



SUSTAINABLE DESIGN INDEX

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The gnarled root of a tree reflects, like the wrinkles and stoops of an old person, the adventures of its life. It is a history to be acknowledged and honored in the places we make and live.

AFFORDABILITY:

[THE HIDDEN COSTS OF HOUSING](#), Top award winning entry in the 1981 California Affordable Housing Competition. Laid out strategies to reduce housing costs by 90% through unconventional approaches to the whole spectrum of housing costs.

["IMPROVING HOUSING AFFORDABILITY"](#), Oct. 14, 2005. A good, thorough scoping paper for NeahCasa, outlining what makes housing cost what it does, and what can be changed.

["FREE HOMES."](#) March '14. Summary of multiple means to reduce housing costs by 90-100%.

[FREE HOMES](#), 2007. How to use a CLT structure to eliminate home financing costs forever within 25 years.

["OUR HOMES ARE A GOLDMINE,"](#) Daily Astorian, Feb. '09. A progress report on demonstrated ways of reducing energy use of existing homes by 80%

["FINANCE-FREE HOUSING"](#), Sept. 22, 2006. Using Factor-10 economics to reduce overall housing costs by 80-90% in 20 years. The only real cause of housing unaffordability is our passive acceptance of government policy causing income disparity and allowing corporate profiteering on housing finance and energy operating costs. Here are systemic changes - within local community control - that can cut housing costs by 50-75% - across the board.

["EFFICIENCY VS. EFFECTIVENESS"](#), BUILDING WITH NATURE #18, Jan. 1998. Getting beyond one-dimensional criteria in our lives.

["ADUs"](#), presentation to Tillamook PUD. 2009. Joining land use rules and deep energy retrofits to create affordable housing at pennies on the dollar.

[THE ECONOMICS OF TRUE SUSTAINABILITY](#), March, 2012. Second Edition of LEARNING TO COUNT WHAT REALLY COUNTS: The Economics of Wholeness. The true kind of interaction that needs to underlie all of our actions – from the sacred, ecology, life-force energy, and wholeness. Ten times as effective as what we've been doing!

FLEXPLEX:

[FLEXPLEX](#), 2008. Modular, net-zero-energy affordable flex-homes.

[FLEX-HOUSING](#), 2007. Home design that can adapt to changing family and community needs - accessible for home occupations, ADUs, duplexing, etc.

ENERGY USE:

["FLEXPLEX ENERGY"](#), NeahCasa, Aug. 2010. Yes, here's an innovative design for a duplex that uses 95% less energy/unit than the standard American house.

["REQUIRE ZERO-ENERGY HOMES"](#) Daily Astorian, 3 July 2008. Requiring zero-energy houses in our building codes can happen, and happen quickly, at local, state, or national levels. It helps homeowners. It helps the building industry, transferring investment from oil to building. It helps the future.

["TILLAWATTS"](#), 21 Jan. 2009. Lays out combining ADUs or Granny-Flats with deep energy retrofits to lessen infrastructure impacts as well as construction costs of housing. "FlexPlex" and "Two for One" lay out more physical details.

["TILLAWATTS – Presentation"](#), 2009. Details of future energy costs and integrated actions to make our lives safer, more affordable, and more comfortable.

SACRED:

[PLACES TOUCHING SPIRIT](#), 2006. How our places can bring us into deeper connection with the rest of creation.

[SACRED ART, SACRED SPACE](#), 2006. The different roles of art and architecture in a world where all is held sacred, and where the primacy of energetic realms is understood.

[THE SACRED ROOTS OF SUSTAINABLE DESIGN](#), 1995. A personal commentary on moving to patterns of enriching and nurturing living and working.

["THE REALMS OF SPIRIT"](#), ARCHITECTURE, CULTURE, and SPIRITUALITY SYMPOSIUM, 25 March, 2009. A silent presentation, through images, of the role of the sacred in our surroundings and lives.

