

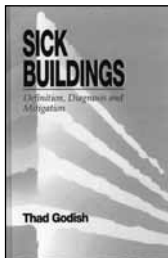
## Sick Buildings: Definition, Diagnosis, and Mitigation

Thad Godish

Publication #9522 \$179.95

A comprehensive examination of the phenomenon of poor indoor air quality (IAQ), this book places significant emphasis on defining the nature of the problem, the various potential causal and risk factors, problem building diagnostic protocols and contaminant measurements, and the mitigation of IAQ problems. It also features a discussion on the potential causal factors studied extensively in Europe, and recognized in North America as well.

ISBN: 978-0- 87371-346-7. © 1995. 414 pages.



## Ventilation for Environmental Tobacco Smoke

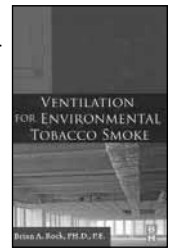
Brian A. Rock

Publication #06-024 \$72.95

Written to educate companies about obstructed ventilation systems due to tobacco smoke within their facilities, this book addresses the odor and irritant properties associated with environmental tobacco smoke (ETS) and is a guide for the design of efficient ventilation systems and units for optimum air quality. The author draws on the general methods – source control, separation, local exhaust, dilution, and air cleaning – for contaminant control and applies them directly to ETS. ETS ventilation principles are applied to a wide variety of areas including offices, restaurants, bars, casinos, smoking lounges, prisons, hotels, apartments, and dormitories.

Ventilation rates, types of ventilation systems and configurations, and control methods for interfaces between smoking and non-smoking spaces are also covered.

ISBN: 978-0-12-370886-1. © 2006. 216 pages.



## PHYSICAL AGENTS

 **ACGIH® Signature Publications®**

### Assessing EMF in the Workplace: A Guide for Industrial Hygienists

Robert M. Patterson, T. Dan Bracken and Jack Sahl

Publication #9853 \$37.50

Industrial hygienists, health physicists, and other professionals will find this new guidebook a source of practical information for planning and monitoring EMF in the workplace. Based on the traditional investigation stages (anticipation, recognition, evaluation, and control), this book provides information on field characteristics, biological and health effects, workplace sources and exposures, instrumentation, monitoring guidance, developing a monitoring program, and field management. The guide also offers examples of EMF exposure assessment studies, references, and a glossary.

ISBN: 978-1-882417-28-5. © 1998. 88 pages.

\*ACGIH® Members receive 10% off all ACGIH® Signature Publications.



 **ACGIH® Signature Publications®**

### A Guide for Control of Laser Hazards, 4th Edition

Publication #0165 \$37

Health hazards common to all types of lasers are identified in this guide. Major topics include: Exposure Criteria for Laser Radiation; General Laser Hazard Evaluation; Medical Surveillance; Hazard Controls for Laser Radiation; Recognition of Associated Hazards; and Laser Protective Eyewear. The volume also presents the Threshold Limit Values for lasers and their documentation. A glossary of pertinent terms, and a list of references complete the guide.

ISBN: 978-0-936712-89-5. © 1990. 76 pages.

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## Heat Stress Posters, Slides, and PowerPoint Presentation

Publication #0400 (Posters) 1-9 \$16 10-19 \$14.40 20+ \$12.80  
 Publication #0410 (Slides) \$19.95  
 Publication #0420 (PowerPoint Presentation) \$27.50

Recognizing, preventing, and treating heat stress and heat-related illness is the goal of these illustrated, educational tools. The two 18" x 26" full-color posters may be placed at strategic areas within the workplace so that all employees have the opportunity to learn about heat illnesses ranging from heat rash and heat cramps to heat exhaustion and heat stroke. The slide sets (17 full-color slides) and the PowerPoint presentation are ideal for training sessions. ISBN: 978-1-882417-51-3.

