BIONEERS
VISIONARY SOLUTIONS FOR RESTORING THE EARTH

October 31st – November 2nd 1997
THE PRESIDIO • SAN FRANCISCO, CALIFORNIA
Produced by Collective Heritage Institute and the Circle of Sponsors
Restoring the Earth
As human beings strain the limits of the natural world, we can no longer escape the knowledge that ecological collapse has been the hidden history behind the downfall of many major civilizations. Biology is indeed destiny, as the ultimate fate of our species rests upon our ability to live within the limits of the biological world. Today we are witnessing the widespread collapse of the basic life-support systems upon which all life depends. How do we see about restoring the earth?

Biological Pioneers
Restoring the earth is destined to become a central enterprise of the years ahead, and leading the effort is a growing movement of "bioneers," biological pioneers who are using nature to heal nature. The bioneers bring visionary solutions for virtually all our crucial environmental problems. These working models hold keys to planetary survival which can be refined, replicated and rapidly spread around the world. This optimistic bioneer vision is equipping individuals, groups, communities and companies to act as a primary force in the fabric of restoration.

Improving the Environment by Changing the World
The bioneers are impassioned individuals who offer a positive vision of restoration. They are scientists, architects, educators, artists, spiritual leaders, farmers, gardeners, botanists, economists, entrepreneurs and public servants pointing the way to a restorative way of life through direct action.

The bioneers herald a coming Age of Biology, one in which human beings we weave our lives into a balance with the natural world. The bioneers agree that imitation is the sincerest form of flattery, and they emulate natural systems to fashion benign technologies and just forms of social organization. Above all, they call for us to reconnect with the sanctity of life through the heart of nature.

Visionary Restoration
Since 1990, The Bioneers Conference has brought together leading scientific and social visionaries with practical solutions for restoring the earth. The Bioneers Conference has helped define the biological model and galvanize its many brilliant practitioners into a thriving culture. Their ideas and practices are so original and pragmatic as to uplift the spirit with their extraordinary creativity and ingenuity - to create a future environment of hope.

"The most important work of our time is building a sustainable culture. The Bioneers is a place to find our voice and be renewed."

- Stuart Corran, Whole Earth Review, 1996
Schedule of Events

Friday, October 31

9:00 am – 12:30 pm
Water: Cleopatra's Bathwater
Rufus Chaney, Jennifer Greene, Juliette Major, John Tod,
Peter Warchall, Diane Wilson

Land: Restorative Farming
The Real Green Revolution
Will Allen, Bob Conner, Louis Hira, Penny
Lingeman, Ralph Pige, Joel Salatin

1:45 – 5:30 pm
The Waterness Congress

1:45 – 3:30 pm
Cooperatives and Community Supported Agriculture
Restorative Farming
Growing a Farming Community

3:45 – 5:30 pm
Rotational Grazing
Permaculture
The Restorative Development Initiative
Biodiversity and Medicinal Plants

Saturday, November 1

9:00 am – 12:30 pm
Restoring the Feminine
Alisa Gravin, Elisabet Sahouris, Connie Evans,
Paula Gun Allen, Susan Griffin, Starhawk

Green Medicine
Mark Blumenfeld, Peggy Brevoort, Kari Cook,
Loren Israelson, Dan Kenne, Kathleen Harrison

Corporations and the Environment
Richard Grossman, Jason Clay, Marianne Mantle,
Tonya Gossen Frichner, Jeannette Armstrong, Kenny Ausbel

1:45 – 2:45 pm Plenary
Genetic Engineers or Bioneers?
Andrew Kimbrell, Margaret Mellon

1:45 – 4:45 pm
Restoring the Feminine
Herbal Medicine

3:00 – 4:30 pm
Dismantling Corporate Rule
Ecopsychology
Youth and Environment

4:45 – 6:15 pm
Native American Vision
Entrepreneurship
Natural Pathic Medicine
Environmental Education

8:30 pm
Bioneers Benefit-Pathogenesis and CHI present
An Original Play on the
Life and Work of Rachel Carson
by Kaulani Lee "A Sense of Wonder"

Sunday, November 2

9:30 am – 12:30 pm
Nature and Society
Francisco Alarcon, Carl Anthony, Tom Hayden,
Michael Everson, Melissa Nelson, Julio Vallesol

Natural Design
Smart Cowen, Paul Hawken, Amory Lovins,
William McDonough, Alana Leadbe, Jay Baldwin

Food and Healing
Jeffrey Bland, Paul Lee, Beetz Lydon, John Robbins,
Paul Stamos, Jim Turner

1:45 – 2:45 pm Plenary
The Theft of the Abe: Restoring Biodiversity in Agriculture
John Mohawk, Gary Paul Nabhan

3:00 – 6:45 pm
Post-Modern Indigenous Foods: An Experimental Workshop
Lovett Odner, Leslie McEachern, John Mohawk

4:45 – 6:45 pm
Natural Design: The Big Picture
Natural Design: Nuts and Bolts
Integrative Medicine

3:00 – 6:45 pm
Environmental Justice
Globalization

5:00 – 6:45 pm
Genetic Engineering and Corporate Power
Plant Spirit
Eco-Activism
Business as Usual - Not!

