Cumulative Index for Antiquarian Horology Volumes 1 to 9 Compiled by Edward Powell @ AHS 2006

INDEX TO VOLUME ONE

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Compiled by Mr. Rodney J. Law[V1]

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Antiquorum, Geneva, Thematic Auctions *The Art of Patek Philippe - Legendary Watches catalogue of sale 9 April 1989.* [V26]
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Edgcumbe, Richard *The Art of the God Chaser in Eighteenth-century London*, 2000.[V26]
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Guitton, Robert *Quand Sonne L'Heure*, 1958.[V26]
Harrison, John (introduction and technical appraisal by Jonathan Betts). *The principles and explanations of timekeepers by Harrison, Arnold and Earnshaw*, facsimilie 1984. [V26]
Harrison, Paul, *Gledhill-Brook Time Recorder Co Ltd, England, 1912-1964*, 1991.[V26]
Harrison, Paul, *The Watchman's Tell-tale Clock, 1800-1920*,1995.[V26]
Haselton, Philip H. *The Watchmans' Clock in America : a brief history*, 1993. From Paul Harrison.[V26]
Havard, Henry *L 'Horlogerie*, [1893].[V26]
Heuer, Peter, Maurice, Klaus *European Pendulum Clocks*, English edition 1988.[V26]
Hoke, Donald Robert, *The Time Museum Historical Catalogue of American Pocket Watches*, 1991.[V26]
Horology from *Encyclopaedia Britannica*, extracted from 8th edn. 1855.[V26]
Howse, Derek (compiled by) *The Greenwich List of Observatories : A World List of Astronomical Observatories, Instruments and Clocks, 1670 - 1850*, 1986.[V26]
Huygens, Christiaan (introduction by H. J. M. Bos) *The Pendulum Clock*, (First English Translation with Notes by Richard J. Blackwell of *Horologium Oscillotorium)*, 1986.[V26]
Janvier, Antide *Manuel Chronometrique*, 1815.[V26]
Jennings, Trevor S., *British and Irish Chime Barrel Mechanisms, their Music and the Community Response, 1550 - 1930*, 2000.[V26]
Kaltenböck, Frederick *Watch-keys : three centuries of history and development*, English edition, 1983.[V26]
Kiu Tai Yu, *Time in pocket, rare pieces from Asia's largest and finest private pocket watches collection*, 1992.[V26]
Kjellberg, Pierre, *Encyclopedie de La pendule francaise de Moyen Age au XXe siecle*, 1997. [V26]
Kockmann, Karl *Clock and Watch Trademark Index of European Origin*, reprint 2001.[V26]
Le Normand, S. (revised and augmented by M. D. Magnier) *Nouveau Manuel Complet de L'Horloger: ou guide des ouvriers qui s'occupent de la construction des machines propres a mesurer le temps*, New ed., 1850.[V26]
Le Normand, S. [et al] *Nouveau Manuel Complet de L'Horloger: comprenant la construction detailee de 1 'horlogerie ordinaire et de precision et en general de toutes les machines propres a mesurer le temps a I 'usage des fahricants et des amateurs*, Volumes I & II, New ed 1896.[V26]
Le Normand, S. [et al] *Nouveau Manuel Complet de L'Horloger: atlas*, (15 folded plates), 1896.[V26]
Lippincott, Kristen, *The story of time*, 1999.[V26]
Matthews, Martin *Engine Turning 1680-1980: The Tools and Techniques*, n.d. (1984).[V26]
Matthey, J.P *Le Pendulier Neuchâtelois*, n.d.[V26]
Mayson, Geoffrey T. *Mechanical Singing-bird Tabatiéres*, 2000. [V26]
McKay, Chris (Compiler) *J. Smith and Sons of Clerkenwell facsimiles of articles and trade literature*, 2001.[V26]
Millburn, John R. *Adams of Fleet Street, Instrument Makers to King George III*, 2000.[V26]
Miller, Andrew Hayes *Illinois Horology*, 1977.[V26]
Moore, A. J., *The Clockmakers of Bristol, 1650-1900 (Together witha Supplementary List of the*

