

PEOPLE

Our research included hours of conversations with many women and men who were generous with their time and thoughts. This list includes those participants we interviewed and quoted, briefly or at length.

ADAMS, Constance

As a designer of human habitats in the aerospace industry, Constance Adams calls herself a “space architect.” Having worked with Lockheed Martin and NASA on such programs as the TransHab inflatable habitation module, she is convinced we will colonize other planets. “This will happen. It’s not a matter of if, just when—and how. We already have the ability to go to other planets and terraform them—remake them literally in the earth’s image—but will we do it responsibly? We are the means by which this planet will reproduce. We are the instruments of the next biological phase of the earth. Mother Earth is an empty nester.”

ADDINGTON, Michelle

Michelle Addington says she thought she was the only nuclear-engineer-turned-architect—“until I met another one at a party.” Having recently joined the faculty of Yale University’s School of Architecture after several years at the Harvard Graduate School of Design, she teaches courses in energy, environment, advanced technologies, and new materials. Her research focuses on the human thermal environment and the potential for architecture afforded by new scientific theories in heat transfer and fluid mechanics. With Daniel Schodek, she co-authored *Smart Materials and Technologies*. Addington is interested in transforming building technology, but she is quick to point out that

technology is a tool, not an answer. “Sustainable design is not a series of strategies or techniques; it’s about understanding how things work.”

AMON, Amelia

Industrial designer Amelia Amon develops solar, water, and energy-efficient systems, from solar streetlights to alternative energy products for rural communities. “We have to be making systems that operate on renewables *and* are beautiful,” she says. She says that the sustainable design community is more open and friendly than design communities generally and predicts that the pace of change will increase. “We’re at the beginning of this. Oil is ending.”

ANDERSON, Lauren

Lauren Anderson is executive director of Neighborhood Housing Services of New Orleans, a nonprofit housing corporation established in 1977. She is an attorney and has worked in community development since the 1980s. She was co-chair of the Housing subcommittee of the Bring Back New Orleans commission. “I have a commitment to urban areas and to making them a place of choice,” she says. Anderson played an active role in Women of the Storm, a group of 140 women from Louisiana who “stormed” Capitol Hill after Hurricane Katrina to urge Congress members to visit their city and witness its ruins firsthand. They carried blue umbrellas to symbolize the ubiquitous blue tarps protecting damaged roofs in the Gulf region. Anderson recalls, “Katrina was the largest natural disaster in the history of the U.S., and less than 30 percent of Congress had visited. So we visited them instead.”

ANDERSON, Ray

Ray Anderson is founder and CEO of Interface, the world’s largest carpet tile manufacturer and a company widely acknowledged as a sustainability innovator. He has been very vocal about the influence of women—in general and in particular—on Interface’s mission “to be the first company that, by its deeds, shows the entire industrial world what sustainability is in all its dimensions.” The company began focusing on sustainability at the urging of Joyce Lavelle, now a senior vice president. What exactly is sustainability? “With or without a name attached to it,” says Anderson, “it’s simply doing well by doing good.”

ARIEFF, Allison

Allison Arieff is the co-author of *Prefab* and the former editor-in-chief of *Dwell* magazine. “In 2001, when I mentioned prefab,” she says, “people thought I was off my rocker.” Now modern prefab has become extremely popular, partly due to the attention Arieff has

brought to designers such as Jennifer Siegal, Michelle Kaufmann, and Rocio Romero. She says prefab construction avoids extensive transportation to and from a building site, but the idea has a long way to go. “The hype precedes the implementation of these goals. That’s true of prefab and sustainable design both.”

ATHENS, Lucia

Landscape architect Lucia Athens is the Green Building Team Chair for the City of Seattle, where she has also worked with Paladino Consulting. Previously she helped implement pioneering green community efforts in Austin, Texas. There she also worked with Pliny Fisk and Gail Vittori at the Center for Maximum Potential Building Systems. “The public sector needs to set an example and provide the leadership to enable the private sector to embrace sustainability,” she says. “The role of the public leader transcends that of a regulator, and it can be one that provides vision, hope, and empowerment to any global citizen.” She says that the public sector’s constituents or “clients” need not be human. “Think of the endangered salmon of the Pacific Northwest. They can’t write checks, but they provide an enormous amount of the ecological wealth of our region.”

AUSTIN, Katherine

Architect Katherine Austin worked for three firms for nine years before founding her own firm in Sebastopol, California. She now focuses on affordable housing, or “providing attractive, dignified homes for families of modest means.” She says having her own firm also allows her to control her schedule and be a more active part of her sons’ lives.

BAKEWELL, Kathleen

Studying film in Chicago, surrounded by great architecture, Kathleen Bakewell wound up in landscape architecture “because architecture seemed male-dominated and professionally problematic.” Bakewell worked for HOK in the late 1990s in New York and worked on the green roof on the Staten Island Ferry Terminal. Today she is with Hart/Howerton. “I’d like to move the conversation to the next step and talk about how we attack the greater, more entrenched problems of sprawl, inequity, and consumption.”

BARGMANN, Julie

Time magazine called Julie Bargmann an innovator for the twenty-first century. This landscape architect works with teams of many other disciplines to design regenerative landscapes, coaxing beauty from disturbed, forgotten, or contaminated sites. The DIRT studio stands for Design Investigations Reclaiming Terrain ... or for Dump It Right There. In multidisciplinary studios at the University of Virginia, she challenges students to deal

with real places in real time. “They have to address these places, often degraded landscapes in marginalized communities, as they exist now. Then they can introduce systems that will regenerate the sites. But to grasp the whole context, students have to take on the role of design citizen.”

BARNETT, Claire

When her son suffered a pesticide injury, Claire Barnett put her journalism skills to work seeking answers from the school where the injury had occurred (she had been a reporter with *Time* magazine). “One day, a bureaucrat told me ‘We’re not allowed to talk to parents,’ and hung up. And my life changed.” After advocating a study about the health of schools, she put together a coalition that became the Healthy Schools Network, a clearinghouse of information for parents, teachers, and schools.

BATSHALOM, Barbra

Architect Barbra Batshalom is founder and executive director of The Green Roundtable (GRT), an independent non-profit whose mission is to mainstream green development and, according to her, “ultimately become obsolete.” As the New England affiliate for the USGBC, GRT works with healthcare institutions, universities, community development corporations, cities, and nonprofit property owners. According to architect and fellow consultant Bill Reed, “Barbra is working at the mental model level. She is one of few people capable and willing to tackle this issue at the deeper level.”

BAUM, Mara

Mara Baum was the U.S. Green Building Council’s 2006 Mark Ginsberg Sustainability Fellow and now works in healthcare design with Anshen + Allen in San Francisco. She has noticed that there are many more women in sustainable design than in design and construction generally. “I think of women as being better able to balance different ideas and disciplines. That is what sustainability is all about.”

BAUMEISTER, Dayna

Janine Benyus says that Dayna Baumeister, with whom she co-founded the Biomimicry Guild, “is perfecting the art of biomimicry in motion.” While in graduate school, Baumeister was exploring the idea of a wall that could breathe when a professor recommended Benyus’ book, *Biomimicry: Innovation Inspired by Nature*. “I see it as a triangle: ethics (conservation biology, sustainability), science (pure biology), and application (forestry, wildlife management). Biomimicry is in the center.” Baumeister speaks widely and has consulted with Interface and other companies to bring biology and design together. She coordinated the biomimicry workshop in Costa Rica in March 2006.

BENYUS, Janine

Science and nature writer Janine Benyus is the author of the influential *Biomimicry: Innovation Inspired by Nature*, which over the last decade has single-handedly spawned a movement of biologically inspired design. According to the *New York Times*, “The colors of Benyus...contain far more shades of green than of chrome.” While doing field research in Montana, she “fell in love” with its mountains and stayed. She believes Montana may have triggered a genetic memory of the High Tatras in Slovakia, from which her grandfather immigrated to the U.S. at age fifteen. Architect Bob Berkebile says that Benyus sees the “part of the large pattern that is informed by spirit and intelligent energy that we have yet to understand. It’s that openness and ability to love that holds real potential for the movement. It takes courage and integrity to be in that place.” With Dayna Baumeister, she runs the Biomimicry Guild and dedicates herself to educating people about the wonder of the natural world. “The better people understand the genius of the natural world, the more they will want to protect it,” she says.

BERKEBILE, Bob

Bob Berkebile, a founding principal of BNIM Architects in Kansas City, Missouri, was the founding chairman of the AIA Committee on the Environment, and has served on the board of the U.S. Green Building Council (USGBC), from which he received the 2005 Leadership Award. “This is the time for women,” he says. “We need a more holistic, integrated approach that’s more about nurturing. That will take more leadership from women or from the feminine side of all of us.”

BERLE, Peter A.A.

Lawyer Peter A.A. Berle served three terms in the New York State Assembly. He was president/CEO of the National Audubon Society and publisher of *Audubon* magazine from 1985 to 1995. Today, he is president of Sky Farm Productions.

BLUM, Elizabeth

A history professor at Troy University, Elizabeth “Scout” Blum studies women’s history and environmental issues. Her Ph.D. dissertation was “Pink and Green: A Comparative Study of Black and White Women’s Environmental Activism in the Twentieth Century.” She says that in the 1960s and 70s many women used environmental activism “as a way to react against the feminist movement, which they saw as anti-children and anti-family.” She also says that the role of black women has not gotten enough attention. “Minorities have played a significant role in environmental movement—it just hasn’t been visible as the civil rights movement.”