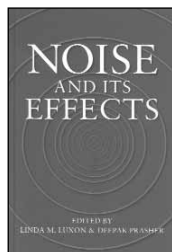
\*ACGIH® Members receive 10% off all ACGIH® Signature Publications.

## Noise and Its Effects

Linda M. Luxon and Deepak Prasher, Editors

Publication #07-013 \$180

*Noise and Its Effects* gives an overview for the novice in the field, while providing a broad background across a range of disciplines for individual experts to use as a reference on the medical, scientific, legal, and social aspects of noise. Contributions from international experts — Australia, Europe, and North America — provide a wider approach relevant to both the developed and developing world.



At a time of huge advances in the understanding of auditory physiology, neurotransmitters, pathology and pharmacology, this book answers many questions and encompasses all aspects of the effects of noise.

ISBN: 978-1-861-56409-2. © 2007. 800 pages.

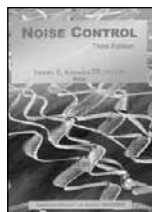
*"Probably the most comprehensive examination of noise and its effect on hearing I have ever read."* — Keith C. Potter, CIH, CSP, CHMM

## Noise Control, Third Edition

Emory E. Knowles III, Editor

Publication #04-008 \$19

The Third Edition of *Noise Control* continues to address sources of noise in the work environment and the measures workers and employers can implement to reduce and eliminate noise. A new chapter on required OSHA Standards has been added, and two chapters on noise measurements and solving noise problems have been revised and updated. Contents include:



- The effects of noise on human health
- Specific principles, key words, and concepts of noise control
- Techniques for controlling noise
- Legal requirements for noise control

ISBN: 978-1-885581-44-0. © 2003. 200 pages.

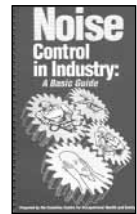
*"This text provides an excellent, low-cost training and reference tool for workers and employers."* — Joe L. Field, CIH

## Noise Control in Industry: A Basic Guide

Canadian Centre for Occupational Health & Safety

Publication #01-029 \$12

If you're a worker, supervisor, employer, health and safety committee member, or industrial hygienist, this practical pocket guide will help you recognize noise problems, take steps to control occupational noise exposure, and develop a hearing conservation program.



You'll find practical guidelines to:

- Measure workplace and personal noise exposure levels
- Assess risk of hearing loss
- Determine the need for a hearing conservation program
- Identify practical methods of controlling noise exposure

Health and safety professionals will find the guide useful as a handout during training sessions and employee orientation.

ISBN: 978-0-660-18151-6. © 2000. 131 pages.

*"This publication is moderately priced and suitable for distribution widely to workers who might experience noise exposure. It includes noise exposure criteria for both Canadian and U.S. audiences."*

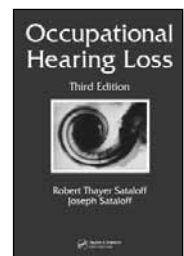
— David E. Clapp, PhD, CIH

## Occupational Hearing Loss, Third Edition

Robert Thayer Sataloff and Joseph Sataloff

Publication #06-016 \$162.95

Extensively re-written and updated, this latest edition provides an overview of the hazards of occupational noise exposure, causes of hearing loss, testing of hearing, and criteria to distinguish occupational hearing loss from other cases of hearing loss. Additional information of interest to industrial hygienists includes hearing protection devices, noise measurement, noise control, noise criteria regarding risk and prevention of hearing injury, as well as detailed discussions of hearing loss in various worker groups, and hearing conservation programs. Topics new to the third edition include:



- Chapters on auditory evoked potentials, sudden sensorineural hearing loss, ear malignancies
- Expanded information on autoimmune inner ear disease and diagnosing occupational hearing loss
- Up-to-date information on computerized audiometry, special hearing tests, and auditory processing disorders
- Problems associated with balance disorders and a review of modern evaluation techniques
- Systematic causes of hearing loss and co-factors associated with occupational hearing loss

ISBN: 978-0-8247-5383-2. © 2006. 1,008 pages.

