## ANTEBELLUM (PRE-DRAKE) PUBLICATIONS WITH REFERENCE TO HYDROCARBONS

Raymond P. Sorenson 1825 S. Cheyenne Ave. Tulsa, OK 74119 sorensonrk@sbcglobal.net

## REFERENCES WITH SCANNED PAGES

ANONYMOUS, 1841a, Petroleum: *Niles' National Register*, Vol. LX, Fifth Series vol. X, August 18, 1841, Baltimore, p. 117.

## (8-04-2020)

NOTE: Unless otherwise noted, references that have been accessed through on-line sources have been found at: https://babel.hathitrust.org/cgi/ls?a=page;page=advanced

ABBOTT, Jas., 1847, Extracts from a letter from Capt. Jas. Abbott, descriptive of his geological and mineralogical observations in the Huzaree district, dated Camp Puhli, in Huzaree, 19<sup>th</sup> June, 1847: *Journal of the Asiatic Society of Bengal*, v. xvi, p. 1135-1137.

ABICH, H., 1858, Vergleichende geologische grundzüge der Kaukasischen, Armenischen und Nordpersischen Gebirge. Prodomus einer geologie der Kaukasischen Länder: Buchdruckerei der Kaiserlichen Akademie der Wissenschaften, St. Petersburg, 174 p.

ABICH, H., 1863, Über Eine im Caspischen Meere Erschienene Insel Nebst Beiträgen zur Kenntniss der Schlammvulkane der Capischen Region: Tome VI, No. 5, Mémoires de L'Académie Impériale des Sciences de St.-Pétersbourg, VII Série. Tome VI, No. 5, 156 p.

ACCUM, Friedrich Christian, 1818, A Practical Treatise on Gas-Light: Exhibiting a Summary Description of the Apparatus and Machinery Best Calculated for Illuminating Streets, Houses, and Manufactories, with Carburetted Hydrogen, or Coal-Gas: with Remarks on the Utility, Safety, and General Nature of this New Branch of Civil Economy: Fourth Edition, Ackermann, London, 194 p.

AGRICOLA, Georgius, 1950 (1556), *De Re Metallica*: Translated from 1<sup>st</sup> Latin edition of 1556 by Herbert Clark Hoover & Lou Henry Hoover. Dover Publications, New York, 638 p.

AGRICOLA, Georgius, 1955 (1546), *De Natura Fossilium* (Textbook of Mineralogy): Translated from the First Latin Edition of 1546 by Mark Chance Bandy and Jean A. Bandy, Geological Society of America Special Paper 63, New York, 240 p.

AIKIN. Arthur, 1811, Observations on the Wrekin, and on the great coal-field of Shropshire: *Transactions of the Geological Society*, v. 1, London, p. 191-212.

AIKIN, Arthur, 1815, A Manual of Mineralogy, 2<sup>nd</sup> Edition: Longman et al., London, 263 p.

AIKIN, Arthur, 1817, Notice concerning the Shropshire Witherite: *Transactions of the Geological Society*, vol. 4, London, p. 438-442.

AIKIN, Arthur, 1817, On a green waxy substance found in the alluvial soil near Stockport, in Cheshire: *Transactions of the Geological Society*, vol. 4, p. 445.

AIKIN, A., and C. R. AIKIN, 1807, A Dictionary of Chemistry and Mineralogy: vol. 1, 4to, London, 628 p.

AIKIN, William E. A., 1859a, On the causes of the variable illuminating power of coal-gas: *Proceedings of the American Association for the Advancement of Science. Twelfth Meeting, Held at Baltimore, Maryland, May, 1858.* Joseph Lovering, Cambridge, p. 133-138.

AIKIN, William E. A., 1859b, On the variable illuminating power of coal gas: The American Journal of Science and Arts, Second Series, vol. XXVII, no. 79, p. 82-86.

AINSWORTH, William Francis, 1842, *Travels and Researches in Asia Minor, Mesopotamia, Chaldea and Armenia*, vol. 2: John W. Parker, London, 399 p.

ALDEN, REV. Timothy, 1820, Antiquities and curiosities of western Pennsylvania: Archaeologia Americana, *Transactions and Collections of the American Antiquarian Society*, v. 1, William Manning, Worcester, Massachusetts, p. 308-313.

ALEXANDER, J. E., 1833, Notice regarding the asphaltum or pitch lake of Trinidad: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 15 (11 New Series), Philadelphia, p. 337-338.

ALGER, 1851, Economic value of peat: *Proceedings of the Boston Society of Natural Hist*ory, vol. III, 1848-1851, p. 378.

ALLAN, Robert, 1834, A Manual of Mineralogy Comprehending the More Recent Discoveries in the Mineral Kingdom: Adam and Charles Black, Edinburgh, 351 p.

ALLEN, T., 1847, An account of the inflammable gas-wells on the banks of the Kanawha River in Virginia: *Proceedings of the American Philosophical Society, Philadelphia*, vol. iv, no. 39, p. 366-368. http://www.jstor.org/stable/982008 Accessed Oct. 27, 2017

ALLOUEZ, Father Claude, 1676, Narrative of a voyage made to the Illinois, *in* SHEA, John Gilmary, 1852, *Discovery and Exploration of the Mississippi Valley: with the Original Narratives of Marquette, Allouez, Membre, Hennepin, and Anastase Douay*: Redfield, NY, p. 67-78.

ANDERSON, Adam, 1825a, On the illuminating power of coal-gas: The Edinburgh Philosophical Journal, v. 12, p. 169-171.

ANDERSON, Adam, 1825b, Remarks on the illuminating power of coal-gas: The Edinburgh Philosophical Journal, v. 12, p. 382-391.

ANDERSON, Alexander, 1789, An account of a bituminous lake or plain in the Island of Trinidad: *The Philosophical Transactions of the Royal Society of London*, vol. lxxix, p. 65-70.

ANDREWS, E. B., 1861, Rock oil, its geological relations and distribution: *The American Journal of Science and Arts*, 2nd Series, vol. XXXII, p. 85-93.

ANONYMOUS (Gentleman of Elvas), 1844 (1557), *Relaçam verdadei ra dos trabalhos que governador dõ Fernao de Souto e certos fidalgos portugueses passarom eno desubrimeto da Frolida*: Academia Real Das Sciencias, Lisboa, 139 p. (reprint, see Rye 1851 for English translation)

ANONYMOUS, 1821, Account of the Atush Kudda, or Natural Fire Temples of the Guebres, formed by burning springs of naphtha, with a notice respecting the naphtha wells in Pegu: *The Edinburgh Philosophical Journal*, v. V, p. 21-27.

ANONYMOUS, 1822a, Gas Illumination: The American Journal of Science, and Arts, v. 4, p. 373.

ANONYMOUS, 1822b, Bituminous substances of Barbadoes: *The American Journal of Science, and Arts*, v. 5, p. 406.

ANONYMOUS, 1823, Mineral Caoutchouc: The American Journal of Science, and Arts, v. 6, p. 370.

ANONYMOUS, 1824, Gas lights: The American Journal of Science, and Arts, v. 8, p. 181-182.

ANONYMOUS, 1827, Notice of some recent experiments in boring for fresh water, and of a pamphlet on that subject: *The American Journal of Science and Arts*, v. 12, p. 136-144.

ANONYMOUS, 1828a, Inflammable gas arising after boring for salt: *The Philosophical Magazine and Annals of Philosophy*, New Series, no. 15, March 1828, London, p. 233.

ANONYMOUS, 1828b, Inflammable gas from salt mines employed for producing light: *The Philosophical Magazine and Annals of Philosophy*, New Series, no. 15, March 1828, London, p. 233.

ANONYMOUS, 1828c, Natural gas lights at Fredonia: *The Philosophical Magazine and Annals of Philosophy*, New Series, no. 15, March 1828, London, p. 233.

ANONYMOUS, 1829, Petroleum: *Niles' Weekly Register*, Third Series, no. 8, vol. XII, April 18, 1829, Baltimore, p. 117.

ANONYMOUS, 1829b, Polar explorations: The American Journal of Science and Arts, v. 16, p. 124-151.

ANONYMOUS, 1830a, Sketch of the geology of the Arctic regions, and the steppes of Russia, with notices of Siberia, Kamschatka, and the Kurile Islands: *The American Journal of Science and Arts*, v. 17, p. 1-34.

ANONYMOUS, 1830b, A village lighted by natural gas: *The American Journal of Science and Arts*, v. 17, p. 398-399.

ANONYMOUS, 1830c, On a new mineral, hydro-carbon: *The American Journal of Science and Arts*, v. 18, p. 164-165.

ANONYMOUS, 1834a, History of Gas - No. I: *The Penny Magazine of the Society for the Diffusion of Useful Knowledge*, No. 159, September 27, London, p. 373-375.

ANONYMOUS, 1834b, History of Gas - No. II, Manufacture of Gas: *The Penny Magazine of the Society for the Diffusion of Useful Knowledge*, No. 166, November 1, London, p. 427-430.

ANONYMOUS, 1834c, History of Gas - No. III: *The Penny Magazine of the Society for the Diffusion of Useful Knowledge*, No. 169, November 22, London, p. 452-453.

ANONYMOUS, 1834d, History of Gas - No. IV: *The Penny Magazine of the Society for the Diffusion of Useful Knowledge*, No. 170, November 29, London, p. 458-459.

ANONYMOUS, 1834e, History of Gas - No. V, Oil-Gas: *The Penny Magazine of the Society for the Diffusion of Useful Knowledge*, No. 174, December 20, London, p. 492-493.

ANONYMOUS, 1835, On the cementation of iron by means of carburetted hydrogen: *The American Journal of Science and Arts*, v. 23, p. 362-363.

ANONYMOUS, 1836, Notice of Dr. Hildreth's article on the coal deposits of the Ohio, etc. in No. 1, vol. xix of this journal; from No. 58 of *Loudon's Magazine of Natural History: The American Journal of Science and Arts*, v. 30, p. 399-400.

ANONYMOUS, 1836b, Review of a "Geological Report of an Examination, made in 1834, of the Elevated Country between the Missouri and Red Rivers. By G. W. Featherstonhaugh, U. S. Geologist. Published by order of both Houses of Congress. Washington: Printed by Gales & Seaton. 1835": *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 21 (17 New Series), Philadelphia, p. 109-117, 184-190.

ANONYMOUS, 1836c, Mineral pitch lake of Trinidad (*Jameson's Journal*, from Webster's voyage): *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 18 (14 New Series), Philadelphia, p. 437.

ANONYMOUS, 1836d, An American oil well: *New England Farmer, and Gardener's Journal*, v. 14, no. 52, p. 411.

ANONYMOUS, 1837, Miscellaneous observations made during a tour in May, 1835, to the Falls of the Cuyahoga, near Lake Erie: *The American Journal of Science and Arts*, v. 31, p. 1-84.

ANONYMOUS, 1837b, Manufacture of gas: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 23 (19 New Series), Philadelphia, p. 136-138.

ANONYMOUS, 1838, Geological Reports: The American Journal of Science and Arts, v. 34, p. 185-198.

ANONYMOUS, 1838b, Asphaltic mastic: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 18 (14 New Series), Philadelphia, p. 411-414.

ANONYMOUS, 1838c, Asphaltic mine in Pyrimont: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 18 (14 New Series), Philadelphia, p. 276-279.

ANONYMOUS, 1839a, Naptha springs and sulphur: The American Journal of Science and Arts, vol. XXXVII, no. 2, p. 353.

ANONYMOUS, 1839b, The Kirkook naptha: The American Journal of Science and Arts, vol. XXXVII, no. 2, p. 353-354.

ANONYMOUS, 1839c, Naptha springs of Bakon: The American Journal of Science and Arts, vol. XXXVII, no. 2, p. 354-355.

ANONYMOUS, 1839d, Explosions in American coal mines: The American Journal of Science and Arts, vol. XXXVII, no. 2, p. 387-389.

ANONYMOUS, 1839e, Coal-fields of Nova Scotia and Cape Breton: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 28 (24 New Series), Philadelphia, p. 276-277.

ANONYMOUS, 1840a, Petroleum oil well: The American Journal of Science and Arts, v. 39, p. 195.

ANONYMOUS, 1840c, Fire damp: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 29 (25 New Series), Philadelphia, p. 273-274.

ANONYMOUS, 1840d, A new process for making gas for illuminations from bituminous schist: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 30 (26 New Series), Philadelphia, p. 335-337.

ANONYMOUS, 1841, Abstract of the Proceedings of the Tenth Meeting of the British Association for the Advancement of Science: *The American Journal of Science and Arts*, v. 41, p. 40-68.

ANONYMOUS, 1841a, The Tombigbee River on fire: *Niles' National Register*, Vol. LX, Fifth Series vol. X, August 14, 1841, Baltimore, p. 384.

ANONYMOUS, 1842, Coal mines in Cuba: The American Journal of Science and Arts, v. 42, p. 388-390.

ANONYMOUS, 1843, Asphaltic pavement: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 36 (6 3rd Series), Philadelphia, p. 147-149.

ANONYMOUS, 1843a, Bituminous lake: *Niles' National Register*, Vol. LXV, Fifth Series vol. XV, November 11, 1843, Baltimore, p. 167.

ANONYMOUS, 1844b, Notice of a memoir by C. G. Ehrenberg, "On the extent and influence of microscopic life in North and South America": *The American Journal of Science and Arts*, v. 46, p. 297-313.

ANONYMOUS, 1845, An intermittent spring: The American Journal of Science and Arts, v. 48, p. 400.

ANONYMOUS, 1846a, Deepest artesian well in Europe: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 42 (12 3rd Series), Philadelphia, p. 434.

ANONYMOUS, 1847, Review of the New York geological reports: *The American Journal of Science and Arts*, Second Series, vol. III, p. 164-171 (continuation of series).

ANONYMOUS, 1848, Review of *Histoire des Progres de la Geologie de 1834 a 1845* bu Vicomte D'Archiac: *The American Journal of Science and Arts*, Second Series, vol. VI, p. 134-135.

ANONYMOUS, 1848b, Zoroaster, and the Persian Fire-Worshippers. A book review of *The Parsi Religion* ... (1843) by John Wilson: *British Quarterly Review*, Volume 7, p. 49-73.

ANONYMOUS, 1851, Notice of the discovery of a new combustible substance in Russia: *Quarterly Journal of the Geological Society of London*, v. 7, p. 66.

ANONYMOUS, 1853a, Trans. Amer. Phil. Soc.: *The American Journal of Science and Arts*, Second Series, vol. XV, p. 303.

ANONYMOUS, 1853b, Proceedings of the American Philosophical Society.: *The American Journal of Science and Arts*, Second Series, vol. XV, p. 304.

ANONYMOUS, 1855, *The Kansas Herald of Freedom*: Lawrence, Kansas Territory, Volume 1, Number 13, March 31, 1855, p. 2. https://chroniclingamerica.loc.gov/lccn/sn82006863/1855-03-31/ed-1/seq-2/ Accessed February 22, 2018

ANONYMOUS, 1858, Second Report on the Geological Survey of Kentucky: *The American Journal of Science and Arts, Second Series*, vol. XXV, p. 282-286.

ANONYMOUS, 1859, Review of Hall and Whitney's Report on the Geology of Iowa: *The American Journal of Science and Arts*, Second Series, vol. XXVII, no. 79, p. 103-117.

ANONYMOUS, 1860a, Disinfectants: The American Journal of Science and Arts, v. 30 Series II, p. 125-132.

ANONYMOUS, 1860b, Oil wells of Pennsylvania and Ohio: *The American Journal of Science and Arts*, v. 30 Series II, p. 305-306.

ANONYMOUS, 1861, Mineral Riches of the Earth: American Sunday-School Union, Philadelphia, 304 p.

ANONYMOUS, 1862, The Canadian oil region: The Leisure Hour, No. 573, December 20, 1862, p. 813-814.

ANONYMOUS, 1862, What are the oil wells?: The Cornhill Magazine, v. 5, p. 746-753.

ANTISELL, Thomas, 1856, Geological report, Part II, *in* DAVIS, Jeff'n, et al., 1857, *Reports of Explorations and Surveys, to Ascertain the Most Practicable and Economical Route for a Railroad from the Mississippi river to the Pacific Ocean. Made Under the Direction of the Secretary of War, in 1853-6, According to Acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854. Vol. VII*: 33<sup>rd</sup> Congress, 2<sup>nd</sup>, HED 91. A. O. P. Nicholson, Washington, 204 p.

ANTISELL, Thomas, 1859, *The Manufacture of Photogenic or Hydro-Carbon Oils, from Coal and other Bituminous Substances, Capable of Supplying Burning Fluids*: (1865 printing), D. Appleton & Co., New York, 150 p.

ANTISELL, 1860, Review of Dr. Antisell's work on photogenic oils, etc. Review by Frank H. Storer: *The American Journal of Science and Arts*, v. 30 Series II, p. 112-121, 254-264.

ASHE, Thomas, 1808, *Travels in America, Performed in 1806, For the Purpose of Exploring the Rivers Alleghany, Monogahela, Ohio, and Mississippi, and Ascertaining the Produce and Condition of Their Banks and Vicinity.* Volume I. Richard Phillips, London, 328 p.

ATWATER, Caleb, 1819, Notice of the scenery, geology, mineralogy, botany, etc. of Belmont County, Ohio: *The American Journal of Science*, v. 1, p. 226-230.

B., F., 1855, Riquezas mineraes do Brasil (1): *O Auxiliador da Indústria Nacional* (OAIN). Edition 4, 1855, p. 122-152.

<a href="http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=misturada%20com%20argila%20e%20areia">http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=misturada%20com%20argila%20e%20areia</a>

B., F. J. M., 1836, Meio de Fazer Velas de Sebo em Casa: *O Auxiliador da Indústria Nacional* (OAIN). Edition 1, 1836, p. 253-255.

< http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=fazer%20as%20velas>.

BAKEWELL, Robert, 1839, An Introduction to Geology: Intended to Convey a Practical Knowledge of the Science, and Comprising the Most Important Recent Discoveries; with Explanations of the Facts and Phenomena Which Serve to confirm or Invalidate Various Geological Theories: 3<sup>rd</sup> American from 5<sup>th</sup> London edition. B. & W. Noyes, New Haven, 596 p.

BARBARO, Josafa, and Ambrogio CONTARINI, 1873 (1553), *Travels to Tana and Persia* (translated by William Thomas): Hakluyt Society, London, 173 p.

BARKER, B. B. R., 1843, Report of Neosho Sub-Agency, no. 91, August 1, 1843, *in* CRAWFORD, T. Hartley, *Annual Report of the Commissioner of Indian Affairs*: p. 420-423. http://digicoll.library.wisc.edu/cgi-bin/History/Historyidx?type=turn&entity=History.AnnRep4045.p0578&id=History.AnnRep4045&isize=M (accessed 05/30/2016)

BARNARD, J. G., 1852, The Isthmus of Tehuantepec: Being the Results of a Survey for a Railroad to Connect the Atlantic and Pacific Oceans, Made by the Scientific Commission Under the Direction of Major J. G. Barnard, U. S. Engineers. With a Resume of the Geology, Climate, Local Geography, Productive Industry, Fauna and Flora, of the

Region. Illustrated with Numerous Maps and Engravings. Arranged and Prepared for the Tehuantepec Railroad Company of New Orleans, by J. J. Williams, Principal Assistant Engineer: D. Appleton, New York, 295 p.

BAUER, Juliette, 1853, *Lives of the Brothers Humboldt, Alexander and William*: Translated and arranged from the German of Klencke & Schlesier. Harper & Brothers, New York, 398 p.

BAYFIELD, Capt., 1845, On the junction of the Transition and Primary rocks of Canada and Labrador: *Quarterly Journal of the Geological Society of London*, v. 1, p. 450-459.

BEAUFORT, Francis 1818, Karamania, or a Brief Description of the South Coast of Asia Minor and of the Remains of Antiquity. With Plans, Views, &c. Collected During a Survey of that Coast, Under the Orders of the Lorde Commissioners of the Admiralty, in the Years 1811 & 1812: 2<sup>nd</sup> Edition, 8vo, London, 309 p.

BECK, Lewis C., 1838, Report of Dr. Lewis C. Beck on the mineralogical and chemical department of the survey, *in* MARCY, W. L., *Communication from the Governor, relative to the Geological Survey of the State*: State of New-York Assembly No. 200, February 20, 1838, p. 7-73, table.

BECK, Lewis C., 1839, Report of Dr. Lewis C. Beck on the mineralogical and chemical department of the survey, *in* SEWARD, William H., *Communication from the Governor, Relative to the Geological Survey of the State*: State of New-York Assembly No. 275, February 27, 1839, p. 9-56.

BECK, Lewis C., 1839, Notices of the native copper, ores of copper and other minerals found in the vicinity of New Brunswick, New Jersey: *The American Journal of Science and Arts*, (ser. 1), vol. xxxvi, p. 107-114.

BECK, Lewis C., 1840, Report of Dr. Lewis C. Beck on the mineralogical and chemical department of the survey, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, p. 45-111.

BECK, Lewis C., 1841, Report of Dr. Lewis C. Beck on the mineralogical and chemical department of the survey, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 150, February 17, 1841, p. 5-23.

BECK, Lewis C., 1842, *Mineralogy of New York; Comprising Detailed Descriptions of the Minerals Hitherto Found in the State of New York, and Notices of their Uses in the Arts and Agriculture:* Natural History of New York, Part III, Albany, 536 p.

BECK, L. C., et al., 1843a, Abstract of the *Proceedings of the Fourth Session of the Association of American Geologists and Naturalists: The American Journal of Science and Arts*, v. 45, p. 310-353.

BECK, T. Romeyn, 1828, Tioga coal: The American Journal of Science and Arts, v. 13, p. 381-382.

BELL, John, 1763, Travels from St. Petersburg in Russia, to Diverse Parts of Asia, v. 1: Glasgow 357 p

BELL, John, 1763, Travels from St. Petersburg in Russia, to Diverse Parts of Asia, v. 2: Glasgow 426 p.

