



Learning and Developmental Disabilities Initiative

[of the Collaborative on Health and the Environment](#)



Biweekly Bulletin July 13, 2011

This bulletin lists upcoming events plus recent announcements, news and journal articles, calls for proposals and other items related to learning and developmental disabilities and environmental health. They are archived and searchable on LDDI's website: www.healthandenvironment.org/working_groups/learning/r/bulletins

LDDI Highlights

Webinar July 23rd: Autism and Environment: What Do We Know?

The Autism Society will present four renowned autism experts to discuss the rise in autism vis-a-vis environmental and chemical changes in the world and clinical steps used to treat autism now. For more information, please see event #3 below.

Webinar August 9th: Can Exposures to Toxic Chemicals Contribute to Intellectual and Developmental Disabilities?

Which toxics are associated with IDD's? Which ones pose the greatest threat? Is there anything that can be done to minimize the risk of exposure? Join The Arc for this webinar about how environmental toxics may contribute or exacerbate IDD's and how one chapter is putting this knowledge into action. For more information, please see event #6 below.

Announcements

A daily news feed with articles and announcements is available on CHE's website: <http://www.healthandenvironment.org/news/announce>.

[EPA proposes safeguards for hazardous waste recycling.](#)

Today's proposal will improve accountability and oversight of hazardous materials recycling, while allowing for important flexibilities that will promote its economic and environmental benefits. EPA is opening up this proposal for public comment.

[See another article about waste handling: [EPA sued over state toxic waste dump sites](#)]

[EPA seeks input from small entities on revisions for the lead and copper rule.](#)

The US Environmental Protection Agency is inviting small businesses, governments, and non-profit organizations to participate as Small Entity Representatives for a Small Business Advocacy Review Panel. The panel will focus on the agency's development of a rule that proposes revisions to the lead and copper rule.

[Job opening: Tumwater, Washington.](#)

The Washington State Department of Health, Division of Environmental Health, Office of Environmental Health, Safety, and Toxicology (OEHST), is searching for a qualified environmental health professional with a strong scientific background to manage the Site Assessments and Toxicology Section (SATS) and provide supervision and leadership to section staff.

[Job opening: Oakland, California.](#)

Worksafe, a California-based organization dedicated to eliminating workplace hazards, has an opening for a legal director to work with the Board, Executive Director and staff

to determine how best to achieve the mission, including the supervision of staff attorneys, providing advice to legal services attorneys as well as others who represent low wage and immigrant workers. Deadline to apply is July 18, 2011. Send cover letter, resume, and list of references to snoero@worksafe.org. Please include your last name in the subject line of your email and in the filenames of attachments.

Upcoming Events

Online Calendar. These and more upcoming events are listed in a searchable calendar: <http://www.healthandenvironment.org/cgi-bin/searchevents.cgi>. The calendar now lists deadlines for funding proposals and conference abstracts.

1) Environmental Health Communication: Methods, Research, and Training

Friday July 15, 2011

8:00 a.m. - 4:00 p.m.

Bethesda, Maryland

at the National Institutes of Health Natcher Center

Sponsor: National Institute of Environmental Health Sciences Partnerships for Environmental Public Health (PEPH)

Communication is a central component to PEPH. Within the PEPH program, the grantees have developed many different communication approaches and materials. The purpose of this working meeting is to provide a venue for grantees and partners from different programs within PEPH to have focused, small group discussions on diverse themes of environmental health communication. Anticipated outcomes of the meeting include: 1) increased interaction among grantees, 2) improved awareness and sharing of methods and materials, and 3) development of a white paper on the current state of environmental health communication and the gaps and opportunities. The meeting format is envisioned to be concurrent breakouts with one keynote session and a report back session. We anticipate having one or two preworkshop webinars and a postworkshop webinar to maintain participant engagement.