[THE HEART OF PLACE](#), 1993. The sacred core of architecture and its role in sustainability.

SOUL:

["LIVING ARCHITECTURE,"](#) Bringing Buildings to Life Symposium, 18 May 2006. Published in *Biophilic Design*. Kellert, Heerwagen & Mador, eds. July 2007. The role of soul in architecture.

[PUTTING HEART INTO OUR HOMES](#) from **YOGA JOURNAL**, Sept. 1986. Reprinted as "Putting Heart into Our Homes," Bendigo Advertiser, Bendigo, Victoria, AU, Jan 5, 12, & 19, 2002. How our surroundings mirror our values, and how to bring our homes to reflect the values of nurture, love, and being a part of the ongoing creation of life.

[PUTTING HEART BACK INTO OUR HOMES](#), for **ANOTHER KIND OF SPACE**, **Dealing & Meltzer**, ed. 2001. A piece of my own journey into the wholeness of making places.

["THE SACRED ART OF BUILDING"](#), IN CONTEXT, Autumn 1986. A brief look at touching the spirit of place, the heart and soul of where we live.

["THE SOUL OF NATURAL BUILDING"](#), from **NATURAL BUILDING COMPENDIUM**, Lynne Elizabeth and Cassandra Adams, ed., Wiley & Sons, 1999. What do we seek through the use of natural building materials?

ENERGETICS:

See [ENERGETICS OF PLACE INDEX](#)

SIZE:

["BEYOND AN OVERSTUFFED WORLD"](#), 3 Nov. 2008. Images of the savings and benefits of thinking smaller in our homes.

["TWO FOR ONE: BETTER USE OF EXISTING HOUSING"](#), 6 March 2006. Case study of transforming a single-family home into flexible housing for more people.

[FLEXPLEX](#), 2008. Modular, net-zero-energy affordable flex-homes. Good design doesn't need big size.

COMMUNITY LAND TRUSTS:

[NEAHCASA](#) Our CLT's website, with Innovations Index, etc.

[NEAHCASA PLANBOOK](#). Some well-functioning (sometimes "tweaked") plans, with passive solar potentials, etc. Gives a sense of sources, purchase costs, minimizing design costs.

[NEAHCASA](#), 2007. Overview PDF. Strategies our own CLT has developed to transform the housing market and achieve 80% reduction in overall housing costs.

ELEMENTS:

["ENTRIES"](#), FENG SHUI JOURNAL, Spring 1998. What do different parts of our homes do for our hearts?

[MOSS ROOFS](#), Dec., 2000. Simpler ways to roofs that create oxygen, cool houses, absorb water, warm our souls.

["STORAGE STAIRS"](#), FINE HOMEBUILDING, June/July 1983. Reprinted in BUILDING FLOORS, WALLS and STAIRS, 1988; FINEHOMEBUILDING ON FLOORS, WALLS AND STAIRS, 1990, and STAIRS: THE BEST OF FINE HOMEBUILDING, 1995. The functions of a part of our buildings are multiple.

OVERVIEWS:

[BUILDING WITH THE BREATH OF LIFE](#), 2000. The definitive introduction to the field of energetic design. This companion volume to *Silence, Song and Shadows* provides the detailed historical, conceptual, and how-to information for working with chi energy in our surroundings. Over 300 illustrations.

[**BUILDING WITH THE BREATH OF LIFE**](#), 2000. The 1999 draft chapters (no pictures) available on this website of *Building with the Breath of Life*.

[**BUILDING WITH THE BREATH OF LIFE**](#), DVD, Fire River Press, 2003.

[**SILENCE, SONG & SHADOWS**](#), 2000. A compelling affirmation of the role of the sacred in our lives and surroundings, the energetic connections between people and place, and the importance of our surroundings to our health. A visual and poetic introduction to the energetics of place in other cultures and in our own culture today. 96pp, 12" x 12", full color, richly illustrated with original photographs.