BELL, William H., 1844, *Mineral Lands of the Upper Mississippi*: 28<sup>th</sup> Congress, 1<sup>st</sup> session, HR Doc. 43, Washington, 52 p.

BERGER, J. F., 1811, Observations on the physical structure of Devonshire and Cornwall: *Transactions of the Geological Society*, vol. 1, London, p. 93-184.

BERGHAUS, Heinrich, 2004 (1848), Physikalischer Atlas oder Sammlung von Karten, auf denen die hauptsächlichsten Erscheinungen der anorganischen und organischen Natur nach ihrer geographischen

*Verbreitung und Vertheilung bildlich dargellt sind. zu Alexander von Humboldt, KOSMOS.* Entwurf einer physischen Weltbeschreibung. Eichborn Verlag, Frankfurt am Main, 175 p.

BERTHIER, M. P., 1839, Analysis of several bituminous minerals: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 27 (23 New Series), Philadelphia, p. 345-347.

BIGSBY, John, and LOND, M. G. S., 1824, A List of minerals and organic remains, occurring in the Canadas: *The American Journal of Science, and Arts*, v. 8, p. 60-88.

BIGSBY, J. J., 1853, On the geology of Quebec and its environs: *Quarterly Journal of the Geological Society of London*, vol. 9, p. 82-101.

BIGSBY, J. J., 1858, On the Paleozoic basin of the State of New York: *Quarterly Journal of the Geological Society of London*, v. 14, p. 335-426.

BINNING, Robert B. M., 1857, A Journal of Two Years Travel in Persia, Ceylon, etc., vol. 1: 8vo, Wm. H. Allen, London, 433 p.

BIRINGUCCIO, Vannoccio, 1990 (1540), *The Pirotechnia of Vannoccio Biringuccio*: Translated and edited by Cyril Stanley Smith and Martha Teach Gnudi. Dover, New York, 477 p.

BIRKMAN, Peter, 1829, Synopsis of Sciences and Arts, Arranged under the General Heads of Philosophy, History & Arts: to Which is Prefixed a Chart, Showing at One View, the Different branches, Divisions and Subdivisions of the Various Sciences and Arts, Now Known in the World: Gustavus S. Peters, Harrisburg, 159 p.

BISCHOW, Gustav, 1839, On the natural history of volcanos [*sic*] and earthquakes: *The American Journal of Science and Arts*, v. 37, p. 41-77.

BLAKE, John H. (M. Castáles), 1842, Coal mines in Cuba: *The American Journal of Science and Arts*, ser. I, vol. xlii, p. 388-390.

BLAKE, John H., 1842, Carburetted hydrogen encased in spheres of carbonate of lime: *The American Journal of Science and Arts*, v. 42, p. 214.

BLAKE, W. P., 1855a, Preliminary geological report of the U. S. Pacific Railroad Survey, under the command of Lieut. R. S. Williamson: *The American Journal of Science and Arts*, v. 19 Series II, p. 433-434.

BLAKE, Wm. P., 1855b, Observations on the extent of the gold region of California and Oregon, with notices of mineral localities in California, and of some remarkable specimens of crystalline gold: *The American Journal of Science and Arts*, v. 20 Series II, p. 72-85.

BLAKE, William P., 1856, Report of the geology of the route, *in* Davis, Jeff'n, et al., *Reports of Explorations and Surveys, to Ascertain the Most Practicable and Economical Route for a Railroad from the Mississippi river to the Pacific Ocean. Made Under the Direction of the Secretary of War, in 1853-4, According to Acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854.Vol. III:* 33<sup>rd</sup> Congress, 2<sup>nd</sup>, HED 91. A. O. P. Nicholson, Washington, 127 p.

BLAKE, William P., 1857, Geological report, *in* Davis, Jeff'n, et al., 1856, *Reports of Explorations and Surveys, to Ascertain the Most Practicable and Economical Route for a Railroad from the Mississippi river to the Pacific Ocean. Made Under the Direction of the Secretary of War, in 1853-4, According to Acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854. Vol. V:* 33<sup>rd</sup> Congress, 2<sup>nd</sup>, HED 91. A. O. P. Nicholson, Washington, 370 p. BLAKE, William P., 1858, Report of a Geological Reconnaissance in California: Made in Connection with the Expedition to Survey routes in California, to Connect with the Surveys of Routes for a Railroad from the Mississippi River to the Pacific Ocean, Under the Command of Lieut. R. S. Williamson, Corps Top. Eng'rs, in 1853: H. Bailliere, New York, 370 p.

BOGG, Edward, 1816, A sketch of the geology of the Lincolnshire wolds: *Transactions of the Geological Society*, vol. 3, London, p. 392-398.

BONTIUS, James, 1769, *An Account of the Diseases, Natural History, and Medicines of the East Indies* (translated from the Latin): T. Noteman, London, 231 p.

BÖTTGER, 1839, Simple method of depriving the common oil of petroleum completely of its color, without distillation: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 27 (23 New Series), Philadelphia p. 120.

BOUILLET, J., 1752, Memoire sur L'Huile de Petrole en General, et Particulierement sur Celle de Gabian. Lû à l'Académie des Sciences & Belles-Lettres de Besiers. Approuvé par l'Université de Médecine de Montpellier. Et imprimé par l'ordre de M. De Bausset De Roquefort, Evéque & Seigneur de Bésiers: Bésiers, 20 p. (author name from Redwood, 1913, p. 204)

BOUSINGAULT, M., 1837, On the composition of bitumens: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 24 (20 New Series), Philadelphia, p. 138-139.

BOWEN, Eli, 1852a, The Pictorial Sketch-Book of Pennsylvania or Its Scenery, Internal Improvements, Resources, and Agriculture. Part I Off-Hand Sketches: Willis P. Hazard, Philadelphia, 268 p.

BOWEN, Eli, 1852b, The Pictorial Sketch-Book of Pennsylvania or Its Scenery, Internal Improvements, Resources, and Agriculture. Part II Locomotive Sketches with Pen and Pencil: Willis P. Hazard, Philadelphia, 192 p.

BOWEN, H. G., 1856, On the geology of Trinidad: *Quarterly Journal of the Geological Society of London*, v. 12, p. 389.

BRADBURY, John, 1817, Travels in the Interior of America, in the Years 1809, 1810, and 1811; Including a Description of Upper Louisiana, Together with the States of Ohio, Kentucky, Indiana, and Tennessee, with the Illinois and Western Territories, and Containing Remarks and Observations Useful to Persons Emigrating to those Countries: Smith and Galway, Liverpool, 364 p.

BREWSTER, D., 1821, Account of the Atush-Kudda, or natural fire temples of the Guebres, formed by burning springs of naphtha, with a notice respecting the naphtha wells in Pegu: *New Edinburgh Philosophical Journal*, vol. v, p. 21-27.

BREWSTER, David, 1846, Baron Humboldt's Researches in Central Asia. Art. VI, *North British Review*, p. 454-503. Review of HUMBOLDT, A. De, 1843, *Asie Centrale; Recherches sur les Chaines de Montagnes, et la Climatologie Comparee*. 3 vols., Paris.

BRIGGS, C. Jr., 1838a, Report of C. Briggs, Jr., fourth assistant geologist, *in* MATHER, W. W., et al., *First Annual Report on the Geological Survey of the State of Ohio*: Samuel Medary, Columbus, p. 71-98.

BRIGGS, C. Jr., 1838b, Report of Mr. Briggs, *in* MATHER, W. W., et al., *Second Annual Report on the Geological Survey of the State of Ohio*: Samuel Medary, Columbus, 8vo., p. 109-154.

BRIGHT, Richard, 1817, On the strata in the neighbourhood of Bristol: *Transactions of the Geological Society*, vol. 4, London, p. 193-205.

BRINGIER, L., 1821, Notices of the geology, mineralogy, topography, productions, and aboriginal inhabitants of the regions around the Mississippi and its confluent waters: *The American Journal of Science and Arts*, Vol. III, p. 15-46.

BROWN, Samuel, 1819, On a curious substance which accompanies the native nitre of Kentucky and Africa: *The American Journal of Science*, v. 1, p. 146-148.

BURCKHARDT, John Lewis, 1822, Travels in Syria and the Holy Land: John Muray, London, 688 p.

BURLAMAQUE, F. L. C., 1850, Riquezas mineraes do Brasil: *O Auxiliador da Indústria Nacional* (OAIN), Edition 7, 1850, p. 255-263.

< http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=alcatrao%20mineral,%20petroleo >.

BURNES, A., 1833, Pesháwar Coal: Journal of the Asiatic Society of Bengal, vol. ii, p. 267.

BUTLER, Richard, 1834, Specification of the patent granted to Richard Butler, merchant, for improvements in manufacturing obtaining, or producing oil from certain substances; and in extracting, producing, or obtaining gas from the same, or such like substances, or from oil produced therefrom. Dated January 29, 1833: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 18 (14 New Series), Philadelphia, p. 44-47.

CALEY, Earle, and RICHARDS, John C., 1956, *Theophrastus on Stones: Introduction, Greek Text, English Translation, and Commentary*: Ohio State University Press, Columbus, 238 p.

CARDONE, Giacomo, 1828, Inspiration of inflammable gas: *The American Journal of Science and Arts*, v. 14, p. 370-371.

CARPENTER, Prof. W. M., 1839, Miscellaneous notices in Opelousas, Attakapas, etc.: *The American Journal of Science and Arts*, v. 35, p. 344-346.

CARTER, H. J., 1859, 1860, Report on Geological Specimens from the Persian Gulf collected by Lieut. C. G. Constable, I. N.: *Journal of the Asiatic Society of Bengal*, vol. xxviii, p. 41-48; vol. xxix, p. 359-365.

CASSON, Dollier de, and GALINEE, de Bréhant de, 1903, *Exploration of the Great Lakes (1669-1670)*: Edited and translated by J. H. Coyne. Papers and Records, v. IV, Part I, Ontario Historical Society, Toronto, Canada, 89 p.

CASTÁLES, M. 1842 [see Blake 1842]

CHAMBERS, E., 1750, Cyclopaedia: or, an Universal Dictionary of Arts and Sciences: 6<sup>th</sup> edition, 2 vols., Fo, London. (supplement not available)

CHANDLER, Richard, 1776, *Travels in Greece: or an Account of a Tour made at the Expense of the Society of Dilletanti:* 4to, London.Clarendon Press, Oxford, 304 p.

CHAPMAN, E. J., 1856, Review of Esquisse Geologique du Canada by W. E. Logan and T. Sterry Hunt: *The Canadian Journal of Industry, Science, and Art*, New series, vol. I, Toronto, p. 378-379.

CHAUMONOT, Joseph, 1655, p. 134-149, *in* CAMPBELL, Rev. T. J., 1913, *Pioneer Priests of North America* 1642-1710, v. 1, Among the Iroquois: The America Press, New York, 349 p.

CHERRIMAN, J. B., 1857, Review of Progress of Mathematical and Physical Science by James David Forbes in The Encyclopedia Britannica, 8th edition: *The Canadian Journal of Industry, Science, and Art*, New series, vol. II, Toronto, p. 366-381.

CHESNEY, F. R., 1850, *The Expedition for the Survey of the Rivers Euphrates and Tigris, carried on by order of the British Government, in the years 1835, 1836, and 1837; preceded by geographical and historical notices of the regions situated between the rivers Nile and Indus:* 4 vols., 4to London. (volumes 3 &4 not available)

CLARKE, Edward Daniel, 1817, Analysis of one hundred parts of a dark bituminous limestone, from the Parish of Whiteford in Flintshire, North Wales: *Transactions of the Geological Society*, vol. 4, London, p. 430-433.

CLAYTON, John, 1739, An experiment concerning the spirit of coals: *The Philosophical Transactions of the Royal Society of London*, vol. xli, no. 452, p. 59-61.

CLAYTON, W., 1848, The Latter-Day Saints' Emigrants' Guide: Being a Table of Distances, Showing all the Springs, Creeks, Rivers, Hills, Mountains, Camping Places, from Council bluffs, to the Valley of the Great Salt Lake: Mo. Republican Steam Power Press – Chambers & Knapp, St. Louis, 24 p.

CLAYTON, W., 1921, William Clayton's Journal: A Daily Record of the Journey of the Original Company of Mormon Pioneers from Nauvoo, Illinois, to the Valley of the Great Salt Lake: The Deseret News, Salt Lake City, 376 p.

CLEAVELAND, Parker, 1822, An Elementary Treatise on Mineralogy and Geology, vol. I, 2<sup>nd</sup> edition: 480 p.

CLEGG, Samuel, Jr., 1820, Clegg's new method of producing coal-gas: *The Edinburgh Philosophical Journal*, v. II, p. 384.

CLEGG, Samuel, Jr., 1841, A Practical Treatise on the Manufacture and Distribution of Coal Gas: Weale, London, 208 p.

CLEGG, Samuel, Jr., 1853, *A Practical Treatise on the Manufacture and Distribution of Coal Gas*, 2nd edition: Weale, London, 298 p.

CLINTON, De Witt, 1815, "Seneca oil"; An introductory discourse delivered before the Literary and Philosophical Society of New York on the Fourth of May, 1814, by De Witt Clinton, LL. D.: David Longworth, New York, 148 p.

CLUVERII, Philippi, 1711, Introductio in Universam Geographiam: Joannis Nicholsoni, Londind, 429 p.

COLLINS, Lewis, 1850 (1847, 1848), Historical Sketches of Kentucky: Embracing its History, Antiquities, and Natural Curiosities, Geographical, Statistical, and Geological Descriptions, with Anecdotes of Pioneer Life: Collins and James, Cincinnati, 560 p.

COLLINS, Perry McD., 1858, Explorations of Amoor River, HED 98, v. 12, 35-1, p. 1-67, 3 maps.

COLUMBUS, Ferdinand, 1571, *The History of the Life and Actions of Admiral Christopher Columbus* ... (Luisa Nordio (Translator): *in* MORISON, Samuel Eliot (ed.), 1963, *Journals and Other Documents on the Life and Voyages of Christopher Columbus*, The Heritage Press, New York, 417 p.

COMMUN, Joseph Du, 1828, Hypothesis on volcanos [sic] and earthquakes: The American Journal of Science and Arts, v. 15, p. 12-25.

COMSTOCK, J. L., 1819, Discovery of American cinnabar and native lead: *The American Journal of Science*, v. 1, p. 433-434.

COMSTOCK, John L., 1832, An Introduction to Mineralogy; Adapted to the use of Schools and Private Students (2nd edition): Barber, Hartford, 343 p.

COMSTOCK, John L., 1840, *An Introduction to Mineralogy; Adapted to the use of Schools and Private Students* (3rd edition): Robinson, Pratt, & Co., New York, 369 p.

CONYBEARE, Rev. W. D., and William PHILLIPS, 1822, *Outlines of the Geology of England and Wales, with an Introductory Compendium of the General Principles of that Science, and Comparative Views of the Structure of Foreign Countries*: William Phillips, London, 470 p.

COOPER, Thomas, 1822, On volcanoes and volcanic substances, with a particular reference to the origin of the floetz trap formation: *The American Journal of Science, and Arts*, v. 4, p. 205-242.

CORTINA, José Gomez de la, 1858, Informe dado al Ministerio de Gobernacion acerca de los Pozos salados y depósito de chapopote descubiertos en las immediaciones del pueblo de Moloacan, distrito de Acayucan, Departamento de Veracruz: (Note on salt wells and the asphalt deposit in the environs of the town of Moloacan, District of Acayucan, Department of Veracruz): *Boletin de la Sociedad Mexicana de Geografia y Estadistica*, v. 6, p. 169-172.

COULAINE, M. de, 1851, On the asphaltic macadamised roads lately laid down in Paris: Compiled from Les *Annales des Ponts et Chaussees*, 1850. *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 52 (3rd Series 22), Philadelphia, p. 217-228, 289-302, and 361-367.

COX, Hiram, 1797, An Account of the Petroleum Wells in the Burmba Dominions: Extracted from the Journal of a Voyage from Rangbong up the River Erai-Wuddey to Amarapoorab, the Present Capital of the Burmba Empire: *Philosophical Magazine of London*, London, p. 226-234.

COXE, John Redman, 1830, *The American Dispensatory, Containing the Natural, Chemical, Pharmaceutical, and Medical History of the Different Substances Employed in Medicine; Together with the Operations of Pharmacy; Illustrated and Explained, According to the Principles of Modern Chemistry: To Which are Added, Toxicological and Other Tables; the Prescriptions for Patent Medicines, and Various Miscellaneous Preparations*, 8<sup>th</sup> edition: Carey & Lea, Philadelphia, 808 p.

CRAMER, Z., 1821, The Navigator: Containing Directions for Navigating the Monongahela, Allegheny, Ohio and Mississippi Rivers; With an Ample Account of These Much Admired Waters, From the Head of the Former to the Mouth of the Latter; and a Concise Description of Their Towns, Villages, Harbors, Settlements, &c. With Maps of the Ohio and Mississippi, to Which is Added an Appendix, Containing an Account of Louisiana, and of the Missouri and Columbia Rivers as Discovered by the Voyage Under Capts. Lewis and Clark: Cramer & Spear, Pittsburgh, 283 p.

CRAWFURD, John, 1834, *Journal of an Embassy from the Governor General of India to the Court of Ava*: 2<sup>nd</sup> edition, 2 vols., Henry Colburn, London.

CRESPI, Fray Juan, 1769, in White, Gerald T., 1968, Scientists in Conflict: the Beginnings of the Oil Industry in California: Huntington Library, San Marino, p. 4.

CROFT, Henry, 1858, Synthesis of chemistry review: *The Canadian Journal of Industry, Science, and Art*, New series, vol. XVIII, Toronto, p. 520-521.

CUNNINGHAM, P., 1828, Two Years in New South Wales; Comprising Sketches of the Actual State of Society in that Colony; of its Peculiar Advantages to Emigrants; of its Topography, Natural History, &c.: 3<sup>rd</sup> edition, 2 vols., 8vo, London

CUTBUSH, James, 1823, Remarks concerning the composition and properties of the Greek fire: *The American Journal of Science, and Arts*, v. 6, p. 302-315.

DANA, James D., 1859, *Manual of Mineralogy, Including Observations on Mines, Rocks, Reduction of Ores, and the Applications of the Science to the Arts, with 200 Illustrations. Designed for the use of Schools and Colleges*, 2<sup>nd</sup> edition: Peck, White & Peck, New Haven, 456 p.

DANA, J. F., and S. L. DANA, 1818, Outlines of the Mineralogy and Geology of Boston and its Vicinity, with a Geological Map: *Memoirs of the American Academy of Arts and Sciences*, Vol. IV, Part I. Hilliard & Metcalf, Cambridge, p. 129-228.

DANIELS, Edward, 1859, Presentation of geological specimens from Wisconsin: *Proceedings of the Boston Society of Natural History*, vol. VI, 1856-1859, p. 309-310.

DARWIN, Charles, 1897, *The Structure and Distribution of Coral Reefs*: 3rd Edition, D. Appleton & Co., New York, 344 p. (1st edition 1842)

DAUBENY, Charles, 1825, Sketch of the geology of Sicily: *The Edinburgh Philosophical Journal*, v. XIII, p. 254-269.

DAUBENY, Charles, 1826, Sketch of the geology of Sicily: *The American Journal of Science and Arts*, vol. X, p. 230-256.

DAUBENY, Charles, 1828a, Notice and analysis of "A description of active and extinct volcanoes, with remarks on their origin, their chemical phenomena and the character of their products, as determined by the condition of the earth, during the period of their formation; being the substance of some lectures delivered before the University of Oxford, with much additional matter" (1 Vol. 8vo. London, 1826): *The American Journal of Science and Arts*, v. 13, p. 235-310.

DAUBENY, Charles, 1828b, Conclusion of the notice and analysis of Professor Daubeny's work on active and extinct volcanoes: *The American Journal of Science and Arts*, v. 14, p. 70-91.

DAUBENY, Charles Giles Bridle, 1839, Sketch of the Geology of North America, being the Substance of a Memoir Read Before the Ashmolean Society, Nov. 26, 1838: R. & J. E. Taylor, London, 73 p.

DAVIS, John Francis, 1836, A General Description of the Empire of China and its Inhabitants, Vol. II: Charles Knight, London, 480 p.

DAVIS, John Francis, 1840 (1836), A General Description of the Empire of China and its Inhabitants, Vol. I (A New Edition): Charles Knight, London, 395 p.

DAWSON, J. W., 1853, On the Albert Mine, Hilsborough, New Brunswick: Quarterly Journal of the Geological Society of London, v. 9, p. 107-114.

DAWSON, John William, 1855, Acadian Geology: An Account of the Geological Structure and Mineral Resources of Nova Scotia, and Portions of the Neighboring Provinces of British America: Oliver & Boyd, Edinburgh, 388 p.

DAWSON, John William, 1868, Acadian Geology. The Geological Structure, Organic Remains, and Mineral Resources of Nova Scotia, New Brunswick, and Prince Edward Island. 2nd edition: Oliver & Boyd, Edinburgh, 694 p.

DAY, Sherman, 1843, Historical Collections of the State of Pennsylvania; containing a copious selection of the most intersting facts, traditions, biographical sketches, anecdotes, etc., related to its history and antiquities, both

*general and local, with topographical descriptions of every county and all the larger towns in the state*: George W. Gorton, Philadelphia, 708 p.

DEBRAY, 1840, Fabricacao de Hum Feltso Propaio Para Forso dos Navios: *O Auxiliador da Indústria Nacional* (OAIN). Edition 8, 1840, p. 157-160. <a href="http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=dissolvidas%20em%20espirito%20de%20vin">http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=dissolvidas%20em%20espirito%20de%20vin</a> ho >.

DE LA BECHE, Henry T., 1832, A Geological Manual: Carey & Lea, Philadelphia, 535 p.