Clockmakers of Bath 1650-1900), 1999.[V26]

Myall, R. Newton and Mayall Margaret W. *Sundials: Their Construction and Use,* 2000. [V26]

Nicolet, J. C. *From Hand to Machine: Tool Collection of the Musée International dHorlogerie,* 2000.[V26]

Oestmann, Gunther, *Uhren und wissenschaftliche Instrumente der Familie,*Hager, 1999.[V26]

O'Mallet, Michael *Keeping Watch : A History of American Time,* 1996.[V26]

Osborne, Clive A. *Gibraltar Clock and Watch Makers,* 1999.[V26]

Osterhausen, Fritz von (trans. by Derek Pratt) *The Movado history,* Eng Ed., 1996.[V26]

Patents For Inventions, Group XVIII includes Horology. *Abridgements of Specifications Nos 340001-440000* ,1931-34. [V26]

Persegol, J -E, *Nouveau Manuel Complet de L'Horloger rhahilleur traitant des diverses operations de rhahillage,* 1907.[V26]

Portal, Camille, *et de* Graffigny, H. *Les Merveilles de L'Horlogerie,* 1888.[V26]

Priestley Philip, *Early Watch Case Makers of England, 1631 to 1720,* 2000. [V26]

Priestley, Philip *Watchcase-maker's Marks in the missing Register of 1739-58,* 2000. From the author. Reprinted from *The Silver Society Journal,* No.12 (autumn 2000).[V26]

Randall, Anthony G. (revised by Richard Good) *Catalogue of Watches in the British Museum - VI: Pocket Chronometers, Marine Chronometers and other Portable Precision Timekeepers,* 1990.[V26]

Randall, Anthony G., *The Time Museum Catalogue of Chronometers,* 1992.[V26]

Roberts, Derek, *Antiques Millennium Exhibition, 24 October - 2 December,* 2000.[V26]

Robey, John *The longcase clock Reference Book, in 2 Vols,* 2001. [V26]

Shaffer, D. H. *A Survey History of the American Spring Driven Clock 1840-1860,* 1973.[V26]

Simmons, J. S. G., *Wren's dial remov'd: or High-Victorian huhris at All Souls,* 2000.[V26]

Simoni, Antonio *Orologi Italiani dal cinquecento all'ottocento,* 1965.[V26]

Snelling, R. F. S. (Editor) *The Horological Directory* - 2001.[V26]

Sotheby's, New York, *TheJustice Warren Shepro Collection of Clocks,* cat. of sale 26 April 2001.[V26]

Spittler, Sonya L. & Thomas and Bailey, Chris (compiled by) *American Clockmakers & Watchmakers,* 2000. [V26]

Stephenson, Bruce *The Universe Unveiled: Instruments and Images through History,* 2000.[V26]

Stolberg, Lukas. *Die Kutschenuhr : Satteluhren, Karossenuhren, Alkovenuhren,* 1993.[V26]

Stuart, William Galland *Watch and Clockmakers in Ireland,* 2000. [V26]

Tennant, M.E *Longcase Painted Dials, their history and restoration,* 1995.[V26]

White, Allen *The Chain Makers, reprint of 1967 edition with additions,* 2000.[V26]

Wood Jr, Stacy B.C. and Kramer III, Stephen E. *Clockmakers of Lancaster County and their clocks, 1750-1850,* 1977.[V26]

Yde-Anderson, D. *Bombolmere og andre gamle ure,* [Lists Danish Makers pp. 165-198], 2nd Ed. 1968.[V26]

Books purchased by Jim Cowsill Memorial Fund:-[V26]

Chapuis, Alfred, *L'horlogerie une tradition Helvitique,* 1948.[V26]

Fried, Henry, *The Electric Watch Repair Manual,* 1965 and 1972.[V26]

Isaacs, Eliot (Editor), *Electric Clocks and Watches, 1840-1960,* 1999.[V26]

Books purchased in memory of Mr J.C. Gemmill:[V26]

