

RESUME

CHARLES P. LICHTENWALNER

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Education

B.A. 1969 Physics
University of Pennsylvania
Philadelphia, PA

Professional Experience

6/75 - Present

Industrial Hygienist
Bell Systems Services Group
Bell Telephone Laboratories
Murray Hill, New Jersey

- My primary responsibility is to assist in identifying and evaluating occupational or environmental conditions which pose potential health hazards for American Telephone & Telegraph Company employees. When hazards have been documented, appropriate methods of controlling the hazards are recommended.

12/69 - 6/75

Research Technician
Crystal Physics Department
Bell Telephone Laboratories
Murray Hill, New Jersey

- Research technician assisting in low energy nuclear physics research (Mössbauer Effect)

Professional Qualifications

Certified Industrial Hygienist (Comprehensive Practice, Certificate #1798, May 20, 1980)

Professional Training

"Microscopical Identification of Asbestos" McCrone Research Institute, April 6, 1979

"Sampling & Evaluating Airborne Asbestos Dust" National Institute of Occupational Safety & Health, Course #582 February 17, 1977

"Third Annual Short Course in Industrial Hygiene Fundamentals" University of Cincinnati, College of Medicine, Department of Environmental Health, Kettering Laboratory, October 24, 1975

PUBLICATIONS

Time Decay of Mössbauer RF Sidebands
Pfeiffer L & Lichtenwalner CP
American Institute of Physics Conference Proceedings No. 10
1973 Pg. 119

Search for Anomalous Narrowing of the Mössbauer Transition
in Gold - 197
Pfeiffer L & Raghavan RS & Lichtenwalner CP & West KW
Physical Review Letters 30: 635-38 (April 1973)

Determining the Time Dependence of Rapidly Responding Systems
using the Mössbauer Effect
Pfeiffer L & Lichtenwalner CP
Review of Scientific Instruments 44: 1500-501 (1973)

Systematic Error from Non-Linear Least Squares Computer
Fitting of Lorentzian Lines
Pfeiffer L & Lichtenwalner CP
Review of Scientific Instruments 45: 803-8 (June 1974)

Germanium-73: A New High Resolution Mössbauer Nuclide
Pfeiffer L & Raghavan RS & Lichtenwalner CP
Physical Review B 12: 4793-4804 (1975)

Enhanced Optical Fluorescence by Resonant Mössbauer Excitation
Lichtenwalner CP & Sengenheim HJ & Pfeiffer LN
~~American Industrial Hygiene Association Journal: Physics Letters~~
~~39: 828-829 (October 1978) 56 A, No. 2: 117-118 (March 1976)~~

A Simple Device for Testing Nickel-Cadmium Batteries
Lichtenwalner CP
American Industrial Hygiene Association Journal:
39: 828-829 (October 1978)

A Method for Assessing Acoustic Exposures from Earphones
Lichtenwalner CP & Koenig AH
Talk presented at American Industrial Hygiene Conference
May 1980
(Paper in preparation)

Model for the Effect of Acoustic Exposure on the Human Ear
Toll, T. J. & Lichtenwalner CP
Lichtenwalner CP
Paper presented at American Industrial Hygiene Conference, June 1980

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