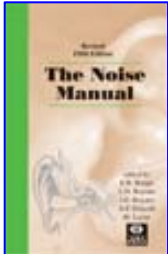


HEARING CONSERVATION RESOURCES

The following list of resources has been compiled by Laurie Wells of Associates in Acoustics and Elliott Berger of 3M Occupational Health & Environmental Safety Division, as a starting place to obtain information about hearing conservation. Many publications, samples, etc. are available free of charge. All of the web page addresses have links to other related sites. This is not intended to be an exhaustive or exclusive list.
LWells@AssociatesInAcoustics.com Elliott.Berger@mmm.com

PUBLICATIONS

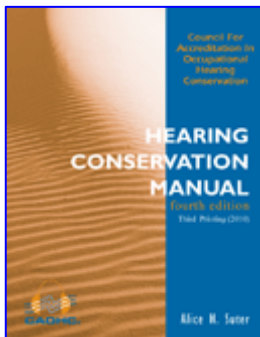


The Noise Manual, 5th edition, 2000, edited by E.H. Berger, L.H. Royster, J.D. Royster, and D.P. Driscoll and published by the American Industrial Hygiene Association, Akron, OH. Historically AIHA's best seller, the 5th edition of this textbook is generally considered to be the most comprehensive and current resource available on noise and hearing conservation. The book includes chapters written by 17 experts in the field, reprints of related guidelines and regulations, a 200+ item appendix on references for good practice, and a new and extensive table of symbols and abbreviations Stock No. ENOM03-619.

<http://www.e-a-r.com/hearingconservation/noisemanual.htm>

EARLogs. This series of research papers written by Elliott Berger, MS, INCE, is specific to hearing conservation and hearing protection devices issues.

http://www.e-a-r.com/hearingconservation/earlog_main.cfm

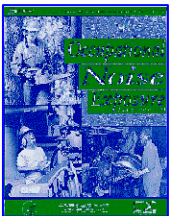


Hearing Conservation Manual, 2002, 4th edition, second printing, written by Alice H. Suter, edited by Elliott Berger, published by Council for Accreditation in Occupational Hearing Conservation. This is the CAOHC course training manual for Occupational Hearing Conservationists. Available from CAOHC.

<http://www.caohc.org/publications/manual.php>

Medical Legal Evaluation of Hearing Loss, 2nd Edition, by Robert A. Dobie, published by San Diego: Singular Thomson Learning (2001). This book is intended primarily for otologists and otolaryngologists performing medical-legal assessments for noise induced hearing loss. Orders: (800)-278-3525

Noise & Hearing Conservation References For Good Practice, This publication was a joint effort of NHCA and the AIHA Noise Committee, and includes references to related standards, regulations, and recommended references pertaining to Noise, Vibration, and Noise-Induced Hearing Loss. Available from NHCA www.hearingconservation.org



Occupational Noise Exposure Revised Criteria 1998, NIOSH publication explaining the recommendations for best practices in hearing conservation programs. Available FREE from NIOSH (Publication No. 98-126). <http://www.cdc.gov/niosh/docs/98-126/>.

Preventing Occupational Hearing Loss - A Practical Guide, 1996, edited by John R. Franks, Mark Stephenson, and Carol Merry, published by the U.S. Department of Health and Human Services. (Publication No. 96-110). This guidebook is particularly useful because of its checklists, aimed at evaluating an existing HCP. This publication, and others, are available FREE by contacting NIOSH <http://www.cdc.gov/niosh/docs/96-110/>.

INTERNET EDUCATIONAL RESOURCES

E-A-R® HEARING CONSERVATION

The Latest:

E•A•R Hearing Conservation Web site: Training video on Fitting Foam Earplugs, EARLogs, Noise Navigator® Database, articles, power point slides, posters, audio demonstration CD (including tinnitus demonstration), video clips, noise regulations, current events and more: www.e-a-r.com/hearingconservation



AMERICAN ACADEMY OF AUDIOLOGY

How's your hearing? Ask an Audiologist!

