

Scholarly Publications of Bo Lawergren (sole author unless otherwise indicated)

- 99 “Chinese zithers and harps, 2000 to 100 BC,” Emma Bunker, ed., 2019. To be published by Abegg Museum, Riggisberg, Switzerland.
- 98 “Provenience of Qin Tuning Keys in China, ca. 400 – 100 BCE.” 2019, Ricardo Eichmann, Ellen Hickmann, Lars-Christian Koch (eds.), *Studien zur Musikarchäologie IX*, Orient-Archäologie 22 (Rahden).
- 97 ”Sounds of the Ancient World: Harps Across Time and Space,” , 2018: 53-57, a chapter in *IDOLS, the Power of Images*. Ed. Annie Caubet. Skira, Fondazione Giancarlo Ligabue,
- 96 ”Music,” A chapter in the book *The Elamite World*, 2018: 781-800, J. Álvarez-Mon, G.P. Basello, and Y. Wicks, Routledge, London and New York.
- 95 ”De tre första årtusenden av harpor,” paper read at Nordic Harp Meeting, Järna, Sweden, Nov. 1, 2013.
- 94 *The Earliest Music, a Survey of Music Archaeology*, a book to be published by The University of Pennsylvania Press (expected 2020).
- 93 “Music,” *The Cambridge History of China (The Six Dynasties)*, eds. Albert Dien and Keith Knapp, 2019.
- 92 Number 76 translated and republished in China.
- 91 “Musikarkeologi i Iran,” pp. 21-26 in *Iran, 4 000 år av historia, konst, religion, litteratur och språk*, Ashk Dahlén och Carina Jahani (Red.), Uppsala, 2014.
- 90 “The Rebirth of the Angular Harp,” *Early Music America* 17:2 (Summer 2011), pp. 26-31, 61.
- 89 “Ancient Harps Near Dunhuang,” pp. 117-124 in Neville Agnew (ed.), *Conservation of Ancient Sites on the Silk Road: Second International Conference on the Conservation of Grotto Sites*, Getty Conservation Institute (2010).
- 88 “*Zhongguo Konghou de Fangfang Mianmian*” [“Aspects of the Ancient Konghou,” in Chinese], Yue Pingqiu (transl.), *Yuefu Xinsheng [New Voices in the Musical Academy]* 28: 3 (Sept 2010) 142-153.
- 87 “Aspekty starożytnej konghou” *Biuletyn Polskiego Towarzystwa Harfowego*, 17: 16-17 (December 2009).
- 86 “Aspekty starożytnej konghou” *Biuletyn Polskiego Towarzystwa Harfowego*, 16: 16-17 (August 2009).
- 85 “Aspekty starożytnej konghou” *Biuletyn Polskiego Towarzystwa Harfowego*, 15: 13-15 (April 2009).
- 84 “Aspekty starożytnej konghou” *Biuletyn Polskiego Towarzystwa Harfowego*, 14: 16-17 (December 2008).
- 83 “Bull Lyres, Silver Lyres, Silver Pipes, and Animals in Sumer, ca. 2500 BC, pp. 77-82 in *ICONEA 1* (2008).

