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ROBERT BOYLE (1627-1691): THE (1627-1691): THE ITALIAN CONNECTIONS PART 2. HOW ITALY AND OTHER PARTS OF EUROPE ACQUIRED KNOWLEDGE ABOUT ROBERT BOYLE AND HIS WORKS

The means by which scholars in Italy and in other parts of Europe acquired knowledge about Robert Boyle's work and publications is outlined. Tables here reported in the appendix provide the locations in Boyle's Works and Correspondence of references to Italian scholar's activities and citations of their texts, locations, sights and events in Italy.

cholars in Italy and other parts of Europe acquired knowledge of Boyle from: (a) meetings during his travels, (b) his correspondents in Europe, (c) his visitors from Europe and those who had travelled in Europe, (d) the European imprints of his books, (e) copies of his works in private and public European libraries and (f) incorporation of translations of sections of Boyle's books in encyclopaedias.

Meetings during his travels

Although Boyle's record of his Grand Tour contained details of the sights seen, his studies and recreations he did not record the names of any of the persons he met. He mentioned on the journey from Paris to Lyon they had the company of two Polonian Princes, that in Florence, "this famous Galileo dy'd within a league of it" and he met with Jewish Rabbins and learnt of their faith. In Rome he saw the Pope at Chapell and procured copies of his Latin & Tuscan poems. Some others, mainly English, were recorded by Marcombes in his letters to the Earl of Cork as noted by Maddison [4(a)].

On his visit to the Netherlands it is recorded that at Amsterdam he met Menassah ben Israel, "the Greatest Rabbi of this Age" whom he mentioned several times in his *Works* [15]. As noted above, Boyle had earlier, in Florence, met with Jews to learn more about their religion.

Correspondents in and from Europe

The correspondents who mentioned items informing Boyle about Italy and its scholarship has been listed in Part 1.

Visitors from Europe and those who had travelled in Europe

The various visitors from Europe discussed in Part 1, no doubt discussed Boyle with others upon their return home, as would Boyle's British acquaintances on their travels in Europe. Count Lorenzo Magalotti is regarded by the authors as one of Boyle's most significant Italian visitors, in view of the close personal relationship that developed. Any additional information to that given in Part 1 would be most welcome.

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| Town and Library | Total items | Swi | itzerland | Netherlands | Italy | Germany | England |
|-------------------------------|----------------|------------|--------------------|---|----------|----------|--|
| | items | De Tournes | | a) Commelium, | Hertz, | Hechten, | a) Smith, |
| | | | | Amstelodami | Venetiis | Lindaviæ | Londini |
| | | Genevæ | Coloniæ Allobrogvm | b) Elzezirium, Amstelodami c) Leers, Roterodami d) Lopez, Ludg. Batav. e) Schagen, Amstelodami f) Janssonium Amstelodami | | | b) Godbid, Londini c) Herringman Londini d) Hall Oxford |
| Bologna, University | 36 | 26 | 6 | 2b | 2 | | |
| Padua, University | 33 | 17 | 8 | 1a + 1b + 2c +1d +1e | 1 | 1 | 1 (a) |
| Rome, | | | | | | | |
| La Sapienza Alessandrina | 7 10 | 2 | 1 10 | 1b + 2c | 1 | | |
| Vatican | 21 | 10 | | 1b + 2c | 1 | | 2a + 3b +2c |
| Turin, University | 5 | 5 | | | | | |
| Florence, Bib. Naz. Centr. | 70 | 26 | 24 | 1a + 1b + 4c + 1f | 1 | | 2a + 1b + 3c + 6d |



European Imprints of his Books

During Boyle's lifetime Latin editions of his publications were produced piecemeal in England or in the Netherlands prior to the more systematic approach made by de Tournes [64]. De Tournes of Geneva was a major printer/bookseller and it was probably due to the problem of erratic supplies that de Tournes produced his editions of Boyle's and other authors' works. Much information about Boyle's problems with, on views on, the Dutch booksellers is available in Boyle's correspondence with Henry Oldenburg [32, 64]. The importance to scholars on mainland Europe, hence to the continental book trade can be judged from the fact that 25 out of 30 Boyle's natural philosophical or scientific works appeared in continental Latin editions and of these 3 are also in other languages. Of his other works, religious, moralistic or utopian, only 4 of the 10 have Latin editions and 3 appear in other languages. The relative proportions of his scientific works to the other works in Latin reflect Boyle's status as one of the major contributors to the then new experimental approach to science.