7:00 – 7:30 pm
Closing with Kirsten Wilson
**FRIDAY, OCTOBER 31ST**

**9:00AM-12:30PM** **CONCURRENT PRESENTATIONS**

**WATER: CLEOPATRA'S BATHWATER**
Join the world's leading water wizards to explore the revolutionary science of biological wastewater treatment, where waste becomes food in a closed loop. Natural Treatment Systems outperform chemical/mechanical systems and save money as well as water. Learn about restoring watersheds, and identify ways to stop corporate pollution of this precious and sacred element.

Rufus Chancey, Ph.D. - Senior Research Agronomist for the USDA Agricultural Research Service, he specializes in "phytoremediation," a science which uses plants for removing and inactivating toxins and heavy metals from soils. He is developing pragmatic plant-based strategies for making phyto-remediation financially viable to extract heavy metals from contaminated soils and re-use them.

Jennifer Greene - An eloquent voice on behalf of the spirit of water, the draws from the tradition of Rudolph Steiner and Theodore Schwelenk in creating flowsystems that purify water by emulating natural flow patterns in nature. Her astonishing slide show reveals the hidden energetic patterns of water.

Juliette Major - A dynamic force as Acting Executive Director with the International Rivers Network, she describes the group's successful and inspiring efforts conserving rivers, habitats, and the lands of indigenous peoples threatened by dams and development. She also illustrates watershed protection.

John Todd, Ph.D. - A visionary biologist, he designs "living machines," simulated ecosystems to purify sewage, seepage and dairy wastewater in greenhouses. At the non-profit Ocean Arks International, his "hard of biology" is pushing the leading edge of mimicking natural ecologies to revitalize the health of the world's waters.

Peter Warshall, Ph.D. - A world-renowned water steward, biodiversity and wildlife specialist and research scientist, he has worked on countless conservation and development projects around the world. Most recently, he has been instrumental in protecting isolated "sky mountain" ecosystems in Arizona and New Mexico.

Diane Wilson - A fourth generation fisherman's daughter, she has worked the Gulf of Mexico for forty years and struggled tirelessly for the last ten to stop pollution from petrochemical plants and shrimp farms, demanding "zero discharge." She is famous for sinking her 42-foot shrimp boat on an illegal discharge.

**LAND: RESTORATIVE FARMING THE REAL GREEN REVOLUTION**
These biohivers of restorative farming are showing how to feed ourselves while living lightly on the land. Restorative farming takes the necessary steps beyond "sustainability" methods to "grow" soil, restore water, reintroduce diversity, improve nutrition and revive community economics. And these solutions are edible...

Will Allen - He has initiated some of the first large-scale organic farming projects in the country. Formally Director of the Rural Toxics Program at the California Institute for Rural Studies, he is currently the Director of the Sustainable Cotton Project, pointing the way to the successful expansion of organic farming into the mainstream.

Bob Cannard - A "shaman of soil," he is a master organic gardener and farmer skilled in numerous restorative farming practices. He grows some of the finest, most nourishing food plants anywhere, and has long been a supplier for Chez Panisse and other progressive fine restaurants in the Bay Area.

Louis Hens - From Telqueque Pueblo in New Mexico, he is leading the tribe's efforts to integrate ecological farming with community development. He is helping integrate traditional lifeways with modern farming knowledge.

Penny Livingston - Co-Director of the Permaculture Institute of Northern California, she is integrating human living with natural systems to optimize food production, ecosystem health and develop architectural landscapes according to the principles of permaculture.

Ralph Pege - As Director of the Federation of Southern Cooperative/ Land Assistance Fund, he works with the last remaining 10,000 African-American farmers and an equal number of rural poor throughout the South. He helps family farmers survive by improving economic conditions in low-income communities through self-help cooperative development.

Joel Salatin - A third generation "alternative farmer" from Virginia's Shenandoah Valley, he works the land with his mother, wife and two children. He has innovated an extraordinary system of rotational grazing that produces healthy meats while building as much as an inch of topsoil a year.

**12:30-1:30PM LUNCH**
Friday, October 31st

1:45 - 5:30 PM
The Wateriness Congress
The day’s water wizards jam on global solutions to the water crisis. Bring your questions and projects for an interactive problem-solving session.

1:45 - 3:30 PM
Cooperatives and Community-Supported Agriculture
Ralph Paige and community-supported agriculture pioneer Jared Lawson examine successful models of cooperatives and community-supported agriculture.