- 82 “Angular Harps Through the Ages; a Causal History,” pp. 261-281 in Arnd Adje Both, Ricardo Eichmann, Ellen Hickmann, Lars-Christian Koch (eds.), *Studien zur Musikarchäologie VI*, *Orient-Archäologie* 22 (Rahden 2008).
- 81 “Qinshi: gongyuanqian 433 nian qianhou di qin” [= “History of the qin: before and after the year 433 BCE”], pp. 125-142 in *Zhongming Huanyu* (Wuhan 2008).
- 80 “Music on Japanese Raigō Images 700–1700 — and Chinese Influences,” pp. 45–89 in Manuel Pedro Ferreira (ed.), *Medieval Sacred Chant: from Japan to Portugal* (Lisbon 2008).
- 79 “Iranian music, Pre-Islamic” (in Persian), *Mahoor Music Quarterly* 28 (2005) 39-57.
- 78 “Iranian music, 3000 B.C. to 1500 A.D.,” *Encyclopædia Iranica*, ed. E. Yarshater (finished 2006).
- 77 “Neolithic Drums in China,” pp. 109–127 in *Studien zur Musik Archäologie V*, eds. Eds. E. Hickmann, A.A. Both, and R. Eichmann. Deutsches Archäologisches Institut; Orient-Abteilung; *Orient-Archäologie* 20 (2006).
- 76 “Iconography of the Chinese *Qin* zither,” *Music in Art* 32 (1-2), 47-63 (2007).
- 75 “Oxus trumpet,” *Encyclopædia Iranica*, ed. E. Yarshater (2005).
- 74 “Etruscan Musical Culture and its Wider Greek and Italian Context,” *Etruscan Studies* 10, 119-138 (2004-2007).
- 73 “Musical Instruments on the Silk Road: Their Musical and Societal Dynamics,” pp. 99 – 115 in Sheen Dae-Cheol (ed.), *The Music and Culture of the Silk Road* (Seoul: Korean Musicological Society, 2005).
- 72 “How *Qin*-zithers changed between 500 BCE and 500 CE,” pp. 295 – 310 in *Studien zur Musik Archäologie IV*, eds. E. Hickmann and R. Eichmann. Deutsches Archäologisches Institut; Orient-Abteilung; *Orient-Archäologie* 15 (2004).
- 71 “Sichou Zhi Lu Yueqi Kao” [in Chinese = “The Dynamics of Musical Instruments on the Ancient Silk Road”], *Jiaoxiang* [Journal of Xi’an Conservatory of Music, Xi’an] 2004.3, 49 – 54.
- 70 “The Acoustical Context of Oxus Trumpets,” Proceedings of ISMA 2004 (International Symposium on Musical Acoustics), March 31st to April 3rd, 2004, in Nara, Japan. The symposium papers are given on CD-ROM [ISBN4-9980602-4-4], which can be purchased at <http://www2.nict.go.jp/jt/a132/ISMA2004/proceedings.html>.
- 69 “Bazeleike de gudai shuqin” [in Chinese, = “The Ancient Harp from Pazyryk”], *Yinyue Yanjiu* [Music Research, Journal of the People’s Music Publishing House, Beijing] 113 (2004.2) 94 – 101.
- 68 “Western Influences on the Early Chinese Qin-Zither,” *Bulletin of the Museum of Far Eastern Antiquities* 75, 79-109 (2003).
- 67 “Harp (čang),” *Encyclopædia Iranica* 12: 1 (2003) 7 – 13.
- 66 “Oxus Trumpets, ca. 2200 – 1800 BCE: Material Overview, Usage, Societal Role, and Catalog,” *Iranica Antiqua* 38 (2003) 41 – 118.