Price: free

[Visit the website](#)

Contact: Justin Crane, 919-794-4702

2) International Conference on Intellectual & Developmental Disabilities 2011

Monday through Wednesday, July 18 - 20, 2011

Kota Kinabalu, Sabah Malaysia

at the Recital Hall, School of Psychology & Social Work, Universiti Malaysia Sabah

Sponsor: Seri Mengasih Centre & School of Psychology and Social Work, Universiti Malaysia Sabah

We will come together to learn about the experiences of people with intellectual and developmental disabilities and their families throughout their lives. Our aim is to identify how we can achieve improvements in our communities by focusing on the right of disabled people to make decisions for themselves; the right to be included in the community; the right of families to get the support they need; the right to make a living; the right to meaningful relationships and the right to be born. The conference theme is "Growing with Hope and Dignity."

Price: see the [Registration page](#)

[Visit the website](#)

Contact: see the [Inquiries page](#)

3) Autism and Environment: What Do We Know?

Saturday July 23, 2011

12:00 - 3:00 p.m. Eastern time

Sponsor: The Autism Society

What are the whole-body symptoms of autism? How can environmental changes make existing autism better? What do chemical exposures do to the developing brain? What are state-of-the-art treatments for autism symptoms? Four renowned autism experts discuss the rise in autism vis-à-vis environmental and chemical changes in the world and clinical steps used to treat autism now. Speakers will be Martha Herbert MD, PhD; Claudia Miller, MD, MS; Suruchi Chandra, MD; and Anju Usman, MD. These generous clinicians and researchers will share their expertise on neurodevelopment and autism on a Saturday to allow working parents and families to attend from the convenience of their own home computers.

Price: free

[Visit the website](#)

Contact: Donna Ferullo, 301-657-0881 x9022 or dferullo@autism-society.org

4) 6th International Conference on the Impact of Environmental Factors on Health

Monday through Wednesday, July 25 - 27, 2011

Riga, Latvia

at the Reval Hotel Latvija

Sponsor: Wessex Institute of Technology and the Journal of Safety and Security Engineering

Health problems related to the environment have become a major source of concern all over the world. The health of the population depends upon good quality environmental factors including air, water, soil, food and many others. The aim of society is to establish measures that can eliminate or considerably reduce hazardous factors from the human environment to minimize the associated health risks. The ability to achieve these objectives is in great part dependent on the development of suitable experimental, modeling and interpretive techniques, which allow a balanced assessment of the risk involved as well as suggesting ways in which the situation can be improved. The interaction between environmental risk and health is often complex and can involve a variety of social, occupational and lifestyle factors. This emphasizes the importance of considering an interdisciplinary approach. The language of the conference will be English.

Price: unknown

[Visit the website](#)

Contact: Irene Moreno Millan, 44 (0) 238 029 3223 or imoreno@wessex.ac.uk

5) How To Bring About Large-scale Behavior Change

Three parts, all held on Saturdays: July 30, August 13 and September 10, 2011

10:00 a.m. - 2:00 p.m.

Seattle, Washington

at the Seattle Public Library main branch, Wright-Ketcham meeting room

Sponsor: Sustainable Seattle

One of the most confounding challenges facing the sustainability movement is how to bring about a massive shift in human behavior. This master class series explores a variety of powerful insights from cognitive science for developing successful social change strategies. You'll learn how meaning arises in the workings of the human brain, why emotions are absolutely vital for engaging people in a process of persistent change, and what the root causes are that have driven societal institutions to the edge of ecological collapse. Participants will explore the evolutionary origins of morality and discover the psychological foundations of identity that merge values, ideology, and institutions into the powerful stories we collectively live in the modern world. Techniques will be provided to begin using this knowledge to communicate effectively, increase civic

engagement, and design better structures for bringing about large-scale behavioral change. Participants can register for the entire series or individual sessions.

Price: see the website

[Visit the website](#)

6) Can Exposures to Toxic Chemicals Contribute to Intellectual and Developmental Disabilities?

Tuesday August 9, 2011

2:00 - 3:30 p.m. Eastern time

Sponsor: The Arc

Which toxics are associated with IDD? Which ones pose the greatest threat? Is there anything that can be done to minimize the risk of exposure? Join us for this webinar about how environmental toxics may contribute or exacerbate IDD and how one chapter is putting this knowledge into action. You will walk away with research-based facts that will be helpful for the individuals and families your chapter serves. Session speakers include Elise Miller, MEd, executive director of The Collaborative on Health and the Environment, and Meredith Salmi with The Arc of the Greater Twin Cities in Minnesota.