Copies of his works in European libraries

In addition to the listing of copies of books, in overseas locations (mainly in America, only Copenhagen, Paris and Uppsala in Europe), written by Boyle listed in Fulton's bibliography [12] the holdings in Dutch Libraries and in Moscow have since been documented [65, 66]. Twenty three items by Boyle were listed from all the Dutch Libraries (comprising 20 individual books in Latin, 1 in German, 1 in Dutch; 2 sets of Works in Latin and 1 set of Theological in German) and twenty eight (comprising 27 individual books in Latin and 1 set of Works in Latin)in the Academy of Sciences Library, Moscow. Searches of the on-line catalogues of some of the older Italian Universities and of the "Internet Culturale", in the "Ricerca Bibliografica", at the "Schede bibliografiche complete" has revealed the presence of 147 individual item entries for early copies of Boyle's individual works and compilations, spread over Universities, National Central, local and specialised collections such as those at the Vatican. Copies of some

items are held at more than 10 locations. The majority of copies are in Latin, mainly but not exclusively reprints by Samuel de Tournes in Geneva although a significant number have the *Coloniæ Allogbrogvm* not the *Genevæ* imprint (26% of the holdings summarised in Fig. 2). Most of the de Tournes editions of Boyle appear in two versions; these

| Tab. 1 - References to Italian items in Sceptical Chemist (1661) [17] | | | | |
|---|--------------------------|--|--|--|
| Topics | Works [15], Vol. 2, page | | | |
| Calcin'd Venetian Talck | 226 | | | |
| Sala's Aphorismes affirmes | 263 | | | |
| Venetian Talk | 280 | | | |
| Angelus Sala in his Spagyrical account | 282 | | | |
| Libavius though he find great fault | 315 | | | |
| Venetian Talck, compar'd with ashes | 324 | | | |
| Baptista Porta, on tails of gloworms | 341 | | | |
| P. Fallopius notes, re iron | 348 | | | |
| Learned Cesalpinus, re iron | 348 | | | |

Duke of Florence, re iron

Venetian Talck in no less heat...

Lucretius himself...

Tab. 2 - References to Italian items in Experimental History of Colours (1664) [18]

| Topics | Works [15], Vol. 4, page |
|--|--------------------------|
| Senneca, re earthquakes | 9 |
| Epiphanius Ferdinandus, re Tarantula bite | 32 |
| Dr. J. Finch, Extraordinary Anatomist to that Great Patron of the Virtuosi, the now Great Duke of Tuscany | 40 |
| Chief rarityout of Italy | 40 |
| Learned Men in France and Italy | 78 |
| Some parts of Sicily | 86 |
| Ref. and long quote from Kircherus {Art. Mag.} re Lignum Nephriticum | 109, 110 |
| Italian Painters,Counterfeit Ultra-marine Azure An Italian bookpreparingLacca | 127 |
| Neri's Art of Glass | 176 |
| Bolonian stone | 177 |
| Reference to Cellini {Arte Gioiellare} | 188 |
| Antonio Neri in his ingenious Arte Vetaria teaches it | 192, 195 |