- 65 “Metamorphosis of the *Qin*, 500 BCE – CE 500,” *Orientalis* 34 (May 2003) 31 – 38.
- 64 “Harps, Lutes and Music Along the Silk Road: A First Millennium Migration,” pp. 52 – 55 in *The Silk Road Project. Arts and Humanities Programs at Cal Performances, University of California, Berkeley, April 2002*. Berkeley: Cal Performances, 2003.
- 63 “Les instruments à cordes chinois de 500 av. J.-C. à 500 apr. J.-C.,” pp. 114–121 in *Archéologie et musique; actes du colloque des 9 et 10 février 2001*. Les cahiers du musée de la musique. Paris: Musée de la musique, 2002.
- 62 “Waisted Drums in Ancient China and Eurasia,” pp. 115 – 120 in Annette L. Juliano and Judith A. Lerner (eds.), *Nomads, Traders and Holy Men Along China’s Silk Road; Papers presented at a symposium held at The Asia Society of New York, November 9 – 10, 2001*. Turnhout: Brepols, 2002.
- 61 “An Introduction to Oxus Trumpets, ca. 2000 B.C.,” pp. 519 – 525 in *Studien zur Musik Archäologie III*. Eds. E. Hickmann, A.D. Kilmer and R. Eichmann. Deutsches Archäologisches Institut; Orient-Abteilung; Orient-Archäologie 10. Rahden: Marie Leidorf, 2002.
- 60 “Harp (ancient),” pp. 881 – 888 & 894 – 896 in *The New Grove Dictionary of Music and Musicians*² (= *New Grove II*), eds. S. Sadie and J. Tyrrell. London: Macmillan, 2001.
- 59 “Parthian empire,” *New Grove II*, vol. 19 (2001) 172 – 173.
- 58 “Lyre (ancient),” *New Grove II*, vol. 15 (2001) 421 – 424.
- 57 “Iran (ancient),” *New Grove II*, vol. 12 (2001) 521 – 530. This article has also been translated into Persian and published in *Mahoor Music Quarterly* 28 (2005) 39-57. (18 pages!)
- 56 “Music,” pp. 450 – 454 in *The Oxford Encyclopedia of Ancient Egypt*, ed. D.B. Redford. New York: Oxford University Press, 2001.
- 55 “A ‘Cycladic’ Harpist in The Metropolitan Museum of Art,” *Source* 19 (2000) 2 – 9.
- 54 “Incongruous Musical Instruments on a Beaker of Alleged Assyrian Manufacture,” *Source* 19 (2000) 38 – 42.
- 53 “Strings,” pp. 65 – 85 in *Music in the Age of Confucius*, ed. Jenny F. So. Washington: Freer Gallery of Art and Arthur M. Sackler Gallery, Seattle/London: University of Washington Press, 2000.
- 52 “Music in the Buddhist and Pre-Buddhist Worlds,” pp. 585 – 593 in *History of Civilizations of Central Asia 4:2. The Age of Achievement: A.D. 750 to the End of the Fifteenth Century; The Achievements*, eds. C.E. Bosworth and M.S. Asimov. Paris: UNESCO, 2000.
- 51 “Extant Silver Pipes from Ur, 2450 BC,” pp. 121 – 132 in *Studien zur Musik Archäologie II: Musikarchäologie früher Metallzeiten der Welt*. Eds. E. Hickmann, I. Laufs, and R. Eichmann. Deutsches Archäologisches Institut; Orient-Abteilung; Orient-Archäologie 7. Rahden: Leidorf, 2000.
- 50 “The Beginning and End of Angular Harps,” pp. 53 – 64 in *Studien zur Musik Archäologie I: Saiteninstrumente im archäologischen Kontext*, Eds. E. Hickmann and R. Eichmann. Deutsches Archäologisches Institut; Orient-Abteilung; Orient-Archäologie 6. Rahden, Leidorf, 2000.

- 49 “Distinctions among Canaanite, Philistine, and Israelite Lyres, and their Global Lyrical Contexts,” *Bulletin of the American Schools of Oriental Research* 309 (1998) 41 – 68.
- 48 “To Tune a String: Dichotomies and Diffusions between the Near and Far East,” pp. 175 – 192 in *Ultra Terminum Vagari. Scritti in onore di Carl Nylander*, eds. B. Magnusson, S. Renzetti, P. Vian, and S.J. Voicu. Rome: Edizioni Quasar, 1997.
- 47 “Harmonics of S-motion on Bowed Strings,” pp. 177 – 182 in *Research Papers in Violin Acoustics 1975 – 1993*, ed. C.M. Hutchins (Woodbury: Acoustical Society of America & American Institute of Physics, 1996). Reprint from *Journal of the Acoustical Society of America* 73 (1983) 2174 – 2179 (no. 27 below).
- 46 “The Spread of Harps Between the Near and Far East During the First Millennium A.D.: Evidence of Buddhist Musical Cultures on the Silk Road,” *Silk Road Art and Archaeology* 4 (1996) 233 – 275.
- 45 “Mesopotamien [archaeological],” pp. 143 – 171 in vol. 6 of *Die Musik in Geschichte und Gegenwart* (= *MGG²*), ed. L. Finscher. Kassel: Bärenreiter-Verlag & Stuttgart: Metzler Verlag, 1997.
- 44 “Leier,” *MGG²*, vol. 5 (1996) 1011 – 1038.
- 43 “Harfe,” *MGG²*, vol. 4 (1996) 39 – 62.
- 42 “Buddhismus,” *MGG²*, vol. 2 (1995) 223 – 235.
- 41 “Buddha as a Musician,” *Artibus Asiae* LIV (1994) 226 – 240.
- 40 “Counting Strings on Ancient Egyptian Chordophones,” pp. 519-533 in *La pluridisciplinarité en archeologie musicale*, ed. C. Homo-Lechner and A. Bélis. Paris: Editions de la Maison des Sciences de l’Homme, 1994.
- 39 “Lyres in the West (Italy, Greece) and the East (Egypt, the Near East), ca. 2000 – 400 B.C.,” *Opuscula Romana* XIX: 6 (1993) 55 – 76.
- 38 “The Ancient Harp of Pazyryk – a Bowed Instrument?” pp. 101-116 in *Foundations of Empire, Archaeology and Art of the Eurasian Steppes*, ed. G. Seaman. Los Angeles: University of Southern California Press, 1992.
- 37 “The Ancient Harp from Pazyryk,” *Beiträge zur allgemeinen und vergleichenden Archäologie* 9/10 (1990) 111 – 118.
- 36 “The Role of Vertical disparity in the Scaling of Stereoscopic Depth Perception: An Empirical and Theoretical Study,” B. Gillam, D. Chambers, and B. Lawergren, *Perception & Psychophysics* 44 (1988) 473 – 484.
- 35 “Ancient Mesopotamian Terminology of Harps and Sound Holes,” O.R. Gurney and Bo Lawergren, pp. 175-187 in *The Archaeology of Early Music Cultures*, eds. E. Hickmann and D.W. Hughes, 175 – 187. Bonn: Verlag für systematische Musikwissenschaft GmbH, 1988.
- 34 “Il piacere dell'orecchio,” *Archeo* 41 (July 1988).
- 33 “The Origins of Musical Instruments and Sounds,” *Anthropos* 83 (1988) 31 – 45.