Price: free

Contact: Laurie Ertz, ertz@thearc.org

News and Journal Articles

[Large human study links phthalates, BPA and thyroid hormone levels.](#)

Tuesday, July 12, 2011

Generally speaking, greater concentrations of urinary phthalate metabolites and BPA were associated with greater impacts on serum thyroid measures, said John Meeker, assistant professor at U-M SPH and lead study author. ScienceDaily.

[See another article about BPA: ['BPA-free' bottles live up to manufacturers' claims, new study suggests](#)]

[Secondhand smoke tied to mental health problems in kids: study.](#)

Monday, July 11, 2011

New research suggests that secondhand smoke exposure can increase the odds of developing certain mental and behavioral disorders by 50 percent. Huffington Post.

[See other articles about tobacco use: [Study finds text messages help smokers quit](#); [Kentuckians buying fewer cigarettes](#); [Big Tobacco takes on Australia over bland branding](#); [Smoking gives birth to health issues](#); [Gruesome pictures can get the US to quit smoking](#) and [Study links secondhand smoke to learning disabilities in kids](#)]

[4th of July parades, fireworks, and waste.](#)

Saturday, July 09, 2011

It's not the Fourth of July without a parade and fireworks -- plus lots of trash and some not-so-healthy toxins and pollutants. Environmental News Network.

[Bill would let federal health researchers ban certain chemicals.](#)

Friday, July 08, 2011

A new bill could alter the landscape of chemical regulation in the United States by empowering researchers to take swift action against the most potentially harmful chemicals in use today. CNN.

[See other articles about regulation of toxicants: [DEP seeks to repeal some environmental rules](#) and [EPA proposes to review new uses of 14 chemicals classified as glymes](#)]

[First study of its kind shows benefits of providing medical insurance to poor.](#)

Thursday, July 07, 2011

When poor people are given medical insurance, they not only find regular doctors and see doctors more often but they also feel better, are less depressed and are better able

to maintain financial stability, according to a new, large-scale study that provides the first rigorously controlled assessment of the impact of Medicaid. New York Times.

[See other articles related to poverty and health outcomes: [Major health problems linked to poverty](#) and [Red tape, catch-22s impede progress in Texas' colonias](#)]

Could scented candles kill you? They're many women's favourite indulgence -- but their fumes are as toxic as cigarettes.

Thursday, July 07, 2011

Could the very candles used to soothe our mood actually be bad for us? Research has shown some scented candles produce smoke laced with almost as many toxins as those produced by cigarettes. London Daily Mail, United Kingdom.

Ranchers using Agent Orange to deforest the Amazon.

Thursday, July 07, 2011

Hundreds of acres of Amazon rainforest were defoliated using Agent Orange, reports IBAMA, Brazil's environmental law enforcement agency. Use of chemical defoliant, while a relatively new phenomenon in the region, represents a troubling development, the lead investigator said. Mongabay.

[See other articles about pesticides: [Greenpeace takes on Monsanto over 'pesticides arms race'](#); [EPA approves two insecticides for control of invasive stink bug](#) and [Status of legislation and regulatory control of public health pesticides in countries endemic with or at risk of major vector-borne diseases](#)]

Some pediatricians taking stand for vaccine program.

Wednesday, July 06, 2011

A small but growing number of parents think vaccines against childhood diseases are unsafe and are refusing or delaying shots for their children, despite the discrediting of a medical study linking vaccines and autism that stirred alarm. Chicago Tribune, Illinois.

Air pollution linked to learning and memory problems, depression.

Tuesday, July 05, 2011

Long-term exposure to air pollution can lead to physical changes in the brain, as well as learning and memory problems and even depression, new research in mice suggests. ScienceDaily.