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are identical except for the town given as origin. The reason for the two versions was purely commercial. Due to the position at the time a Geneva imprint was regarded as a sign of heretical literature in Catholic Countries, hence as such could not be easily imported into them [64]. The locations and publishers of the various copies in Bologna, Padua, Rome, Florence and Turin, summarised in Fig. 2, are given to indicate the nature of some of the holdings. If it can be assumed, in the absence of acquisition dates, that the early copies in

| Tab. 3 - Reference to Italian items in Producibleness of Chymical Principles (1680), subjoyn'd to The Sceptical Chymist [19] | | | | |
|---|--------------------------|--|--|--|
| Topics | Works [15], Vol. 9, page | | | |
| Bolonian Stone | 27 | | | |
| In some parts of Italyvitriol | 72 | | | |
| Angelus Sala and divers other eminent chymists | 81 | | | |
| Angelus Sala himselfe in his Anatomy of Antimony | 81 | | | |
| Cugali (as the Venetian Glassmen call their Pebbles) | 114 | | | |

| Tab. 4 - References to the Bolonian Stone in Works [15] | | | | |
|--|--------------------------|--|--|--|
| Short title of text | Works [15], volume, page | | | |
| Experimental History of Colours | 4, 188 | | | |
| Phil. Trans. 2, (1668) | 6, 10 | | | |
| Cosmicall Qualities | 6, 299 | | | |
| Usefulness of Experimental Philosophy (Tom. II) | 6, 533 | | | |
| Hidden Qualities of the Air | 8, 135 | | | |
| Phil. Trans. 10, (1676) | 8, 563 | | | |
| Producibleness of ChymicalPrinciples subjoyn'd to The Sceptical Chymist | 9, 27 | | | |
| Aerial Noctiluca | 9, 269, 270, 290 | | | |
| Lectures and Collections | 9, 446 | | | |
| Vulgarly Reciev'd Notion of Nature | 10, 482 | | | |

| Tab. 5 - References to Bolonian Stone in Boyle's unpublished writings | | | |
|---|------------|--|--|
| Title Works [15], volume, pag | | | |
| Mechanica Productione Lucis | 14, 16, 17 | | |
| Superfical pores of bodys' | 14, 98 | | |
| Dialogues on the Limitations of Human Reason | 14, 272 | | |

Tab. 6 - References to Galileo in Works [15]

| Boyle's Text | Works [15], volume, page |
|---|---|
| Seraphick Love | 1, 88 |
| Spring and Weight of Air | 1, 260 |
| Certain Physiological Essays | 2, 15 |
| Defence against Linus | 3, 11 |
| Defence against Hobbes | 3, 165 |
| Hydrostatical Paradoxes | 5, 194 |
| Spring and Weight of Air (1st Continuation) | 6, 158 |
| Usefulness of Experimental Philosophy (Tom. 11) | 6, 399, 422, 447, 459, 491, 493, 511, 512, 516, 517, 518 |
| Excellency of Theology | 8, 74, 90 |
| Possibility of the Resurrection | 8, 249, 250, 293 |
| Vulgarly Reciev'd Notion of Nature | 10, 481 |
| The Christian Virtuoso | 11, 339 |
| The Christian Virtuoso,Part II | 12, 434, 439 |
| Diversity of Religions | 14, 258 |

Tab. 7 - References to Italy and Italian items in The Correspondence of Robert Boyle [16]