- 32 “Sound Holes and Geometrical Figures, Clues to the Terminology of Ancient Mesopotamian Harps,” Bo Lawergren and O.R. Gurney. *Iraq* 49 (1987) 37 – 52.
- 31 “The Harp of the Ancient Altai People,” pp. 163-177 in *Proceedings of the Second Conference of the ICTM-Study Group on Music Archaeology, Stockholm (1984)* I, ed. C. Stomberg-Lund. Stockholm: Royal Swedish Academy of Music, 1986.
- 30 “A lyre common to Etruria, Greece, and Anatolia: The Cylinder Kithara,” *Acta Musicologica* 57 (1985) 25 – 33.
- 29 “The Cylinder Kithara in Etruria, Greece, and Anatolia,” *Imago Musicae* 1 (1984) 147 – 174.
- 28 “The Induced Effect, Vertical Disparity, and Stereoscopic Theory,” B.J. Gillam, and B. Lawergren. *Perception & Psychophysics* 34 (1983) 121 – 130.
- 27 “Harmonics of S-motion on Bowed Strings,” *Journal of the Acoustical Society of America* 73 (1983) 2174 – 2179.
- 26 “Acoustics of Musical Bows,” *Acustica* 51 (1982) 63 – 65.
- 25 “Acoustics and Evolution of Arched Harps,” *The Galpin Society Journal* 34 (1981) 110 – 129.
- 24 “Reconstruction of a Shoulder Harp in the British Museum,” *Journal of Egyptian Archaeology* 66 (1980) 165 – 168.
- 23 “On the motion of the bowed violin string,” *Acustica* 44 (1980) 194 – 206.
- 22 “A new and a rediscovered type of motion of the bowed violin string, or, how bowing position effects the shape and the sound of the string,” *The Catgut Acoustical Society Newsletter* 30 (1978) 8 – 13.
- 21 “Regional intestinal absorptive capacities for triolein: an alternative to markers,” Susanne Bennett Clark, Bo Lawergren and Jill V. Martin. *American Journal of Physiology* 225 (1973) 574 – 585.
- 20 “Gamma-ray spectra and cross sections for the capture of 14 MeV neutrons,” Michael Stamatelatos, Bo Lawergren and Leon J. Lidofsky. *Nuclear Science and Engineering* 51 (1973) 113 – 118.
- 19 “Deformation trends among nuclei with $24 < A < 30$: the $({}^3\text{He},p)$ and $({}^3\text{He},p\gamma)$ reactions on ${}^{24}\text{Mg}$, ${}^{26}\text{Mg}$, and ${}^{28}\text{Si}$,” B. Lawergren and J. Beyea. *Physical Review* 6C (1972) 2082 – 2090.
- 18 “E2-M1 mixing in the γ decay of the 1.37 MeV state in ${}^{28}\text{Al}$,” *Physical Review* 6C (1972) 1691 – 1693.
- 16 “K=1/2 and K=5/2 components in the ground state of ${}^{27}\text{Al}$,” B.T. Lawergren, G.C. Neilson and J.L. Honsaker. *Physics Letters* 30B (1969) 470 – 472.
- 17 “Nuclear structure effects in the γ decay of isobaric analog states in Mg^{24} , Al^{27} , and Si^{28} ,” B. Lawergren, I.J. Taylor, and M. Nessim. *Physical Review* 1C (1970) 994 – 999.
- 15 “The effect of the isospin selection rule on dipole transitions in ${}^{24}\text{Mg}$ and ${}^{28}\text{Si}$,” *Nuclear Physics* A111 (1968) 652 – 656.