DE LA BECHE, Henry T., 1848, Anniversary address of the president: *Quarterly Journal of the Geological Society* of London, v. 4, p. xxi-cxx.

DE LA BECHE, Henry T., 1851, The Geological Observer: Blanchard and Lea, Philadelphia, 695 p.

DE LA BECHE, H., and PLAYFAIR, Lyon, 1847, Gases and explosions in collieries: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 43 (13 3rd Series), Philadelphia, p. 347-353 and 427-433.

DEWEY, C., 1819, Sketch of the m ineralogy and geology of the vicinity of Williams' College, Williamstown, Mass.: *The American Journal of Science*, v. 1, p. 337-346.

DEWEY, Chester, 1824, A sketch of the geology and mineralogy of the western part of Massachusetts, and a small part of adjoining states: *The American Journal of Science, and Arts*, v. 8, p. 1-60.

DINGLER, Johann Gottfried (ed.), 1836, Naptha-Quelle in Amerika: *Polytechnische Journal*, v. 62, Stuttgart, p. 159.

DRAKE, Daniel, 1850, A Systematic Treatise, Historical, Etiological, and Practical, on the Principal Diseases of the Interior Valley of North America, as they appear in the Caucasian, African, Indian and Esquimaux varieties of its population: Winthrop B. Smith, Cincinnati, 878 p.

DUMAS, M., 1833, Combinations of carburetted hydrogen: *The American Journal of Science and Arts*, v. 23, p. 377-379.

DUMAS, and PELIGOT, 1836, A new carburetted hydrogen: *The American Journal of Science and Arts*, vol. XXX, no. 1, p. 180-181.

DUNBAR, William, and George HUNTER (Trey Berry et al., eds.), 2006, *The Forgotten Expedition*, 1804-1805, *the Louisiana Purchase Journals of Dunbar and Hunter*: LSU Press, Baton Rouge, 248 p.

DWIGHT, Henry E., 1820, Account of the Kaatskill Mountains: *The American Journal of Science, and Arts*, v. 2, p. 11-29.

EATON, Amos, 1820, An Index to the Geology of the Northern States, with Transverse Sections, Extending from the Susquehanna River to the Atlantic, Crossing Catskill Mountains. To Which is Prefixed a Geological Grammar: Parker, Troy, New York, 285 p. (2015 POD)

EATON, Amos, 1824a, A geological and agricultural survey of the district adjoining the Erie Canal in the state of New York, taken under the direction of the Hon. Stephen van Rensselaer. Part I. containing a description of the rock formations; together with a geological profile extending from the Atlantic to Lake Erie: Packard & Van Benthuysen, Albany, 163 p.

EATON, Amos, 1824b, Progress of the Geological Survey on the Grand Canal: *The American Journal of Science, and Arts*, v. 8, p. 195-198.

EATON, Amos, 1828, Geological nomenclature, classes of rocks, etc.: *The American Journal of Science and Arts*, v. 14, p. 145-159.

EATON, A., 1829, Gases, acids, and salts, of recent origin and now forming, on and near the Erie Canal, in the State of New-York; also living antediluvial animals: *The American Journal of Science and Arts*, v. 15, p. 233- (continued from v. 4, p. 368).

EATON, Amos, 1831a, Observations on the coal formations in the State of New York; in connexion [*sic*] with the great coal beds of Pennsylvania. From the *Transactions of the Albany Institute: The American Journal of Science and Arts*, v. 19, p. 21-26.

EATON, Amos, 1831b, Traveling term of Rensselaer School, for 1830, with a notice of the nature of the Institution: *The American Journal of Science and Arts*, v. 19, p. 151-159.

EMMONS, Ebenezer, 1832, Manual of Mineralogy and Geology: Webster and Skinner, Albany, 299 p.

EMMONS, E., 1839, Third Annual Report of E. Emmons, of the Survey of the Second Geological District, *in* SEWARD, William H., *Communication from the Governor, Relative to the Geological Survey of the State*: State of New-York Assembly No. 275, February 27, 1839, p. 201-239.

EMMONS, Ebenezer, 1852, *Report of Professor Emmons, on his Geological Survey of North Carolina*: Executive Document no. 13, S. Gales, Raleigh, 181 p.

EMMONS, Ebenezer, 1856, Geological Report of the Midland Counties of North Carolina: Raleigh, xx + 351 p.

ENCYCLOPEDIA BRITANNICA, 1771, Encylopædia Britannica; or, a Dictionary of Arts and Sciences, Compiled upon a New Plan, in Which the Different Sciences and Arts are Digested into Distinct Treatises or Systems; and the Various Technical Terms, &c. are Explained as they Occur in the Order of the Alphabet. Vol. I, A - B: Bell and MacFarquhar, Edinburgh, 697 p.

ENCYCLOPEDIA BRITANNICA, 1771, Encylopædia Britannica; or, a Dictionary of Arts and Sciences, Compiled upon a New Plan, in Which the Different Sciences and Arts are Digested into Distinct Treatises or Systems; and the Various Technical Terms, &c. are Explained as they Occur in the Order of the Alphabet. Vol. II, C - L: Bell and MacFarquhar, Edinburgh, 1011 p.

ENCYCLOPEDIA BRITANNICA, 1771, Encylopædia Britannica; or, a Dictionary of Arts and Sciences, Compiled upon a New Plan, in Which the Different Sciences and Arts are Digested into Distinct Treatises or Systems; and the Various Technical Terms, &c. are Explained as they Occur in the Order of the Alphabet. Vol. III, M - Z: Bell and MacFarquhar, Edinburgh, 954 p.

ENCYCLOPEDIA BRITANNICA, 1860, *The Encyclopedia Britannica, or Dictionary of Arts, Sciences, and General Literature, Eighth Edition, With Extensive Improvements and Additions; and Numerous Engravings*: Little, Brown, & Co., Boston, U. S., 22 volumes.

ENGELMANN, Henry, 1876, Appendix I. Report on the Geology of the Country Between Fort Leavenworth, Kansas, and the Sierra Nevada, near Carson Valley, *in* SIMPSON, James H., 1876, *Report of Explorations Across the Great Basin of the Territory of Utah for a Direct Wagon-Route from Camp Floyd to Genoa, in Carson Valley, in 1859.* U. S. GPO, Washington, p. 247-336. 1983 reprint, University Nevada Press. EVANS, Lewis, 1755, Middle British Colonies in America ... (map), *in* BARTRAM, John, Lewis Evans, and Conrad Weiser, 1973, *A Journey from Pennsylvania to Onondaga in 1743*: Imprint Society, Barre, Mass, p. 28.

FARADAY, Michael, 1845, On the liquefaction and solidification of bodies generally existing as gases: *The American Journal of Science and Arts*, v. 49, p. 373-378.

FEATHERSTONHAUGH, G. W., 1835, *Geological Report of an Examination Made in 1834, of the Elevated Country Between the Missouri and Red Rivers*: U. S. Congress, Washington, 97 p.

FEATHERSTONHAUGH, G. W., 1844, *Excursion Through the Slave States From Washington on the Potomac to the Frontier of Mexico; With Sketches of Popular Manners and Geological Notices*: Harper & Brothers, New York, 168 p.

FERRARA, Sig. Abate, 1825, An account of the earthquakes which occurred in Sicily, in March, 1823 (translated by W. S. Emerson): *The American Journal of Science and Arts*, v. 9, p. 216-239.

FEUCHTWANGER, Lewis, 1836, Peat, (turf,) [*sic*]its application to gas light: *The American Journal of Science and Arts*, vol. XXX, no. 1, p. 189.

FLEMING, Andrew, 1853, Report on the geological gtructure and gineral wealth of the Salt Range in the Punjaub; with maps, sections, etc.: *Journal of the Asiatic Society of Bengal*, vol. xxii, p. 229-279, 333-368, 444-462.

FLEMING, Sandford 1863, Notes on the present condition of the oil wells of Enniskillen: *The Canadian Journal of Industry, Science, and Art*, v. 8, no. 45, p. 246-249.

FLEMMING (FLEMING?), Andrew, 1848, Report on the Salt Range, and on its coal and other minerals: *Journal of the Asiatic Society of Bengal*, vol. xvii, pt. 2, p. 500-526.

FOLEY, William., 1835, Journal of a tour through the Island of Rambree, with a geological sketch of the country, and brief account of the customs, etc. of its inhabitants: *Journal of the Asiatic Society of Bengal*, vol. iv, p. 20-39, 82-94, 199-207.

FORBES, E., and T. A. B. SPRATT, 1846, On the Geology of Lycia: *Quarterly Journal of the Geological Society of London*, v. 2, p. 8-11.

FOREMAN, Grant, 1937, Adventure on Red River: Report on the Exploration of the Headwaters of the Red River by Captain Randolph B. Marcy and Captain G. B. McClellan: OU Press, Norman, 199 p.

FORSTER, George, 1798, A Journey from Bengal to England, Through the Northern Part of India, Kashmire, Afghanistan, and Persia, and into Russia, by the Caspian-Sea, Vol. 2: R. Faulder, London, 297 p.

FOSTER, J. W., 1838, Report of Mr. Foster, *in* MATHER, W. W., et al., *Second Annual Report on the Geological Survey of the State of Ohio*:Samuel Medary, Columbus, 8vo., p. 73-107.

FOSTER, J. W., and WHITNEY, 1851, *Report on the Geology of the Lake Superior Land District: Part II, the Iron Region, together with the General Geology:* Senate Executive Document 4, Washington, 406 p.

FRANKLAND, E., 1854, Observations, economical and sanatory, on the employment of chemical light for artificial illumination: *The American Journal of Science and Arts*, v. 18 Series II, p. 295-300.

FRANKLIN, Benjamin, 1762, Oil and Water: Correspondence to John Pringle, Philadelphia, Dec. 1, 1762, p. 794-795, *in* FRANKLIN, Benjamin, 1987, *Writings: Boston and London, 1722-1726; Philadelphia, 1726-1757; London, 1757-1775; Paris, 1776-1785; Philadelphia, 1785-1790; Poor Richard's Almanac, 1733-1758; The Autobiography.* The Library of America, 1605 p.

FRANKLIN, Benjamin, 1773, Oil on Water: Correspondence to William Brownrigg, London, Nov. 7, 1773, p. 889-898, *in* FRANKLIN, Benjamin, 1987, *Writings: Boston and London, 1722-1726; Philadelphia, 1726-1757; London, 1757-1775; Paris, 1776-1785; Philadelphia, 1785-1790; Poor Richard's Almanac, 1733-1758; The Autobiography.* The Library of America, 1605 p.

FRANKLIN, Benjamin, 1774, Flame on New Jersey Rivers: Correspondence to Joseph Priestley, Craven Street, April 10, 1774, p. 902-904, *in* FRANKLIN, Benjamin, 1987, *Writings: Boston and London, 1722-1726; Philadelphia, 1726-1757; London, 1757-1775; Paris, 1776-1785; Philadelphia, 1785-1790; Poor Richard's Almanac, 1733-1758; The Autobiography.* The Library of America, 1605 p.

FRANKLIN, John, 1823, Route of the expedition from Isle a la Crofse to Fort Providence (map): *Narrative of a Journey to the Shores of the Polar Sea in the Years 1819, 20, 21, and 22*. Reproduced in SIMPSON, George, 1821 (1938), *Journal of Occurrences in the Athabasca Department by George Simpson, 1820 and 1821, and Report* (E. E. Rich, ed.): The Champlain Society for The Hudson's Bay Record Society, London, 498 p.

FRITZSCHE, 1859, On new hydrocarbons and a new property of these bodies: The American Journal of Science and Arts, Second Series, vol. XXVII, no. 79, p. 120.

FULLER, George N. (ed.), 1928, *Geological Reports of Douglass Houghton, First State Geologist of Michigan* 1837-1845: Michigan Historical Commission, Lansing, 700 p.

FYFE, Andrew, 1824a, On the comparative vale of oil and coal gas: *The Edinburgh Philosophical Journal*, v. 11, p. 171-186.

FYFE, Andrew, 1824b, On the illuminating power of coal-gas, and oil-gas:*The Edinburgh Philosophical Journal*, v. 11, p. 367-376.

FYFE, Andrew, 1849, On the comparative value of different kinds of coal for the purpose of illumination; and on methods not hitherto practised for ascertaining the value of the gases they afford: *The American Journal of Science and Arts*, v. 7 Series II, p. 77-86, 157-167.

FYFE, Andrew, 1852, On the Manufacture of hydrocarbon coal gas from Boghead coal: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 54 (3<sup>rd</sup> series 24), p. 347-353, 399-405.

GAGE, Thomas, 1958, *Thomas Gage's Travels in the New World*: J. Eric S. Thompson (ed.), University of Oklahoma Press, Norman, 379 p. (Originally published as The English-American, 1648)

GALE, L. D., 1855, On the relations of the American patent system to the progress in science: *Proceedings of the American Association for the Advancement of Science. Eighth Meeting, Held at Washington, D. C., May, 1854.* Joseph Lovering, Cambridge, p. 292-301.

GESNER, Abraham, 1836, *Remarks on the Geology and Mineralogy of Nova Scotia*: Gossip & Coade, Halifax, 272 p.

GESNER, Abraham, 1840, Second *Report on the Geological Survey of the Province of New-Brunswick*: Henry Chubb, Saint John, 72 p. (missing p. 25-32)

GESNER, Abraham, 1841, *Third Report on the Geological Survey of the Province of New-Brunswick*: Henry Chubb, Saint John, 80 p.

GESNER, Abraham, 1850, *Prospectus of Gesner's Patent Kerosene Gas, Obtained from Bitumen, Asphaltum, or Mineral Pitch*: New-York, November 16, 1850, 17 p.

GIBBS, George, 1851, Map of an Exploring Expedition to the Rocky Mountains in the year 1842 and to Oregon & North California in the years 1843-44 by Brevet Capt. J. C. Fremont of the Corps of Topographical Engineers under the orders of Col. J. J. Abert, Chief of the Topographical Bureau ...: (incorporating material from SMITH, Jedediah, 1831), *in* WHEAT, Carl I., 1958, 1540-1861 *Mapping the Transmississippi West, Volume Two, From Lewis and Clark to Fremont 1804-1845*. The Institute of Historical Cartography, San Francisco, p. 137 and map opposite p. 128.

GOETHE, Johann Wolfgang von, 1952, *Faust, Parts One and Two*. Hutchins, Robert Maynard (ed.), Great Books of the Western World 47, Encyclopedia Britannica, Chicago, 294 p.

GOGOL, Nicholai V., 1965 (1842), *Dead Souls*, Volume Two: Bernard Guilbert Guerney (translator), The Modern Library, New York, 549 p.

GOODWYN, Captain, 1843, Memoir on the application os asphaltic mastic, to flooring, roofing, and hydraulic worksin India: *Journal of the Asiatic Society of Bengal*, vol. 12, p. 534-541.

GORDON, T. F., 1836, Gazetteer of the State of New York, Philadelphia, T.K. and P.G. Printing, 801 p.

GRAHAM, Professor, 1846, A report on the composition of the fire-damp of the Newcastle coal mines, and the means of preventing accidents from its explosion: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 41 (11 3rd Series), Philadelphia, p. 64-66.

GRANVILLE, Dr., 1827, Embalming: The American Journal of Science and Arts, v. 12, p. 183-184.

GREGORY, William., 1835, On the composition of the Rangoon petroleum, with remarks on the composition of petroleum and naphtha in general: *Journal of the Asiatic Society of Bengal*, v. 4, p. 527-528.

GRISCOM, Professor, 1821, 6. Portable gas lamps: *in* II. Foreign literature and science, *The American Journal of Science and Arts*, Vol. III, p. 371.

GRISCOM, Professor, 1821, 49. Gas illumination: *in* II. Foreign literature and science, *The American Journal of Science and Arts*, Vol. III, p. 385.

GUTHRIE, William, 1820, A *Universal Geography; or, a View of the Present State of the Known World, Vol. II*, Europe and Asia: Benjamin Warner, Philadelphia, 640 p.

GUTHRIE, 1849, Mineral Naphtha a Remedy for Cholera: *Pharmaceutical Journal and Transactions*, vol. viii, p. 43.

HALL, Professor, 1825, Description of minerals from Palestine: *The American Journal of Science and Arts*, v. 9, p. 337-351.

HALL, James, 1838, Second annual report of the fourth geological district of New-York, *in* MARCY, W. L., *Communication from the Governor, relative to the Geological Survey of the State*: State of New-York Assembly No. 200, February 20, 1838, p. 287-374.

HALL, James, 1839, Third annual report of the fourth geological district of the state of New-York, *in* SEWARD, William H., *Communication from the Governor, Relative to the Geological Survey of the State*: State of New-York Assembly No. 275, February 27, 1839, p. 287-339.

HALL, James, 1840, Fourth annual report of the survey of the fourth geological district, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, p. 389-456.

HALL, James, 1841, Fifth annual report of the fourth geological district, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 150, February 17, 1841, p. 149-179.

HALL, James, 1843, *Geology of New York. Part IV, Comprising the Survey of the Fourth Geological District:* Carroll & Cook, Albany, 525 p.

HALL, James, and J. D. WHITNEY, 1858, *Report of the Geological Survey of the State of Iowa: Embracing the Results of Investigations Made During Portions of the Years 1855, 56 & 57. Vol. I, Part I: Geology.* Legislature of Iowa, Albany, 8vo., xv + 472 p.

HALL, James, and J. D. WHITNEY, 1862, *Report of the Geological Survey of the State of Wisconsin. Vol. I*: Legislature of Wisconsin, 455 p.

HALLECK, Lieut. H. Wager, 1841, *Bitumen; Its Varieties, Properties, and Uses, Compiled from Various Sources:* Papers on Practical Engineering, published by the Engineer Department, for the use of Officers of the United States Corps of Engineers, under the Direction of Col. J. G. Totten, Chief Engineer. Peter Force, Washington, 206 p.

HALLECK, H. W., 1842, Use of bituminous cements in Europe, and in the United States: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 33 (3 3rd Series), Philadelphia, p. 293-303.

HANNAY, P. S. Capt., 1845, On the Assam petroleum beds: *Journal of the Asiatic Society of Bengal*, v. XIV, p. 817-821.

HANWAY, Jonas, 1753, An Historical Account of the British Trade over the Caspian Sea, with a Journal of Travels from London through Russia into Persia, and back again through Russia, Germany, and Holland, vol. 1 (of 4): London, 399 p.

HARKNESS, R., 1855, On the anthraciteic schists and the fucoidal remains occurring in the Lower Silurian rocks of the South of Scotland: *Quarterly Journal of the Geological Society of London*, v. 11, p. 468-473.

HATCHETT, Charles, 1804, Observations on the Change of Some of the Proximate Principles of Vegetables into Bitumen: with Analytical Experiments on a Peculiar Substance Which is Found with the Bovey Coal: p. 159-161. Abstract of paper printed in *Philosophical Transactions of the Royal Society of London*, 1800, vol. I.

HATCHETT, Charles, 1805, Observations on the Change of Some of the Proximate Principles of Vegetables into Bitumen: with Analytical Experiments on a Peculiar Substance Which is Found with the Bovey Coal (from the *Philosophical Transactions* for 1804): *A Journal of Natural Philosophy, Chemistry, and the Arts*, v. 10, London, p. 181-200.

HAYES, A. A., 1859, On some modified results attending the decomposition of bituminous coals by heat: *The American Journal of Science and Arts*, Second Series, vol. XXVII, no. 80, p. 294-295.

HAYES, Geo. E., 1837, Remarks on the geology of western New York: *The American Journal of Science and Arts*, v. 31, p. 241-247.

HAYES, P., 1824, An account of the inflammable springs in Ontario County, State of New-York, in a letter to the Hon. Stephen Van Rensselaer: *The New-York Medical and Physical Journal*, v. 3, New-York, p. 49-54.

HEDBERG, Hollis, 1988, *The 1740 Description by Daniel Tilas of Stratigraphy and Petroleum Occurrence at Osmundsberg in the Siljan Region of Central Sweden*: AAPG, Tulsa, 96 p.

HENRY, Dr., 1821, Dr. Henry on coal and oil gas: The Edinburgh Philosophical Journal, vol. V, p. 223-224.

HENRY, M. (the younger), 1828, Comparative analysis of the elastic bitumen of England and France: *The American Journal of Science and Arts*, v. 14, p. 371-372.

HENRY, W., 1805, Experiments on the gases obtained by the destructive distillation of wood, peat, pit-coal, oil, wax, etc. with a view to the theory of their combustion, when employed as sources of artificial light; and including observations on hydrocarburets in general, and the carbonic oxide: *A Journal of Natural Philosophy, Chemistry, and the Arts*, ser. 2, vol. xi, London, p. 65-74.

HENRY, Wm., 1827, Action of platinum on combustible gases mixed with oxigen: *The American Journal of Science and Arts*, v. 12, p. 181-183.

HERMANN, M., 1835, On a substance called inflammable snow: *The American Journal of Science and Arts*, v. 28, p. 361.

HERNDON, Wm. Lewis, and GIBBON, Lardner, 1854, *Exploration of the Valley of the Amazon, Made Under Direction of the Navy Department. Part I, by Lieut. Herndon:* U. S. House of Representatives, Executive No. 53, Washington, 417 p.

HERODOTUS, 1942, The Persian Wars: Translated by George Rawlinson. The Modern Library, New York, 714 p.

HILDRETH, S. P., 1826, Facts relating to certain parts of the state of Ohio: *The American Journal of Science and Arts*, vol. X, p. 1-8.

HILDRETH, S. P., 1833, Observations on the saliferous rock formation, in the valley of the Ohio: *The American Journal of Science and Arts*, vol. XXIV, p. 46-68.

HILDRETH, Samuel P. (chairman), 1836, *Report of the Special Committee Appointed by the Last Legislature to Report on the Best Method of Obtaining a Complete Geological Survey of the State of Ohio*: James B. Gardiner, Columbus, 18 p.