| Date | Author | Торіс | Correspondence [16], volume, page |
|-----------------------------|----------------------|--|--------------------------------------|
| 12 Sept. 1657 (from France) | Henry Oldenburg | Making use of an Italian to teach practical geometry and fortification | 1, 239 |
| 7/17 May 1659 | Henry Oldenburg | Re climate in Italy | 1, 348 |
| 19 Mar. 1658 | Henry Oldenburg | Refers to an author hath been a viewer of Vesuvius and earthquake in 1638 | 1, 257 |
| c. 18 Jul. 1663 | Robert Hooke | R. Pope is going to Italywill be glad to be charged with inquiries by you | 2, 103 |
| 9 Nov. 1663 | John Beale | Of Sheep, the rules of the old writers of Italy | 2, 179, 183, 189 |
| 21 Nov. 1663 | John Beale | Of Sheep | 2, 209 |
| 14 Dec. 1663 | John Beale | The Italians, as the best Exemplars of Elegancy (cuisine) | 2, 222, 231 |
| 11 Jan. 1664 | John Beale | Wish Virtuosi of Italy agree with us some Academic Standard | 2, 240 |
| 4 Nov. 1664 | Henry Oldenburg | Coyne passage in Italy | 2, 415 |
| 6 Aug. 1665 | Boyle to Oldenburg | Re Count Ubaldini | 2, 504, 505 |
| 14 Jun. 1665 | Boyle to Oldenburg | Plant in Italy named Galegais of wonderful Efficacy against biting & stings | 2, 479 |
| 8 Sep. 1665 | Boyle to Oldenburg | Discussion re burning glasses in Italy | 2, 523 |
| 11 Oct. 1665 | John Beale | Palladius re lands in Italy | 2, 553 |
| 8 Jun. 1666 | Henry Oldenburg | Venetian Ambassador sent me a Paper (for the Society) published in Italy by Sig. Cassini, observations with Campani's Glasses | 3, 168 |
| 16 Oct. 1666 | Henry Oldenburg | News from Italy, the Pope is in a departing condition | 3, 254 |
| 1 Oct. 1667 | Henry Oldenburg | Sept. Transactions will contain experiments from Italy on Injections into Vines French King and Italy | 3, 345, 346 |
| 27 July 1668 | Henry Oldenburg | Mention of Prince Cesi to have Academies in Italy, Germany | 4, 85, 86 |
| [Spring, 1672] | Lorenzo Magalotti | The baths of Italy | 4, 270 |
| 12/22 Aug. 1673 | Nicholas Oudart | before return to Italy, tells of publications | 4, 358 |
| 10 Sept. 1675 | Heneage Finch | discussion of weather in Italy | 4, 397 |
| 14/24 Dec. 1677 | Du Mesnillet | The powder was sent to Mr du Moulin at the time he was in Italy | 4, 478 |
| 25 Oct. 1684 | Gottfried Sonnenberg | Alchemical information, Thurnheusser died in Italy | 5, 81 |
| 28 Jul. 1687 | Thomas Barlow | Religious sects in Italy | 6, 227 |
| 9 Sept. 1688 | John Harrison | wines and olives in various parts of Italy | 6, 268 |

the current holdings were obtained soon after their publication the high numbers fit in well with the attitude displayed by members of the *Accademia del Cimento* to the work of Boyle and his contemporaries in the Royal Society in London.

Incorporation of translations of sections Boyle's books in encyclopaedia

A considerable number of previously unrecorded citations and versions of Robert Boyle's publications have recently been located [67] in

a composite set of *Kabinet der Natuurlyke Historien, Wetenschappen, Konsten en Handwerken* edited by Willem van Ranouw [68]. The Boyle materials in *Kabinet* were not noted by Fulton or by the editors of *The Works of Robert Boyle* (1999-2000) [15] who often update Fulton [12] where appropriate. The items have been correlated with the original items as given in *Works*. The focus of the material in *Kabinet* is on Boyle's work on gases, pharmaceutical and medical items, and a result of the editor's particular interests in barometric air-pressure measurements and professional training.