- 14 “States with T=1 in ^{20}Ne , ^{24}Mg and ^{28}Si ,” B.T. Lawergren, A.T.G. Ferguson and G.C. Morrison. *Nuclear Physics* A108 (1968) 325 – 336.
- 13 “Excitation of isobaric analogue states in the $^{27}\text{Al}(\text{d},\text{n})^{28}\text{Si}$ reaction,” B. Lawergren, G.C. Morrison and A.T.G. Ferguson. *Nuclear Physics* 106 (1968) 455 – 463.
- 12 “A high resolution measurement of the $^{14}\text{C}(\text{d},\text{n})^{15}\text{N}$ reaction,” B. Lawergren and I.V. Mitchell. *Nuclear Physics* A98 (1967) 481 – 488.
- 11 “The $2s_{1/2}$ component in the ground states of some nuclei in the $16 < A < 36$ region,” *Physics Letters* 24B (1967) 395 – 396.
- 10 “The spin of the 974 keV level in ^{28}Al ,” *Nuclear Physics* A96 (1967) 49 – 51.
- 9 “The $^{26}\text{Mg}(\text{d},\text{n})^{27}\text{Al}$ reaction,” *Nuclear Physics* A90 (1967) 311 – 320.
- 8 “An isobaric analogue state in Al^{27} and the role of configurational excitation,” *Physics Letters* 13 (1964) 61 – 63.
- 7 “The low-lying levels of Al^{27} (II), the 3 MeV doublet levels,” *Nuclear Physics* 53 (1964) 417 – 428.
- 6 “The low-lying levels of Al^{27} (I),” T.R. Ophel and B.T. Lawergren. *Nuclear Physics* 52 (1964) 417 – 436.
- 5 “The decay of Mg^{27} ,” T.R. Ophel and B.T. Lawergren. *Physics Letters* 6 (1963) 230 – 231.
- 4 “The 2.21 MeV level of Al^{27} ,” B.T. Lawergren and T.R. Ophel. *Physics Letters* 2 (1962) 265.
- 3 “The 661 keV resonance of the $\text{Mg}^{26}(\text{p},\text{)}^{\text{}}\text{}$ reaction,” T.R. Ophel and B.T. Lawergren. *Physics Letters* 2 (1962) 167 – 168.
- 2 “The de-excitation of the 3 MeV doublet in ^{27}Al ,” B.T. Lawergren and T.R. Ophel. *Proceedings of the Physical Society* 79 (1962) 881 – 882.
- 1 “The 721, 809 and 954 keV resonances of the $^{26}\text{Mg}(\text{p},\text{)}^{\text{}}\text{}$ reaction,” T.R. Ophel and B.T. Lawergren. *Nuclear Physics* 30 (1962) 215 – 226.

Book reviews

- 4 *A Million Years of Music – The Emergence of Human Modernity*, by Gary Tomlinson. New York: Zone Books (2015). Notes – The Quarterly Journal of the Music Library Association, Vol. 73:1, September 2016, 131-
- 3 *Two Lyres from Ur*, by Maude de Schauensee. Philadelphia: University of Pennsylvania Museum of Archaeology and Anthropology, 2002. *Bulletin of the American Schools of Oriental Research* 340 (2005) 81–82.
- 2 *Music in Ancient Israel/Palestine: Archaeological, Written, and Comparative Sources*, by Joachim Braun. Translated by Douglas W. Stott, from German. Grand Rapids: William B. Eerdmans Publishing Company, 2002. *Bulletin of the American Schools of Oriental Research* 332 (2003) 100 – 102.

- 1 *The British Museum Yearbook 4: Music and Civilisation*, ed. T.C. Mitchell. London: The British Museum, 1980. *The Galpin Society Journal* xxxv (1982) 164 – 169.

Record review

The Sounds of Prehistoric Scandinavia. Drevneishii muzikal'nii kompleks iz kostei mamonta. Musique de la Grèce antique. Ethnomusicology 29 (1985) 360–363.