BONDA, Penny

A prominent writer and lecturer, Penny Bonda currently serves as “eco-editor” of *Interior Design* magazine and contributes monthly to their online resource, The Green Zone. She authored *Creating Sustainable Interiors*, a monograph for NCIDQ and co-authored, with Katie Sosnowchik, *Sustainable Commercial Interiors*. She is past president of the American Society of Interior Designers and chair of its Sustainable Design Council. She serves on advisory boards for Antron, Greenguard, and the USGBC’s LEED training faculty. Bonda is the recipient of ASID’s 2007 Designer of Distinction award and the 2003 USGBC Leadership Award. She started the USGBC’s LEED for Commercial Interiors program and acted as its founding chair. “While the LEED system was being developed,” she recalls, “I mentioned that maybe we should have a version for interiors. One of the board members said, ‘Why? Interiors don’t matter.’ I said ‘Well, actually, that’s where the people are.’ ”

BOURLAND, Dana

As senior program director of The Enterprise Foundation’s Green Communities Initiative, Dana Bourland managed the development of the Green Communities Criteria, a collaborative effort between The Enterprise Foundation and the Natural Resource Defense Council, and other organizations. She previously worked in the Maryland Department of Planning and is a frequent speaker on green communities.

BRAGER, Gail

Mechanical engineer and professor of architecture Gail Brager is the associate director of the Center for the Built Environment at the University of California-Berkeley. She researches thermal comfort, interior environments, and climate responsive building design and currently serves as the chair of the USGBC’s Research Committee. Colleague Cris Benton calls Brager a “serious advocate for design” who has bravely challenged standards and conventional wisdom about thermal comfort, including pushing the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) towards an “Adaptive Comfort Model” she has developed with Richard de Dear. She calls sustainable design “the golden rule applied to buildings—do unto others as you would have them do unto you.”

BRAWER, Wendy

Designer Wendy Brawer founded Modern World Design in 1990 to create products and systems that promote ecological stewardship, including the Green Map System for cities all over the world. Of barriers and glass ceilings, Brawer says, “Why dwell on those? It’s better to ask forgiveness than permission. We all can only do so much in a day, but if we say ‘I can’t do that’ then we’re not doing much of anything.”

BROOKNER, Jackie

Eco-artist Jackie Brookner’s “biosculptures” clean water naturally, whether indoors, such as at the offices of the Cloud Institute for Sustainability, or outside at monumental scale. For *Of Earth & Cotton*, an installation involving portraits of the feet of people who had picked cotton in the 1930s, Brookner interviewed people all over the South, trying to understand “what we had lost by not having people working the land directly.”

BROOKS, Angela

Architect Angela Brooks is a principal with Pugh + Scarpa Architects in Santa Monica, California. Brooks founded Livable Places, a non-profit development company dedicated to developing sustainable mixed-use developments on under-utilized land in Los Angeles County. Her graduate thesis, focused on increasing density in existing development, earned *Progressive Architecture* honors for unbuilt work. “One jury member said it was not politically viable to do what I was suggesting,” she recalls. “Twenty years later, I’m actually doing it through Livable Places.”

BROWN, Hillary

Architect Hillary Brown is the founding principal of New Civic Works in New York, a consulting group dedicated to sustainability in public works and the institutional and nonprofit sectors. Previously she worked with the City of New York to establish its first green building program, and she was a key author of the New York City Department of Design and Construction’s high-performance guidelines for buildings and infrastructure. Women have been effective on the government path for a variety of reasons, Brown suggests. “There’s something enabling there. The public sector seems better positioned to benefit from women’s styles of leadership.” What are those styles? “There’s an affinity that women have with sustainability—they’re as interested in the process as the product. But it isn’t about gender—it’s about a sensibility. It’s about empathy with the earth as a living process.”

BROWNING, Bill

Bill Browning founded the Rocky Mountain Institute’s Green Development Services program to promote environmentally responsive real estate development. Recently he founded the consulting firm Browning + Bannon in Washington, D.C. He has co-authored several books on sustainable design and development, including *A Primer on Sustainable Building*, and *Buildings* magazine named him one of five people “making a difference.” Browning has been intimately involved in USGBC, LEED, and AIA over time, and he hopes for “more good green buildings that are also really good architecture.”

BURKE, Carrie Meinberg

Architect and industrial designer Carrie Burke feels design should be both accessible and intimate—“more about experience than form.” Speaking of the need for an understanding of space that is less visual and more visceral, she discourages architects from relying too heavily on two-dimensional drawings. “Floor plans are given such archetypal importance by architects, but they don’t convey the true experience of a place.” Her own house, which she calls “an exploration of how a different awareness of time informs place and experience,” has been featured in *Architectural Record*, *Dwell*, *Residential Architect*, *USA Today*, and *Plenty*.

BUTLER, Karen

After architecture school, Karen Butler spent some time working for firms, but by 1992 she found herself at the Environmental Protection Agency. Today, she manages New Building Design for the EPA’s Energy Start program. She sees big shifts ahead. “I’m not preaching ‘use better mechanical equipment,’ ” she says. “I want to get us off the grid, opening the windows, and using renewables.”

CARROON, Jean

Jean Carroon leads Goody Clancy’s preservation and renovation practice. She is an expert in the design of sustainability and accessibility solutions for historic buildings and directed the restoration of H.H. Richardson’s Trinity Church in Boston, which included the installation of a 1,500-foot-deep geothermal well system. “I see buildings as a continuum,” she says. “They go on. Perhaps this is why people in preservation tend to have a better long term view than others.”

CARTER, Marjora

Fighting a waste facility in her childhood home of the South Bronx opened Majora Carter’s mind to the possibilities of restoring that community. She founded Sustainable South Bronx in 2001. The organization’s Smart Roof Demonstration Project opened in 2005 and several other projects are under way. Carter is a communicator and catalyst. “Getting the story out to the public is part of my job. Language is important.”

CHAREST, Suzanne

Biologist Suzanne Charest is pursuing a master of architecture at the University of British Columbia and was a participant at the biomimicry workshop in Costa Rica in March 2006.

CHILDS, Kirsten

Interior designer Kirsten Childs was trained in Europe, and worked for several firms, including Richard Meier & Partners, before joining Randy Croxton at Croxton Collaborative Architects in 1985. Interior designer and writer Penny Bonda remembers meeting Childs and Croxton in the early 1990s. “They were saying, ‘We don’t do projects that are unhealthy for people.’ It sounds overly simple now, but back then, it was setting a very high bar.” *Metropolis* editor Susan Szenasy calls Kirsten Childs a “pathfinder.” Childs is torn about focusing on the accomplishments of women. “Women have had a greater role in sustainable design than in ‘high end design,’” she says. “And there is a very distinct line between being recognized as a great designer versus a great woman designer. I have avoided that, but I think the time has come to deal with it.”

CLANTON, Nancy

Influential lighting engineer and designer Nancy Clanton runs her own firm in Boulder, Colorado, and teaches at the University of Colorado there. She is on the board of the International Association of Lighting Designers and the International Dark Sky Association, as well as the advisory committee of *Environmental Building News*. She says that sustainable design has been overly politicized. “We need to move sustainability out of the political realm so that it will make sense for everyone.” She says that engineers, like other professionals, are struggling with sustainability, and even simple ideas about natural ventilation can be controversial. “I was invited to join a professional association committee,” she recalls, “and the chair called me and said that two members had threatened to resign if I joined because I was a proponent of operable windows!”

CLOUD, Jaimie

Jaimie Cloud is the founder and president of the Cloud Institute for Sustainability Education, which focuses on elementary and secondary education in order to “prepare young people for the shift toward a sustainable future” and “ensure the viability of sustainable communities.” Cloud believes that the mental models that most adults are currently using will need to change. “If you believe that the market and technology will take care of everything, you are not reading the right data. If you look at how life actually works on this planet, you draw different conclusions.”

CONROYD, Danielle

Danielle Conroyd works as project manager for campus planning and projects for the Sisters, Servants of the Immaculate Heart of Mary in Monroe, Michigan. She serves on the board of Michigan Interfaith Power & Light, a coalition of faith communities promoting sustainability.

CORTESE, Anthony

Anthony Cortese has been active in sustainability education for years, as founder of Second Nature and a collaborator with Education for Sustainability Western Network. “The status of women in society is critical to creating a healthy, just, and sustainable world,” he says. “Unless you have economic and social and educational equity for women, we’ll never become a peaceful society that can be sustained by the earth. The male attitude is to dominate other people, the earth, and women. That’s been the history of the human race and I don’t think it is healthy.”

COUSINS, Fiona

Mechanical engineer Fiona Cousins works with Arup. Her early interest in thermal performance of buildings led her to sustainable design. She says that diverse points of view are important in her field as in others, and suggests that perceptions of her field steer some women away. “The field is seen as dirty and aggressive, and while it’s not very well paid, it requires a high level of intellectual engagement to do it well.”

CRAMER, Jenifer Seal

Jenifer Seal Cramer helped to found NewCommons Group, a real estate investment management company that manages urban, high-performance, and land conservation-based funds. She earned architecture and environmental design degrees from Ball State University and a master’s degree in Real Estate Development from MIT. She was a co-author of the Rocky Mountain Institute’s *Green Development* and a contributing author to *Biophilic Design and Reforming Architectural Practice*.