| Tab. 8 - References to Bologna, Bonoma in The Correspondence of Robert Boyle [16] | | | | | |
|---|---|--|--------------------------------------|--|--|
| Date | Author | Торіс | Correspondence [16], volume, page | | |
| 1 Dec. 1659 | John Evelyn | Lapis Illuminabilis Boulognia | 1, 395 | | |
| 10 Oct. 1660 | Robert Southwell (from Rome) | Bologna stone, Vivani's books, Aldrovandus's cabinet | 1, 430 | | |
| 13 Oct. 1664 | Henry Oldenburg | Observations of Cassini with new glasses of Campani | 2, 351 | | |
| 12 Aug. 1665 | Robert Boyle to Oldenburg | Magnius burning mirror | 2, 511 | | |
| 14 Apr. 1668 | Henry Oldenburg | Comet seen at Bononia by Dom Cassini | 4, 67 | | |
| 17 Jan. 1678 | Georges Pierre (from Caen) | Lapis Philosophorum, Gaspard Cassati | 5, 10, 11 | | |
| 14 Feb. 1678 | The Asterism (from Herigo) | Giovanni Battista Baldi | 5, 40 | | |
| 24 Mar. 1683 | Etienne Polier (from Paris) | Pierre de Bologne | 5, 396 | | |
| 10 Mar. 1686 | Luigi Ferdinando Marsigli (from Vienna) | Phosphori Boloniensis | 6, 169 | | |
| 9 Sep. 1688 | John Harrison | Wines of Bologna and Padua, fruits about Florence | 6, 268 | | |
| 19 Oct. 1685 | John Beale to Houghton passed to Boyle | Bolonian stone | 6, 448 | | |

Tab. 9 - References to Florence in The Correspondence of Robert Boyle [16]

| Date | Author | Торіс | Correspondence [16], volume, page |
|--------------------|---|--|--------------------------------------|
| 10 Oct. 1660 | Robert Southwell (from Florence) | Re virtuosi, Grand Duke and Prince Leopold, Bologna Stones | 1, 428-431 |
| 6 Oct. 1660 | Vincenzo Vivani to Southwell passed to Boyle | Accademia del Cimento, Prince Leopold | 1, 431-434 |
| 30 Mar. 1661 | Robert Southwell (from Rome) | Grand Duke, botanical observations re flowers in Florence | 1, 451-453 |
| Prior to Sep. 1661 | [Southwell] | Prince Leopold, long telescope | 1, 457-460 |
| 24 Nov. 1664 | Henry Oldenburg | Account of Florentin Experiments | 2, 414 |
| 31 Oct. 1665 | Henry Oldenburg | Prince Cesi, Francesco Redi, Accademia [Lincei] | 2, 570, 571 |
| 5 Dec. 1665 | Henry Oldenburg | Experiments in Florence on salts | 2, 594, 595 |
| 19 Dec. 1665 | Henry Oldenburg | Campani's glasses tried at Florence | 2, 604 |
| 24 Mar. 1666 | Henry Oldenburg | Trials of Congelation at Florence | 3, 126 |
| 8 Jun. 1666 | Henry Oldenburg | Notable observations of Cassini | 3, 168 |
| 24 Sep. 1667 | Henry Oldenburg | Steno's book dedicated to the Great Duke of Tuscany | 3, 342 |
| 15 Oct. 1667 | Henry Oldenburg | Will write and send a book to Florence for Prince Leopold | 3, 355 |
| 12 Nov. 1667 | Henry Oldenburg | Florentine experiments soon to be published | 3, 363 |
| 24 Dec. 1667 | Henry Oldenburg | Florentine experiments published but not yet sent abroad | 3, 383 |
| 29 Dec. 1667 | Henry Oldenburg | Florentine experiments (Saggi di naturali esperienze) now published | 3, 387, 388 |
| 28 Jan. 1668 | Henry Oldenburg | Been promised a copy of the Florentine Experiments | 4, 18 |
| 1 Feb. 1668 | Henry Oldenburg | Glad Florentine Experiments are at last come out, and likely shortly to be in your hands | 4, 19 |
| 6 Feb. 1667/8 | Sir John Finch (from Florence) | Cardinal Leopold sends book to Boyle | 4, 24, 25 |
| 11 Feb. 1667 | Henry Oldenburg | Sig. Magolotti arrived from Florence, Cardinal Leopold sending copy of "Experiments" to Royal Society | 4, 28 |
| 18 Feb. 1667/8 | Henry Oldenburg | Florentins Virtuosi are come, but not yet their book of Experiments | 4, 31 |
| 21 Feb. 1667/8 | Henry Oldenburg | Not in London to converse with your Italian virtuosi, Florentine Experiments | 4, 33 |
| 10 Mar. 1668 | Henry Oldenburg | Re Boyle's entertainment of the Italian virtuosi, Martyns binds the Book of Florentine Experiments Prince Leopold to be presented to the R. Society, gives list of contents | 4, 43 |
| 17 Mar. 1668 | Henry Oldenburg | At last meeting, the Florentins presented the Book of their Experiments | 4, 46 |
| 24 Mar. 1668 | Henry Oldenburg | Noted R. S. had been given a brief account of the Florentin Experiments, an Italian Journal des Scavans or Phil. Trans. now published | 4, 49 |
| Spring 1672 | Lorenzo Magalotti | Re Boyle's gift of books, religious matters | 4, 262-314 |
| 9 Sept. 1668 | John Harrison | Fruits exquisite about Florence | 6, 268 |

