS 199 cont.

- 0942 F 145. Notes on miracles. Hand: B. 1 frame.
 0943 F 144. Note on strange change of colour in New England pond. Hand: Greg. 1 frame.
 0944 F 143. Note on ordering of ensuing text. Hand: Greg. 1 frame.
 0945 F 139–42. Draft of part of text of "Insalubrity and Salubrity of Air." Hand: Greg. 4 frames.
 0948 F 137v–8. Notes on miracles and the natural order (cf. BP 7, fol. 117). Hand: Greg, with adds. by B. 2 frames.
 0949 F 134–6 Notes on barometric observation and on amalgamating gold. 2 frames.
 (137 blank).
 0953 F 132v–3. Notes on heat and cold in air. Hand: Greg. 2 frames.
 0955 F 129v–32. Text relating to *Final Causes*, interspersed by part of letter about loss of Boyle's *materia medica*. Hand: Greg. 2 frames.
 0958 F 129. Headings for essay on gall. Hand: Greg. 1 frame.
 0959 F 127–8. Advertisement to second part of *Natural History of Human Blood*. Hand: Greg. 2 frames.
 0961 F 124v–6. Notes on miracles and the natural order. Hand: Greg. 2 frames.
 0963 F 123v–4. Text relating to *Final Causes*. Hand: Greg. 1 frame.
 0964 F 122. Characteristics of mineral waters. Hand: Greg. 1 frame.
 [Stubs of two torn-out pages between fols. 121 and 122.]
 0965 F 121. Part of dialogue on reason and religion. Hand: Greg. 1 frame.
 0966 F 120. Note on weight of "oculus mundi" (incomplete). Hand: Greg. 1 frame.
 0967 F 114v–120v. Prefatory material to medical work. Hand: Greg. 5 frames.
 0973 F 77 Draft prefatory material for "Insalubrity and Salubrity of Air." Hand: Uncertain.
 (78–113 1 frame.
 blank).

0976

MS 200

(Modern binding, with marbled paper cover bound in; foliated; 16 folios. Hand: Henry Hunt [?]
 (cf. fol. 1))

- 0978 F 1–10. List of minerals in Boyle's collection in alphabetical order. 10 frames.
 0988 F 10v–16 5 frames.
 blank.

Collections from the Royal Society

Book Catalogue of the Library of the Royal Society

Council Minutes, 1660–1800

The Early Letters and Classified Papers, 1660–1740

Journal Books of Scientific Meetings, 1660–1800

Letters and Papers of Robert Boyle

Letters and Papers of Sir John Herschel

Miscellaneous Manuscripts