HILDRETH, S. P., 1836b, Observations on the bituminous coal deposits of the valley of the Ohio, and the accompanying rock strata; with notices of the fossil organic remains and the relics of vegetable and animal bodies, illustrated by a geological map, by numerous drawings of plants and shells, and by views of interesting scenery: *The American Journal of Science and Arts*, vol. XXIX, January 1836, p. 154 p.

HILDRETH, S. P., 1838, Report of Dr. S. P. Hildreth, first assistant geologist, *in* MATHER, W. W., et al., *First Annual Report on the Geological Survey of the State of Ohio*. Samuel Medary, Columbus, p. 25-63.

HILGARD, Eug. W., 1860, *Report on the Geology and Agriculture of the State of Mississippi*: E. Barksdale, Jackson, 391 p.

HILL, John, 1751, A History of the Materia Medica. Containing Descriptions of all the Substances Used in Medicine; their Origin, their Characters when in Perfection, the Signs of their Decay, their Chemical Analysis, and an Account of their Virtues, and of the several Preparations from them now used in the Shops: Longman, Hitch and Halls, London, 895 p.

HITCHCOCK, Edward, 1823, A sketch of the geology, mineralogy, and scenery of the regions contiguous to the River Connscticut; with a geological map and drawings of organic remains; and occasional botanical notices. Part I: *The American Journal of Science, and Arts*, v. 6, Part I, p. 1-86; Part II, p. 201-236.

HITCHCOCK, Edward, 1835, Report on the Geology, Mineralogy, Botany, and Zoology of Massachusetts, Made and Published by Order of the Government of that State: Amherst, 702 p.

HITCHCOCK, Edward, 1838, *Report of a Re-examination of the Economical Geology of Massachusetts*: Dutton and Wentworth, Boston, 139 p.

HITCHCOCK, Edward, 1841, Final Report on the Geology of Massachusetts: Vol. II containing III. Scientific Geology. IV. Elementary Geology: J. H. Butler, Northampton, p. 301-831.

HITCHCOCK, Edward, 1843, Notes on the geology of several parts of western Asia: founded chiefly on specimens and descriptions from American missionaries: *Reports on the First, Second, and Third Meetings of the Association of American geologists and Naturalists at Philadelphia in 1840 and 1841, and at Boston in 1842. Embracing its Proceedings and Transactions*. Gould, Kendall, & Lincoln, Boston, p. 348-421.

HITCHCOCK, Edward, 1855, Elementary Geology, 25th edition: Ivison & Phinney, New York, 418 p.

HITCHCOCK, Edward, 1856, Outline of the Geology of the Globe, and of the United States in Particular: with Two Geological Maps, and Sketches of Characteristic American Fossils, 3<sup>rd</sup> edition: Phillips, Sampson, & Co., Boston, 136 p.

HITCHCOCK, Edward, Edward HITCHCOCK, Jr., Albert D. HAGER, and Charles H. HITCHCOCK, 1861a, *Report on the Geology of Vermont: Descriptive, Theoretical, Economical, and Scenographical. Vol. I*: Claremont, N. H., 4to., 558 p.

HITCHCOCK, Edward, Edward HITCHCOCK, Jr., Albert D. HAGER, and Charles H. HITCHCOCK, 1861b, *Report on the Geology of Vermont: Descriptive, Theoretical, Economical, and Scenographical. Vol. II*: Claremont, N. H., 4to., p. 559-988.

HOFMAN, Augustus William, 1844, A chemical investigation of the organic bases contained in coal-gas naptha: *The London, Edinburgh, and Dublin Philosophical Magazine, and Journal of Science*, Third Series, no. 159, April, 1844, London, p. 261-267.

HOGG, Thomas, 1825, A Manual of Mineralogy; in Wich [sic] is Shown How Much Cornwall Contributes to the Illustration of the Science: W. Polyblank, High Cross, 245 p.

HOLLAND, John, 1835, *The History and Description of Fossil Fuel, the Collieries, and Coal Trade of Great Britain*: Whittaker and Co., London, 485 p.

HOLY BIBLE, Containing the Old and New Testaments Translated out of the Original Tongues and with the Former Translations Diligently Compared and Revised by His Majesty's Special Command. Appointed to be Read in Churches. Authorized King James Version: Collins' Clear-Type Press, London.

HORSFORD, E. N., 1840, Appendix to the geological report of the fourth district, report of E. N. Horsford, to James Hall, on the geology of Cattaraugus County, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, p. 457-472.

HOUGH, F. B., 1845, Burning well: The American Journal of Science and Arts, v. 49, p. 406-407.

HOW, Henry, 1860, On an oil-coal found near Pictou, Nova Scotia; and the comparative composition of the minerals often included in the term coals: *The American Journal of Science and Arts,* Second Series, vol. XXX, p. 74-79.

HUBBARD, Oliver P., 1841, Notice of geological surveys: Second Annual Report on the Geological Survey of the State of Ohio: The American Journal of Science and Arts, v. 40, p. 126-133.

HULL, Edward, 1861, The Coal-Fields of Great Britain: Their History, Structure, and Resources, with Notices of the Coal-Fields of Other Parts of the World: Edward Stanford, London, 277 p.

HUMBOLDT, F. A., 1801, Esquisse (1) d'un Tableau Géologique d'e L'Amérique Méridionale: *Journal de Physique, de Chimie, D'Histoire Naturelle et des Arts*, Tome III, p. 30-60.

HUMBOLDT, Alexander de, 1811, *Political Essay on the Kingdom of New Spain*, Vol. 2: Translated from French by John Black. Longman, Hurst, Rees, Orme, and Brown, London. 1966 facsimile AMS Press, New York, 531 p.

HUMBOLDT, Alexander Von, 1815, *Personal Narrative of Travels to the Equinoctial Regions of America, During the Years 1799-1804*, by Alexander de Humboldt & Aime Bonpland. Translated from French by Helen Maria Williams. M. Carey, Philadelphia, 432 p.

HUMBOLDT, Alexander von, 1823, A Geognostical Essay on the Superposition of Rocks in Both Hemispheres: Longman et al., London, 481 p. Kessinger Publishing Reprint.

HUMBOLDT, Alexander von, 1831, *Fragmens de Geologie et de Climatologie Asiatiques*, Tome Premier. Paris, 309 p. 2012 Cambridge University reprint

HUMBOLDT, Alexander von, 1831, *Fragmens de Geologie et de Climatologie Asiatiques*, Tome Second. Paris, p. 309-640. 2012 Cambridge University reprint

HUMBOLDT, A. De, 1843, Asie Centrale: Recherches sur les Chaines de Montagnes et la Climatologie Comparee, tome premier: Paris, 571 p.

HUMBOLDT, A. De, 1843, Asie Centrale: Recherches sur les Chaines de Montagnes et la Climatologie Comparee, tome deuxieme: Paris, 559 p.

HUMBOLDT, Alexander von, 1850, Aspects of Nature, in Different Lands and Different Climates; with Scientific Elucidations: Translated by Mrs. Sabine. Longman, Brown, Green, and Longman, London, 285 + 347 p.

HUMBOLDT, Alexander Von, 1850, *Views of Nature: or Contemplations on the Sublime Phenomena of Creation; with Scientific Illustrations*: Translated from the German by E. C. Otte & Henry G. Bohn. Henry G. Bohn, London, 452 p.

HUMBOLDT, Alexander Von, 1852, Personal Narrative of Travels to the Equinoctial Regions of America, During the Years 1799-1804, by Alexander Von Humboldt & Aime Bonpland, Vol I: Translated and edited by Thomasina Ross. Henry G. Bohn, London, 505 p.

HUMBOLDT, Alexander Von, 1852, Personal Narrative of Travels to the Equinoctial Regions of America, During the Years 1799-1804, by Alexander Von Humboldt & Aime Bonpland, Vol II: Translated and edited by Thomasina Ross. Henry G. Bohn, London, 521 p.

HUMBOLDT, Alexander Von, 1852, Personal Narrative of Travels to the Equinoctial Regions of America, During the Years 1799-1804, by Alexander Von Humboldt & Aime Bonpland, Vol III: Translated and edited by Thomasina Ross. Henry G. Bohn, London, 442 p.

HUMBOLDT, Alexander, 1856, *The Island of Cuba*: Translated from the Spanish with notes and a preliminary essay by J. S. Thrasher. Derby and Jackson, New York, 397 p.

HUMBOLDT, Alexander Von, 1858a, *Cosmos: A Sketch of a Physical Description of the Universe*: Vol. I (Cosmos Vol. I & II), translated from the German by E. C. Otté. Harper & Bros., NY, 367 p.

HUMBOLDT, Alexander Von, 1858b, *Cosmos: A Sketch of a Physical Description of the Universe*: Vol. II (Cosmos Vol. III, IV, & V), translated from the German by E. C. Otté. Harper & Bros., NY, 462 p.

HUMBOLDT, Alexander Von, 1893, *Cosmos: A Sketch of a Physical Description of the Universe. Vol. I*: Translated by E. C. Otte. George Bell & Sons, London, 369 p.

HUMBOLDT, Alexander Von, 1892, *Cosmos: A Sketch of a Physical Description of the Universe. Vol. II:* Translated by E. C. Otte. George Bell & Sons, London, p. 370-742.

HUMBOLDT, Alexander Von, 1891, *Cosmos: A Sketch of a Physical Description of the Universe. Vol. V:* Translated by E. C. Otte. George Bell & Sons, London, 500 p.

HUMBOLDT, Alexander Von, 2004 (1847-1862), Kosmos: Entwurf einer Physischen Weltbeschreibung. Ediert und mit einem Nachwort versehen von Ottmar Ette und Oliver Lubrich: Eichborn Verlag, Frankfurt, 943 p.

HUMBOLDT, Alexander Von, 2011, *Political Essay on the Island of Cuba*: A Critical Edition, edited and translated by Vera M. Kutzinski et al. University of Chicago Press, 519 p.

HUMBOLDT, Alexander von, 2012, Views of the Cordilleras and Monuments of the Indigenous Peoples of the Americas, a Critical Edition: Edited with an introduction by Vera M. Kutzinski and Ottmar Ette, translated by F. Ryan Poynter, with annotations by Giorleny D. Altamirano Rayo and Tobias Kraft. University of Chicago Press, Chicago, 618 p.

HUNT, T. S., 1849, Report of T. S. Hunt, Esq., Chemist and Mineralogist to the Provincial Geological Survey, addressed to W. E. Logan, Esq., Provincial Geologist, in LOGAN, W. E., Geological Survey of Canada. Report of Progress for the Year 1847-8. Lovell & Gibson, Montreal, p. 125-165.

HUNT, T. S., 1849b, Chemical examination of the water of the Tuscarora Sour Spring, and of some other mineral waters of Western Canada: *The American Journal of Science and Arts*, v. 8 Series II, p. 364-372.

HUNT, T. S., 1850a, Report of T. S. Hunt, Esq., Chemist and Mineralogist to the Provincial Geological Survey, addressed to W. E. Logan Provincial Geologist, *in* Logan, W. E., *Geological Survey of Canada. Report of Progress for the Year 1848-49*: Lovell & Gibson, Toronto, p. 47-65.

HUNT, T. S., 1850b, Report of T. S. Hunt, Esq., Chemist and Mineralogist to the Provincial Geological Survey, addressed to W. E. Logan Provincial Geologist, *in* Logan, W. E., *Geological Survey of Canada. Report of Progress for the Year 1849-50*: Lovell & Gibson, Toronto, p. 73-106.

HUNT, T. S., 1850c, Chemical examinations of the waters of some of the mineral springs of Canada: *The American Journal of Science and Arts*, Second Series, vol. IX, p. 266-275.

HUNT, T. S., 1851, On the mineral springs of Canada: *The American Journal of Science and Arts*, v. 11 Series II, p. 174-181.

HUNT, T. S., 1852a, Report of T. S. Hunt, Esq., Chemist and Mineralogist to the Provincial Geological Survey, addressed to W. E. Logan, Provincial Geologist, *in* LOGAN, W. E., *Geological Survey of Canada. Report of Progress for the Year 1850-51*: John Lovell, Quebec, p. 35-54.

HUNT, T. S., 1854, Report of T. S. Hunt, Esq., Chemist and Mineralogist to the Provincial Geological Survey, addressed to W. E. Logan, Provincial Geologist, *in* LOGAN, W. E., 1854, *Geological Survey of Canada. Report of Progress for the Year 1852-53*: Lovell & Lamoureux, Quebec, p. 153-179.

HUNT, T. Sterry, 1857a, Report for the year 1853, of T. Sterry Hunt, Esq., Chemist and Mineralogist to the Geological Survey of Canada, addressed to William E. Logan, Esq., F. R. S., Provincial Geologist, *in* LOGAN, W. E., *Geological Survey of Canada: Report of Progress 1853-54-55-56*: John Lovell, Toronto, p. 347-371.

HUNT, T. Sterry, 1857a, Rapport de l'annee 1853, par T. Sterry Hunt, Ecr., Chimiste et Mineralogise de la Commission Geologique du Canada, adresse a William E. Logan, ECR, F. R. S., Geologue Provincial, *in* LOGAN, W. E., *Exploration Geologique du Canada: Rapport de Progres Pendant les Annees 1853-54-55-56*: John Lovell, Toronto, p. 361-385.

HUNT, T. Sterry, 1857b, Report for the year 1855, of T. Sterry Hunt, Esq., Chemist and Mineralogist to the Geological Survey of Canada, addressed to Sir W. E. Logan, F. R. S., Director of the Geological Survey of Canada, *in* LOGAN, W. E., *Geological Survey of Canada: Report of Progress 1853-54-55-56*: John Lovell, Toronto, p. 391-429.

HUNT, T. Sterry, 1857b, Rapport de l'annee 1855, par T. Sterry Hunt, Ecr., Chimiste et Mineralogise de la Commission Geologique, adresse a Sir William Edmond Logan, F. R. S., Directeur de la Commission Geologique du Canada, *in* LOGAN, W. E., *Exploration Geologique du Canada: Rapport de Progres Pendant les Annees 1853-54-55-56*: John Lovell, Toronto, p. 405-443.

HUNT, T. Sterry, 1858, Report for the year 1857, of T. Sterry Hunt, Esq., Chemist and Mineralogist to the Geological Survey of Canada, addressed to Sir W. E. Logan, F. R. S., Director of the Geological Survey of Canada, *in* LOGAN, W. E., *Geological Survey of Canada. Report of Progress for the Year 1857*: John Lovell, Toronto, p. 115-136.

HUNT, T. Sterry, 1858, Rapport de l'annee 1857 de M. T. Sterry Hunt, chimiste et mineralogiste de l'exploration geologique du Canada, adresse a Sir W. E. Logan, F. R. S., Directeur de L'Exploration Geologique du Canada, *in* LOGAN, W. E., *Exploration Geologique du Canada: Rapport de Progres Pendant l'Annee 1857*: John Lovell, Toronto, 135 p.

HUNT, T. Sterry, 1858b, On the theory of igneous rocks and volcanoes: *The Canadian Journal of Industry, Science, and Art*, New series, vol. XV, Toronto, p. 201-208.

HUNT, T. Sterry, 1862, Notes on the history of petroleum or rock oil: *Annual Report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the institution for the year 1861*. House of Representatives Miscellaneous Document 77, 37th Congress, 2nd Session, Government Printing Office, Washington, p. 319-329.

HUTTON, James, 1788, Theory of the Earth; or an investigation of the laws observable in the composition, dissolution, and restoration of land upon the globe: *Transactions of the Royal Society of Edinburgh*, vol. I, Part II, p 209-304 [33-131], *in* WHITE, George W. (ed.), 1970, *James Hutton's System of the Earth*, 1785; *Theory of the Earth*, 1788; *Observations on Granite*, 1794; *Together with Playfair's Biography of Hutton*: Hafner Publishing Co., Darien, Conn., 203 p.

IMBERT, M., 1828, Lettre de M. Imbert, missionaire apostolique, à M. \*\*\*, Ou-Tong-Kiao, Kiating fou, septembre 1826: *Annales de la Propagation de la Foi*, tome iii, p. 369-376.

IMBERT, M., 1828, Autre lettre du méme à Monsieur \*\*\*, 13 septembre 1827: *Annales de la Propagation de la Foi*, tome iii, p. 376-381.

IMBERT, M., 1830, Salt wells and sprngs of inflammable gas in China: *The Edinburgh New Philosophical Journal, Exhibiting a View of the Progressive Discoveries and Improvements in the Science and the Arts*, January-April 1830, p. 108-112.

IRVING, Washington, 1869, *The Adventures of Captain Bonneville, U. S. A., in the Rocky Mountains and the Far West. Digested from his journal and illustrated from various other sources*: Author's Revised Edition. G. P. Putnam and Son, New York, 428 p.

ISBISTER, A. K., 1855, On the geology of the Hudson's Bay Territories, and of portions of the Arctic and northwestern regions of America; with a coloured Geological Map: *Quarterly Journal of the Geological Society of London*, v. 11, p. 497-520.

ISBISTER, A. K., 1856, On the geology of the Hudson's Bay Territories, and of portions of the Arctic and northwestern regions of America: *The American Journal of Science and Arts*, v. 22 Series II, p. 313-338.

JACKSON, Charles T., 1838, Miscellaneous remarks on certain portions of the geology of Maine: *The American Journal of Science and Arts*, v. 34, p. 69-73, 395.

JACKSON, Charles T., 1840, Report on the Geological and Agricultural Survey of the State of Rhode-Island, Made Under a Resolve of the Legislature in the Year 1839: B. Cranston & Co., Providence, 8vo., 312 p., maps and section.

JACKSON, C. T., 1851, On the asphaltic coal of New Brunswick: *The American Journal of Science and Arts*, v. 11 Series II, p. 292-293.

JACKSON, C. T., 1851, Description of asphaltum recently discovered in New Brunswick: *Proceedings of the Boston Society of Natural History*, vol. III, 1848-1851, p. 279-280.

JACKSON, C. T., 1852, Reports on the Albert Coal Mine: *The American Journal of Science and Arts*, v. 13 Series II, p. 276-277.

JACKSON, C. T., 1856, Geology of parts of New Brunswick and Nova Scotia: *Proceedings of the Boston Society of Natural History*, vol. V, 1854-1856, p. 242-245.

JACKSON, Charles T., and ALGER, Francis 1832, Remarks on the Mineralogy and Geology of the Peninsula of Nova Scotia, Accompanied by a Colored Map, Illustrative of the Structure of the Country, and by Several Views of its Scenery: *Memoirs of the American Academy of Arts and Sciences*, Metcalf, Cambridge, p. 50-330.

JACKSON, Charles T., GESNER, Abraham, TAYLOR, Richard C., BACON, John, Jr., PERCIVAL, J. G., HAYES, Augustus A., CHILTON, James R., HUDSON, George C., URE, Andrew, TORREY, John, BOOTH, Jas. C., PENNEY, Frederick, FOULIS, Robert, SILLIMAN, B., Jr., and SILLIMAN, B., Sr., 1851, *Reports on the Geological Relations, Chemical Analyses, and Microscopic Examination of the Coal of the Albert Coal Mining Co., Situated in Hillsboro, Albert Co., New Brunswick*: George F. Nesbitt, New York, 48 p.

JACKSON, R. M. S., 1860, The Mountain: J. B. Lippincott & Co., Philadelphia, 632 p.

JAMES, Edwin, 1823, Account of an Expedition from Pittsburgh to the Rocky Mountains, Performed in the Years 1819 and '20, by Order of The Hon. J. C. Calhoun, Sec'y of War: Under the Command of Major Stephen H. Long,

from the Notes of Major Long, Mr. T. Say, and Other Gentlemen of the Exploring Party: Vol. 1, H. C. Carey and I. Lea, Philadelphia, 503 p.

JAMESON, Robert, 1821, Manual of Mineralogy: Containing an Account of Simple Minerals, and also a Description and Arrangement of Mountain Rocks: Archibald Constable, Edinburgh, 501 p.

JARMAN, Thomas, 1821, On gas lights: The American Journal of Science and Arts, Vol. III, p. 170-173.

JEFFERSON, Thomas, 1785, Notes on the State of Virginia: 1964 reprint, Harper & Row, New York, 228 p.

JENKINS, R., 1838, [Announcement of two new sites of Coal in Assam]: *Journal of the Asiatic Society of Bengal*, vol. vii, p. 169-170.

JENKINS, John S., 1850, Voyage of the U. S. Exploring Squadron, Commanded by Captain Charles Wilkes, of the United States Navy, in 1838, 1839, 1840, 1841, and 1842: Together With Explorations and Discoveries Made by Admiral D'Urville, Captain Ross, and Other Navigators and Travelers; and an Account of the Expedition to the Dead Sea, Under Lieutenant Lynch: James M. Alden, Auburn, 517 p.

JOHNSTON, Adam, 1850, Indians of California, no. 26, September 16, 1850, *in* LEA, L., *Annual Report of the Commissioner of Indian Affairs, Transmitted with the Message of the President at the Opening of the Second Session of the Thirty-Second Congress, 1850, with an Appendix:* Washington, p. 91-93. http://digicoll.library.wisc.edu/cgi-bin/History/Historyidx?type=turn&id=History.AnnRep4650&entity=History.AnnRep4650.p0933 (Accessed 06/21/2016)

JOHNSTON, Lieut. A. R., 1845, Remarks on the geology of the vicinity of Fort Washita, *in* Abstract of the *Proceedings of the Sixth Annual Meeting of the Association of American Geologists and Naturalists, Held in New Haven, Conn., April 1845*: B. L. Hamlen, New Haven, p. 75-77.

JOHNSTON, J. F. W., 1850, *Report on the Agricultural Capabilities of the Province of New Brunswick*, Fredericton, 262 p.

JOHNSTON, Jas. F. W., 1860, *Lectures on the applications of chemistry and geology to agriculture*: Saxton, Barker & Co., New York, 619 p. + 89 p. appendix.