[See other articles about air pollution: [EPA to tackle emissions from trucks used at ports](#); [EPA edges closer to national coal plant cleanup](#); [Clean Air Act enforced on tribal lands](#); [EPA offers energy tips on summer cooling to save money, reduce air pollution](#); [Smoke from Southeast wildfires is health hazard](#); [Scientists say Pentagon misleads on dust study](#); [Neighborhood gags as its economic engine spews pollution](#); [EPA seeks to adopt emission standards for large commercial aircraft](#); [EPA rule seeks to curb long-distance air pollution](#); [State pushing back against new air standards](#); [How dirty is the yellow school bus?](#) and [EPA proposes criteria to waive federal requirements for capturing gasoline vapors when refueling vehicles](#)]

Home is where the mold is.

Tuesday, July 05, 2011

A thick carpet of soot-black mold runs down one woman's bathroom wall and across the ceiling of her children's bedrooms. Rub it and the spores float, landing on sink tops and children's hair. The problem is indicative of the declining conditions at the city's public housing towers. New York Times.

In the 'stroke belt,' erosion of memory is more likely too.

Tuesday, July 05, 2011

A large national study suggests that people in the American South are more likely to experience a decline in cognitive ability over several years -- specifically, problems with memory and orientation. Possible causes range from nutrition to environmental factors like air quality. New York Times.

New study implicates environmental factors in autism.

Tuesday, July 05, 2011

A new study of twins suggests that environmental factors, including conditions in the womb, may be at least as important as genes in causing autism. New York Times.

[See other articles about autism: [Prenatal vitamins lower autism risk](#); [Are antidepressants linked to autism?](#); [Autism: New findings](#) and [Risk factors for autism remain elusive: study](#)]

Bangladesh leather trade's toxic cost.

Monday, July 04, 2011

Bangladesh's booming leather industry brought in more than \$460 million in revenue last year. But the human cost is also high, with many workers suffer from diseases related to exposure to the fumes of a toxic chemical called chromium. Al Jazeera, Qatar.

[See other articles about occupational exposures: [EU proposes more protection for workers exposed to radiation](#) and [Toxic metals in 'clean' shop towels may pose a health risk to some workers](#)]

Kentucky activists allege coal companies violate Clean Water Act thousands of times.

Sunday, July 03, 2011

Activists in eastern Kentucky's coal country used the records of two mining companies to identify thousands of alleged Clean Water Act violations in just the first three months of 2011. Living On Earth.

[See other articles about water contamination: [Don't be alarmed by some pollution reports, Kitsap Health District says](#); [Toxic sludge to be dumped in Canon City](#); [Radioactivity in some water supplies](#); [Contaminated water warning issued in Missoula](#); [Vindication mixes with continued uncertainty for Exxon plaintiffs](#); [\\$24 million plant to treat ground water at Hanford](#); [Concern rising over pollutants in waters](#); [High levels of pollutants found at L.A. County water sites](#); [Halliburton confirms well contamination in Duncan](#) and [Dow ruled responsible for groundwater pollution](#)]

QuickStats: percentage of children aged 5--17 years ever receiving a diagnosis of learning disability, by race/ethnicity and family income group --- National Health Interview Survey, United States, 2007--2009.

Friday, July 01, 2011

For children in all three racial/ethnic groups, the percentage of children ever receiving a diagnosis of learning disability decreased as family income increased. Morbidity and Mortality Weekly Report.

Budgets cripple tests for mercury.

Friday, July 01, 2011

South Carolinians who eat fish from the state's waterways will not learn if they have elevated mercury because health officials have given up on a proposed major statewide campaign to reduce the amount of mercury in the environment and determine the extent of health risk. Charleston Post and Courier, South Carolina.

[See other articles about mercury and other contaminants in food: [Toxins in Great Lakes fish](#); [Fish found in Jacksonville contain high levels of mercury, PCBs](#) and [It's not all white: The cocktail of up to 20 chemicals in a glass of milk](#)]

New York's ban on fracking to lift with study release.

Friday, July 01, 2011

An executive order banning hydraulic fracturing in New York is set to expire today as a key environmental study of the natural gas drilling process is set to be released. Industry officials say potential drilling in New York would have minimal impact on Pennsylvania. Pittsburgh Tribune-Review, Pennsylvania

[See other articles about fracking and drilling: [France vote outlaws 'fracking' shale for natural gas, oil extraction](#); [NJ first in US to ban hydrofracking](#) and [Pa. study to measure possible health impacts of drilling](#)]

Chemical contamination in Tohoku, with Lizzie Grossman and Winnie Bird.