[**THE HEART OF PLACE**](#), 1993. From *feng-shui* to sacred building to the economics of sustainable design to learning from and designing places from the heart. Book xero-published in manuscript form. [To order](#)

[**ENVIRONMENTAL DESIGN PRIMER**](#), 1973. The *Environmental Design Primer* gives an overview and introduction to the issues of sustainable design beyond those gone into more depth in these more recent articles. It is currently out of print, but available through Interlibrary Loan, or used book searches from powells, amazon, or b&n.com.

[**LIVING LIGHTLY: ENERGY CONSERVATION IN HOUSING**](#).
Monograph excerpts. 1973.

[**LIVING LIGHTLY: ENERGY CONSERVATION IN HOUSING**](#). Full monograph. 1973. This was pretty audacious. Asserting, in 1973, that we can lower our energy use by 90%. Asserting we will be happier and healthier when we do. Showing how, in our built environment. Then taking a class of pre-architecture students and *building* a demonstration house to show it works.

CHECKLISTS:

[**TOUCHSTONES**](#), 1994. Some excerpts from THE HEART OF PLACE and BUILDING REAL WEALTH which give a hip-pocket short-list of reminders and checklists for designing from the heart.

[**"TOUCHSTONES - SEVEN TESTS"**](#), Dec. 1993. Reprinted in THE HEART OF PLACE, 1993, and DIALOGS WITH THE LIVING EARTH, Swan & Swan, ed. 1996. A good checklist for good design.

SAMPLE PROJECTS:

[**SLIDESHOWS OF EXECUTED PROJECTS**](#)

BANK OF ASTORIA: BUILDING COMMUNITY SUSTAINABILITY, 2001. National Award Winning Project in Sustainable Design, 2001 AIA Architecture + Energy Program. Community and spiritual as well as material dimensions of sustainability, and what happens when we touch the heart of our institutions in design.

"ECONOMICS, ARCHITECTURE, AND BANKING," GREEN MONEY JOURNAL April '03. How does a building impact the performance of an institution?

* **"BUILDING WITH QI, THE BREATH OF LIFE"** and **"THERE'S SOMETHING MAGICAL ABOUT THIS PLACE . . ."** THE NEW ASIAN HOME, Kendra Langeteig, 2008.

THE SHRINE OF THE MOUNTAIN AND THE WATERS, 1997. The importance of our surroundings showing that we value all of Creation, and what happens when we go about ensuring that it does.

HOSPICE: GATEWAYS OF LIFE AND DEATH, Oct. 2000. Acknowledgment and honoring the major transitions of life transform the institutions we create to deal with them.

"LIGHT AND POWER", 10 Oct. 2007. Presentation to Oregon Interfaith Power and Light. Institutional process to work with both "efficiency" and the sacred.

"SEWAGE IS ART: A STUDY OF THE HEALING OF PLACE WITH "CHI", June, 1995. **"SEWAGE IS ART: A STUDY OF THE HEALING OF PLACE WITH "CHI"**, June, 1995. Excerpt. Weaving cultures, energy, and life in the Inner City. Design for competition for Korean Museum of Art and Culture in L.A.

"AMAZON STUDENT HOUSING," April, '94. A case study done for the students at the University of Oregon wanting to extend the life of existing student housing rather than replacing it. Same story here, of ignoring full project and life-cycle costs, but here dealing with actual existing buildings. Ability to avoid financing costs through incremental replacement / upgrading is key issue that offsets the costs of working on existing buildings. The "outdated" buildings have been moved to a new site, and now continue to provide quality affordable housing!

* **"AUTONOMOUS LIVING IN THE OUROBOROS HOUSE"**, POPULAR SCIENCE, Dec. 1975.

OUROBOROS from **LIVING LIGHTLY**, 1973. One of the first integrative "ecological designs", in a northern climate, and demonstrating the principle that one plus one equals at least three!

* ["PROJECT OUROBOROS"](#), Minnesota Daily, 31 May 1973. University newspaper article on the construction phase of the project.