JOHNSTON, John, 1843, A Manual of Chemistry, on the Basis of Dr. Turner's Elements of Chemistry; Containing, in a Condensed Form, all the Most Important Facts and Principles of the Science: Thomas, Cowperthwait & Co., Philadelphia, 480 p.

KAEMPFER, Engelbertus, 1727, The History of Japan: J. G. Scheuchzer (trans.), London, Translator, 392 p.

KENNGOTT, Dr., 1856, On pianzite from Styria: *Quarterly Journal of the Geological Society of London*, v. 12, p. 14-15.

KIER, Samuel M., 1849, Kier's Rock Oil (p. 56-57 and opp. 83), *in* HENRY, J. T., 1873, *The Early and Later History of Petroleum, with Authentic Facts in Regard to its Development in Western Pennsylvania*: Jas. B. Rodgers Co., Philadelphia, 607 p.

KINNEIR, John Macdonald, 1813, A *Geographical Memoir of the Persian Empire, Accompanied by a Map*: John Murray, London, 486 p.

KIRWAN, Richard, 1796, Of the Composition and Proportion of Carbon in Bitumens and Mineral Coal: *Transactions of the Royal Irish Academy*, vol. 6, p. 141-167.

KIRWAN, Richard, 1799, Geological Essays: T. Bensley, London, 502 p.

KIRWAN, Richard, 1810, Elements of Mineralogy, v. 1, 3rd edition: Printed for J. Mackinlay, London, 452 p.

KIRWAN, Richard, 1810, Elements of Mineralogy, v. 2, 3rd edition: Printed for J. Mackinlay, London, 459 p.

KLAPROTH, Julius Von, 1814, *Travels in the Caucasus and Georgia, Performed in the Years 1807 and 1808, by Command of the Russian Government, Aulic Counsellor to His Majesty the Emperor of Russia, Member of the Academy of Sciences of St. Petersburgh, etc.* (Translated from the German by F. Shoberl): Henry Colburn, London, 421 p.

KLAPROTH, M., 1831, Phénomenes volcaniques en Chine, au Japon et en d'autres parties de L'Asie Orientale: *in* HUMBOLDT, Alexander von, 1831, *Fragmens de Geologie et de Climatologie Asiatiques*, Tome Second. Paris, p. 619-620.

KLAPROTH, M., 1843, Phénomenes volcaniques en Chine, au Japon et en d'autres parties de L'Asie Orientale: *in* HUMBOLDT, A. De, 1843, *Asie Centrale: Recherches sur les Chaines de Montagnes et la Climatologie Comparee, tome deuxieme*: Paris, p. 519-550.

KNOX, George, 1823, On Bitumen in Stones: *The Philosophical Transactions of the Royal Society of London*, XXX, p. 517-528.

KNOX, George, 1823b, Bitumen, and a volatile fluid in minerals: *The Edinburgh Philosophical Journal*, vol. IX, p. 403.

KNOX, George, 1827, Bitumen, and other volatile ingredients, in stones: *The American Journal of Science and Arts*, v. 12, p. 147-149.

KRAYNAG, M., 1857, Analysis of some asphaltic slates and limestones from Seefeld in the Tyrol: *Quarterly Journal of the Geological Society of London*, v. 13, p. 21.

LAIDLEY, T. T. S., 1856, *Timber and Minerals of the Deep River Country, North Carolina*: House of Representatives Executive Document 109, 34th Congress, 1st Session, 5 p.

LANG, J. D., 1834, An Historical and Statistical Account of New South Wales, Both as a Penal Settlement and as a British Colony, v. 2: Cochrane and McCrone, London, 443 p.

LAPHAM, Increase A., 1828, Notice of the Louisville and Shippingsport Canal, and of the geology of the vicinity: *The American Journal of Science and Arts*, v. 14, p. 65-69.

LE CONTE, Joseph, 1858, Lectures on coal: Annual Report of the Board of Regents of the Smithsonian Institution, Showing the Operations, Expenditures, and Condition of the Institution for the Year 1857. William A. Harris, Washington, p. 119-168.

LE CONTE, John, 1858b, On the influence of musical sounds on the flame of a jet of coal-gas: *The American Journal of Science and Arts*, v. 25 Series II, p. 62-67.

LEE, C. A., 1824, Sketch of the geology and mineralogy of Salisbury, Con.: *The American Journal of Science, and Arts*, v. 8, p. 252-261.

LESLEY, J. P., 1856, Manual of Coal and its Topography: J. B. Lippincott & Co., Philadelphia, 224 p.

LESLEY, Joseph, Jr., 1861, Topographical geological report of the progress of the survey of Kentucky, for the years 1858 and 1859, *in* OWEN, David Dale, *Fourth Report of the Geological Survey in Kentucky, Made During the Years 1858 and 1859*: J. B. Major, Frankfort, Roy. 8vo., p. 439-494.

LESQUEREUX, Leo., 1861, Report of the fossil flora, and of the stratigraphical distribution of the coal in the Kentucky coal fields, *in* OWEN, David Dale, *Fourth Report of the Geological Survey in Kentucky, Made During the Years 1858 and 1859*: J. B. Major, Frankfort, Roy. 8vo., p. 331-437.

LESQUEREUX, Leo., 1862, Report on the distribution of the geological strata in the Coal Measures of Indiana, *in* OWEN, Richard, *Report of a Geological Reconnaissance of Indiana, Made During the Years 1859 and 1860, Under the Direction of the Late David Dale Owen, M. D., State Geologist*: H. H. Dodd & Co., Indianapolis, 8vo., xvi + 368 p., 8 plates.

LEWIS, James A., 1845, Kenawha gas: The American Journal of Science and Arts, v. 49, p. 209-211.

LINCOLN, Benjamin, 1785, An account of several strata of earth and shells on the banks of York-River, in Virginia; of a subterraneous passage, and the sudden descent of a very large current of water from a mountain, near Carlisle; of a remarkably large spring near Reading, in Pennsylvania; and also of several remarkable springs in the states of Pennsylvania and Virginia. In a letter from the Hon. Benjaamin Lincoln, Esg. F. A. A. to the Rev. Joseph Willard, V. Pref. A. A. and President of the University at Cambridge: *Memoirs of the American Academy of Arts and Sciences*, v. 1, Adams and Nourse, Boston, p. 372-376.

LITTON, A., 1856-1860, Belcher & Brother's artesian well: *The Transactions of the Academy of Science of St. Louis*, v. I: George Knapp & Co., St. Louis, p. 80-86.

LIVINGSTONE, David, 1857, Missionary Travels and Researches in South Africa; Including a Sketch of Sixteen Years' Residence in the Interior of Africa, and a Journey from the Cape of Good Hope to Loanda on the West Coast; Thence across the Continent, down the River Zambesi, to the Eastern Ocean: Harper & Brothers, New York, 755 p.

LOCKE, John, 1838, Prof. Locke's geological report, *in* MATHER, W. W., et al., *Second Annual Report on the Geological Survey of the State of Ohio*: Samuel Medary, Columbus, 8vo., p. 203-274.

LOCKWOOD, Moses B., 1840b, Carburetted hydrogen: *The American Journal of Science and Arts*, v. 39, p. 200-201.

LOFTUS, W. K., 1854, On the geology of portions of the Turko-Persian frontier, and of the districts adjoining: *Quarterly Journal of the Geological Society of London*, v. 10, p. 464-469.

LOFTUS, William Kennett, 1855, On the geology of portions of the Turko-Persian frontier, and of the districts adjoining: *Quarterly Journal of the Geological Society of London*, v. 11, p. 247-344.

LOGAN, W. E., 1845, Report of progress for the year 1843, in LOGAN, W. E., Message from his Excellency the Governor General, with Reports on a Geological Survey of the Province of Canada, Presented to the House on 27th January, 1845: Lovell and Gibson, Montreal, p. 23-50.

LOGAN, W. E., 1846, *Geological Survey of Canada. Report of Progress for the Year 1844*. Lovell and Gibson, Montreal, 110 p.

LOGAN, W. E., 1847, *Geological Survey of Canada. Report of Progress for the Year 1845-6*: Lovell and Gibson, Montreal, 125 p.

LOGAN, W. E., 1850b, *Geological Survey of Canada. Report of Progress for the Year 1848-49*: Lovell & Gibson, Toronto, 115 p.

LOGAN, W. E., 1852, *Geological Survey of Canada. Report of Progress for the Year 1851-52*: John Lovell, Quebec, 122 p.

LOGAN, W. E., 1854, *Geological Survey of Canada. Report of Progress for the Year 1852-53*: Lovell & Lamoureux, Quebec, 179 p.

LOGAN, W. E., 1862, Descriptive Catalogue of a Collection of the Economic Minerals of Canada, and of its Crystalline Rocks, Sent to the London International Exhibition for 1862: Geological Survey of Canada, John Lovell, Montreal, 83 p.

LOGAN, W. E., and HUNT, T. Sterry, 1855, A sketch of the geology of Canada serving to explain the geological map and the collection of economic minerals sent to the Universal Exhibition at Paris, 1855, *in* TACHĒ, J. C., 1856, *Canada at the Universal Exhibition of 1855*: John Lovell, Toronto, 463 p.

LONDON *GLOBE*, 1859, The Exhibition of 1861: *The Canadian Journal of Industry, Science, and Art*, New series, vol. XXI, Toronto, p. 236-241.

LONG, Stephen H., 1978, *The Northern Expeditions of Stephen H. Long. The Journals of 1817 and 1823 and Related Documents*: Lucile M. Kane, et al (eds.), Minnesota Historical Society Press, 407 p.

LOOMIS, I. N., 1846, An account of the geology of Harpeth Ridge, Davidson Co., Tenn.: The American Journal of Science and Arts, Second Series, vol. I, p. 222-224.

LOSKIEL, Georg Heinrich, 1789, Geschichte der Mission der Evangelischen Bruder unter den Indianern in Nordamerika: Leipzig, 783 p.

LOSKIEL, George Henry, 1794, *History of the Mission of the United Brethren Among the Indians in North America in Three Parts*, Part 1: Translated by Christian IIgnatius LaTrobe, Brethern's Society for the Furtherance of the Gospel, London, 159 p.

LUCE, John B., 1842, Report of Neosho Sub-Agency, no. 31, September 30, 1842, *in* Crawford, T. Hartley, *Annual Report of the Commissioner of Indian Affairs, for the Year 1842*: Doc. 2, Government Printing Office, Washington, p. 456-457.

http://digicoll.library.wisc.edu/cgi-bin/History/History-

idx?type=turn&id=History.AnnRep4045&entity=History.AnnRep4045.p0354 (accessed 05/30/2016)

LYELL, Charles, 1845, *Travels in North America in the Years 1841-2; with Geological Observations on the United States, Canada, and Nova Scotia*: In Two Volumes (two volumes in one). Wiley and Putnam, New York, 251 + 231 p.

LYELL, Charles, 1847, On the structure and probable age of the coal-field of the James River, near Richmond, Virginia: *Quarterly Journal of the Geological Society of London*, v. 3, p. 261-280.

LYELL, Sir Charles, 1849, A Second visit to the United States of North America. Vol. I: Harper & Brothers, New York, 273 p.

LYELL, Sir Charles, 1849, A Second visit to the United States of North America. Vol. II: Harper & Brothers, New York, 287 p.

LYELL, Charles, 1853, *Principles of Geology; or, The Modern Changes of the Earth and its Inhabitants Considered as Illustrative of Geology*, 9<sup>th</sup> Edition: Little, Brown & Co., Boston, 834 p.

LYNCH, W. F., 1849, Notice of the narrative of the U. S. expedition to the River Jordan and the Dead Sea: *The American Journal of Science and Arts*, v. 8 Series II, p. 317-333.

LYNCH, W. F., 1850, *Narrative of the United States' Expedition to the River Jordan and the Dead Sea*: Lea and Blanchard, Philadelphia, 332 p.

LYON, George Francis, 1828, Journal of a Residence and Tour in the Republic of Mexico in the Year 1826. With Some Account of the Mines of that Country, Vol. I: John Murray, London, 323 p.

LYON, Sidney S., 1856-1860, Remarks on the stratigraphical arrangement of the rocks of Kentucky: *The Transactions of the Academy of Science of St. Louis*, v. I: George Knapp & Co., St. Louis, p. 612-621.

LYON, Sidney S., 1861, Topographical geological report of the progress of the survey of Kentucky, for the years 1858 and 1859, *in* OWEN, David Dale, *Fourth Report of the Geological Survey in Kentucky, Made During the Years 1858 and 1859*: J. B. Major, Frankfort, Roy. 8vo., p. 495-599.

MacCULLOCH, J., 1814, On certain products obtained in the distillation of wood, with some account of bituminous substances, and remarks on coal: *Transactions of the Geological Society*, vol. 2, London, p. 1-28.

MacGILLVRAY, W., 1833, The Travels and Researches of Alexander von Humboldt; Being a Condensed Narrative of his Journeys in the Equinoctal Regions of America, and in Asiatic Russia:--Together with Analyses of his more Important Investigations: J. & J. Harper, New York, 367 p.

MACKENZIE, Alexander, 1995, *Journal of the Voyage to the Pacific*: Edited by Walter Sheppe, facsimile of 1962 edition entitled: *First Man West: Alexand er Mackenzie's Journal of His Voyage to the Pacific Coast of Canada in 1793*. Dover, Mineola, NY, 366 p.

MacLURE, William, 1809, Observations on the Geology of the United States, Explanatory of a Geological Map: *Transactions of the American Philosophical Society*, v. 6, p. 411-428. http://www.jstor.org/stable/1004821 Accessed Oct. 29, 2017

MacLURE, William, 1817, Observations on the Geology of the United States of America; With Some Remarks on the Effect Produced on the Nature and Fertility of Soils, by the Decomposition of the Different Classes of Rocks; and an Application to the Fertility of Every State in the Union, in Reference to the Accompanying Geological Map: Maclure, Philadelphia, 127 p.

MacLURE, William, 1818, Observations on the Geology of the United States of North America; With Remarks on theProbable Effects That May Be Produced by the Decomposition of the Different Classes ofRocks on the Nature and Fertility of Soils: Applied to the Different States of the Union, Agreeably to the Accompanying Geological Map: *Transactions of the American Philosophical Society*, v. 1, p. 1-91. http://www.jstor.org/stable/1004895 Accessed Oct. 29, 2017

MacLURE, William, 1829, Remarks on the theory of a central heat in the earth, and on other geological theories; in letters addressed to the Editor: *The American Journal of Science and Arts*, v. 15, p. 384-386.

McKENNEY, Thomas L., 1827, Sketches of a Tour to the Lakes, of the Character and Customs of the Chippeway Indians, and of Incidents Connected with the Treaty of Fond du Lac: 1972 reprint, Imprint Society, Barre, Massachusetts, 414 p.

MADDEN (*Brande's Quarterly Journal*), 1830, State of medicine in Turkey, from Madden's travels: *The New-York Medical and Physical Journal*, v. 9 (new series v. 2), New-York, p. 399-414.

MAJOR Richard Henry (translator and editor), 1873, *The Voyages of the Venetian Brothers, Nicolò and Antonio Zeno, to the Northern Seas, in the XIVth Century:* Hakluyt Society Works, no. 50, London.

MALCOLMSON, J. G., 1859, On the relations of the different parts of the Old Red Sandstone in which organic remains have recently been discovered, in the counties of Moray, Nairn, Banff, and Inverness: *Quarterly Journal of the Geological Society of London*, v. 15, p. 336-352.

MALEY, John: FAY, Robert O., 1982, John Maley's Journal (April 1812), on Pushmataha County, Oklahoma, *in* William D. Pitt, et al., *Geology of Pushmataha County, Oklahoma*: Eastern New Mexico University Studies in Natural Sciences Special Publication no. 2, Portales, NM, p. 7-8.

MANROSS, N. S., 1855, Notice of the pitch lake of Trinidad: *The American Journal of Science and Arts*, v. 20 Series II, p. 153-160.

MANSFIELD, C. B., 1849, On the application of liquid hydrocarbons to illumination: *The American Journal of Science and Arts*, v. 8 Series II, p. 109-110.

MARCY, Randolph B., 1854, *Exploration of the Red River of Louisiana in the Year 1852*: U. S. Senate Executive Document, Washington, 310 p.

MARCY, W. L., 1838, *Communication from the Governor, relative to the Geological Survey of the State*: State of New-York Assembly No. 200, February 20, 1838, 384 p.

MARCY, W. L., 1839, Citations from, and abstract of, the Geological Reports on the State of New York, for n1837-8, being State Document No. 200, Remarks on the anthracites of Europe and America: *The American Journal of Science and Arts*, v. 36, p. 1-49.

MARSDEN, William, 1811, *The History of Sumatra, Containing an Account of the Government, Laws, Customs, and Manners of the Native Inhabitants, with a Description of the Natural Productions, and a Relation of the Ancient Political State of that Island*, 3<sup>rd</sup> edition: London, 479 p.

MARSHALL, W. H., 1860, Four Years in Burmah, Vol. II: Charles K. Skeet, London, 307 p.

MASON, Cha., 1748, A letter from the Rev. Mr. Mason, Woodwardian Professor at Cambridge, and F. R. S. to the Pr. R. S. concerning Spelter, melting iron with pit-coal, and a burning well at Broseley: *Philosophical Transactions, Giving Some Account of the Present Undertakings, Studies, and Labours, of the Ingenious, in Many Considerable Parts of the World*, v. XLIV, p. 370-373.

MATHER, J. H., and BROCKETT, 1848, A Geographical History of the State of New York: Embracing its History, Government, Physical Features, Climate, Geology, Mineralogy, Botany, Zoology, Education, Internal Improvements, &c with a Separate Map of each County. The Whole Performing a Complete History of the State: Hawley, Utica, 432 p.

MATHER, W. W., et al., 1838a, *First Annual Report on the Geological Survey of the State of Ohio*: Samuel Medary, Columbus, 134 p.

MATHER, W. W., et al., 1838b, *Second Annual Report on the Geological Survey of the State of Ohio*: Samuel Medary, Columbus, 8vo., 286 p., 7 plates, 7 sections and map.

MATHER, William W., 1839, Report on the Geological Reconnaissance of Kentucky, Made in 1838: *Journal of the Senate of the Commonwealth of Kentucky, Frankfort*, p. 253-292. Kentucky Geological Survey reprint 25, Series XI, 1988.

MATHER, W. W., 1840, Fourth annual report of W. W. Mather, Geologist of the First Geological District of the State of New-York, *in* SEWARD, William H., *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, p. 211-258.

MATHER, William W., 1843, *Geology of New-York. Part I. Comprising the Geology of the First Geological District:* Carroll & Cook, Albany, 653 p.

MATHER, W. W., 1859, *Report on the State House Artesian Well, at Columbus, Ohio*: Nevins' Steam Printing, Columbus, 41 p.

MAWE, John, 1802, *The Mineralogy of Derbyshire: with a Description of the most Interesting Mines in the North of England, in Scotland, and in Wales:* 8vo, London, 211 p.

MAYCOCK, J. D., 1821, Geological Description of Barbadoes, with a Map of the Island: *Quarterly Journal of Science, Literature, and the Arts*, vol. xi, p. 10-20.

MEADE, William, 1827, Remarks on the anthracites of Europe and America: *The American Journal of Science and Arts*, v. 12, p. 75-83.

MEADE, Wm., 1828, Account of the new mineral spring at Albany, with an analysis and remarks: *The American Journal of Science and Arts*, v. 13, p. 145-158.

MEASE, James, 1807, A Geological Account of the United States; Comprehending a Short Description of Their Animal, Vegetable, and Mineral Productions, Antiquities and Curiosities: Birch and Small, Philadelphia, 496 p.

MEEK, F. B., 1873a, Miller County, *in* BROADHEAD, G. C., F. B. MEEK, & B. F. SHUMARD, *Reports on the Geological Survey of the State of Missouri*. *1855-1871*: Regan & Carter, Jefferson City, p. 112-134.

MEEK, F. B., 1873b, Morgan County, *in* BROADHEAD, G. C., F. B. MEEK, & B. F. SHUMARD, *Reports on the Geological Survey of the State of Missouri.* 1855-1871: Regan & Carter, Jefferson City, p. 135-156.

MELVILLE, Herman, 1952 (1851), *Moby Dick; or, The Whale*. Hutchins, Robert Maynard (ed.), Great Books of the Western World 48, Encyclopedia Britannica, Chicago, 420 p.

MEYER, 1836, Fossil wax: The American Journal of Science and Arts, vol. XXX, no. 1, p. 185-186.

MICHLER, N., Jr., 1850, Report to J. E. Johnston, *in* JOHNSTON, Lt. Col. J. E., et al., *Reports of the Secretary of War, with Reconnaissances of Routes from San Antonio to El Paso. Also, the Report of Capt. R. B. Marcy's Route from Fort Smith to Santa Fe; and the Report of Lieut. J. H. Simpson of an Expedition in Navajo Country; and the Report of Lieutenant W. H. C. Whiting's Reconnaissances of the Western Frontier of Texas:* U. S. Senate Executive Document No. 64, 31<sup>st</sup> congress, 1<sup>st</sup> Session, Washington, p. 29-39 + map.

MILTON, John, 2004 (1667), Paradise Lost. David Hawkes (ed.), Barnes & Noble, New York, 442 p.

MITCHELL, James, 1823, A Dictionary of Chemistry, Mineralogy, and Geology, in Accordance with the Present State of Those Sciences: Richard Phillips, London, 630 p.

MITCHELL, S. Augustus, 1849, Mitchell's ancient geography, designed for academies, schools, and families. A system of classical and sacred geography, embellished with engravings of remarkable events, views of ancient cities,

*and various interesting antique remains, together with an ancient atlas, containing maps illustrating the work:* Thomas, Cowperthwait & Co., 216 p.