Friday, July 01, 2011

Now public health officials are beginning to assess another potential source of disaster-

related exposures: hazardous chemicals that may have been released when major industrial centers along Japan's east coast were damaged or destroyed.

[See other articles about contaminated sites: [Comment period extended for proposal to clean up former Texaco site near Fillmore](#); ['Compromised' site to go on market](#); [Poison gas threat to informal settlements](#); [EPA plans public meeting on Pedricktown Superfund site](#); [EPA update on Yellowstone River Oil Spill \(Silvertip Pipeline\), July 11, 2011](#); [EPA to outline cleanup plan for contaminated groundwater at NL Industries Superfund site in Oldmans Township](#); [EPA extends public comment period on proposed remedies for Radford Army Ammunition Plant](#); [NIH-funded research network to explore oil spill health effects](#); [Federal TCE study to be revived](#) and [EPA seeks public input on cleanup plan for Crown Vantage Landfill Superfund site in Alexandria Township, New Jersey](#)]

Cinnamon and Alzheimer.

Friday, July 01, 2011

An extract found in cinnamon bark, called CEppt, contains properties that can inhibit the development of the Alzheimer disease. Environmental News Network.

[See other articles about nutrition and health: [Getting enough 'sunshine vitamin' may not just be about catching rays, new blood test reveals](#); [The power of D: What's inside the bun?](#); [The health beef over barbecued meat](#); [Somalia food crisis reaching 'unimaginable proportions'](#); [Red wine and exercise](#); [Imported fish with banned chemicals reaching U.S. consumers](#) and [Industries lobby against voluntary nutrition guidelines for food marketed to kids](#)]

Perfluorochemicals linked with impulsivity.

Thursday, June 30, 2011

Children's exposure to a growing list of industrial chemicals, including certain pesticides and phthalates, has been linked to development of attention deficit hyperactivity disorder. Now evidence suggests that perfluorinated chemicals boost ADHD risks by making children prone to impulsive behavior, a core ADHD feature. Chemical & Engineering News.

Exposure to PBDEs in the office environment: evaluating the relationship between dust, handwipes, and serum.

Thursday, June 30, 2011

Our research suggests exposure to PentaBDEs in the office environment contributes to PentaBDE body burden with exposure likely linked to PBDE residues on hands. In addition, hand-washing may decrease exposure to PBDEs. Environmental Health Perspectives.

[See other articles linking exposures to health outcomes: [Relationship between urinary phthalate and bisphenol A concentrations and serum thyroid measures in U.S. adults and adolescents from NHANES 2007-08](#) and [Arsenic exposure and motor function among children in Bangladesh](#)]

West Africa faces food shortages.

Wednesday, June 29, 2011

West Africa faces serious food shortages due to repeated floods caused mainly by climate change, experts warned in the Nigerian capital Abuja. Agence France-Presse.

City's lead poisoning prevention program to be limited due to loss of funding.

Wednesday, June 29, 2011

Racine, Wisconsin's Health Department's lead poisoning prevention program will be limited because of a loss of federal funding, according to the city. Racine Journal Times, Wisconsin.

[See a similar article from New York: [Number of children with lead poisoning edges up in Monroe](#) and another article about lead hazards: [Grand Rapids and 'Get The Lead Out' celebrate more than 1,000 homes made safer for kids](#)]

Environmental Health Research Foundation releases report on the benefits of green space.

Wednesday, June 29, 2011

The report is a scientific review of literature that provides a comprehensive evaluation and analysis of recent research studies from a variety of sources across the U.S. on the environmental and health benefits of properly maintained green space. Sacramento Bee, California.

[Prenatal lead exposure and weight of 0 to 5 year-old children in Mexico City.](#)

Wednesday, June 29, 2011

Maternal bone lead was associated with lower weight over time among female but not male children up to 5 years of age. Environmental Health Perspectives.

