

Recommended Resources for Audio Preservation

Compiled by the ARSC Technical Committee

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GENERAL AUDIO PRESERVATION

ARSC Guide to Audio Preservation -- <https://www.clir.org/pubs/reports/pub164/>

IASA-TC 03. The Safeguarding of the Audio Heritage: Ethics, Principles and Preservation Strategy, Version 4 -- https://www.iasa-web.org/sites/default/files/downloads/publications/TC03_English.pdf

IASA-TC 05 Handling and Storage of Audio and Video Carriers, First edition -- <https://www.iasa-web.org/tc05/handling-storage-audio-video-carriers>

IASA Special Publication No. 6: Ethical Principles for Sound and Audiovisual Archives, Revised -- <https://www.iasa-web.org/ethical-principles>

IASA Task Force to establish Selection Criteria of Analogue and Digital Audio Contents for Transfer to Data Formats for Preservation Purposes -- <http://www.iasa-web.org/downloads/publications/taskforce.pdf>

CLIR / Library of Congress National Recording Preservation Plan -- <https://www.loc.gov/static/programs/national-recording-preservation-plan/publications-and-reports/documents/NRPPLANCLIRpdfpub156.pdf>

NARAS Delivery Recommendations For Recorded Music Projects -- https://www.grammy.com/sites/com/files/delivery_recommendations_for_recorded_music_projects_final_09_27_18_0.pdf

IPI Media Storage Quick Reference Guide -- <https://s3.cad.rit.edu/ipi-assets/publications/msqr.pdf>

DIGITIZATION

IASA-TC 04. Guidelines on the Production and Preservation of Digital Audio Objects, Second edition
-- <https://www.iasa-web.org/tc04/audio-preservation>

Sound Directions: Best Practices for Audio Preservation --
<http://www.dlib.indiana.edu/projects/sounddirections/papersPresent/index.shtml>

Guide to Developing a Request for Proposal for the Digitization of Audio --
<https://www.wearavp.com/guide-to-developing-a-request-for-proposal-for-the-digitization-of-audio/>

IRENE (a laser-scanning system for disc records which images with microphotography in two or three dimensions) -- <http://irene.lbl.gov/>

IASA Quality Control for Media Digitization Projects -- <http://journal.iasa-web.org/pubs/article/view/92>

GROOVE-BASED CARRIERS

Capturing Analog Sound for Digital Preservation: Report of a Roundtable Discussion of Best Practices for Transferring Analog Discs and Tapes --
<http://www.clir.org/pubs/reports/pub137/pub137.pdf>

Disc Playback Speed History, UCSB -- <https://adp.library.ucsb.edu/index.php/resources/detail/58>

Speed And Pitch Correction, Pre-1925 -- https://charm.rhul.ac.uk/history/p20_4_3.html

History of Cylinders -- <http://cylinders.library.ucsb.edu/history.php>

MAGNETIC CARRIERS

Tape Degradation Factors and Challenges in Predicting Tape Life --
http://www.richardhess.com/tape/history/HESS_Tape_Degradation_ARSC_Journal_39-2.pdf

For tape-specific updates to this paper: <https://richardhess.com/notes/formats/magnetic-media/magnetic-tapes/analog-audio/degrading-tapes/>

TAPE Audio tape digitisation workflow -- <https://www.musiikkiarkisto.fi/audio/>

“Chemistry for Audio Heritage Preservation: A Review of Analytical Techniques for Audio Magnetic Tapes” -- <https://www.mdpi.com/2571-9408/2/2/97>

Audio Tape Restoration Tips and Notes -- www.richardhess.com/notes/

History of Magnetic Recording and links to various technical papers and histories --
<http://www.aes.org/aeshc/#MagRec>

DIGITAL MEDIA

Sustainability of Digital Formats: Planning for Library of Congress Collections --
<http://www.digitalpreservation.gov/formats/>

AES History of Digital Audio links -- <http://www.aes.org/aeshc/#Digital>

Audio codec specs and comparisons -- https://developer.mozilla.org/en-US/docs/Web/Media/Formats/Audio_codecs

AES17-2015: AES standard method for digital audio engineering - Measurement of digital audio equipment -- <http://www.aes.org/publications/standards/search.cfm?docID=21>

Vintage Digital Recorders -- <https://www.vintagedigital.com.au/audio-recorders/>

OBSOLETE MEDIA

Obsolete Media -- <https://obsoletemedia.org/audio/>

Sawyer rols format (obscure 1960s German dictation format on mag film) --
<https://sos.oregon.gov/archives/records/tour/Documents/iasa-journal-44-8-schulz.pdf>

Media search -- <https://mediapedia.nla.gov.au>

EBU paper on vintage audio sync tones for film -- <https://tech.ebu.ch/docs/tech/tech3095.pdf>

Minidiscs - <https://www.minidisc.org/>

Wires - <https://museumofmagneticsoundrecording.org/Wire.html>
<https://psap.library.illinois.edu/collection-id-guide/wire>

METADATA

AES57-2011(r.2017) standard -- <http://www.aes.org/publications/standards/search.cfm?docID=84>

AES60id-2020 standard -- <https://www.aes.org/publications/standards/search.cfm?docID=85>

BWF MetaEdit -- <https://mediaarea.net/BWFMetaEdit>

ARSC TECHNICAL COMMITTEE: A Study of Embedded Metadata Support in Audio Recording Software: Summary of Findings and Conclusions -- http://www.arsc-audio.org/pdf/ARSC_TC_MD_Study.pdf