CRANZ, Galen

Galen Cranz is a professor of architecture at the University of California-Berkeley and author of *The Chair: Rethinking Culture, Body and Design* and *The Politics of Park Design: A History of Urban Parks in America*. She is the currently principal investigator for the Latrobe Fellowship research collaboration between the Kaiser Permanente Hospitals, Gordon Chong Architects in San Francisco, and the UC-Berkeley’s Department of Architecture to define and develop “evidence-based design” in the context of health care delivery. “Humans have increased the productivity of the earth—in a good way,” she says. “It grows more than it would otherwise. How we do it is the problem. There’s no such thing as waste—there’s only material out of place.”

DEL RANCE, Kim

Intern architect Kim Del Rance works for the Tampa office of the multidisciplinary design firm Gould Evans. She previously worked for City of Augustine, Florida, where she

developed an intertwined philosophy of sustainable design and preservation. “We have so much to learn from the old buildings people love so much,” she says.

DENWORTH, Joanne

Joanne Denworth is a land use and environmental lawyer, who began working in Pennsylvania Governor Ed Rendell’s Office of Policy in 2003 with responsibility for policy issues in state agencies relating to land use. “We look at land use in the broadest sense,” she says. “We wanted to empower municipalities to plan together and implement those plans. This was vital to reduce the crazy patterns that were really a recipe for sprawl.”

DILLON-RIDGLEY, Dianne

“There are no women’s issues. All issues are women’s issues,” says environmental and human rights activist Dianne Dillon-Ridgley. “Women are doing nothing less than redesigning society. We haven’t been part of the structure, so we can see its flaws better. When we get a chance to make change, we can rush right in because we already know all the problems well.” Dillon-Ridgley serves on the board of directors of Interface and Green Mountain Energy Co. She represents the Center for International Environmental Law and the YWCA at United Nations. She served on the U.S. delegation to the Earth Summit in Rio and others. Paul Hawken says of Dillon-Ridgley: “We have a conception of leadership in the world that is about charismatic male vertebrates and that’s our template. Then we project that onto women, saying, ‘she’s great, but he’s the leader.’ Dianne does so much, yet one might not know her name. She doesn’t have the hierarchical role, but she is a real leader.”

DOUGLAS, Kristin Ralff

Christine Ervin calls Kristin Ralff Douglass “a ball of energy” and lauds her early role in the USGBC. Its founder, David Gottfried, who hired her, credits her with pulling off the first summit of that organization. “She has tremendous pluck and many skills. She is comfortable wearing many hats,” he says. “She ran the group in the early years—she kept it alive.” She served as editor/publisher of *Environmental Design + Construction* magazine and today works with the Public Utilities Commission in San Francisco.

EARLEY, Sandra Leibowitz

Architect Sandra Leibowitz Earley runs a green design consultancy. She finds the sustainable design community to be more open and collaborative than some others. “Sustainable design tends to attract people who naturally are open and like to share ideas. Greenbuild attracts 10,000 people because people are eager to share. It’s a very connected community, compared to other professions. I’m sure our conferences are a lot more fun than accounting software conferences.”

ENGLAND, Kim

Kim England studies industrial design at the Ontario College of Art & Design and was a participant at the biomimicry workshop in Costa Rica in March 2006.

ERVIN, Christine

Christine Ervin speaks and writes about clean energy and greening the built environment. She was the first president/CEO of the USGBC. She served as U.S. Assistant Secretary of Energy and before that as director of the innovative Oregon Department of Energy. Today, her consulting focuses on accelerating sustainable market transformation. Christine Ervin: “Early on, I never thought about differences between men and women. I thought that was immaterial—even resented the notion. I was one of the guys and that was perfectly fine. If you are competent, you will succeed. I didn’t even pick up on the fact that I had developed more of the ‘alpha male’ persona that usually went along with the territory! But that changed as I came to appreciate how I was serving as a role model for some women looking to advance. That was eye-opening and humbling. It forced me to start thinking about role models in general—and about different contributions we need in the workplace.”

EIZENBERG, Julie

Julie Eizenberg is a founding principal of Koning Eizenberg Architecture, which has won national competitions for the Chicago Public School Northside, and the Children’s Museum of Pittsburgh, which opened in November 2004 and has won numerous awards. “Kids are really smart,” Eizenberg says. “You don’t design *down* to them. It’s not about simplifying the world—it’s about heightening the experience. This is often missing in institutional settings.” She says they treated sustainable design and universal design elements as integral—not add-on features. “If it looks like you’ve done something because a code required it, then you’ve done it wrong.”

EWING, Alison

Architect Allison Ewing is a principal with Hays + Ewing Studio in Charlottesville, VA. Previously she has worked with the Renzo Piano workshop in Italy, and she is a former design partner with William McDonough + Partners. She has appeared on the cover of *Residential Architect*, and the house she designed with husband and partner Christopher Hays was on the cover of both the *Washington Post* magazine and Jennifer Roberts’ *Good Green Homes*. “I can’t say whether this is true of other women,” she remarks, “but I’ve always thought that the design of a house should consider the community of the family, especially the development of the child.”

FEDRIZZI, Rick

Rick Fedrizzi, founding chair of the USGBC, became its president/CEO in 2004. He had worked at United Technologies Corp. for twenty-five years as an environmental marketing consultant. “The USGBC is the organization it is today because of a wide range of talented men and women. There are flamekeepers, warriors, and builders, and these include Gail Vittori, Penny Bonda, Lynn Simon, Vivian Loftness, and others. The women are a big part of our perspective. And the diversity is growing. The students and young practitioners are much more diverse than the older leaders in the field at this point, and that is very encouraging.”

FLETCHER, Valerie

Valerie Fletcher is the executive director of Adaptive Environments, the internationally recognized nonprofit organization founded in 1978 by Elaine Ostroff. Fletcher oversees universal design projects at all scales and teaches, speaks, and writes extensively on human-centered design. “Knitting together issues—such as universal design and sustainability—is very powerful. It seems self-evident to those of us who are close to the issues, but connecting them yields a sense of wholeness and seems to generate energy.”

FLORA, Rebecca

Executive Director of the Pittsburgh-based Green Building Alliance, Rebecca Flora says she is inspired by past leadership of women in the environment. “Rachel Carson, who stood her ground against powerful forces and scientifically proved her case, inspires me,” she says. “Another inspiration is Teresa Heinz Kerry, a visionary and strong advocate for quality design of the built environment at all levels and for all people. I am driven by my desire to leave behind a cleaner and safer earth for my daughters to inherit—or at least know their mother tried to make a difference.”

FLOYD, Elizabeth

Elizabeth Floyd is a project manager with Sustainable Design consulting in the Washington, D.C. area. A registered architect who as a consultant focuses on integrating multi-disciplinary teams. She feels that women generally seem more comfortable with multi-tasking, versatility, and communication, all of which she calls “essential qualities” for sustainable design.

FRANKLIN, Carol

Carol Franklin was a co-founder of Andropogon Associates, which has been a pioneer of ecological design in the landscape architecture field for thirty years. A finalist for a Cooper-Hewitt National Design Award in 2004, Andropogon has worked on many high-

profile projects, including the Dallas Arboretum and Botanical Gardens and the Atlanta Botanical Garden. According to civil engineer Judy Nitsch, “Carol addresses this issue from 30,000 feet.” According to consultant Bill Browning, Franklin and her colleagues “took Ian McHarg’s work and made it real. They were the first to show that landscape architecture and planning could come from a basis of ecological restoration—and they do it with humor and grace.” Franklin is working on a book called *Paradise Mislaidd*, which documents the social, political, and ecological decisions that have shaped the Wissahickon Valley Corridor.

GANDY, Kim

Kim Gandy was re-elected to her second term as President of the National Organization for Women (NOW) in 2005. “I’d be happy to work myself out a job,” she says. “We work on issues of women’s equality and reproductive rights, but also economic justice and human rights. They are all connected.” Gandy says that many of her colleagues in the women’s movement have a long view that perhaps they share with people working in sustainability. “I want equality for me, but I’m really doing this for my daughters and my granddaughters. Some men also do this, but it is a particularly female focus in many walks of life.”

GANG, Jeanne

Architect Jeanne Gang is a founding principal of Studio Gang, whose work has been featured in the Architectural League of New York’s “Emerging Voices” series and in *Architectural Record* as one of nine design firms to watch. Gang’s Aqua Tower, an eighty-story lakefront high-rise that architecture critic Blair Kamin calls “Chicago’s most sensuous tower,” is said to be the largest commission ever received by a female architect in North America. Kamin says of Gang, “Her work is important for green architects because it layers green into a broader aesthetic.” Gang has said that her work is influenced by the feminist idea of fluid identity. “When we make form, we’re thinking about how we can make the identity fluctuate; it doesn’t have to be one thing all the time.”