[See other articles about pre- and perinatal exposures and health: [Associations between polybrominated diphenyl ether \(PBDE\) flame retardants, phenolic metabolites, and thyroid hormones during pregnancy](#); [Swine flu vaccine safe in pregnancy: study](#); [Burning coal indoors linked to birth defects](#); [A balanced diet plus low dose BPA exposure in womb and while nursing causes fatter, sicker rats](#); [Prenatal exposure to phthalates and infant development at six months: prospective Mothers and Children's Environmental Health \(MOCEH\) Study](#) and [An in vivo animal study assessing long-term changes in hypothalamic cytokines following perinatal exposure to a chemical mixture based on Arctic maternal body burden](#)]

Lessons Learned

Radiation - Good, Bad and Ugly - Exploited and Abused

by Steven G. Gilbert, PhD, DABT

"The Atomic Age was born in secrecy, and for two decades after Hiroshima, the high priests of the cult of the atom concealed vital information about the risks to human health posed by radiation. Dr. Alice Stewart, an audacious and insightful medical researcher, was one of the first experts to alert the world to the dangers of low-level radiation." - Stuart Udall, former US Secretary of the Interior

"Millions of Americans every year depend upon medical imaging exams to diagnose disease and detect injury, and thousands more rely on radiation therapy to treat and cure their cancers." - Charles W. Pickering

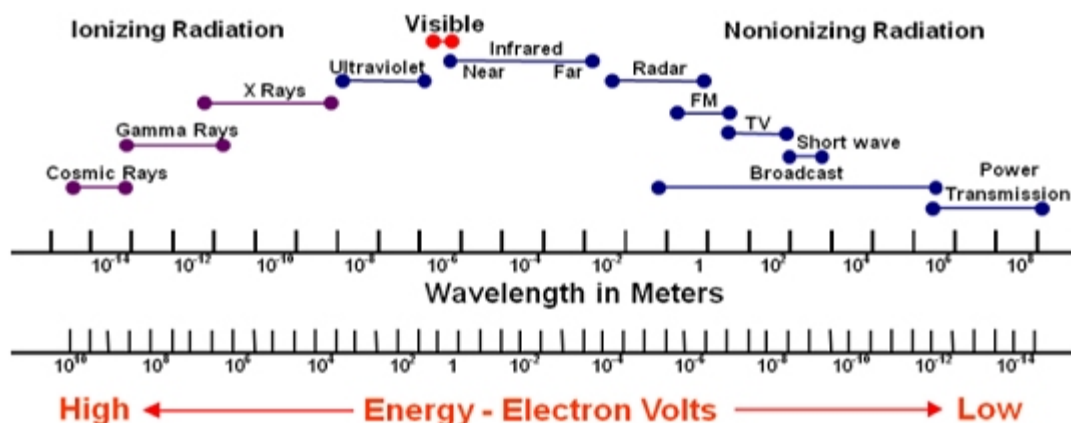
"The current lack of a national standard for operators of medical imaging and radiation therapy equipment poses a hazard to American patients and jeopardizes quality health care." - Charles W. Pickering

"'Not to worry,' their bosses told them. 'If you swallow any radium, it'll make your cheeks rosy.' The women at Radium Dial sometimes painted their teeth and faces and then turned off the lights for a laugh." From Radium Girls By Martha Irvine, The US Radium Corporation a factory in Orange, New Jersey around 1917

All life depends on electromagnetic radiation. We are surrounded by and depend on radiation-emitting devices, from the sun -- we depend on the sun's radiation for photosynthesis and heat -- to our cell phones and radios, from medical x-rays to the electricity that powers our homes. There are many benefits from radiation-emitting devices, for plants depend on small doses of radiation, living by converting this energy through photosynthesis to sustain them and in turn provide food for many of the earth's animals. However, we are still learning about some of the health effects.