MITCHILL, Samuel L., 1818, Observations on the geology of North America; illustrated by the description of various organic remains found in that part of the world, *in* CUVIER, M., *Essay on the Theory of the Earth. With Mineralogical Notes and an Account of Cuvier's Geological Discoveries by Professor Jameson, to Which are now Added Observations on the Geology of North America Illustrated by the Descriptions of Various Organic Remains, Found in that Part of the World, by Samuel L. Mitchell: Kirk & Mercein, NY, p. 319-431.* 

MOORE, N. F., 1834, Ancient Mineralogy: or, an Inquiry Respecting Mineral Substances Mentioned by the Ancients: with Occasional Remarks on the Uses to Which They Were Applied: G & C Carvill & Co., New York, 192 p.

MORIER, James, 1812, A Journey through Persia, Armenia, and Asia Minor, to Constantinople, in the years 1808 and 1809; in which is included, some account of the Proceedings of His Majesty's Mission, under Sir Harford Jones, Bart. K. C. to the Court of the King of Persia: Longman et al., London, 438 p.

MOULTON, Gary E. (ed.), 1986, *The Definitive Journals of Lewis & Clark, From the Ohio to the Vermilion*: Vol. 2, University of Nebraska Press, Lincoln, 612 p.

MOULTON, Gary E. (ed.), 1987, *The Definitive Journals of Lewis & Clark, Up the Missouri to Fort Mandan*: Vol. 3, University of Nebraska Press, Lincoln, 544 p.

MOULTON, Gary E. (ed.), 1987, *The Definitive Journals of Lewis & Clark, From Fort Mandan to Three Forks*: Vol. 4, University of Nebraska Press, Lincoln, 464 p.

MOULTON, Gary E. (ed.), 1995, *The Definitive Journals of Lewis & Clark, John Ordway and Charles Floyd*: Vol. 9, University of Nebraska Press, Lincoln, 419 p.

MOULTON, Gary E. (ed.), 1996, *The Definitive Journals of Lewis & Clark, Patrick Gass*: Vol. 10, University of Nebraska Press, Lincoln, 300 p.

MOUNSEY, James, 1748, The extract of a letter from Dr. James Mounsey, Physician of the Czarina's Army, to Henry Baker F. R. S. concerning the everlasting fire in Persia: *Philosophical Transactions*, The Royal Society of London, v. 45, p. 296-300. 1963 reprint by Johnson Reprint Corporation and Kraus Reprint Corporation, New York, 1963.

MUNRO, Robert, 1804, A Description of the Genesee Country, in the State of New York: in Which the Situation, Dimensions, Civil Divisions, Soil, Minerals, Produce, Lakes and Rivers, Curiosities, Climate, Navigation, Trade and Manufactures, Population, and Other Interesting Matters Relative to that Country, are Impartially Described: Printed for the Author, New-York, 16 p.

MURCHISON, Roderick Impey, 1859, *Siluria. The History of the Oldest Fossiliferous Rocks and Their Foundations; with a Brief Sketch of the Distribution of Gold Over the Earth.* Third Edition: John Murray, London, 592 p. and 105 p. of plates.

MURCHISON, R. I., 1859, On the succession of the older rocks in the northernmost counties of Scotland; with some observations on the Orkney and Shetland Islands: *Quarterly Journal of the Geological Society of London*, v. 15, p. 352-418, pl. xii and xiii.

MURCHISON, Roderick Impey, Edouard de VERNEUIL, and Count Alexander von KEYSERLING, 1845, *The Geology of Russia in Europe and the Ural Mountains*. In two volumes. Vol. 1, Geology: John Murray, London, 700 p.

MURRAY, Alexander 1845, Report of Alexander Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Esq., Provincial Geologist, *in* LOGAN, W. E., *Message from his Excellency the Governor General, with Reports on a Geological Survey of the Province of Canada, Presented to the House on 27th January, 1845*: Lovell and Gibson, Montreal, p. 51-91.

MURRAY, Alexander, 1847, Report of Alexander Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Esq., Provincial Geologist, *in* LOGAN, W. E., *Geological Survey of Canada. Report of Progress for the Year 1845-6*: Lovell and Gibson, Montreal, p. 99-118.

MURRAY, Alexander, 1849, Report of Alexander Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Esq., Provincial Geologist, in LOGAN, W. E., Geological Survey of Canada. Report of Progress for the Year 1847-8. Lovell & Gibson, Montreal, p. 93-124.

MURRAY, Alexander, 1850a, Report of Alex. Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Provincial Geologist, *in* LOGAN, W. E., *Geological Survey of Canada. Report of Progress for the Year* 1849-50: Lovell & Gibson, Toronto, p. 7-46.

MURRAY, Alex., 1852a, Report of Alex. Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Provincial Geologist, *in* LOGAN, W. E., 1852, *Geological Survey of Canada. Report of Progress for the Year 1850-51*: John Lovell, Quebec, p. 13-33.

MURRAY, Alex., 1852b, Report of Alex. Murray, Esq., Assistant Provincial Geologist, addressed to W. E. Logan, Provincial Geologist, *in* LOGAN, W. E., 1852, *Geological Survey of Canada. Report of Progress for the Year 1851-52*: John Lovell, Quebec, p. 57-91.

MURRAY, Alexander, 1857, Report for the year 1855, of Alexander Murray, Esq., Assistant Provincial Geologist, addressed to Sir William E. Logan, Provincial Geologist, *in* LOGAN, W. E., *Geological Survey of Canada: Report of Progress 1853-54-55-56*: John Lovell, Toronto, p. 127-143.

MURRAY, Alexander, 1857, Rapport de l'annee 1855, par Alexander Murray, Ecr., Geologue Provincial Adjoint, adresse a Sir William E. Logan, Geologue Provincial, *in* LOGAN, W. E., *Exploration Geologique du Canada: Rapport de Progres Pendant les Annees 1853-54-55-56*: John Lovell, Toronto, p. 135-151.

MURRAY, C. A., 1859, On some mineral springs near Tehran, Persia: *Quarterly Journal of the Geological Society* of London, v. 15, p. 198-199.

MURRAY, Hugh, 1858, *The Travels of Marco Polo, Greatly Amended and Enlarged from Valuable Early Manuscripts Recently Published by the French Society of Geography, and in Italy by Count Baldelli Boni*: Harper & Brothers, New York, 326 p.

NASMYTH, 1850, Mr. Nasmyth's Test for oils for lubricating: *Journal of the Franklin Institute of the State of Pennsylvania, Vol. 50 (3<sup>rd</sup> series 20)*, p. 403-404.

NEWBERRY, J. S., 1857, On the mode of formation of cannel coal: *The American Journal of Science and Arts*, v. 23 Series II, p.212-215.

NEWBERRY, J. S., 1860, The Rock Oils of Ohio, in ANONYMOUS, Fourteenth Annual Report of the Ohio State Board of Agriculture, with an Abstract of the Proceedings of the County Agricultural Societies: to the General Assembly of Ohio, for the Year 1859: Richard Nevins, Columbus, p. 605-618. NEWBERRY, J. S., 1861, Geological Report, *in* IVES, Joseph C., 1861, *Report upon the Colorado River of the West, Explored in 1857 and 1858 by Lieutenant Joseph C. Ives, Corps of Topographical Engineers, Under the Direction of the Office of Explorations and Surveys, A. A. Humphreys, Captain Topographical Engineers, in Charge*: 36<sup>th</sup> Congress, 1<sup>st</sup> Session, Senate Ex. Doc., Government Printing Office, Washington, 154 p. Facsimile reprint, Decapo Press, New York, 1969.

NEWBOLD, Lieut., 1848, On the geology of Egypt: *Quarterly Journal of the Geological Society of London*, v. 4, p. 324-349.

NICKLES, M. Jerome, 1854, New Greek Fire: *The American Journal of Science and Arts*, v. 18 Series II, p. 388-389.

NICKLES, M. Jerome, 1855, Gas from peat: The American Journal of Science and Arts, v. 20 Series II, p. 261-262.

NICKLES, M. Jerome, 1856, Illuminating gas: *The American Journal of Science and Arts*, v. 22 Series II, p. 406-407.

NICKLES, Jerome, 1859, Disinfection and dressing of wounds: *The American Journal of Science and Arts*, v. 28 Series II, p. 425-427.

NICOL, James, 1849, Manual of Mineralogy: or the Natural History of the Mineral Kingdom, Containing a General Introduction to the Science, and Descriptions of the Separate Species, Including the More Recent Discoveries and Chemical Analyses: Adam and Charles Black, Edinburgh, 576 p.

NICOLLET, Joseph N., 1976, *Joseph N. Nicollet on the Plains and Prairies: the Expeditions of 1838-1839 with Journals, Letters, and Notes on the Dakota Indians*: Translated from the French and edited by Edmund C. Bray and Martha Coleman Bray. Minnesota Historical Society Press, St. Paul, 294 p.

NORTH, Elisha, 1826, On fuel: The American Journal of Science and Arts, v. 11, p. 66-78.

NORWOOD, J. C., 1858, Abstract of a Report on Illinois Coal, with Descriptions and Analyses, and a General Notice of the Coal Fields: Illinois Geological Survey, Springfield, 8vo., 93 + v p., 2 plates.

NUGENT, Nicholas, 1811, Account of the pitch lake of the Island of Trinidad: *Transactions of the Geological Society*, v. 1, London, p. 63-76.

NUTTALL, Thomas, 1821, *A Journal of Travels into the Arkansas Territory During the Year 1819*: Savoie Lottinville (ed.), 1999, University of Arkansas Press, Fayetteville, 361 p.

*O AUXILIADOR DA INDUSTRIA NACIONAL* (OAIN), 1848, LIÇÃO XXV. Potassio: Edition 1, 1848, p. 90-94. <a href="http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=que%20no%20fundo%20da%20dita%20vasil">http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=que%20no%20fundo%20da%20dita%20vasil</a> ha>.

*O AUXILIADOR DA INDUSTRIA NACIONAL* (OAIN), 1858, Riquesas Mineraes do Brasil: Edition 1, 1858, p. 5-24.

< http://memoria.bn.br/DocReader/docreader.aspx?bib=302295&pesq=notas%20do%20Sr.%20Miranda>.

OLDHAM, T., 1858, Notes on the geological features of the banks of the Irawadi, and of the country north of Amarapoora, Appendix A, *in* YULE, Henry, 1858, *A Narrative of the Mission Sent by the Governor-General of India to the Court of Ava in 1855, with Notices of the Country, Government, and People*: Smith, Elder, and Co., London, p. 309-351.

OLMSTED, Frederick Law, 1857, A Journey Through Texas; or, a Saddle-Trip on the Southwestern Frontier; with a Statistical Appendix: Dix, Edwards, New York, 516 p.

OSBORN, A., 1858, Field Notes of Geology: Sherman & Co., New York, 82 p.

OWEN, David Dale, 1844, Report of a Geological Exploration of Part of Iowa, Wisconsin, and Illinois, Made Under Instructions from the Secretary of the Treasury of the United States, in the Autumn of the Year 1839; With Charts and Illustrations: U. S. Senate, Washington, 191 p.

OWEN, David Dale, 1846, On the geology of the western states of North America: *Quarterly Journal Geological Society of London*, v. 2, p. 433-447.

OWEN, David Dale, 1848, Report of a Geological Reconnaissance of the Chippewa Land District of Wisconsin; and, incidentally, of a Portion of the Kickapoo Country, and of a Part of Iowa and of the Minnesota Territory, Made Under Instructions from the United States Treasury Department: U. S. Senate Executive Document no. 57, Washington, 134 p.

OWEN, David Dale, 1856, *Report of the Geological Survey in Kentucky, Made During the Years 1854 and 1855*: A. G. Hodges, Frankfort, Roy. 8vo., 416 p., 7 plates, 6 maps and sections.

OWEN, David Dale, 1857a, Second Report of the Geological Survey in Kentucky, Made During the Years 1856 and 1857: A. G. Hodges, Frankfort, Roy. 8vo., 376 p.

OWEN, David Dale, 1857b, *Third Report of the Geological Survey in Kentucky, Made During the Years 1856 and 1857*: A. G. Hodges, Frankfort, Roy. 8vo., 589 p.

OWEN, David Dale, 1858, First report of a Geological Reconnaissance of the Northern Counties of Arkansas, Made During the Years 1857 and 1858: Johnson and Yerkes, Little Rock, 8vo., 256 p., 7 plates.

OWEN, David Dale, 1858b, Second Report on the Geological Survey of Kentucky: *The American Journal of Science and Arts*, v. 25 Series II, p. 283-286.

OWEN, David Dale, 1860, Second Report of a Geological Reconnaissance of the Middle and Southern Counties of Arkansas, Made During the Years 1859 and 1860: C. Sherman & Son, Philadelphia, 8vo., 433 p., 14 plates, map.

OWEN, David Dale, 1861, Fourth Report of the Geological Survey in Kentucky, Made During the Years 1858 and 1859: J. B. Major, Frankfort, Roy. 8vo., 617 p.

OWEN, David Dale, 1987, A Geological Reconnaissance and Survey of the State of Indiana in 1837 and 1838: with an introduction and commentary by Henry H. Gray: Indiana Department of Natural Resources, Geological Survey Bulletin 61, 121 p.

OWEN, David Dale, and B. NEEDHAM, 1857, *Reports on the Geology of the Tunungwant Coal Field, M'Kean County*: Pa. Steam Press of E. R. Jewett & Co., Buffalo, NY, 54 p.

OWEN, Richard, 1857, Key to the Geology of the Globe: An Essay, Designed to Show that the Present Geographical, Hydrographical, and Geological Structures, Observed on the Earth's Crust, were the Result of forces Acting According to Fixed, Demonstrable Laws, Analogous to Those Governing the Development of Organic Bodies: J. P. Lippincott & Co., Philadelphia, 256 p. OWEN, Richard, 1862, *Report of a Geological Reconnaissance of Indiana, Made During the Years 1859 and 1860, Under the Direction of the Late David Dale Owen, M. D., State Geologist:* H. H. Dodd & Co., Indianapolis, 8vo., xvi + 368 p., 8 plates.

PACKER, S. J., 1834, *Report of the Committee of the Senate of Pennsylvania upon the Subject of the Coal Trade*: Harrisburg, 126 p.

PALISSY, Bernard, 1580, *The Admirable Discourses of Bernard Palissy*: 1957 translation by Aurele la Rocque. University of Illinois Press, Urbana, 264 p.

PARAMELLE, Abbé Jean-Baptiste, 2019 (1856), *The Art of Finding Springs*, Second Edition, A Translation of L'Art de Découvrir les Sources, Seconde Édition: Special Paper 539, Geological Society of America, Boulder, 127 p.

PARAVEY, M. de, 1838, Perpetual fire of Baku: The Penny Magazine of the Societyfor the Diffusion of Useful Knowledge, February 3, 1838, vii, p. 44-46.

PARKINSON, James, 1830, Outlines of *Oryctology: An Introduction to the Study of Fossil Organic Remains*: 1972 Facsimile reprint by The Geological Society, London, 353 p.

PAUTHIER, M. G., 1837, L'Univers, Histoire et Description de Tous les Peuples, Chine. Chine ou Description Historique, Géographique et Littéraire de ce Vaste Empire, D'Après des Documents Chinois: Firmin Didot Freres, Paris, 493 p.

PAYNE, John, 1798, New and complete system of universal geography; Asia, Africa, Europe and America; with their subdivisions of republics, states, empires, and kingdoms; extent, boundaries, and remarkable appearances of each country; cities, towns, and curiosities of nature and art, also giving a general account of the fossil and vegetable productions of the earth. The history of man, in all climates, regions, and conditions: customs, manners, laws, governments, and religions: The state of arts, sciences, commerce, manufactures, and knowledge. Sketches of the ancient and modern history of each nation and people, to the present time. To which is added, a view of astronomy, as connected with geography; of the planetary system to which the Earth belongs; and of the universe in general. With a copious index annexed to each volume, being a large and comprehensive abridgement of universal geography with maps and plates. Vol. I, Asia: John Low, New York, 529 p.

PAYNE, John, 1799a, New and complete system of universal geography; Asia, Africa, Europe and America; with their subdivisions of republics, states, empires, and kingdoms; extent, boundaries, and remarkable appearances of each country; cities, towns, and curiosities of nature and art, also giving a general account of the fossil and vegetable productions of the earth. The history of man, in all climates, regions, and conditions: customs, manners, laws, governments, and religions: The state of arts, sciences, commerce, manufactures, and knowledge. Sketches of the ancient and modern history of each nation and people, to the present time. To which is added, a view of astronomy, as connected with geography; of the planetary system to which the Earth belongs; and of the universe in general. With a copious index annexed to each volume, being a large and comprehensive abridgement of universal geography with maps and plates. Vol. II, Africa: John Low, New York, 591 p.

PAYNE, John, 1799b, New and complete system of universal geography; Asia, Africa, Europe and America; with their subdivisions of republics, states, empires, and kingdoms; extent, boundaries, and remarkable appearances of each country; cities, towns, and curiosities of nature and art, also giving a general account of the fossil and vegetable productions of the earth. The history of man, in all climates, regions, and conditions: customs, manners, laws, governments, and religions: The state of arts, sciences, commerce, manufactures, and knowledge. Sketches of the ancient and modern history of each nation and people, to the present time. To which is added, a view of astronomy, as connected with geography; of the planetary system to which the Earth belongs; and of the universe in

general. With a copious index annexed to each volume, being a large and comprehensive abridgement of universal geography with maps and plates. Vol. IV, America: John Low, New York, 525 p.

PAYNE, John, 1800, New and complete system of universal geography; Asia, Africa, Europe and America; with their subdivisions of republics, states, empires, and kingdoms; extent, boundaries, and remarkable appearances of each country; cities, towns, and curiosities of nature and art, also giving a general account of the fossil and vegetable productions of the earth. The history of man, in all climates, regions, and conditions: customs, manners, laws, governments, and religions: The state of arts, sciences, commerce, manufactures, and knowledge. Sketches of the ancient and modern history of each nation and people, to the present time. To which is added, a view of astronomy, as connected with geography; of the planetary system to which the Earth belongs; and of the universe in general. With a copious index annexed to each volume, being a large and comprehensive abridgement of universal geography with maps and plates. Vol. III, Europe: John Low, New York, 713 p.

PERCIVAL, Jas. G., 1822, Notice of the locality of sulphate of barytes, from which a specimen was analyzed by Mr. G. T. Bowen; and of various other mineral localities in Berlin Conn.: *The American Journal of Science, and Arts*, v. 5, p. 42-45.

PERCIVAL, James G. (translator and editor), 1824, Notices of the geology and mineralogy of Sicily, from a work entitled *Storia Naturale della Sicilia*. Cat. 1813; del. Ab. F. Ferrara: *The American Journal of Science, and Arts*, v. 8, p. 201-213.

PERCIVAL, James G., 1842, *Report on the Geology of the State of Connecticut*: Osborn & Baldwin, New Haven, 8vo., 495 p., map.

PERCIVAL, James G., 1856, Annual Report of the Geological Survey of the State of Wisconsin: Calkins & Proudfit, Madison, 111 p.

PEREIRA, Jonathan, 1839, *The Elements of Materia Medica; Comprehending the Natural History, Preparation, Properties, Composition, Effects, and Uses of Medicines. Part I. Containing the General Action and Classification of Medicines, and the Mineral Materia Medica*: Longman et al., London, 559 p.

PEREIRA, Jonathan, 1840, *The Elements of Materia Medica; Comprehending the Natural History, Preparation, Properties, Composition, Effects, and Uses of Medicines. Part II. Containing the Vegetable and Animal Materia Medica:* Longman et al., London, p. 560-1440.

PETER, 1857a, Second chemical report of the ores, rocks, soils, coals, mineral waters, &c., of Kentucky, *in* OWEN, David Dale, *Second Report of the Geological Survey in Kentucky, Made During the Years 1856 and 1857*: A. G. Hodges, Frankfort, Roy., p. 117-300.

PETER, Robert, 1857b, Third chemical report of the soils, marls, ores, rocks, coals, mineral waters, &c., of Kentucky, *in* OWEN, David Dale, *Third Report of the Geological Survey in Kentucky, Made During the Years 1856 and 1857*: A. G. Hodges, Frankfort, Roy. 8vo., p. 173-420.

PETER, Robert, 1861, Fourth chemical report of the soils, marls, ores, rocks, coals, iron furnace products, mineral waters, etc., etc., of Kentucky, *in* OWEN, David Dale, *Fourth Report of the Geological Survey in Kentucky, Made During the Years 1858 and 1859*: J. B. Major, Frankfort, Roy. 8vo., p. 39-321.

PHILLIPS, William, 1816, An Outline of Mineralogy and Geology, Intended for the Use of Those Who may Desire to Become Acquainted with the Elements of Those Sciences; Especially of Young Persons: Collins & Co., NY, 192 p.

PHILLIPS, William, 1819, An Elementary Introduction to the Knowledge of Mineralogy: Comprising Some Account of the Characters and Elements of Minerals; Explanations of Terms in Common Use; Descriptions of Minerals, With Accounts of the Places and Circumstances in Which They are found; and Especially the Localities of British Minerals: William Phillips, London, 301 p.

PICKTHALL, Muhammad, 1977, *The Meaning of the Glorious Qur'an, Text and Explanatory Translation*: Muslim World League, Rabita, 768 p.

PIDDINGTON, Henry, 1841, Examination and Analysis of a Soil brought from the Island of Chedooba: *Journal of the Asiatic Society of Bengal*, vol. x, p. 436-448.

PIDDINGTON, H., 1847, On a New Kind of Coal, being Volcanic Coal from Arracan: *Journal of the Asiatic Society of Bengal*, vol. xvi, p. 371-373.

PIERCE, James, 1820, Account of the geology, mineralogy, scenery, etc., of the secondary region of New-York and New-Jersey, and the adjacent regions: *The American Journal of Science, and Arts*, v. 2, p. 181-199.