IN COMMUNITY:

[THE IZU PRINCIPLES](#), Oct. 1994.

A brief summary of the five change-of-heart principles needed for sustainability.

["THE SPIRITUAL HEART OF SUSTAINABLE COMMUNITIES"](#), May 1994. Diseases of the spirit in our culture, breaking loose from the values of greed and violence, an introduction to the role of "*chi*" in design, putting heart back into our architecture, and making cities which can move our hearts.

["CITIES OF PASSION, CITIES OF LIFE"](#), 9 Oct. 1993. What makes community arise within the places we live?

[SUSTAINABLE CITIES - JAPAN](#), 1994. A work plan for bringing a place and culture back in line with its roots, its ecological supports, and its own dimension of sustainability.

[UNEXPECTED GIFTS](#), Solar '96 Solar Energy Association of Oregon Conference, October, 1996. A feeling for some of the non-economic benefits of a sustainable culture that are far different from those of a growth society.

["CO-HOUSING TO CO-MMUNITY"](#), Nov. 1993. Reprinted in THE HEART OF PLACE, 1993. Connectedness in all aspects of where we live.

GEOMETRY:

[THE PANTHEON REVISITED](#), 1990. A response to an article in *Design Spirit* on sacred geometry, questioning some of the conventional application of that term and searching for the depths in geometry and design where power does exist.

CONNECTION WITH PLACE:

["BEING AT HOME"](#), RESURGENCE #169, March 1995. Meaning and place.

[BEING AT HOME WITH OUR SURROUNDINGS"](#), THE URBAN ECOLOGIST, 1994 #3.

["IN A WILD MOUNTAIN GARDEN"](#), 1989. Learning to shake loose the conventions of gardening and landscaping. Learning from where we are, and from the wisdom of eons of interacting of the communities of life we join in a new place.

"NATUREBUILD", 2009. Working with the beauty and extravagance of natural materials and places.

'76, RAINBOOK, '77. Just the idea is enough. Want a Stay-At-Home-Vacation!!

MISC:

"HAVING FUN AFTER DOOMSDAY", NORTHWEST ECOBUILDING GUILD, 2009. What's the role of architects in a no-material-growth world?

ECO-BUILDING II, May 1996. A succinct overview of the immense savings from letting go of the costly values of growth, greed, inequity, and violence. Some of the paradoxes involved if we capture those savings without first dealing with population, appetites, and our inner values.

SOME QUESTIONS WE HAVEN'T ASKED, April 1996. A more extensive coverage of the issues, showing that political actions needed involve little more than reversing some of the laws enacted in recent decades.

SHEDDING A SKIN THAT NO LONGER FITS, Mar. 1996. The head and the heart of letting go of things that don't help us any more, and a feel for what we find beyond.

MULTICULTURAL DESIGN IN AUSTRALIA, 1995. From Winter Cities to desert countries- the power that comes from living and designing in touch with the heart and spirit of different places.

"NOTES ON ECOLOGICAL HOUSING IN JAPAN", GREEN POST (Japanese Environmental Journal) #10, 1993. Every culture and situation gives a different faceted look into the dimensions of change and the nature of sustainability. Why is Japan looking for ecological housing?

BUILDING REAL WEALTH, May 1993. Text of top award winning entry in the 1993 AIA/UIA Sustainable Community Solutions International Competition. What constitutes our real wealth, with a cluster of illustrations of how our surroundings change when we embrace more nurturing values.

LINKS TO RELATED ITEMS:

[AFFORDABLE HOUSING INDEX](#)
[ENERGETICS OF PLACE INDEX](#)
[GLOBAL WARMING INDEX](#)

[OCCUPY EARTH INDEX](#)
[SOCIETY WORTH LIVING FOR INDEX](#)
[SUSTAINABLE ECONOMICS INDEX](#)
[ALPHABETICAL ARTICLE INDEX](#)
[CHRONOLOGICAL ARTICLE INDEX](#)