GARDNER, Jean

Jean Gardner is a professor of architecture in the Department of Architecture, Interior Design, and Lighting Design at Parsons School of Design, part of the New School. She is author of *Urban Wilderness: Nature in New York City*. She has been labeled “a living treasure,” by *The Utne Reader*. She has developed the Whole Building Matrix using semiotics as a framework for investigating sustainability and architectural intention. Gardner believes that the secret to sustainability lies in our senses. “I think that the separation of touch from sight is one of the most basic reasons that we’re not building sustainably.” She

says that sustainability is much broader than many people realize at this point. “To me, sustainable design is the signs that we are regenerating in the built environment. I love the link between the word ‘design’ and ‘sign.’ We need signs of change!”

GOODMAN, Ann

“Sustainability is an ideal that helps you get up in the morning,” says Ann Goodman. “For me it brings together many intellectual pursuits and personal passions. I saw many businesswomen who wanted that, too, and that spurred the idea of the Women’s Network for a Sustainable Future.” She is executive director of the group in New York, which helps businesswomen exchange best practices on the convergent issues of corporate social responsibility and sustainable development.

GOTTFRIED, David

David Gottfried founded the USGBC and the World Green Building Council. “Women have a huge role to play—a much bigger role than they’ve played in the past,” he says. “Men have screwed up this planet. Not just through design. Wars are a male thing. Most of the bad stuff is based on the male ego. There are gender differences. Women are more holistic, communicative, and nurturing. The women I’ve worked with bring to the table new modalities of work and new ways to think about integration.”

GUENTHER, Robin

Robin Guenther is the founding principal of Guenther5 Architects, an expert in healthcare design, and a co-author of the influential *Green Guide for Healthcare Construction*. “Robin Guenther is an architect with very definite ideas about design, healthcare and sustainability,” writes Penny Bonda, “Big picture thinking—looking beyond the conventions of standard healthcare facility planning—has established Guenther5 Architects as a different kind of design firm and has led to amazing achievements.” Guenther was the first architect to receive the Center for Health Design’s Changemaker award, and *Interiors & Sources* called her a “champion of the environment.” Says Guenther, “Years ago, I felt that I knew how to design buildings, but not how to make change. Advocacy allowed me to make more change and enriches my mission as a designer. It’s all about asking questions differently. For example, why wouldn’t we vet materials against a human and environmental health standard?”

GUZOWSKI, Mary

University of Minnesota professor Mary Guzowski works with the Center for Sustainable Building Research to explore how sustainability and ecological literacy could change both the content and the methods of teaching and learning. About her 1999 book *Daylighting for Sustainable Design*, author/architect Malcolm Wells wrote: “Mary Guzowski is showing

us the way back to an appropriate, balanced, and beautiful world.” She says that “a love of seasons and place” drew her to architecture, but originally a senior professor discouraged her from focusing on “environmental stuff” because, he said, it would never get her tenure. “I decided not to follow his advice and listen to my instinct.”

HAMMER, Chris

Chris Hammer is the principal of Sustainable Design Resources, a research and consulting firm in San Francisco. She publishes GreenClips, a web-based newsletter that distributes environmental information in the design industry. Formerly with HOK, she helped create its sustainable design research initiatives. “I want to share information,” she says. “Maybe I was a librarian in another life.”

HARDEN, Susan Jackson

Planner and urban designer Susan Jackson Harden works with RBF Consulting in California and is on the faculty of the Neighborworks Training Institute. She recently co-authored *Place-Making on a Budget*. Her work focuses on downtown and neighborhood revitalization efforts through innovative public participation.

HAWKEN, Paul

Paul Hawken is an environmentalist, entrepreneur, and author. His 1993 book, *The Ecology of Commerce*, steered many of today’s leaders toward sustainability, and his *Natural Capitalism* (2000), written with Amory Lovins and Hunter Lovins, is one of the most influential books in the literature of sustainable design. His next book, tentatively entitled *Blessed Unrest*, considers the history of the environmental, social justice, and indigenous movements, which he labels collectively as “the movement that doesn’t know it’s a movement.” He says that women have been instrumental in this field, though they have not always gotten the credit they deserve. “Women have been overlooked on many levels.”

HAYDEN, Dolores

Dolores Hayden, an urban historian, architect, and professor at Yale University, is the author of several award-winning books, including *A Field Guide to Sprawl*, a “devil’s dictionary” of bad building patterns. *The Power of Place: Urban Landscapes as Public History* offered a new kind of architectural history by exploring urban memory through public art and preservation in ethnic communities in downtown Los Angeles. An expert on the relationships between gender and architectural space, Hayden has authored many articles and books on the topic, including *Redesigning the American Dream: Gender, Housing, Work, and Family Life*. She explains simply, “I’m interested in how people occupy neighborhoods together.”

HAZLETT, Maril

Environmental historian and artist Maril Hazlett runs the John Talleur Print Studio, the only community print shop in Kansas. Her dissertation, “River Arteries, Human Veins: *Silent Spring* and the Ecological Turn in American Health,” included a look at reactions to *Silent Spring* and Rachel Carson at the time of its publication. One finding that surprised Hazlett was that not a lot had changed. “In 1962, public health warnings were that one in four people would have cancer in their lifetime. Now it is one in three. I would have expected that the alarm regarding the cancer case frequency would have produced significant policy changes regarding chemicals and human health.”

HELGESEN, Sally

Influential business writer Sally Helgesen authored the bestselling *The Female Advantage: Women’s Ways of Leadership*, the first book to focus on what women can contribute to organizations rather than on how they should adapt to business as usual. Among her other books is *The Web of Inclusion: A New Architecture for Building Great Organizations*, which the *Wall Street Journal* called one of the best books on leadership of all time. Articles about her work have been featured in *Fortune*, *Business Week*, and *Fast Company*, and she has appeared on hundreds of radio and television programs. “What can we learn from women?” she asks. “Today there is so much despair about what development can mean—that no development can not be horrible. We’re desperate for new models. What we’ve seen as women become more involved in communities is alternative ways of relating to one another.”

HERDT, Julee

Julee Herdt is a professor of architecture at the University of Colorado-Boulder and directed that school’s entries into the 2002 and 2005 Solar Decathlon design/build competition in Washington, D.C.—both of which earned top honors. Her research is focused on bio-based materials and recycled products.

HEERWAGEN, Judith

Environmental psychologist Judith Heerwagen studies the human factors of design, biophilic design, and “workplace ecology” and currently runs a consulting and research firm in Seattle. Previously she was a staff scientist at the Pacific Northwest National Laboratory and a research faculty member at the University of Washington College of Architecture and Urban Planning. Looking to history, she notes, “Men and women had different subsistence roles. Men were the technology makers. Within sustainable design, there is an emphasis on technology, which is traditionally a male focus. But the very need for sustainable design has been caused by over-reliance on technology.” She believes that

too often anecdotal evidence and the emotional side of human response are left out of the equation. “We don’t always need to quantify everything,” she suggests. “We need to listen to our bodies and minds—we know when a building makes us feel uncomfortable or unwell.”

HENDERSON, Holley

Holley Henderson runs H2 Ecodesign, a sustainable design consulting firm. Previously she was a director of creative design at Interface, and prior to that she practiced interior design with Atlanta firm TVS. She was the first LEED 2.0 Accredited Interior Designer in the state of Georgia, as well as managing LEED AP for the Interface Showroom and Offices—the first (and currently only) LEED–CI Platinum Level Project. Currently, she is the chair of the LEED-CI committee of the USGBC. “For me, sustainability is the ability to sleep at night,” she says. “That’s the bottom line.” She says the key to change is raising awareness, and that requires clear illustrations of the impact of design. For example? “In a single year, the wasted carpet from one manufacturer—the stuff that doesn’t get installed on floors—can fill four and half Empire State Buildings. The sheer magnitude of that was an epiphany for me.”

HESCHONG, Lisa

Architect and researcher Lisa Heschong is a principal of Heschong Mahone Group, which has conducted groundbreaking studies on the effects of daylight on human performance. She wrote *Thermal Delight in Architecture* (1979), a book that many people in the field refer to as influential in their early understanding of human comfort and architecture. Calling herself an “ardent feminist,” Heschong says, “It’s important for girls to have women heroes, so the more we can make of them, the better.” On the other hand, she is unsure about behavioral differences between the sexes. “Whether sustainability means something different for men versus women may be counterproductive to ask.” In her firm’s daylighting studies, they looked at the impact of many variables, including gender. “There were significant differences between the responses of boys and girls or men and women. Do I find that interesting? Not really. There’s a population of humans. Some of them have dark hair, some of them have light hair, and we have to provide for all of them.”

HOFFMAN, Leslie

Leslie Hoffman, executive director of the Earth Pledge Foundation, has an architecture degree. Before coming to the foundation, she worked as a carpenter and green builder. Since 1990, she has run a small organic coffee farm in Hawaii. “I function from a strategy of hope,” she says.

JAMES, Janine

Janine James' firm, The Moderns, was one of the first graphic design companies to adopt sustainability. Chemist Michael Braungart calls James "one of the smartest in the field." She designed *Cradle to Cradle*, the book Braungart wrote with William McDonough, and she actually introduced them to Charlie Melcher of Melcher Media, which produced the book's innovative synthetic paper. On the cover, the word "to" looks exactly like a mirror of Venus, the traditional symbol for women. "I didn't realize that until a year and a half after finishing the book," she recalls. "It's ironic, but it was totally unconscious. Call it my own little Da Vinci code."