Abbott, Henry G. *A Pioneer A history of the American Waltham Watch Company of Waltham, Mass,* 1905.[V26]

Ball, Robert WD. *American Shelf and wall clocks,* revised and enlarged, 1999.[V26]

Dreppard, Carl W *American Clocks and Clockmakers,* enlarged ed, 1958. [V26]

Nicholson, Don and Alice *Novelty and Animated Wall Pendulette Clocks,* 1977.[V26]

Books purchased in memory of Ronald A. Lee:[V26]

Barder, Richard C.R. *The Georgian Bracket Clock,* reprint 2001.[V26]

Britten, E.J. (Revised by Richard Good) *Brittens' Watch and Clock Makers' Handbook, Dictionary*[V26]

and Guide, 16th edn, 1987.[V26]

Dawson, Percy G. *The Iden Clock Collection,* 1987.[V26]

Vehmeyer, H. N., *Antieke uurwerken Een familieverzameling,* 1994.[V26]

Books microfiches of manuscripts[V26]

Fiche No.59, Solon Abbott's *Watch Book 1869-1879.* [V26]

Fiche No.61, Benjamin Gray's *Day Book.*[V26]

Book reviews (by Author, reviewers name in brackets)[V26]
Bartsky, Ian R., *Selling the True Time Nineteenth Century Timekeeping in America*, ISBN 0804738742 (Jonathan Betts) 573[V26]
Bundock, Mick, *Herne Bay Clock Tower*, ISBN 0953897702 (Jeff Darken) 443[V26]
Cloutman, Edward, *English and Scottish Musical Clocks*, AHS 2000 ISBN 090180351 (John Hooper) 205[V26]
Daniels, George, *All in Good Time Reflections of a watchmaker*, (Alan Smith) 571[V26]
Edgcumbe, Richard, *The Art of the Gold Chaser in 18th Century London*, ISBN 01198172249 (Philip Preistley) 439[V26]
Mayall, R. N. and Mayall, M. W., *Sundials Their Construction and Use*, (Doug Bateman) 101[V26]
Mayson, Geoffrey T., *Mechanical Singing Bird Tabatieres*, ISBN 070906303 (Alan Godier) 307[V26]
McKay, Chris, *J. Smith & Sons of Clerkenwell*, ISBN 0953897729 (Jeff Darken) 443[V26]
Millburn, John R., *Adams of Fleet Street, Instrument makers to King George III*, (Paul Middents) 304[V26]
Penney, David., *Nicole, Nielsen & Co. High class English Watches*, Reprint ISBN 0953312216 (Jonathan Betts) 690[V26]
Preistley, Phillip, *Early watch Case Makers of England 1631-1720, NAWCC supplement No. 3* 2000 (David Thompson) 203[V26]
Robey, John, *The longcase clock Reference Book* ISBN 09540525.I.X (Michael Hurst) 690[V26]
Stephenson, Bruce, Bolt, Marvin & Freidman, Anna Felicity, *The Universe Unvailed*, ISBN 0521 79143 (Jeff Darken) 308[V26]
Stuart, William Galland, *Watch and Clockmakers in Ireland*, ISBN 0953968804 (Jeff Darken) 444[V26]
Wayman. M. L., *The Ferrous Metallurgy of Early Clocks and Watches. Studies in Post Medieval Steel*, British Museum, Paper No. 136, 2000 (John Robey) 101[V26]
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ANTIQUARIAN HOROLOGY

AND THE PROCEEDINGS OF THE ANTIQUARIAN HOROLOGICAL SOCIETY

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In the March issue, the editor had explained that the journal would no longer be published in volumes of six, but of four issues. After the journal was printed, he realised that instead of starting pagination at 1, as he should have done since it was the first issue in a new volume, he had numbered on from the previous issue, as if it was still going to be the fifth issue in the volume. To avoid even more confusion, it was decided to continue this inflated pagination in the remaining issues of this volume.

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Issued Quarterly to Members

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ANTIQUARIAN HOROLOGY

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