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Conclusions

The causes behind Boyle's interest in and high regard for many Italian matters, and the converse, the interest and high regard in which Boyle was held by many of his contemporary Italian intellectuals have been shown to be multifaceted. This interest and high regard originated during his "Grand Tour" and to a large extent were sustained, mid to late in life, via contacts and activities which revolved round the Royal Society,

its members [1], its Secretary, Henry Oldenburg and their visitors from Europe. The European imprints of his works spread the knowledge of Boyle's scientific and religious and moralistic studies widely across Europe. The quite large collections of Boyle's both the original works and in translation are to be found in some Italian Libraries demonstrate the keen interest shown by scholars in Italy, contemporary to Boyle.

Tab. 10 - References to Padua in The Correspondence of Robert Boyle [16] Correspondence Date Author Topic [16], volume, page 1, 388, 389 26 Nov. 1659 Samuel Hartlib Anatomists at Padua have an invention, a liquor to eat inner parts of a man's body 25 Aug. 1664 **Robert Hooke** Torricelli experiment, prodigious storm between Venice and Padua 2, 304 12 May 1667 Beniamin Denham Boyle fame at Rome and Padova 3.314 22 Aug. 1668 Carlo Rinaldini (from Padua) Illustrated letter on experiments with a Torricelli tube 4.91-95 25 Jun. 1671 Daniel des Fontaines (from Dublin) Just received my Doctorate from Padua 4,212 16 Mar. 1686 Giacomo Viscado (from Venice) Been made Professor of Medicine in the University of Padua 6, 173 9 Sept. 1688 Wines of Padua 6, 268 John Harrison

Tab. 11 - References to Rome in The Correspondence of Robert Boyle [16]