JOHANSON, Patricia

After training as an artist, Patricia Johanson went to architecture school, where her ideas about the everyday, inspired by Jane Jacobs, were unpopular. "Opting for the everyday takes you out of the aesthetic dialogue of design schools of all stripes," she says. "I switched over from worrying about my place in history to worrying about how to make the world a better place. We are all human beings first, before we are designers." For the past twenty years, Johanson has been creating large-scale public earth art projects, such as Fair Park in Dallas; she is currently working on a project for the water treatment facility in Petaluma, California.

KAROLIDES, Alexis

Architect Alexis Karolides is a research consultant with the Rocky Mountain Institute. She says she's torn about gender questions. "I'm very concerned about my own children—what food they eat, what air they breathe. But I was an environmentalist long before I was a mother. I don't know that the two are necessarily tied to each other."

KERR, Laurie

Architect Laurie Kerr works for the City of New York Department of Design and Construction, which is an ideal place for her to indulge her fascination in the intersection between urbanism, preservation, and sustainability. "I've really enjoyed getting to know these buildings," she says.

KIISK, Linda

Architect and educator Linda Kiisk has studied the influence of gender on design and construction and promoted the value of diversity to this industry. "The differences we are sensing between one another are actually signs of an ongoing transformation in consciousness," she writes. "Over time, men and women of all races will come to understand the value of establishing a diverse set of connections because the modern, more

conscious human has the capacity to literally ‘see’ how to design integrative environments. The positive message for humankind is that these newly evolved visualization styles will naturally foster a more sustainable future for all inhabitants of the planet.”

KOKO, Sigi

After working at HOK, Sigi Koko founded Down to Earth, a sustainable design consulting firm. She focuses on natural building and her projects have been featured on HGTV and in magazines. “I think natural building techniques can have the effect of evening the playing field,” she says. “It is so easy to learn some of these ideas and apply them in construction. This simplicity takes away barriers. To me, this speaks to the social side of sustainability.”

LAVALLE, Joyce

Joyce LaValle, senior vice president of human resources for Interface, is part of an oft-told story. Her daughter recommended that she read Paul Hawken’s *The Ecology of Commerce* and pass it along to Interface CEO Ray Anderson. That began what LaValle recalls as an intense period of learning for many people at the company, and the beginning of its transformation toward sustainability. She helped Ann Goodman found the Women’s Network for a Sustainable Future as a support to women in business. “We need more human thinking,” LaValle says. “I think that many women recognize that the technology challenge is not the biggest challenge ahead—it’s the human challenge.”

LAZARUS, Mary Ann

Architect Mary Ann Lazarus is a senior vice president with HOK and acts as its firm-wide director of sustainable design. With Sandra Mendler and Bill Odell, she co-authored the second edition of the *HOK Guidebook to Sustainable Design*. Lazarus also currently serves as program chair for the USGBC’s Greenbuild conference. She earned her undergraduate degree from Mount Holyoke, a woman’s college. “This was the time of Vietnam and the ERA,” she says. “We thought equal pay was really on the horizon for women within a few years!” Today, she feels lucky because, she says, “I get to do what I care about *every day*.”

LEE, Joyce

Architect Joyce Lee is chief architect with the City of New York’s Office of Management and Budget. The city has recently adopted a law spelling out sustainability requirements for city-funded projects. “The mainstreaming of sustainable design is gratifying,” she says. “I hope my work has helped in that direction. In some sense, I think mainstreaming helps to allow professional women to be at their best without having to choose between missions of home and work.”

LEE, Kaiulani

Actress Kaiulani Lee portrays Rachel Carson in a one-woman stage play she wrote after years of research and interviews with Carson's friends, family, and colleagues. The *Pittsburgh Post Gazette* calls Lee's performance "something rare and almost spiritual. She merges herself with Carson's spirit."

LESNIEWSKI, Laura

Architect Laura Lesniewski is a principal at BNIM Architects in Kansas City, where she has worked on some of the firm's most advanced sustainable design projects. She sees prosperity as the biggest hindrance to sustainability. "We have not figured out how to handle prosperity wisely," she says. As for gender balance in architecture, she says that 'the boys' club is still pervasive. I hope that is going away. I tend to rely on myself to go into a room knowing my stuff; then people will listen."

LINDSEY, Gail

Design Harmony founder Gail Lindsey is an architect whose work in recent years has focused more on consulting, training, and facilitation. She got her undergraduate architecture degree at Georgia Institute of Technology, one of few women in the program at the time. Her university studies were interrupted by a brain aneurism that required long hospital stays, giving her a lot of time to think about how she wanted to use her education. "Early on, I recognized that I have a different perspective," she says. Bob Berkebile of BNIM Architects first worked with Lindsey when she helped develop the AIA Committee on the Environment Top Ten program. "She comes at this from a spiritual point of view and delivers a lot of energy," he says. According to Nadav Malin of BuildingGreen, on whose board of advisors Lindsey serves, "Gail is an incredibly smart, integrated thinker. She never accepts that two things are not connected. Whenever there is an either/or choice, Gail finds ways to put everything together—with both ideas and people. She believes that everyone will achieve together and benefit mutually. Gail embodies the virtues of collaboration."

LOFTNESS, Vivian

Vivian Loftness is a researcher, author, and educator who focuses on environmental design and sustainability, advanced building systems and systems integration, climate and regionalism in architecture, as well as design for human comfort and performance. She was dean of the School of Architecture at Carnegie Mellon University for ten years and teaches there today. She is a key contributor to the development of the Intelligent Workplace, a laboratory of commercial building innovations for performance. She has served on National Academy of Science panels, as well as being a member of the Academy's Board on

Infrastructure and the Constructed Environment. She works on the board of directors of the USGBC, Turner Construction, DOE's Federal Energy Management Advisory Council (FEMAC), and was 2005 chair of the AIA Committee on the Environment. Rick Fedrizzi of the USGBC calls her "the professor we all wanted to have." Environmental psychologist Judith Heerwagen says that Loftness is "a bridger—she knows the technology, but she really knows the human side, too."

LOGAN, Corina

Corina Logan was a biology instructor for the Biomimicry Guild's workshop for designers in Costa Rica in 2005 and 2006.

LOVINS, L. Hunter

Attorney Hunter Lovins runs Natural Capitalism, Inc., a consulting company through which she advises cities and companies about sustainability. She founded the Rocky Mountain Institute (RMI) in 1982 with Amory Lovins. She served as a Commissioner in the State of the World Forum's Commission on Globalization, co-chaired by Mikhail Gorbachev and Jane Goodall. Lovins has co-authored nine books and dozens of papers and is currently Professor of Business at Presidio School of Management in the first accredited MBA program in Sustainable Management. According to consultant Bill Browning, Lovins brought the social perspective to RMI. "If you read Amory's writing before Hunter's involvement," he says, "it's very technical. Her contribution was to humanize it—she understands that there are social implications to technology." Bioneers founder Nina Simons says, "Hunter can translate from one side of the brain to the other. She can share complex theories and ideas in a way that anyone can follow." USGBC founder David Gottfried says of Lovins, "She understands the corporate mentality, and she's a great teacher. She's a powerhouse."

LYONS, Susan

In the early 1990s, Susan Lyons was the creative director at Designtex, the commercial textile manufacturer. "I had an intuitive sense that the company's footprint was less than ideal," she says. "We knew we could make a better product." With that goal in mind, she commissioned William McDonough and Michael Braungart to develop the Climatex Lifecycle series, the first-ever compostable fabric. "We didn't have a traditional business plan. If we had, we might not have succeeded. We weren't willing to compromise." She realizes now that her son was born around the same time she began thinking more about the environment. "When you become a mother, you begin reading labels. You become much more concerned about what your kid is ingesting."

MALONE, Nancy

Architect Nancy Malone works with Siegel & Strain Architects in Emeryville, California. She has noticed a great deal of change in the last few years. “There is still a lack of understanding about integrative design,” she says. “Many firms know they’ve got to get on board, but they are not there yet in terms of understanding what can be achieved and the means to that.”

MATHIESSEN, Lisa

Architect Lisa Mathiessen is director of sustainable design at Davis Langdon, a cost planning firm, where she has been studying the cost implications of sustainable design and the use of rating systems such as LEED. “Perhaps because sustainability is still somewhat of a ‘margin’ activity is why there are many women involved,” she says. “Women are more likely to pursue ‘alternative’ professions; whereas men are more apt to be in and dominate mainstream professions.”

MAXMAN, Susan

Architect Susan Maxman was the first female president of the AIA in 1993 and made sustainable design the focus of the convention that year. She has run Susan Maxman Partners since 1980. She is a nationally recognized expert on sustainable design, and her projects have earned recognition for design and sustainability from many organizations. Her work with the Girl Scouts and other organizations has been a model of inspired collaboration between architects and clients. According to the USGBC’s Rick Fedrizzi, Maxman has motivated him and many in the field. “In the early 1990s, Susan was speaking a language that I wasn’t hearing from my male peers at that point. Men talk about things in terms of bits and bytes, science and clinical awareness. Susan was making connections between the science and human factors. To me she represents the notion that women often have a much more global perspective through their work—they can see the future in a different way.”

MAYTUM, Marsha

Architect Marsha Maytum is a principal with Leddy Maytum Stacy Architects in San Francisco. She learned design as linked to environmental issues while at the University of Oregon and has practiced in that way since the founding of her firm. Current work on the Ed Roberts Campus exemplifies the links between sustainability and universal design. “It is part of sustainability to be thinking about how to provide control and comfort for a range of people who will populate any given space,” she says.