American Academy of Audiology web site has **Consumer Guides** including a fact sheet on noise induced hearing loss. <http://www.audiology.org/resources/consumer/Pages/default.aspx>

American Academy of Audiology **Position Statement on Preventing Noise-Induced Occupational Hearing Loss** <http://www.audiology.org/resources/documentlibrary/Documents/niohlprevention.pdf>

Audiogram of Familiar Sounds can be ordered from:

https://webportal.audiology.org/Purchase/ProductDetail.aspx?Product_code=a09b06c1-b6bb-4138-a8f7-6bd9b75fcbbe

A tutorial called **Understanding your Audiogram** is found at: <http://www.pacificaudiology.com/audiogram.htm>

CAOHC Professional Supervisor Course:

<http://www.caohc.org/professional.html>

CAOHC Occupational Hearing Conservationist certification courses

<http://www.caohc.org/ohc/>

CAOHC Update articles referenced in this presentation:

Thoughts on the Noise "Notch" and the Importance of Testing 8 kHz

<http://www.caohc.org/updatearticles/fall04.pdf>

Insert earphones

<http://www.caohc.org/updatearticles/summer02.pdf>

Comparison of U.S. Hearing Conservation Regulations and Recommendations

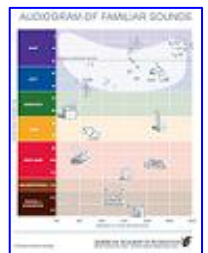
<http://www.caohc.org/updatearticles/summer00.pdf>

Noise reducing headphones

<http://www.caohc.org/updatearticles/summer02.pdf>

Separate ear baseline revision

<http://www.caohc.org/updatearticles/spring05.pdf>



National Hearing Conservation Association

<http://www.hearingconservation.org/>

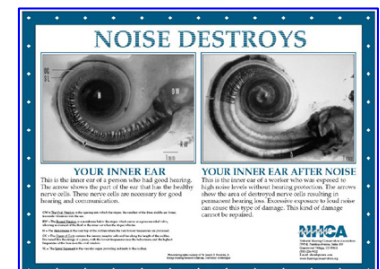
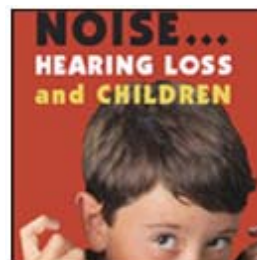
Resources for kids (also for adults!)

<http://nhca.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=13>

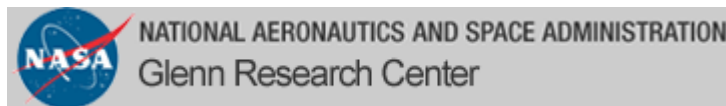
Practical Guides: brochures on variety of topics including firearms, farming, music, hearing protection fitting, mobile van services, children and noise, etc.

<http://nhca.affiniscape.com/storeindex.cfm?findprimarycategory=2229>

Favorite Sounds: <http://nhca.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=18>



Noise Destroys Poster <http://nhca.affiniscape.com/storelistitem.cfm?itemnumber=1>
Educator Resources: <http://nhca.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=11>



Acoustic Demonstration CDs and other training tools from NASA, Glenn Research Center

<http://adl.grc.nasa.gov/>

JeopEARdy Game:

<http://adl.grc.nasa.gov/327/jeopardy/>

Activity Sheets:

[http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Noise And Your Ears.pdf](http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Noise%20And%20Your%20Ears.pdf)

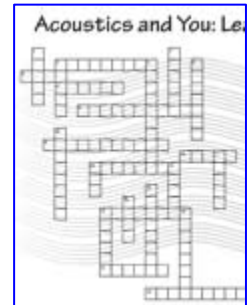
[http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics and You.pdf](http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics%20and%20You.pdf)

[http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics and You.pdf](http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics%20and%20You.pdf)

[http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics and You.pdf](http://adl.grc.nasa.gov/wp-content/uploads/2009/10/Acoustics%20and%20You.pdf)

TWA Calculator:

<http://adl.grc.nasa.gov/340/twa-calculator/>



Center for Hearing and Conservation: Noise Levels in Our Environment:

<http://www.chcheating.org/noise-center>

Lend an Ear to Hearing Protection: Iowa State University:

<http://www.nasdonline.org/document/1270/d001068/lend-an-ear-to-hearing-protection.html>

National Institute for Deafness and Communicative Disorders: NIDCD: **Ten Ways to Recognize Hearing Loss:**

<http://www.nidcd.nih.gov/health/hearing/10ways.asp>

Noise Control Reference Handbook has acoustical definitions and data:

<http://www.industrialacoustics.com/usa/reference/index.asp>



OSHA Letters of Interpretation

Baseline Revision OSHA Letters of Interpretation

http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=INTERPRETATIONS&p_id=24565

OSHA Safety and Health Information Bulletins

Innovative Workplace Safety Accommodations for Hearing Impaired Workers

<http://www.osha.gov/dts/shib/shib072205.html>

Hearing Conservation for the Hearing Impaired Worker

<http://www.osha.gov/dts/shib/shib122705.html>

OSHA e-tools

Noise and Hearing Conservation

<http://www.osha.gov/dts/osta/otm/noise/index.html>

PPE Selection: Hearing Protection with special reference to Shipbuilding

http://www.osha.gov/SLTC/etools/shipyard/ship_breaking/ppe/general_ppe/hearing_protection.html



NIOSH Home page for Hearing Loss and Noise Prevention: current research, training tools, FAQs, HPD Compendium, and more. <http://www.cdc.gov/niosh/topics/noise/hpcomp.html>

NIOSH Hearing Protection Quick Fit: Tool for assessing hearing protection fit with tone generated on-line.

<http://www.cdc.gov/niosh/mining/topics/hearingloss/quickfitweb.htm>

Right to Quiet Society is an organization that promotes protecting a quiet environment:
<http://www.quiet.org>



NPC Noise Pollution Clearinghouse

The Noise Pollution Clearinghouse is a national non-profit organization with extensive online noise related resources:
<http://www.nonoise.org>



The Hearing Video ordering information:

http://www.worksafebc.com/Publications/how_to_order_publications_and_videos/default.asp

Other WCB educational products: pamphlets, posters, hearing loss simulations

http://www2.worksafebc.com/Topics/HearingLossPrevention/Resources.asp?_from=hearingconservation.healthandsafetycentre.org

Dangerous Decibels: interactive web site and research tool <http://www.dangerousdecibels.org/>



Wise Ears Campaign:

<http://www.nidcd.nih.gov/health/wise/index.asp>



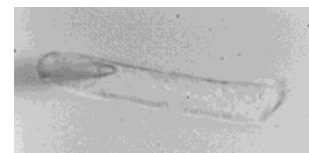
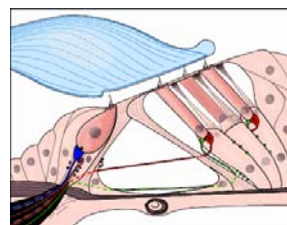
Brandon Pletsch Video: 7 minute video: step-by-step voyage through the inside of the ear. Contact the creator at brandon@radiusmedicalanimation.com to request a copy.

Cochlea animation

<http://www.cochlea.org/>

Hair Cell "Rock Around the Clock"

<http://www.wadalab.mech.tohoku.ac.jp/OHC-e.html>



Cochlear Traveling Wave Animation

<http://www.hhmi.org/biointeractive/neuroscience/animations.html>



On-line Hearing Loss Simulation:

<http://facstaff.uww.edu/bradleys/radio/hlsimulation/>

NAPO: Dutch animations for all types of safety training

<http://osha.europa.eu/fop/netherlands/en/info/napo>

NAPO Films

http://www.napofilm.net/en?sourceid=banner&utm_source=home&utm_medium=banner&utm_campaign=campaign



European Union Stop That Noise 2005 Campaign

<http://osha.europa.eu/en/campaigns/ew2005/FrontPage>

U.S. Army Hearing Conservation Education:

<http://phc.amedd.army.mil/topics/workplacehealth/hrc/Pages/Training.aspx>



Singing Rainbow, Inc.: **Crystal singing bowl** used for acoustic demonstrations. <http://www.singingrainbow.com>