PIERCE, James, 1826, Practical remarks on the shell marl region of the eastern parts of Virginia and Maryland, and upon the bituminous coal formation in Virginia and the contiguous region: *The American Journal of Science and Arts*, v. 11, p. 54-59.

PIERCE, James, 1826, Notice of the Peninsula of Michigan, in relation to its topography, scenery, agriculture, population, resources, &c.: *American Journal of Science and Arts*, vol. X, p. 304-319.

PLAYFAIR, John, 1802, *Illustrations of the Huttonian Theory of the Earth*: Cadell & Davies, London, 528 p. 1956 reprint, Univ. Illinois Press, Urbana.

PLINY (the Elder), 1855, *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 1, 499 p.

PLINY (the Elder), 1855, *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 2, 555 p.

PLINY (the Elder), 1855 (1892 reprint), *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 3, 536 p.

PLINY (the Elder), 1855, *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 4, 523 p.

PLINY (the Elder), 1855, *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 5, 523 p.

PLINY (the Elder), 1855, *The Natural History of Pliny* (translated, with copius notes and illustrations, by J. Bostock and H. T. Riley): Henry G. Bohn, London, v. 6, with general index, 529 p.

PLUMMER, 1843, Suburban geology, or rocks, soil, and water, about Richmond, Wayne County, Indiana: *The American Journal of Science and Arts*, v. 44, p. 281-313.

POGGI, J., 1802, Account of a new spring of petroleum discovered in Italy; in a letter to the editors of the Annales de Chimie: The Philosophical Magazine: Comprehending the Various Branches of Science, the Liberal and Fine Arts, Agriculture, Manufactures, and Commerce, vol. XVI, London, p. 321-324.

POLO, Marco, 1953, *The Travels of Marco Polo*: Revised from Marsden's translation and edited with an introduction by Manuel Komroff. The Modern Library, New York, 351 p.

PRATT, S. P., 1846, Geological Position of the Bitumen used in Asphalte Pavements: *Quarterly Journal of the Geological Society of London*, v. 2, p. 80-81.

RALEIGH, Sir Walter, 1596, The Discouerie of the Large, Rich, and Bewtiful Empyre of Guiana: Robert Robinson, London, 112 p. (Scolar Press Limited, Leeds, England, 1967 facsimile)

REDFERN, Peter, 1855, On the nature of the Torbanehill and other varieties of coal: *Quarterly Journal of Microscopical Science*, p. 106-128 plus 3 plates.

RICHARDSON, James, 1859, Report of Mr. James Richardson, Explorer, addressed to Sir William E. Logan, F. R. and G. S., Provincial Geologist, *in* LOGAN, W. E., 1859, *Geological Survey of Canada. Report of Progress for the Year 1858*: Lovell, Montreal, p. 105-169.

RICHARDSON, John, 1852, Arctic Searching Expedition: a Journal of a boat voyage through Rupert's Land and the Arctic Sea, in Search of the Discovery Ships Under Command of Sir John Franklin, with an Appendix on the Physical Geography of North America: Harper & Brothers, New York, 516 p.

RIVIERE, A., 1859, Origin of bituminous schists: *Journal of the Franklin Institute of the State of Pennsylvania*. Vol. 67 (3<sup>rd</sup> series 37), p. 122-123.

ROBB, Charles, 1860, Observations on the physical geology of the western districts of Canada: *The Canadian Journal of Industry, Science, and Art*, New series, vol. XXX, Toronto, p. 497-512.

ROBB, Charles, 1861, On the petroleum springs of western Canada: *The Canadian Journal of Industry, Science, and Art*, vol. 6, no. 34, p. 313-323.

ROBINSON, Samuel, 1825, A Catalogue of American Minerals with their Localities; Including all which are Known to Exist in the United States and British Provinces, and having the Towns, Counties, and Districts in Each State and Province Arranged Alphabetically, with an Appendix Containing Additional Localities and a Tabular View: Cummings, Hilliard & Co., Boston, 316 p.

ROBISON, I., 1836, Notices of the earthquake in Chili in November, 1822: *The American Journal of Science and Arts*, vol. XXX, no. 1, p. 110-113.

ROGERS, Emma, 1884, A Reprint of Annual Reports and Other Papers, on the Geology of the Virginias, by the Late William Barton Rogers: D. Appleton and Company, New York, 832 p.

ROGERS, Henry D., 1838, Second Annual Report on the Geological Exploration of the State of Pennsylvania: Thompson & Clark, Harrisburg, 93 p.

ROGERS, Henry Darwin, 1840, *Fourth Annual Report on the Geological Survey of the State of Pennsylvania*: Holbrook, Henlock, and Bratton, Harrisburg, 252 p.

ROGERS, Henry D., 1843, An inquiry into the origin of the Appalachian coal strata, bituminous and anthracitic: *Reports on the First, Second, and Third Meetings of the Association of American geologists and Naturalists at Philadelphia in 1840 and 1841, and at Boston in 1842. Embracing its Proceedings and Transactions*. Gould, Kendall, & Lincoln, Boston, p. 433-474.

ROGERS, Henry Darwin, 1858a, *The Geology of Pennsylvania: A Government Survey. With a General View of the Geology of the United States, Essays on the Coal Formation and its Fossils, and a Description of the Coal Fields of North America and Great Britain. Vol. I: J. B. Lippincott & Co., Philadelphia, 4to., 586 p., 11 plates of sections, 24 plates.* 

ROGERS, Henry Darwin, 1858b, *The Geology of Pennsylvania: A Government Survey. With a General View of the Geology of the United States, Essays on the Coal Formation and its Fossils, and a Description of the Coal Fields of North America and Great Britain. Vol. II: J. B. Lippincott & Co., Philadelphia, 4to., 1045 p., 7 plates of sections, map, 23 plates of fossils, 22 plates of views, 2 separate maps.* 

ROGERS, Henry Darwin, 1858c, *Geological Map of the State of Pennsylvania, Constructed From Original Surveys Made Between the Years 1836 and 1857, Under the Superintendence of Henry D. Rogers, State Geologist. To Accompany the Final Report on the Geological Survey of the State 1858.* Entered ... 1858 by Henry D. Rogers ... Pennsylvania. Engraved by W. & A. K. Johnston, Edinburgh.

http://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~38003~1211023:Geological-Map-Of-The-State-Of-Penn

ROGERS, Professor (Henry), 1860, On the Distribution and Probable Origin of the Petroleum, or Rock Oil, of Western Pennsylvania, New York, and Ohio: *Proceedings of the Philosophical Society of Glasgow*, vol. IV, MDCCCLV - MDCCCLX. Richard Griffin, London, p. 355-359.

ROGERS, R. R., 1860, Supply of oil from Pennsylvania wells: *Proceedings of the Academy of Natural Sciences of Philadelphia*, p. 147.

ROGERS, Prof. (W. B.?), 1861, Presentation of shale specimen from Albert Mine, New Brunswick: *Proceedings of the Boston Society of Natural History*, vol. VII, 1859-1861, p. 294-295.

ROGERS, W. B., 1861, Communication of observations on Albert Coal of New Brunswick: *Proceedings of the Academy of Natural Sciences of Philadelphia*, 1860, p. 98.

RYE, William B., 1851, *The Discovery and Conquest of Terra Florida, by Don Ferdinado De Soto, and Six Hundred Spaniards his Followers. Written by a Gentleman of Elvas, Employed in all the Action, and Translated out of Portuguese, by Richard Hakluyt:* Reprinted from the edition of 1611. Edited with notes and introduction, and a translation of a narrative of the expedition by Luis Hernandez de Biedma, factor to the same, by William B. Rye, of the British Museum. Burt Franklin, New York, 272 p.

SAFFORD, James M., 1856, Geological Reconnaissance of the State of Tennessee, Being the Author's First Biennial Report, Presented to the Thirty-First General Assembly of Tennessee, December, 1855: Nashville, 8vo., 164 p.

SAUSSURE, De, M. Theodore, 1817, Experiments on the composition and properties of the naptha of Amiano. Read to the Society of Natural Philosophy and Natural History of Geneva: *Annals of Philosophy; or, Magazine of Chemistry, Mineralogy, Mechanics, Natural History, Agriculture, and the Arts*, vol. X, London, p. 118-127.

SAUSSURE, Theod. De, 1833, Action of oils upon oxygen gas: *The American Journal of Science and Arts*, v. 23, p. 190-193.

SCAVOLA, Mucius, 1828d, Observations on the use of Seneca Oil, and particularly on its employment for the purpose of producing illuminating gas, in the city of Pittsburgh (Extracted from a letter to the Editors of the Pittsburgh Gazette): *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 5 (1 New Series), Philadelphia, p. 36-39.

SCHOMBURGK, Robert H., 1848, *The History of Barbados; comprising a Geographical and Statistical Description of the Island; a Sketch of the Historical Events since the Settlement; and an Account of its Geology and Natural Productions:* Longman, Brown, Green and Longmans, London, 722 p.

SCHOOLCRAFT, Henry Rowe, 1819, A View of the Lead Mines of Missouri: Including some Observations of the Mineralogy, Geology, Geography, Antiquities, Soil, Climate, Population, and Productions of Missouri and Arkansaw, and Other Sections of the Western Country: Charles Wiley & Company, New York, 299 p.

SCHOOLCRAFT, Henry R., 1821, Narrative Journal of Travels Through the Northwestern Regions of the United States Extending from Detroit Through the Great Chain of American Lakes, to the Sources of the Mississippi River. Performed as a Member of the Expedition Under Governor Cass in the Year 1820: E. & E. Hosford, Albany, 419 p.

SCHOOLCRAFT, Henry R., 1855, Summary Narrative of an Exploratory Expedition to the Sources of the Mississippi, in 1820: Resumed and Completed, by the Discovery of its Origin in Itasca Lake, in 1832: Lippincott, Grambo, & Co., Philadelphia, 596 p.

SCHOPF, Johann David, 1787, Geology of Eastern North America (Beytrage zur Mineralogischen Kenntniss des Ostlichen Theils von Nord-Amerika und seiner Geburge): 1972 translation by Edmund Spieker with facsimile of original German edition. Hafner Publishing Co., New York, 171 + 195 p.

SCHOTT, Arthur, 1855, The Cretaceous basin of the Rio Bravo del Norte: *Proceedings of the American Association for the Advancement of Science. Eighth Meeting, Held at Washington, D. C., May, 1854.* Joseph Lovering, Cambridge, p. 272-283.

SCIENTIFIC AMERICAN, 1845, Aerial Navigation: Vol. I, No. 1, August 28, p. 3.

SCIENTIFIC AMERICAN, 1845, The Fire Damp: Vol. I, No. 2, September 4, p. 3.

SCIENTIFIC AMERICAN, 1845, The Travelling Balloon: Vol. I, No. 4, September 18, p. 1.

SCIENTIFIC AMERICAN, 1845, Aerial Navigation: Vol. I, No. 5, September 25, p. 3.

SCIENTIFIC AMERICAN, 1845, Aerial Navigation: Vol. I, No. 6, October 2, p. 2.

SCIENTIFIC AMERICAN, 1846, Inflating Balloons: Vol. I, No. 48, August 20, p. 2.

SCIENTIFIC AMERICAN, 1846, A Remarkable Mineral Spring: Vol. II, No. 1, September 26, p. 3.

SCIENTIFIC AMERICAN, 1846, Water Burning for Illumination: Vol. II, No. 4, October 17, p. 28.

SCIENTIFIC AMERICAN, 1847, Hints to Gas Consumers: Vol. II, No. 22, February 20, p. 174.

SCIENTIFIC AMERICAN, 1847, Oil of Stones: Vol. II, No. 39, June 19, p. 308.

SCIENTIFIC AMERICAN, 1847, Gas Manufacture: Vol. II, No. 43, July 17, p. 339.

SCIENTIFIC AMERICAN, 1847, The Burning Springs of Kenawha: Vol. III, No. 6, October 30, p. 46.

SCIENTIFIC AMERICAN, 1847, Home Manufacture of Gas: Vol. III, No. 11, December 4, p. 82.

SCIENTIFIC AMERICAN, 1847, On the Manufacture of Gas: Vol. III, No. 12, December 11, p. 96.

SCIENTIFIC AMERICAN, 1847, On the Manufacture of Gas: Vol. III, No. 13, December 18, p. 104.

SCIENTIFIC AMERICAN, 1847, Manufacture of Gas: Vol. III, No. 14, December 25, p. 112.

SCIENTIFIC AMERICAN, 1848, Alabama Coal: Vol. III, No. 23, February 26, p. 181.

SCIENTIFIC AMERICAN, 1848, Coal Field on James River Virginia: Vol. III, No. 29, April 8, p. 230.

SCIENTIFIC AMERICAN, 1848, Oil from Tar and Pitch: Vol. III, No. 39, June 17, p. 306.

SCIENTIFIC AMERICAN, 1848, Price of Gas: Vol. III, No. 50, September 2, p. 394.

SCIENTIFIC AMERICAN, 1848, Will Gas Explode: Vol. III, No. 51, September 9, p. 402.

SCIENTIFIC AMERICAN, 1849, Steam and Gas Engines: Vol. IV, No. 19, January 27, p. 149a.

SCIENTIFIC AMERICAN, 1849, Lighting with Gas: Vol. IV, No. 19, January 27, p. 149b.

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SCIENTIFIC AMERICAN, 1859, The Gas-Works at the St. Denis Hotel: Vol. 1 New Series, No. 8, August 20, p. 114.

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SCIENTIFIC AMERICAN, 1859, The Coal-Oil Manufacture. Vol. 1 New Series, No. 14, October 1, p. 222.

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SCIENTIFIC AMERICAN, 1859, More About Coal-Oils and Coal. Vol. 1 New Series, No. 17, October 22, p. 270.

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SCIENTIFIC AMERICAN, 1859, The Great Balloon. Vol. 1 New Series, No. 20, November 12, p. 328.

SCIENTIFIC AMERICAN, 1859, Purifying Illuminating Gas. Vol. 1 New Series, No. 22, November 26, p. 345.

SCIENTIFIC AMERICAN, 1859, Coal Oil - Secret Inventions. Vol. 1 New Series, No. 22, November 26, p. 350.

SCIENTIFIC AMERICAN, 1859, Mineral Products of Western Pennsylvania. Vol. 1 New Series, No. 24, December 10, p. 378.

SCIENTIFIC AMERICAN, 1859, Mineral Products of Western Pennsylvania. Vol. 1 New Series, No. 24, December 10, p. 379.

*SCIENTIFIC AMERICAN*, 1859, Is the Manufacture of Oil from Coal Profitable? Vol. 1 New Series, No. 24, December 10, p. 381.

SCIENTIFIC AMERICAN, 1859, Burning Oils. Vol. 1 New Series, No. 24, December 10, p. 382a.

SCIENTIFIC AMERICAN, 1859, The Great Balloon Voyage. Vol. 1 New Series, No. 24, December 10, p. 382b.

SCIENTIFIC AMERICAN, 1859, Oil Fuel for Steamers. Vol. 1 New Series, No. 26, December 24, p. 415.

SEWARD, William H., 1839, *Communication from the Governor, Relative to the Geological Survey of the State*: State of New-York Assembly No. 275, February 27, 1839, 351 p.

SEWARD, William H., 1840, *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, 484 p.

SHELLEY, Mary, 2003 (1831), Frankenstein: Barnes and Noble, New York, 247 p.

SHEPARD, Charles Upham, 1837, A *Report on the Geological Survey of Connecticut. Published under the direction of his excellency, Henry W. Edwards, Governor of the State*: B. L. Hamlen, New Haven, 8vo., 188 p.

SHEPARD, Charles Upham, 1838, Notice of "A Report on the Geological Survey of the State of Connecticut": *The American Journal of Science and Arts*, v. 33, p. 151-175.

SHEPARD, Charles Upham, 1852, A Treatise on Mineralogy (3rd edition): B. L. Hamlen, New Haven, 245 p.

SHERWOOD, John D., 1845, Some observations upon the valley of the Jordan and the Dead Sea: *The American Journal of Science and Arts*, v. 48, p. 1-16.

SHIRLEY, Thomas, 1667, The description of a well, and earth in Lancashire, taking fire by a candle approached to it: *Philosophical Transactions: Giving Some Accompt of the Present Undertakings, Studies, and Labours of the Ingenious in Many Considerable Parts of the World*, Vol. II, No. 23, Royal Society, p. 482-484.

SHORT, Thomas, 1734, *The Natural, Experimental, and Medicinal History of the Mineral Waters of Derbyshire, Lincolnshire, and Yorkshire, Particularly those of Scarborough*: 4to, London, 359 p.

SHUMARD, B. F., 1859, First Report of Progress of the Geological and Agricultural Survey of Texas: John, Austin, 17 p.

SHUMARD, Geo. G., 1886, A Partial Report on the Geology of Western Texas, Consisting of a General Geological Report and a Journal of Geological ObservationsAlong the Routes Traveled by the Expedition Between Indianola, Texas, and the Valley of the Mimbres, New Mexico, During the Years 1855 and 1856; with an Appendix Giving a Detailed Report on the Geology of Grayson County: Texas State Printing Office, Austin, 145 p.

SIEGFRIED, Robert, and DOTT, Robert H. (eds.), 1980, *Humphry Davy on Geology: The 1805 Lectures for the General Audience*: University Wisconsin Press, Madison, 169 p.

SILLIMAN, Benjamin, Jr., 1847, *First Principles of Chemistry, for the Use of Colleges and Schools*: Loomis & Peck, Philadelphia, 492 p.

SILLIMAN, Benjamin, Jr., 1848, *First Principles of Chemistry, for the Use of Colleges and Schools, 2<sup>nd</sup> edition:* Loomis & Peck, Philadelphia, 480 p.

SILLIMAN, Benjamin, Jr., 1855, Report to Messers. Eveleth, Bissell & Reed (p. 37-54), *in* HENRY, J. T., 1873, *The Early and Later History of Petroleum, with Authentic Facts in Regard to its Development in Western Pennsylvania*: Jas. B. Rodgers Co., Philadelphia, 607 p.

SILLIMAN, Benjamin, Jr., 1865, *A Description of the Recently Discovered Petroleum Region in California*: Francis & Loutrel, New York, 24 p.

SILLIMAN, Benjamin, Sr., 1820, *Remarks Made on a Short Tour, Between Hartford and Quebec in the Autumn of 1819*: S. Converse, New Haven, 407 p.

SILLIMAN, Benjamin, Sr., 1820, Sketches of a tour in the counties of New-Haven and Litchfield in Connecticut, with notices of the geology, mineralogy and scenery, etc.: *The American Journal of Science, and Arts*, v. 2, p. 201-235.

SILLIMAN, Benjamin, Sr., 1833, Notice of a fountain of petroleum, called the Oil Spring: *The American Journal of Science and Arts*, vol. XXIII, p. 97-102.

SIMMS, F. W., 1838, Asphaltic mastic, or cement of Seyssel: *The American Journal of Science and Arts*, v. 34, p. 383-386.

SIMPSON, George, 1821 (1938), *Journal of Occurrences in the Athabasca Department by George Simpson, 1820 and 1821, and Report* (E. E. Rich, ed.): The Champlain Society for The Hudson's Bay Record Society, London, 498 p.

SKEY, Joseph, 1816, Some remarks upon the structure of Barbadoes, as connected with specimens of its rocks: *Transactions of the Geological Society*, vol. 3, London, p. 236-242.

SKIMSHIRE, William, 1808, On the phosphorescence of bodies, from the action of the electric explosion, in a letter from Mr. William Skrimshire, Jun., to Mr. John Cuthbertson: *A Journal of Natural Philosophy, Chemistry, and the Arts*, London, p. 153-156.

SMITH, A. J., 1853, Report No. 64, Chickasaw Agency, August 29, 1853, *in* MANYPENNY, Geo. W., *Report of the Commissioner of Indian Affairs, November 26, 1853*: Senate Executive Document no. 1, 33<sup>rd</sup> Congress, 1<sup>st</sup> session, Robert Armstrong, Printer, Washington, p. 400-403.

SMITH, Joseph, Jr. (Translator), 1840, *The Book of Mormon*, 3<sup>rd</sup> edition: Robinson and Smith, Nauvoo, Illinois, 571 p.

SMITH, Richard, 1836, Extraordinary application of gas: *The American Journal of Science and Arts*, vol. XXX, no. 1, p. 184-185.

SMITH, R. Baird, 1843, Memoir on Indian Earthquakes: *Journal of the Asiatic Society of Bengal*, vol. xii, (misnumbered pages: Paper has consecutive pages numbered 1029-1056, 1025-1056, & 1053-1056).

SPAN, Samuel, TOBIN, James, and HATCHETT, Charles, 1807, Some account of the Pitch-lake in the Island of Trinidad, in two letters; The first from Samuel Span, Esq. to James Tobin, Esq. F. L. S.; and the other from Mr. Tobin to Charles Hatchett, Esq. F. R. S. & L. S.; with observations by Mr. Hatchett: *The Transactions of the Linnean Society of London*, vol. viii, p. 251-259.

STANLEY, E. J., 1916, *Life of Rev. L. B. Stateler, a Story of Life on the Old Frontier*: M. E. Church South, Nashville, 356 p.

STANSBURY, Howard, 1852, *Exploration and Survey of the Valley of the Great Salt Lake of Utah, Including a Reconnaissance of a New Route Through the Rocky Mountains*: Senate Executive Document no. 3, Special Session, March 1851, Lippincott, Grambo & Co., Philadelphia, 487 p.

STOKES, J. Lort, 1846, Discoveries in Australia; with an Account of the Coasts and Rivers Explored and Surveyed During the Voyage of H. M. S. Beagle, in the Years 1837-38-39-40-41-42-43. By Command of the Lords Commissioners of the Admiralty. Also a Narrative of Captain Owen Stanley's Visits to the Islands in the Arafūra Sea. Vol. II: Boone, London, 543 p.