MCCLINTOCK, Maurya

Maurya McClintock leads the Façade Engineering group in Arup's San Francisco office and is assisting in the development of the Sustainability Consulting group focusing on buildings. With a combined background in structural engineering, mechanical engineering and architecture, she has a broad understanding of the impacts façade systems can have on energy use, natural ventilation, daylight penetration and thermal and visual comfort in buildings. "I think a lot of people are struggling with what sustainability is and how to document and show it," she says. "There is a real need to tell the story in a way that will capture people's imaginations."

MCCLINTOCK, Moira

Architect Moira McClintock founded Ford 3 Architects with two partners after working in New York and becoming the first female associate at a large firm there. She sees the profession's specialization as working against sustainability. "If you are doing hospitals all over the country, you may not be open to regional differences." She and her partners are dedicated to working in their region. "This is about knowing a place well. We think that's the best way to do the best work."

MCDONALD, Margot

Margot McDonald is a professor of architecture at Cal Poly-San Luis Obispo and co-director of the Renewable Energy Institute. She helped create Cal Poly's award-winning Sustainable Environments program and was a key author of the Sustainable Environmental Design Education (SEDE) project, which produced a groundbreaking model curriculum for sustainable design education. "It's not just design that needs to change," she says. "On a fundamental level, the way we think about design needs to change."

MCDONOUGH, William

William McDonough is the founding principal of William McDonough + Partners, Architecture and Community Design, and co-founder of McDonough Braungart Design Chemistry, a product design and consulting firm. With Michael Braungart, he is co-author of *Cradle to Cradle: Remaking the Way We Make Things* (2002), widely considered a landmark book on sustainable design. McDonough says that some of his most important clients, including Teresa Heinz Kerry and Susan Lyons, have been women. "There's a whole way of looking at the world that cannot be ignored."

MCENTEE, Christine

Christine McEntee became the executive vice president/CEO of the AIA in 2006; she is the first woman to hold the position in the AIA's 149-year history. She previously served

as CEO of the American College of Cardiology, and before earning her MBA she trained and worked as a nurse.

MCINTIRE, Donna

Donna McIntire is the U.S. Department of State's point-of-contact for sustainability. Trained as an architect, she has worked with William McDonough + Partners and with the SmithGroup, where she played a significant role on the Chesapeake Bay Foundation, the first project ever certified with a LEED Platinum rating from the USGBC. "I'm a facilitator," she says of her nature. "Bringing in the right people is the most important thing. Get them talking to each other."

MENDLER, Sandy

Architect Sandra Mendler is a design principal with HOK and a leader of its sustainable design initiatives. She has served on the board of directors of the USGBC and as the chair for the AIA's Committee on the Environment. With Bill Odell, she co-authored the *HOK Guidebook to Sustainable Design*, now in its second edition. Consultant Bill Browning praises her for her role in HOK's work. "HOK has been a real leader and has shared information openly. The *Guidebook* was a huge body of research, organized with great clarity. At a time when the AIA had moved away from this kind of research, HOK stepped up, and Sandy was an important part of that." Odell offers, "fifteen years ago, you were likely to be laughed out of the room when you talked about sustainability, so it took a thick skin to persevere. Sandy is unflappable."

MURRAY, Martha Jane

Architect Martha Jane Murray has been active in USGBC efforts in the Arkansas region, including the Greenbuild charrettes for rebuilding New Orleans. "My epiphany came when I realized that professionally we have always been so anxious to have a job that we might not question the ethics behind a project. Suddenly, I couldn't live or work the old way anymore." She says that being a mother has made her "aggressive" about these issues. "Parents, and especially women, understand the potential impacts on their kids. The public health side of this compels me every day."

NEAL, Mary Helen

Mary Helen Neal studied architecture at Alabama's Auburn University and participated in the Biomimicry Workshop in Costa Rica in spring 2006.

NETTLETON, Sarah

Architect Sarah Nettleton spent childhood summers at a non-electrified house reachable

by boat. “My father called it ‘studied inconvenience,’” she says. “It made me appreciate the value and richness of being unplugged.” She founded her own firm in 1997, after she tired of “chipping away and always hearing, ‘there’s no money in the budget for that.’ Having my own firm allows me to be purer in the philosophy.” For her, that philosophy describes “a circular, not linear path. It requires a longer time horizon than our culture is used to.” She designed the Tofte Cabin, which won an AIA Committee on the Environment Top Ten Green Projects award in 2002.

OAKEY, David

Designer David Oakey of Pond Studios led the design team that created Entropy, one of Interface’s best-selling lines. According to Interface’s Joyce LaValle, Entropy has been a sensation. “It was David’s intense personality and dedication to learning that really allowed this breakthrough,” she says. Patterns and diversity in nature inspired it, he says: “There is no question in my mind that if you designed spaces with a non-monoculture framework, those would be more beautiful to us, and maybe better for us, too. This is the future.”

PAGANI, Freda

Freda Pagani recently retired from the Campus Sustainability Office at the University of British Columbia. Earlier, Pagani was responsible for the campus’s first green building, the C.K. Choi Building. Bob Berkebile facilitated a workshop for that project, and sings Pagani’s praises. “Pagani took a totally different approach to hiring and working with architects and other consultants,” he says. Pagani recalls that that team had women in many roles—architect, structural engineer, owner’s representative. Her inspiration for the project came after a period of re-examination. “I realized that I could live my values in my job by making this project meaningful and as sustainable as I could.”

PARK, Sharon

Sharon Park is the senior historical architect for the Heritage Preservation Services Division of the National Park Service. Her leadership has been critical to the success of green restoration projects at the Presidio in San Francisco.

PATKAU, Patricia

Patricia Patkau is a principal with the Vancouver-based Patkau Architects, the firm she founded in 1978 with husband John. The firm is known for its sensitive but ambitious place-based design. “I’ve always resisted the term ‘green,’” she says, “whether it’s in design or politics. Architects who call themselves ‘green’ define their practice under that single issue, and it’s not sufficient. Architecture is broader and richer than that. It relates to

sustainability, to politics, to art, to everything. It seems foolish to me to reduce it. While the discipline should take this on, it should also not diminish the discipline in doing so.”

REED, Bill

Architect Bill Reed, of Natural Logic, is exploring regenerative design at a deep level, and he believes that design and human endeavor generally are evolving toward a deep unity and wholeness. This idea, he says, is something that many women understand more readily than men. “I consider it a compliment that someone suggests I’m drawing on feminine sensibilities,” he says. “That suggests to me that maybe I’m getting a grasp of what it means to be whole. We need a new consciousness, spirit, and meaning in the design process.”

REID, Nellie

Designer Nellie Reid is the regional leader of Gensler’s sustainable design task force and the first LEED-accredited professional among the firm’s nearly 3,000 employees worldwide. *Interiors and Sources* selected Reid as one of the “25 Environmental Champions for 2004.” She says that her age affects her environmental views as much as her gender does. “The younger generation of architects and engineers, those under thirty-five, has been raised with this awareness—we talked about recycling in grade school. It’s integral to everything we do. Older people seem more comfortable with business as usual.”

RIDER, Traci Rose

Traci Rose Rider earned her master’s degree from Cornell University in early 2006 and is currently a Ph.D. student and lecturer at North Carolina State University in Raleigh. Her work as past chair and founding member of the Emerging Green Builders (EGB) Committee of the USGBC has earned her a USGBC leadership award, prompted *Dwell* to tap her as a “Nice Modernist,” and landed her in the pages of *Vanity Fair*. “EGB isn’t just engineers, architects, and contractors talking to each other,” she says. “We have MBAs, developers, biologists, chemists, and food people involved, too. Diversity is key.”

ROSE, Patty

Patty Rose is the executive director of GreenHOME, a Washington-based non-profit that promotes environmentally responsible affordable housing. “Strong storytelling skills are essential to moving your audience to making at least one new choice,” she says. “We need a new version of *The Fountainhead*—one that redefines a contemporary Howard Roark as part of an interdisciplinary, collaborative, design team that contributes to designing sustainably.”

ROBERTS, Jennifer

Jennifer Roberts writes books and articles about sustainable design. Her most recent book is *Good Green Kitchens*. “With my work, I’m trying to make the links between health and design more real to a large audience. There is really important work going on, such as the studies of human comfort and performance by Lisa Hescong, that needs to be translated to the public.”

ROBINOWITZ, Beth

Beth Robinowitz is pursuing an M.B.A. at Columbia University and does strategic consulting with the Biomimicry Guild in Montana.

RODGERSON, Susan

Susan Rodgeron is an artist, teacher, and the executive/artistic director of Artists for Humanity, a nonprofit organization in Boston that prepares young people for professions in the arts. The project is now a recognized leader in youth arts and operates from the EpiCenter, the city’s first LEED Platinum-certified building. According to Damon Butler, who was fourteen when he became one of three founding members: “Artists for Humanity gave me a voice when no one else would give me a thought.”

ROMERO, Rocio

Missouri-based architect Rocio Romero has gotten attention in recent years for her highly compact prefab houses. “I’ve always been fascinated by how you make something really affordable,” she says. “A lot of designers in school sit in a room and fantasize without any constraints. I wanted to do something more based in reality.”