| Date | Author | Торіс | Correspondence [16], volume, page | |
|-----------------|--|--|--------------------------------------|--|
| 14 Sep. 1655 | [Boyle] to [Hartlib] | Reference to Pliny, Nat. Hist. | 1, 192 | |
| 30 Apr. 1659 | Hartlib to Boyle | Theological matters and Rome | 1, 346 | |
| 10 Oct. 1660 | Robert Southwell | Going to Rome | 1, 428 | |
| 30 Mar. 1661 | Robert Southwell (from Rome) | Father Kircher is my particular friend | 1, 451 | |
| 7 Dec. 1663 | John Beale | the dainty dish of old Romans | 2, 222 | |
| 18 Jan. 1664 | John Beale | Roman measures, wish Virtuosi of Italy, France & Germany would agree with us some Academic Standard | 2, 240 | |
| 1 Sep. 1664 | Henry Oldenburg | Re observations of Saturn at Rome | 2, 312 | |
| 29 Sep. 1664 | Henry Oldenburg | Casti's experiment on Liquor of Bismutum, 4 belts in Jupiter | 2, 335 | |
| 6 Oct. 1664 | Henry Oldenburg | Re Turkish Dictionary, already done in Rome | 2, 347 | |
| 13 Oct. 1664 | Henry Oldenburg | Cassini's observations with new glasses of Campani, re a long pregnancy | 2, 351 | |
| 16 Jun. 1665 | Henry Oldenburg | Comet also seen in Rome | 2, 483 | |
| 10 Aug. 1665 | Henry Oldenburg | Ubaldini to give good account of Roman affairs, news of the Pope | 2, 507 | |
| 12 Aug. 1665 | Boyle to Oldenburg | Re large burning mirrors at Rome | 2, 511 | |
| 8 Sep. 1665 | Boyle to Oldenburg | Expects to learn size of concaves in Italy from persons lately from Rome | 2, 523 | |
| 24 Sep. 1665 | Boyle to Oldenburg | Gentlemen from Rome called, when they return hopes to get the great Concave size, an Italian Count is attempting to translate History of Cold | 2, 534 | |
| 31 Oct. 1665 | Henry Oldenburg | Cesi head of the Academie [Lincei], Redi on Vipere | 2, 571 | |
| 24 Feb. 1666/7 | Henry Oldenburg | Refers to Campani at Rome | 3, 81 | |
| 14 Oct. [1666] | Henry Oldenburg | Regu[la]tions of Rome, as to set prizes of virtuals | 3, 254 | |
| 12 May 1667 | Benjamin Denham (from Constantinople) | Boyle's books arrived to me at Constantinople, Rome and Padova | 3, 314 | |
| 24 Mar. 1667/8 | Henry Oldenburg | Re Italian Journal, II Giornale De Letterati, gives contents | 4, 49, 50 | |
| 30 Mar. 1668 | Henry Oldenburg | Re correspondence with Rome | 4, 52 | |
| 3 Apr. 1668 | Boyle to Oldenburg | Correspondence with Rome, that being the chief centre of intelligence | 4, 57 | |
| 27 Jul. 1668 | Henry Oldenburg | Information from Fogel in Hamborough re Prince Cesi's Academia | 4, 85 | |
| 23 Apr. 1670 | Thomas Coxe (from Rome) | Father Kercher, Marchese d'Olivala Malespina and Sig. Carlo Mancini speak of you, your treatises and experiments. Information re election of Pope | 4, 173 | |
| 10 Jul. 1674 | Henry Oldenburg | Auzout writes from Rome re effect of "la veglia" on a criminal | 4, 385 | |
| 11/21 Apr. 1678 | Pierre | Have Cardinal Honnart [?] collect your money in Rome | 5, 75 | |
| 8 Jul. 1682 | John Beale | Beyond the Excesses of Rome{in Apparel, Liquors or drinks} | 5, 309 | |
| 26 Aug. 1682 | Thomas Barlow | Dispute between Louis XIV and the Pope | 5, 330 | |
| 9 Sep. 1688 | John Harrison | Vines about Rome, Bologna, Ferrara and Padua | 6, 268 | |

| Date | Author | Торіс | Correspondence [16], volume, page |
|-----------------|---|---|--------------------------------------|
| 29 Nov. 1659 | Samuel Hartlib | Lens and mirror manufacture, difficulty of getting good stuff, and at Venice they degenerate very much in that art | 1, 392, 393 |
| 28 Sep. 1663 | John Beale | A Venice glassesmay last as long as a strong Mazor chalice | 2, 127 |
| 2 Nov. 1663 | John Beale | Broke a Venice-glasses, with his hand | 2, 160 |
| 25 Aug. 1664 | Robert Hooke | Prodigious storm in Italy, between Venice and Padua | 2, 304 |
| 24 Feb. 1665/6 | Henry Oldenburg | Burattini makes Looking-glasses 2 or 3 times greater than those of Venice | 3, 81 |
| 23 Apr. 1670 | Thomas Coxe | Refers to having written previously from Venice. Father Kercher often mentions Boyle | 4, 172 |
| 14/24 Dec.1667 | Du Mesnillett | Transported to Venice, Gaspar Cassati to pay 200 gold coins for the merchandise | 4, 477 |
| 17 Jan. 1678 | Georges Pierre (from Caen) | Refers to alchemical work of a rabbi in Venice | 5, 11 |
| 14/24 Mar. 1678 | [Pierre] | Cassati, the banker at St. Mark's Square in Venice | 5, 56 |
| 1/11 Apr. 1678 | Pierre | Not Cassatti's fault he has not paid | 5, 64 |
| 7/17 May 1678 | Pierre | Couriers leave every week from Paris to Venice | 5, 87 |
| 25 Oct. 1684 | Gottfried von Sonnenberg (from Frankfurt) | Benedictine Monastery at Verona under the sway of Venice, received the young man and set him to work on chemistry | 6, 75 |
| 16 Mar. 1686 | Giacomo Viscardo | Refers to Ambrogio Sarotti (who established a scientific academy in Venice) | 6, 173 |
| 15 Nov. 1688 | Patrick Adair | some what like Venice-Talc | 6, 277 |
| 1 Feb. 1681 | John Beale to John Houghton, passed to Boyle | After thunder, none buy shellfish in Venice | 6, 448, 449 |