STORER, Frank H., 1860, Review of Dr. Antisell's work on photogenic oils, &c.: *The American Journal of Science and Arts*, Second Series, vol. XXX, p. 112-121 and 254-264.

STRABO, 1856, *The Geography of Strabo* (translated by H. C. Hamilton and W. Falconer), v. 2: Henry G. Bohn, London, 410 p.

STRABO, 1857, *The Geography of Strabo* (translated by H. C. Hamilton and W. Falconer), v. 3: Henry G. Bohn, London, 422 p.

STRANGWAYS, William T. H. F., 1824, An Outline of the Geology of Russia: *Transactions of the Geological Society*, vol. 6 (ser. 2, vol. 1), London, p. 1-39.

SWALLOW, G. C., 1855, *The First and Second Annual Reports of the Geological Survey of Missouri*: Missouri Geological Survey, Jefferson City. Part I, 207 p. Part II, 240 p.

SYMES, Michael, 1827, An Account of an Embassy to the Kingdom of Ava in the Year 1795 by Lieut-Colonel Michael Symes; to Which is now Added, a Narrative of the Late Military and Political Operations in the Birmese Empire, with Some Account of the Present Condition of the Country, its Manners, Customs, and Inhabitants, in Two Volumes. Vol. II: Constable and Co., Edinburgh, 233 + 87 p.

TACHĒ, J. C., 1856, Canada at the Universal Exhibition of 1855: John Lovell, Toronto, 463 p.

TAYLOR, Bayard, 1859, *The Life, Travels and Books of Alexander Von Humboldt*. Rudd & Carleton, New York, 482 p.

TAYLOR, Rev. Isaac, 1829, A Nutshell of Knowledge-The Mine: W. B. Gilley, New York, 215 p.

TAYLOR, Rich. C., 1845, Memoir on the character and prospects of the copper region of Gibara, and a sketch of the geology of the north-east part of the island of Cuba: *Transactions of the American Philosophical Society*, v. 9, no. 2, p. 204-218.

http://www.jstor.org/stable/1005220 Accessed Oct. 29, 2017

TAYLOR, Richard C., 1845b, On the anthracite and bituminous coal fields in China; the system of mining, and the prices of coal, and labour in its production, and transportation to Pekin: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 40 (10 3rd Series), Philadelphia, p. 51-57.

TAYLOR, R. C., 1848, Statistics of Coal. The geographical and geological distribution of mineral combustibles or fossil fuel, including, also, notices and localities of the various mineral bituminous substances, employed in arts and manufactures, illustrated by maps and diagrams; embracing, from official reports of the great coal-producing countries, the respective amounts of their production, consumption and commercial distribution, in all parts of the world; ....: J. W. Moore, Philadelphia, 754 p.

TAYLOR, Richard C., 1851, Abraham Gesner vs. Halifax Gas-Light Company. Deposition of Richard C. Taylor, Respecting the Asphaltum Mine at Hillsborough, in the County of Albert and Province of New Brunswick, Supreme Court, Halifax, N. S.: King & Baird, Printers, Philadelphia, 40 p.

TAYLOR, R. C., 1852, On a Vein of Asphaltum at Hillsborough in Albert County, Province of New Brunswick: *Proceedings of the American Philosophical Society, Philadelphia*, vol. v, no. 47, p. 241-243. http://www.jstor.org/stable/3143465 Accessed Oct. 27, 2017

TAYLOR, R. C., 1855, *Statistics of Coal: including mineral bituminous substances employed in arts and manufactures; with their geographical, geological, and commercial distribution, and amount of production and consumption on the American continent, with incidental statisstics of the iron manufacture.* 2<sup>nd</sup> edition by S. S. Haldeman: J. W. Moore, Philadelphia, 640 p.

TAYLOR, Richard Cowling, and CLEMSON, Thomas G., 1839, Notice of a vein of bituminous coal, recently explored in the vicinity of the Havana, in the island of Cuba: *Transactions of the American Philosophical Society*, v. 6, p. 191-196.

http://www.jstor.org/stable/1005321 Accessed Oct. 29, 2017

TAYLOR, Richd. C., and James ROBB, 1851, Joint geological report (marked B, at page 5 of the foregoing deposition) on the asphalte mine of Hillsborough, N. B.: *in* TAYLOR, Richard C., 1851, *Abraham Gesner vs. Halifax Gas-Light Company. Deposition of Richard C. Taylor, Respecting the Asphaltum Mine at Hillsborough, in the County of Albert and Province of New Brunswick, Supreme Court, Halifax, N. S.*: King & Baird, Printers, Philadelphia, 40 p.

THEOBALD, W., 1854, Notes on the Geology of the Punjab Salt Range: *Journal of the Asiatic Society of Bengal*, ser. 2, vol. xxiii, p. 651-678.

THOMAS, David, 1819, *Travels Through the Western Country in the Summer of 1816, Including Notices of the Natural History, Antiquities, Topography, Agriculture, Commerce and Manufactures: with a Map of the Wabash Country, now Settling:* David Rumsey, Auburn, NY, 321 p.; 1970 facsimile with notes by John W. Wells and George W. White, Hafner Publishing, Darien, CN, 338 p.

THOMAS, David, 1831, Remarks on Professor Eaton's "Observations on the coal formations in the State of New York: *The American Journal of Science and Arts*, v. 19, p. 326-328.

THOMASSY, R., 1860, Geologie Pratique de La Louisane: Chex L'Auteur, Nouvelle-Orleans, 264 p.

THURY, Hericart de, 1838, Notice sur Les Mines D'asphalt, Bitume et Lignites de Lobsann: Paris, 52 p.

TRASK, John B., 1854, A Report on the Geology of the Coast Mountains, and Part of the Sierra Nevada: Embracing their Industrial Resources in Agriculture and Mining: State of California, Senate Document No. 9, 95 p.

TRASK, John B., 1855, *Report on the Geology of the Coast Mountains; Embracing their Agricultural Resources and mineral Productions. Also, Portions of the Middle and Northern Mining Districts:* State of California, Document No. 14, 93 p.

TRASK, John B., 1856, *Report on the Geology of Northern and Southern California, Embracing the Mineral and Agricultural Resources of those Sections; with Statistics of the Northern, Southern and Middle Mines*: State of California Assembly Document No. 14, 66 p.

TRIGER, M., 1846, Deep wells in China: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 41 (11 3rd Series), Philadelphia, p. 142.

TRIMMER, Joshua, 1842, *Practical Geology and Mineralogy; with Instructions for the Qualitative Analysis of Minerals*: Lea and Blanchard, Philadelphia, 527 p.

TRIPLER, M. A.-B., 1859, Mode de traitement de l'asphalte de Cuba: *Le Technologiste*, ou Archives des Progres de L'Industrie Française et Étrangère, tome xx, p. 583-584.

TROOST, G., 1821, Description of a variety of amber, and of a fossil substance supposed to be the nest of an insect discovered at Cape Sable, Magothy River, Ann-Arundel County, Maryland: *The American Journal of Science and Arts*, Vol. III, p. 8-15.

TUOMEY, M., 1848, *Report on the Geology of South Carolina*: A. S. Johnston, Columbia, 4to., vi + 293 + lvi p., plate, 2 maps.

TUOMEY, Michael, 1850, *First Biennial Report on the Geology of Alabama*: M. D. J. Slade, Tuscaloosa, 176 p. 2010 reprint Bibliolife

TUOMEY, Michael, 1858, Second Biennial Report on the Geology of Alabama: N. B. Cloud, Montgomery, 292 p.

TURNER, Edward, 1839, Chemical examination of the fire-damp from the coal mines near Newcastle: *The American Journal of Science and Arts*, vol. XXVII, no. 2, p. 201-210.

TURNER, O., 1849, Pioneer History of the Holland Purchase of Western New York Embracing Some Account of the Ancient Remains: Jewett, Thomas & Co., Buffalo, 666 p.

TYLEE, 1845, On Barbadoes Naphtha: Pharmaceutical Journal and Transacions, vol. iv, p. 73-75.

TYSON, Philip T., 1850, *Report of the Secretary of War, Communicating Information in Relation to the Geology and Topography of California*: U. S. 31<sup>st</sup> Congress, 1<sup>st</sup> Session, Senate Ex. Doc. No. 47, Washington, 127 p.

TYSON, Philip T., 1851, Geology and Industrial Resources of California, to which is added the Official Reports of Genls. Persifer F. Smith and B. Riley—Including the Reports of Lieuts. Talbot, Ord, Derby and Williamson, of their Explorations in California and Oregon; and also of their Examinations of Routes for Rail Road Communication Eastward from those Countries. Minifie, Baltimore, 127 + 37 p.

UPSHAW, A. M. M., 1845, Report of Chickasaw Agency, no. 18, August 16, 1845, *in* MEDILL, William, *Annual Report of Office of Indian Affairs*: House Document no. 2, 29<sup>th</sup> Congress, 1<sup>st</sup> session, p. 524-526.

http://digicoll.library.wisc.edu/cgi-bin/History/Historyidx?type=turn&id=History.AnnRep4045&entity=History.AnnRep4045.p0891 (accessed 05/30/2016)

UPSHAW, A. M. M., 1846, Report of Chickasaw Agency, no. 12, September 1, 1846, *in* MEDILL, William, *Annual Report of the Commissioner of Indian Affairs, Transmitted with the Message of the President at the Opening of the Second Session of the Twenty-Ninth Congress, 1846-1847*: Ritchie & Heiss, Printers, Washington, p. 63-65. http://digicoll.library.wisc.edu/cgi-bin/History/History-

idx?type=turn&entity=History.AnnRep4650.p0061&id=History.AnnRep4650&isize=M (Accessed 05/30/2016)

UPSHAW, A. M. M., 1848, Report of Chickasaw Agency, no. 14, August 20, 1848, *in* MEDILL, William, *Annual Report of Office of Indian Affairs*: House Executive Document no. 1, 30<sup>th</sup> Congress, 2nd session, p. 529-532. http://digicoll.library.wisc.edu/cgi-bin/History/History-

idx?type=turn&entity=History.AnnRep4650.p0538&id=History.AnnRep4650&isize=M (accessed 05/30/2016)

URE, Andrew, 1821, A Dictionary of Chemistry, on the Basis of Mr. Nicholson's, Vol. I: Robert DeSilver, Philadelphia,

URE, Andrew, 1821, A Dictionary of Chemistry, on the Basis of Mr. Nicholson's, Vol. II: Robert DeSilver, Philadelphia,

URE, Andrew, 1840, Report, Andrew Ure, M. D., F. R. S., &c., upon the asphalte rocks of Val-de-Travers, Seyssel. Pyrimont, &c., and their application as a mastich, in foot-pavements, roofs, aqueducts, cisterns, &c.: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 29 (25 New Series), Philadelphia, p. 409-413.

URE, Andrew, 1849, On Naphtha and its Uses: Pharmaceutical Journal and Transactions, vol. viii, p. 65-66, 125.

VANCOUVER, George, 1798, *A Voyage of Discovery to the North Pacific Ocaean, and Around the World*: London, II, 449 p. (in WHITE, 1968, *Scientists in Conflict*, p. 4 & 241)

*VANITY FAIR*, 1861, Grand ball given by the whales in honor of the oil wells in Pennsylvania: Vol. 3, April 20, 1861, p. 186.

VANUXEM, Lardner, 1837, First annual report of the geological survey of the fourth district of the state of New-York, *in* MARCY, W. L., 1837, *Communication from the Governor, relative to the Geological Survey of the State*: State of New-York Assembly No. 161, February 11, 1837, p. 187-212.

VANUXEM, Lardner, 1839, Third annual report of the geological survey of the third district, *in* SEWARD, William H., 1839, *Communication from the Governor, Relative to the Geological Survey of the State*: State of New-York Assembly No. 275, February 27, 1839, p. 241-285.

VANUXEM, Lardner, 1840, Fourth annual report of the geological survey of the third district, *in* SEWARD, William H., 1840, *Communication from the Governor, Transmitting Several Reports Relative to the Geological Survey of the State*: State of New-York Assembly No. 50, January 24, 1840, p. 357-383.

VANUXEM, Lardner, 1842, *Geology of New York, Part III, Comprising the Survey of the Third Geological District*: White & Visscher, Albany, 306 p.

VAUQUELIN, 1824, Bitumen in native sulphur: The Edinburgh Philosophical Journal, v. 11, p. 411.

VICARY, Capt., 1847, Introduction to a second memoir of Capt. Vicary on the geology of parts of Sinde: *Quarterly Journal of the Geological Society of London*, v. 3, p. 331-349.

VIGNE, G. T., 1843, A Personal Narrative of a Visit to Ghuzni, Kabul, and Afghanistan, and of a Residence at the Court of Dost Mohamed: with Notices of Runjit Sing, Khiva, and the Russian Expedition, 2<sup>nd</sup> edition: 8vo, London.

VIGNE, G. T., 1842, *Travels in Kashmir, Ladak, Iskardo, the Countries Adjoining the Mountain-Course of the Indus, and the Himalaya, North of the Punjab:* 2 vols., 8vo, London.

VIGNE, G. T. (with essay by E. SOLLY, Jr.), 1842, "Rock oil near Derabund"; Kabul, p. 61. (Peckham, 1884, p. 285)

WAILES, B. L. C., 1854, Report on the Agriculture and Geology of Mississippi: E. Barksdale, Philadelphia, 371 p.

WALKER, John, 1779-1803, *Lectures on Geology Including Hydrography, Mineralogy, and Meteorology with an Introduction to Biology*: edited with notes and an introduction by Harold SCOTT, 1966, Univ. Chicago Press, Chicago, 280 p.

WALL, G. P., and SAWKINS, Jas., 1857, Report of progress, from August 25, 1856, to February 24, 1857, of the Survey of the Economic Geology of Trinidad: *Annual Report of the Board of Regents of the Smithsonian Institution, Showing the Operations, Expenditures, and Condition of the Institution for the Year 1856.* A. O. P. Nicholson, Washington, p. 281-288.

WALL, G. P., and SAWKINS, J. G., 1860, *Report on the Geology of Trinidad; or Part I. of the West Indian Survey*: Memoirs of the Geological Society, Longman Green, Longman and Roberts, London, 211 p.

WEBSTER, Noah, 1857, An American Dictionary of the English Language; Exhibiting the Origin, Orthography, Pronunciation, and Definitions of Words: 1011 p.

WELLS, David A. (ed.), 1850, Annual of Scientific Discovery: or, year-book of facts in science and art, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; an index of important papers in scientific journals, reports, etc.: Gould, Kendall and Lincoln, Boston, 392 p.

WELLS, David A. (ed.), 1851, Annual of Scientific Discovery: or, year-book of facts in science and art, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; an index of important papers in scientific journals, reports, etc.: Gould and Lincoln, Boston, 428 p.

WELLS, David A. (ed.), 1852, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1852, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1851, etc., etc.: Gould and Lincoln, Boston, 408 p.

WELLS, David A. (ed.), 1853, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1853, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1852, etc., etc.: Gould and Lincoln, Boston, 411 p.

WELLS, David A. (ed.), 1854, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1854, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy,

chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1853, etc.: Gould and Lincoln, Boston, 398 p.

WELLS, David A. (ed.), 1855, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1855, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1854, etc.: Gould and Lincoln, Boston, 394 p.

WELLS, David A. (ed.), 1856a, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1856, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1855, etc.: Gould and Lincoln, Boston, 398 p.

WELLS, David A., 1856b, Familiar Science; or, the Scientific Explanation of the Principles of Natural and Physical Science, and Their Practical and Familiar Applications to the Employments and Necessities of Common Life, Illustrated with Upwards of One Hundred and Sixty Engravings: Childs and Peterson, Philadelphia, 566 p.

WELLS, David A. (ed.), 1857, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1857, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1856, etc.: Gould and Lincoln, Boston, 406 p.

WELLS, David A. (ed.), 1858, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1858, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, meteorology, zoology, botany, mineralogy, geology, geography, antiquities, etc., together with a list of recent scientific publications; a classified list of patents; obituaries of eminent scientific men; notes on the progress of science during the year 1857, etc.: Gould and Lincoln, Boston, 419 p.

WELLS, David A. (ed.), 1859, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1859, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, geology, zoology, botany, mineralogy, meteorology, geography, antiquities, etc., together with notes on the progress of science during the year 1858; a list of recent scientific publications; obituaries of eminent scientific men; etc.: Gould and Lincoln, Boston, 410 p.

WELLS, David A. (ed.), 1860, Annual of Scientific Discovery: or, year-book of facts in science and art, for 1860, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, geology, zoology, botany, mineralogy, meteorology, geography, antiquities, etc., together with notes on the progress of science during the year 1859; a list of recent scientific publications; obituaries of eminent scientific men; etc.: Gould and Lincoln, Boston, 430 p.

WELLS, David A. (ed.), 1861a, Annual of scientific discovery: or, year-book of facts in science and art, for 1861, exhibiting the most important discoveries and improvements in mechanics, useful arts, natural philosophy, chemistry, astronomy, geology, zoology, botany, mineralogy, meteorology, geography, antiquities, etc., together with notes on the progress of science during the year 1860; a list of recent scientific publications; obituaries of eminent scientific men; etc.: Gould and Lincoln, Boston, 424 p.

WELLS, David A., 1861b, *Well's First Principles of Geology, a Text-Book for Schools, Academies, and Colleges:* Ivison, Blakeman, Taylor & Co., New York, 333 p.

WELLS, Henry, et al., 1832, Communication from a Committee of the Cabinet of Science of Bradford County to the Geological Society of Pennsylvania: *The Monthly American Journal of Geology and Natural Science*, vol. I, no. 11, May 1832, p. 519-523.

WELLSTED, J. R., 1838, Travels in Arabia, 2 vols.: 8vo, John Murray, London.

WELLSTED, J. R., 1841, *Travels to the City of the Caliphs, Along the Shores of the Persian Gulf and the Mediterranean, Including a Voyage to the Coast of Arabia and a Tour on the Island of Socotra, 2 vols.*: 8vo, Lea & Blanchard, Philadelphia.

WETHERILL, Charles M., 1851, Presentation at Franklin Institute monthly meeting, February 20, 1851: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 51 (3<sup>rd</sup> series 21), p. 212.

WETHERILL, Charles M., 1853, On a new variety of asphalt: (Melan-Asphalt): *Transactions of the American Philosophical Society*, v. 10, p. 353-358. http://www.jstor.org/stable/1005285 Accessed Oct. 29, 2017

WETHERILL, Charles M., 1853b, On a new variety of asphalte, (melan-asphalte.): *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 55 (3<sup>rd</sup> series 25), p. 432.

WETHERILL, Charles M., 1854, An apparatus for organic analysis by illuminating gas, and on the use of this gas in experimental laboratories: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 58 (3<sup>rd</sup> series 28), p. 107-115, 184-191, and 274-279.

WHEELOCK, T. B., 1834, Journal of Colonel Dodge's expedition from Fort Gibson to the Pawnee Pict village. *Senate Executive Document 1*, v. 1, 23<sup>rd</sup> Congress, 2<sup>nd</sup> Session, p. 73-93. *Also in* American State Papers, Military Affairs, v. V, p. 373-382.

WILCOX, R. LIEUT, 1832, Memoir of a survey of Asam and the neighboring countries, executed in 1825-6-7-8: *Asiatic Researches*, v. XVII, p. 314-469.

WILKES, Charles, 1849, Western America, Including California and Oregon, with Maps of those Regions. and of "The Sacramento Valley." from Actual Surveys: Lea and Blanchard, Philadelphia, 130 p.

WINCH, N. J., 1817, Observations on the geology of Northumberland and Durham: *Transactions of the Geological Society*, vol. 4, London, p. 1-101.

WINCH, N. J., 1821, Observations on the eastern part of Yorkshire: *Transactions of the Geological Society*, vol. 5, London, p. 545-558.

WINCHELL, Alexander, 1861, First Biennial Report of the Progress of the Geological Survey of Michigan, Embracing Observations on the Geology, Zoology and Botany of the Lower Peninsula: Hosmer & Kerr, Lansing, 339 p.

WOOD, John, 1841, A Personal Narrative of a Journey to the Source of the River Oxus by the Route of the Indus, Kabul, and Badakshan, Performed Under the Sanctionof the Supreme Government of India, in the Years 1836, 1837, and 1838: 8vo, JohnMurray, London, 424 p.

WOOLDRIDGE, A. S., 1842, Geological and statistical notice of the coal mines in the vicinity of Richmond, Va.: *The American Journal of Science and Arts*, v. 43, p. 1-9.

WRIGHT, Thomas, 1856, On the paleontological and stratigraphical relations of the so-called "sands of the inferior oolite.": *Quarterly Journal of the Geological Society of London*, v. 12, p. 292-325.

YOUNG, James, 1855, Improvements in the treatment of certain bituminous mineral substances, and in obtaining products therefrom: *Journal of the Franklin Institute of the State of Pennsylvania*, vol. 60 (3<sup>rd</sup> series 30), p. 270-273.

YOUNGLOVE, M. C., 1852, Dissertation upon the origin of mineral coal (1845), *in* WHITTLESEY, Charles, *Fugitive essays, upon interesting and useful subjects, relating to the early history of Ohio, its geology and agriculture, with a biography of the first successful constructor of steamboats; a dissertation upon the antiquity of the material universe, and other articles, being a reprint from various periodicals of the day:* Sawyer, Ingersoll and Co., Hudson, Ohio, p. 97-125.

YULE, Henry, 1858, A Narrative of the Mission Sent by the Governor-General of India to the Court of Ava in 1855, with Notices of the Country, Government, and People: Smith, Elder, and Co., London, 390 p.

ZENO, Nicolò, 1558, The Discovery of the Islands of Frislandia, Eslanda, Engronelanda, Estotilanda, and Icaria; made by two brothers of the Zeno family, namely, Messire Nicolò, the Chevalier, and Messire Antonio. With a Map of the Said Islands (translated title): Venice. (See also Major 1873)