ROSENTHAL, Joyce

Joyce Rosenthal fell in love with interdisciplinary research while studying for a joint degree in environmental health and urban planning at Columbia University; she’s now pursuing a Ph.D. and researching urban environmental and health issues. Before going back to school, she worked for Greenpeace in the U.S. and Germany (she introduced the chemist Michael Braungart to architect William McDonough), with the influential biologist Barry Commoner, and in a variety of activist and advocacy roles.

ROWE, Mary

Mary Rowe is the senior urban fellow with the Blue Moon Fund, a charitable foundation based in Charlottesville, Virginia. She lives in Toronto, Ontario, where for eight years she coordinated Ideas That Matter, a convening and publishing organization based on the work of Jane Jacobs, whom she came to know well. The focus of her work with the Blue

Moon Fund is to identify and communicate holistic processes that support the creation of sustained communities and human settlements. “We use words like *nurturing*—feminine words imply an agrarian sensibility. There’s the notion of *husbandry*. I sometimes talk about how you *midwife* an idea.” Of this book’s topic, she confesses, “I probably wouldn’t pick up a book about women and sustainability. That being said, anecdotally, does Western culture somehow support a linear, controlled thinking that predominantly occurs in men?”

RUBIO, Elva

Architect Elva Rubio is a principal and design director at the Chicago office of Gensler, one of the world’s largest architecture firms. She teaches at the Illinois Institute of Technology and the University of Illinois-Chicago and encourages her students and colleagues to draw inspiration from nature. “I was raised in the South and lived around nature. It is part of your life down there. I’ve always been an ocean girl; I love palm trees and tropical environments. But I was never a Patagonia kind of girl. I loved Pucci and Halston but appreciated nature.”

RUDDICK, Margie

Landscape architect Margie Ruddick considers natural systems as the starting point for design. She worked with Judith Heintz before running her own firm and then joining WRT, where she works today. Asked to name a current favorite project by someone else, Ruddick mentions the Ecotrust parking lot in Portland, Oregon. “It is a beautiful garden. But what’s best is that you don’t notice it. I love projects that don’t call out that they are *design*, but that are something you would really love to experience every day.”

RYAN, Janet

Janet Ryan is a clinical pastoral educator and since 2000 has served on the leadership council of Sisters, Servants of the Immaculate Heart of Mary in Monroe, Michigan. “All will thrive,” she says, “if we do it together. As citizens of the earth, we will be diminished, if we continue to act out of individualism.”

SALISBURY, Jill

Interior designer Jill Salisbury founded el: Environmental Language to create products and furniture that are both beautiful and respectful of the environment. “To me, the essence of sustainability is respect. Respect for nature and the well-being of people. It’s about being mindful of what you’re doing and how that’s going to impact everyone else around you.”

SANGUINETTI, Jennifer

Jennifer Sanguinetti is a mechanical engineer with the consulting firm Stantec, which recently acquired KEEN Engineering, where Sanguinetti led the Concepts Group. She seeks low-tech solutions for her sustainable designs, preferring to keep the design simpler with more natural systems. She comes from a family of engineers and went to an all-girls school that stressed the opportunities for women in male-dominated careers. She was attracted to sustainability issues within engineering. “It really gave my work purpose. This has been a big driver for me, because it makes the buildings much more meaningful than a nifty system or widget. Buildings have an impact on the environment, but they are fundamentally about people.”

SAUER, Leslie

Leslie Sauer, a founder emeritus of Andropogon Associates, is a pioneer in the field of restoring and managing native landscapes. She is an advocate for the use of native plants and has developed a number of innovative strategies for establishing native habitats. She is consulting on the Bowman’s Hill Wildflower Preserve Plant Stewardship Index (PSI) to evaluate the Piedmont plant communities of the Delaware Valley region in Pennsylvania and New Jersey. The PSI is intended as an assessment tool to gauge the biological integrity of a site. The idea that has driven her work is not just to push native plants, but to look at what she calls “the whole site.” This can be challenging for Americans, she says, because we generally do not feel native to our own land. “Andropogon has hired lots of foreigners,” she says, “because people outside the U.S. have been thinking about this for years. Foreigners seem to view themselves as citizens of the world.”

SCHOPF, Anne

Partner and director of design at Mahlum Architects, architect Anne Schopf has led teams on many award winning projects. She has taught at the University of Washington and frequently speaks at conferences about sustainable design. “We are in a very male business,” she says. “Until recently, I kept my femaleness away from the workplace. But I’m coming to understand that bringing that side of myself to the work can be a strength. Focusing on spirit and joy can help motivate people, but it’s still difficult to tiptoe into a ‘feminine’ way of talking.”

SCHWENNSEN, Kate

Architect and educator Kate Schwennsen is dean of the School of Design at Iowa State University. She was President of the AIA in 2006—only the second woman to hold the post. “For years I refused to think of myself as a woman architect,” she says. “But

I have come to believe that being a woman architect means I need to accept additional responsibilities. We may have a greater sense of a moral imperative and may be more willing to address that in our work. Maybe women are more concerned about future generations. That's what sustainability is."

SIEGAL, Jennifer

Architect Jennifer Siegal's prefab work was initially inspired by the sense of community she saw in trailer parks and in Bedouin communities in the Middle East. She founded Los Angeles-based Office of Mobile Design to focus on "portable, demountable, and relocatable structures." She strives for an aesthetic that is strong but not loud. "I think a building should have a quietness about it—it becomes the background of your life. Someone like Frank Gehry is important to my generation, but I don't want to emulate him. I want to create something more serene."

SIMON, Lynn

Lynn Simon has run her own consulting firm in San Francisco, Lynn Simon Associates, since 1994. "She was one of the first in the country to do green consulting," says USGBC founder David Gottfried, who had earlier hired Simon to help him in the USGBC's early years. Simon worked with architect Marsha Maytum's team on the Thoreau Center for Sustainability at the Presidio in the early 1990s, which was a benchmark project for materials research and sustainable design melding with preservation. "Lynn is a good spokesperson," Gottfried says. "I think she has influenced lots of people."

SIMONS, Nina

Nina Simons is co-executive director of Collective Heritage Institute and has been co-producer of the Bioneers Conference since 1990. Previously, she was director of regional marketing for Odwalla, Inc., where she implemented a community-based and mission-driven marketing plan. *Utne Reader* named her a visionary in 1996. In 2002, she produced a retreat for diverse women leaders called UnReasonable Women for the Earth, to consider the possibilities of a women's movement with environment at its center. She believes that many of the unsustainable aspects of contemporary society are rooted in unproductive patterns. "We have a tendency to factionalize—to create false separations between people and ideas. We need to get past this, and part of that involves working toward balance between the feminine and the masculine." Simons says humanity's challenged relationship with the natural world is a product of cultural bias. "There are some deep similarities between how we have treated the earth, women, and people of color."

SMITH, Sylvia

Architect Sylvia Smith directs FXFowle Architects' educational and cultural studio. She was the managing principal on the greening of the Lion House for the Wildlife Conservation Society at the Bronx Zoo, one of the zoo's original Beaux Arts buildings and a New York City landmark. "We are trying to start the conversation early," she says. "We are talking to our clients about right-sizing. This includes looking for ways to use time and space in new ways."

SNOONIAN, Deborah

Writer Deborah Snoonian was trained as an engineer and she brings that perspective to her work covering sustainable design and eco-friendly living. For five years she was a senior editor of *Architectural Record*, where she covered design, green building, and technology, and helped conceive *GreenSource*, McGraw-Hill's magazine for the sustainable design community. Snoonian says that most architecture magazines don't really understand green design or how to cover it. "The magazines are very image-driven. Photographs rule, and it's difficult to portray sustainability in a photograph. So it isn't seen as sexy. When you try to illustrate green strategies through charts and diagrams, people's eyes glaze over." Now managing editor at *Plenty*, a lifestyle magazine, she writes about eco-friendly homes and design and appears regularly on TV and radio to discuss environmental issues.

SNOW, Julie

Architect Julie Snow runs her own firm in Minneapolis and engages sustainability as a part of the design process. "An idea will evolve out of one system and create a dialogue with another," she says of that process, which can be complex. Light is a big driver in her work. "In a northern climate, you have to have a profound respect for light, especially since there can be so little of it in winter. That respect shapes the architecture."

SOLOMON, Nancy

Nancy Solomon is an architectural journalist. She has written on architectural technology and practice for many publications including *Architecture* and *Architectural Record*. She served as editor of the AIA's Environmental Resource Guide. She is now editing a book celebrating the AIA's 150th anniversary. She believes that sustainability really comes down to personal choices. "Ultimately, a more sustainable world will be achieved only by the participation of each and every individual at the most personal level of day-to-day living."

SOSNOWCHIK, Katie

Katie Sosnowchik worked at trade magazine publisher L.C. Clark in the 1980s, through which she started *Green@Work* magazine and the EnvironDesign conference. According to Penny Bonda, who recently co-authored *Sustainable Commercial Interiors* with Sosnowchik, “Katie is directly responsible for introducing and promoting green design to thousands of designers.”

STELMACK, Annette

Annette Stelmack is the design director of Denver-based Associates III Interior Design in Denver, Colorado. With Kari Foster and Debbie Hindman, she is co-author of *Sustainable Residential Interior Design and Turning Green: A Guide to Becoming a Green Design Firm*.