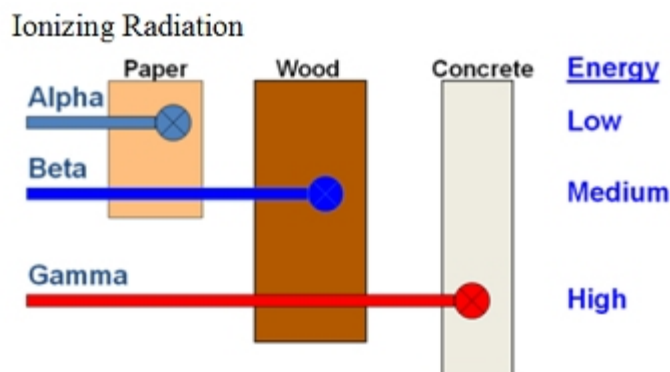
The electromagnetic spectrum is roughly divided into ionizing and nonionizing radiation. The distinction depends on the amount of energy carried by the radiation, which is directly related to the frequency of vibration of the electric and magnetic fields. When the frequency (and hence energy) is high enough, the radiation can separate electrons from atoms, ionizing the material it passes through. For biological material this energy can damage cellular DNA and disrupt function. Nonionizing radiation includes ultraviolet, visible, infrared, microwaves, radio & TV, and power transmission. Ionizing radiation includes high-energy radiation such as cosmic rays, x-rays or gamma rays generated by

nuclear decay. Ionizing radiation also includes several types of subatomic particles such as beta radiation (high energy electrons) and alpha radiation (helium ions) and others. Medical x-rays are an example of a common beneficial exposure to ionizing radiation.



The challenges have been to assess the human health and ecological effects of both ionizing and nonionizing radiation. While we depend on the sun, we are also familiar with the hazards of solar radiation that can result in sunburn, cataracts and skin cancer. Microwave radiation, used by cell phones, is also a potential concern as it warms the skin or internal organs. Excessive use of a cell phone on the ear may increase the rate of brain cancers. There is also controversy around the potential hazards of exposure to low-frequency energy such as AC power lines. The challenge as always is to limit exposure.

The effects of high-dose ionizing radiation are well documented. We also know a great deal about energy emitted and how to reduce exposure. An important distinction is whether there is external exposure to a radioactive material or ingestion of a radioactive particle. Ingestion of a radioactive particle results in nearby cellular exposure and greater likelihood of cellular damage resulting in cancer. For example, iodine-131 is taken up by the thyroid and can cause thyroid cancer. The young are particularly vulnerable.



The challenge that our modern society faces is to exploit the properties of ionizing and nonionizing radiation while putting in place appropriate safeguards that protect human and environmental health. We must also recognize that children are more vulnerable to radiation exposure than adults, be it solar radiation, microwaves, or iodine-131. We have an ethical responsibility to ensure that our children can reach and maintain their full potential, free of unnecessary radiation exposure.

Nonionizing Radiation at Toxipedia: <http://toxipedia.org/x/gg0>

Ionizing Radiation at Toxipedia: <http://toxipedia.org/x/g00>

Alice Mary Stewart at Toxipedia: <http://toxipedia.org/x/MNJb>

Looking back to go forward

Lessons Learned is a bulletin feature focusing on an historical event that provides an important lesson for ensuring a more sustainable and healthy environment. Please feel free to send suggestions to [Steve Gilbert](mailto:Steve.Gilbert@toxipedia.org).

Past Lessons Learned: <http://toxipedia.org/x/06Jb>

The Collaborative on Health and the Environment offers this information as a service but does not endorse any of the events, articles or announcements.

Companion bulletins are available for different audiences:

- For those interested in general children's environmental health: http://www.healthandenvironment.org/working_groups/childrens_health/bulletins
- For those interested in environmental health in Washington State and the Pacific Northwest: <http://washington.chenw.org/bulletins.html>

While there is overlap with this bulletin, there are some events and announcements unique to those bulletins.

If you would like to join the Collaborative on Health and the Environment (CHE) and the LDDI Working Group, please complete the application on the CHE website: <http://www.healthandenvironment.org/application>. Joining CHE means receiving up to four email messages a month from the CHE National listserv. CHE costs nothing to join and the benefit is shared information and opportunities for further engagement, if you choose. Be sure to mark that you want to join the Learning and Developmental Disabilities Initiative Working Group at the bottom of the application.

Nancy Hepp
Collaborative on Health and the Environment

[Join Our Mailing List!](#)