Tab. 13 - References to Atthanasius Kircher and his Books in The Correspondence of Robert Boyle [16]

| Date | Author | Торіс | Correspondence [16], volume, page |
|--------------------|--|---|--------------------------------------|
| 30 Mar. 1661 | Robert Southwell | Sends news of Father Kircher | 1, 451,452 |
| 19 Mar. 1658 | Henry Oldenburg | News of the Industrious Kircher Subterraneous World | 1, 256 |
| 1 Jul. 1664 | Robert Hooke | Critical of Ars Combinatoria | 2, 292 |
| 25 Aug. 1664 | Henry Oldenburg | Kircher Mundus Subterraneous advanced into lib. 12 and will be finished in 6 weeks | 2, 300 |
| 18 Sep. 1665 | Henry Oldenburg | Mundus Subterraneus has come over, price will amount to 50 shillings at least, and yet for one volume. Kircher has published a Scrutinium Physico-medicum Pestis which I never saw before | 2, 533 |
| 24 Sep. 1665 | Boyle to Oldenburg | The Gentlemen I mentioned were at Rome and were with Kerker. Thanks for the Advertisement you give me of Kircher Mundus Subterraneus | 2, 534, 536 |
| 28 Sep. 1665 | Henry Oldenburg | Turning over part of Kircher Mundus Subterraneous the other day at Mr. Thompsons (who will keep an Exemplar of it for you) | 2, 539 |
| 10 Oct. 1665 | Henry Oldenburg | Discussion of sound in Kircher Mundus Subterraneus | 2, 548 |
| 11 Nov. 1665 | Boyle to Oldenburg | Not yet read Kircher New Book. Was examining the Experiment of Kircher concering tides | 2, 581, 582 |
| 18 Nov. 1665 | Boyle to Oldenburg | Experiment about Salt & Nitrous water, as Kircher promises did not succeed (probably in Mundus Subterraneus) . Refers to Ars Magnetica published 20 or 30 years ago | 2, 584,585 |
| 21 Nov. 1665 | Henry Oldenburg | Refers to experiment out of Kircher which failes | 2, 586 |
| 12/22 Dec. 1665 | John Locke | Gives a list of books recently published abroad, including Kircher Mundus Subterraneus | 2, 601 |
| 2 Oct. 1668 | Michael Behm | Discusses Kircher's critical views on Raymond Lull's chemistry (given in Mundus Sub.) | 4, 110-112 |
| 23 Apr./2 May 1670 | Thomas Coxe | Father Kircher and other virtuosi in Rome speak often of your name | 4, 173 |
| 4 Jun. 1670 | Manfredo Settala to unknown correspondent, forwarded to Boyle | News of Padre Kircher | 6, 432 |

References (1-63 are given in Part 1)

- [64] D. Thorburn Burns, "The English Latin and the Continental Publications of the Work of Robert Boyle", in I. Malaquias, E. Homberg, M. Elvira Callapez (Eds.), "Chemistry, Technology and Society", Proc. 5th Int. Conf. Hist. Chem., SPQ, Lisbon, 2006, pp. 352-362.
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