STEINGRABER, Sandra

Ecologist, author, and cancer survivor, Sandra Steingraber is an expert on the environmental links to cancer and reproductive health. She is a distinguished visiting scholar at Ithaca College in Ithaca, New York. Her books include *Living Downstream* and *Having Faith: An Ecologist's Journey to Motherhood*. In the former, she writes: “Our bodies, too, are living scrolls of sorts. What is written there—inside the fibers of our cells and chromosomes—is a record of our exposure to environmental contaminants. Like the rings of trees, our tissues are historical documents that can be read by those who know how to decipher the code.” In 1999, the Sierra Club heralded Steingraber as “the new Rachel Carson,” an honor that Steingraber takes seriously. “From the right to know and the duty to inquire flows the obligation to act,” she writes. Environmentalist and author Paul Hawken says that Steingraber’s contribution is vast. “She brilliantly summarizes the research and makes the compelling case for action.”

STEPHENS, Eileen

Eileen Stephens studied mechanical engineering at MIT before earning her MBA from Wharton School of Business. She attended the Biomimicry Guild’s workshop in Costa Rica.

STEPHENSON, Karen

A self-professed “corporate anthropologist,” Karen Stephenson is the president of New York-based NetForm International, which maps and measures social capital in organizations and businesses. She has taught at Harvard’s Graduate School of Design and has worked closely with many designers and architects. “A designer sees the shape of space the same way I see the shape of culture. The challenge with either discipline is to render these things visible. The shape of culture interacts with the shape of space.”

SUSANKA, Sarah

Architect Sarah Susanka is the bestselling author of the *Not So Big House* series, a guide to “building better, not bigger.” In 2000, *Newsweek* selected her as a “top newsmaker” for that year, and in 2001, *Fast Company* named her in their debut list of “Fast 50” innovators. According to the *Washington Post*, Susanka “shows how to downsize the dream house without diminishing the dream.” She says, “It’s not just about sustainability—it’s about making places that inspire people.”

SZENASY, Susan

A recognized authority on design and sustainability, Susan Szenasy is editor-in-chief of *Metropolis*, where she recently started the magazine’s “Next Generation Design Prize” program, which focuses on innovation among young designers. As professor of design ethics at New York’s Parsons School of Design, she works to instill the values of responsible sustainability on the next generation. She is the force behind *Metropolis* events, such as the Tropical Green conference on sustainable building in tropical zones and the International Contemporary Furniture Fair. She says her participation in the women’s movement in the 1960s has given her firm ideas about labeling and segregationist thinking that play into her views on sustainability. “I don’t want to see environmentalism as something separate—that makes it easy for people to dismiss it, or leave it on the margins. Environmentalism is *so* important. We’re talking about life!”

TALKINGTON, Jane

Jane Talkington is pursuing one of the first doctorate degrees in sustainability offered in the U.S.—through the Environmental Science Program at Oklahoma State University. After carrying a child at forty-two, she began to reflect on sustainability in a more personal way. “Once you sustain one life, you want to sustain it all. All life becomes sacred, and that philosophy permeates every action and decision. The opposite of sustaining life is extinction, so the stakes are rather high.”

TALLEN, Emily

As associate professor of urban and regional planning at the University of Illinois, Emily Talen studies the spatial patterns of American cities, investigating accessibility, spatial equity, sprawl and ideal urban form. She says the idea of a “sustainable” community relates to making places that feel like home, but what feels like home varies from person to person, especially by sex. “To my husband, home is refuge,” she says. “To women, home is something else. It’s the whole community.”

TILT, Anni

Architect Anni Tilt runs Arkin/Tilt Architects with her husband, David Arkin. Their work has received design and sustainable design awards, including the AIA Committee on the Environment Top Ten Green Projects award.

TOCKE, Rose

The ebullient Rose Tocke is a biologist and serves as director of community dynamics with the Biomimicry Guild in Montana, focusing on expanding the research and product development capabilities of the organization.

TODD, Joel Ann

Joel Ann Todd is an environmental consultant and vice chair of the USGBC's Technical and Scientific Advisory Committee. She has written widely on materials assessment (for the AIA's *Environmental Resource Guide*), innovative concepts for environmental life cycle assessment (for the *Journal of Life Cycle Assessment* and the U.S. Environmental Protection Agency), and building performance measurement (for the Federal Energy Management Program and the National Renewable Energy Laboratory). She has worked with public sector clients such as the National Park Service and the U.S. Department of Energy, and she co-authored a handbook on charrette facilitation, published by the DOE. Todd says she's more interested in changing minds than she is one-off building projects. "I am really fascinated with how the developing and developed worlds look at this issue differently," she says. "I believe that we can learn a great deal from how the developing world is trying to fit the social into the overall picture."

TUCKER, Mary

Mary Tucker serves as the supervising environmental services specialist for the City of San Jose, California, and manages its green building program. She is a member of the board of directors of the USGBC and past chair of the American Solar Energy Society. She is the proud owner of a 2.6 kW photovoltaic system on her 1909 craftsman bungalow home, a net zero home.

UBBELOHDE, Susan

Susan Ubbelohde is a tenured faculty member of the architecture department at the University of California, Berkeley, and a founding partner of Loisos+Ubbelohde, a design, research and consulting firm in Oakland, CA. The firm focuses on daylighting, energy analysis, and evaluation of building performance and has collaborated with such architects as Herzog + De Meuron, the Renzo Piano Workshop, and William McDonough + Partners. Ubbelohde runs the artificial sky simulator at Berkeley's Building Science Laboratory and she has been director of the Regional Daylighting Center at the University

of Minnesota. She has received the Progressive Architecture Research Award and the Council for International Exchange of Scholars/Fulbright Indo-American Fellowship to support research on buildings' thermal performance in India. "The hardest work in doing good consulting," she says, "is getting the team to ask the right questions. Once you ask the right questions, you can find the right tools to answer those questions."

VITTORI, Gail

Gail Vittori is co-director of the Center for Maximum Potential Building Systems (CMPBS) in Austin, TX. *Metropolis* magazine calls her and her husband, Pliny Fisk, "pioneers of the sustainability movement" who have dedicated their lives to "fostering a more symbiotic relationship between architecture and the natural environment." Vittori also co-authored the influential *Green Guide for Healthcare Construction*. "Women have always played the role of protecting community health and welfare," she says, claiming that this public role naturally expands on the private role of women in the family. "Men generally don't think about what their kids are doing between breakfast and returning home from school," she tells us. "Women do." A former colleague, Greg Jackson, says, "Pliny would shoot off into space if Gail didn't ground him." Alex Wilson of BuildingGreen's *Environmental Building News* concurs. "Pliny is brilliant," he offers, "but it is Gail who is able to give form to the ideas and make them into something that can be implemented." He calls her the Center's "salvation."

WERNER, Jane

Jane Werner is executive director of the Children's Museum of Pittsburgh. "Sometimes you can't afford to do all the right things," she says. "You do what you can do and hope to do more the next time."

WILLIAMS, Kath

Kath Williams, president of the World Green Building Council, consults and speaks widely on sustainability issues. She has been an integral part of the USGBC and has served as the program chair for the Greenbuild conference. Consultant David Gottfried says of Williams, "She has a very broad vision for how to create a really integrated project." Gottfried says her work on the global scale is significant, especially in the developing world. "She is like a goddess in India. No one can work a country like Kath." Says Williams, "Americans are always in a rush. We don't have a strong past. We're such a young country, so we don't have as much of a tradition in architecture to draw on, compared to a place like India. They have so much 'green design' in their history, and culturally they have a better attitude toward the environment. And they move at a slower pace. In the U.S., we expect immediate results. We need a longer time horizon."

WILLIAMS, Lisa

Poet Lisa Williams teaches writing and literature at Centre College in Kentucky and has won the Rome Prize for Literature. She worked closely with William McDonough and Michael Braungart on crafting the language of their book, *Cradle to Cradle* (2002), as well as their earlier *Atlantic Monthly* article, “The Next Industrial Revolution” (1998). The experience awakened her environmental awareness but also transformed her work, she recalls, “I stopped writing poems about myself and starting writing about pre-human phases of the earth’s evolution—the struggle of the earth to create itself. It was an awakening to the creativity of the planet. I wanted readers to see their own connections to the earth.” She thinks of her poetry as “giving voice to the earth.”

WINTER, Catriona Campbell

Catriona Campbell Winter is a project engineer with Clark Construction and promotes the growth of that firm’s high performance building group. She earned her master’s degree in architecture at the University of Virginia and is serving as an adjunct advisory group member to AIA’s Committee on the Environment.

WOODS, Medora

Medora Woods describes herself as a “roving, trouble-making grandmother.” She has been a high school English teacher, a practicing attorney, a bank vice president, a Jungian analyst, and a writer. She spends time each month at her cabin on the North Shore of Lake Superior.

WRIGHT, Tammi

Tammi Wright recently graduated magna cum laude from the architecture program at Cal Poly San Luis Obispo, where she minored in the award-winning Sustainable Environments program.

YEN, Jeannette

Biologist Jeannette Yen is the director of Georgia Tech’s new Center for Biologically Inspired Design. “The term sustainability is new to me. I study organisms; of course, I want them to live! If that is sustainability, then that works for me.”

We are the women who
will transform the world.

ROBIN MORGAN, FROM *A WOMEN'S CREED*