## Radiation Protection: A Guide for Scientists and Physicians, 4th Edition

J. Shapiro

Publication #9194 \$89

This book begins with the major concepts in radiation protection and develops them in the context of the working materials of the radiation user. The ways in which radiation levels are evaluated and controlled are introduced through discussions of actual radiation sources. Radiation units, standards, and the significance of various radiation levels are reviewed. Simple calculations in radiation protection are offered along with supplementary material for users of x-ray machines. Several chapters are devoted to radiation dose calculations, radiation measurements, and practical aspects of radiation protection for users of radionuclides. The final section of the book focuses on studies of the effects of radiation exposure on human populations.



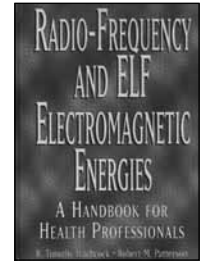
ISBN: 978-0-674-00740-6. © 2002. 576 pages.

## Radio-Frequency and ELF Electromagnetic Energies: A Handbook for Health Professionals

R. Timothy Hitchcock and Robert M. Patterson

Publication #9525 \$220

This handbook is a guide to understanding, evaluating, and controlling the human health effects of radio-frequency (RF) and extremely low frequency (ELF) electromagnetic fields. It discusses radiation safety from the basic physics, to setting up a safety program, and explains how electromagnetic fields interact with matter, the reported biological impact, and significant sources of RF and ELF fields. This book discusses exposure limits, monitoring instrumentation, measurements required by human exposure standards, induced and contact currents, and biological effects.



ISBN: 978-0-471-28454-3. © 1995. 551 pages.

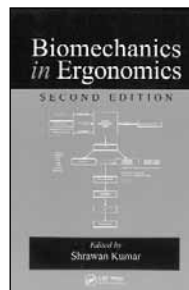


## Biomechanics in Ergonomics, Second Edition

Shrawan Kumar, Editor

Publication #08-014 \$109.95

This book provides a thorough discussion of biomechanics as it relates to the discipline of ergonomics. Because each of the spheres of the body (musculoskeletal, ligaments, tendons, tissue, upper and lower extremities) work together in performing work-related activities, the book applies biomechanics to the entire human system to best achieve comfort, health, and safety of workers. Topics covered include:



- Description of biomechanical risk factors and provides exposure assessment tools and techniques
- Examination of anatomy function and biomechanical models for the shoulders
- Scientific bases and mechanisms of how risk factors precipitate injuries
- Consideration of posture, postural loads, posture correction, and their impact on body regions, working environments, and activities
- Ergonomics and biomechanics of prolonged sitting, climbing ladders, and slips, trips, and falls

ISBN: 978-0-8493-7908-6. © 2008. 744 pages.

## Designing for Older Adults: Principles and Creative Human Factors Approaches, Second Edition

Wendy A Rogers, Arthur D Fisk, Neil Charness, Sara J Czaja, Joseph Sharit

Publication #05-014 \$71.95

The authors have revised and updated each of the original chapters from the First Edition of *Designing for Older Adults: Principles and Creative Human Factors Approaches*, rearranged some of them for a more natural flow, added a new section of tutorials, and provided updated recommended readings. Two new applications chapters, *Transportation and Aging-in-Place*, have been added to the Second Edition; a new *Tutorials* section that provides hands-on guidance for critical issues has been added; and the *Design Guidelines* section has been reorganized to allow for better flow of topics.



Reflecting the multidisciplinary nature of the field, this multidisciplinary author team translates a vast array of academic literature into guidelines without losing its strong grounding in science. They discuss the role the field of human factors plays in creating technology that is effective and safe to use. This book provides information specific enough to be immediately applicable yet general enough to be relevant to technologies of the future.

ISBN: 978-1-420080-55-1. © 2009. 232 pages.