Restorative Farming
Bob Cannard shares his perspectives and methods on integrating farming into ecosystem health, while restoring soil, water, nutrition and community.

Growing a Farming Community
Louis Hena and Will Allen explore models which integrate farming with community development.

3:45 - 5:30 PM
Rotational Grazing
Joel Salatia provides in-depth insights on the practices he uses to raise healthy herds while restoring the land.

Permaculture
A participatory workshop with Vint Lawrence of Apache Creek Ranch, a New Mexico permaculture research and education facility, and Penny Livingson. Share practical permaculture concepts and look at how these applications on a wider scale can improve food production and restore local ecologies.

The Restorative Development Initiative
A discussion of a project seeking to create an alternative agricultural economy by linking indigenous, traditional and family farmers with progressive markets and companies, led by Kenny Ausubel, John Mohawk, Republic of Tea founder Bill Roseweig, Sebia Hawkins of CHI, Tonya Gondella Frichner, Esq. and others.

Biodiversity and Medicinal Plants
Practical strategies for conserving medicinal plants with Richard Liebmann, N.D., Executive Director of United Plant Savers, a non-profit organization created by a renowned herbalist, to preserve and restore endangered native medicinal plants.
RESTORING THE FEMININE
Just as ecosystems flourish with diversity, cooperation and interdependence, our society is re-integrating the nature of the feminine and women's full participation to regain a sense of balance. Women around the world are leading inspired and original efforts to restore communities and environmental health. These activists, writers and leaders emphasize the art of relationship, central to all natural systems, and are re-visionsing how we understand the role of the feminine in nature, culture and civilization.

Alisa Gravitz - As President of Co-op America, a national nonprofit dedicated to promoting socially and environmentally responsible businesses, she has helped shape a national agenda and build a community of businesses and individuals with significant potential to affect positive change.

Elisabeth Sahouri, Ph.D. - A biologist, futurist, author and globally active proponent of solutions to environmental and social problems, she bases her models on naturally evolved living systems. Ms. Sahouri's books include Gaia: the Human Journey from Chaos to Co-ness and Earthdance: Living Systems in Evolution.

Connie Evans - Foundry and President of the Women's Self-Employment Project in Chicago, she directs the largest microenterprise program targeting low-income women in the country, which was first to adapt the internationally renowned Bangladesh Grameen Bank model to a U.S. urban setting. Since its inception, WSEP has funded over 1,000 women-run microenterprises, and this model has been successfully replicated over 200 times in the U.S. alone.

Paula Gunn Allen, Ph.D. - A Laguna Pueblo/Sioux Indian, award-winning poet, fiction-writer and essayist, she is an educator and beacon in illuminating the role of women at the center of the tribal universe. Her books, including The Sacred Hoop and Grandmothers of the Light, offer an inspiring vision of indigenous culture that honors the feminine, resulting in increased tolerance for diversity and enhanced opportunity for expression and cooperation.

Susan Griffin - A finalist for the Pulitzer Prize for Nonfiction, her work has been influential in shaping both ecological and social thought. Her books, including Woman and Nature and The Essay of Everyday Life, have consistently expanded our worldview, creating contexts for overcoming cultural alienation and feeling deeply.

Starhawk - The acclaimed author of Dreaming the Dark, Spiral Dance, and the marvelous futuristic novel The Fifth Sacred Thing, this neo-Pagan thinker and social activist illuminates how the rebirth of the feminine encourages the restoration of the earth through building community.

GREEN MEDICINE
Natural medicine, now used by at least a third of people in the U.S. (and far more in the rest of the world), has graduated from a movement to an industry. It relies on natural products from the earth and is intimately tied to culture, agriculture and environmental health. People are awakening to the need for a robust environment, so that healthy ecosystems can continue to supply us with botanical remedies, as they have since the dawn of time.

Mark Blumenthal - Founder of the American Botanical Council, he directs the leading independent U.S. organization promoting plant medicine, and publishes the journal HerbalGram. He shares his aims and droll overview of plant medicine worldwide.

Peggy Brevoort - President of the East Earth Herb Company she is the leading producer in the U.S. of high-quality Chinese medicinal formulations, and an expert on the burgeoning growth of the domestic herbal market.

Kari Cook - A Native American midwife and healer, she works with Native American women in the northern U.S., bringing midwifery and herbology back into their communities.

Loren Israelien, Esq. - This prominent consultant for the herbal industry presents an eagle's eye view of the regulatory landscape and strategies for bringing herbal medicine to mainstream legitimacy.

Dan Kenner - Author of Botanical Medicine: A European Professional Perspective, he is a licensed practitioner of oriental medicine in the U.S. and Japan, and leading expert on the therapeutic use of essential oils.

Kathleen Harrison - An ethnobotanist and artist, she brings a distinctive feminine heartfeltness to the exploration of "plant spirit." She is President of Botanical Dimensions, a nonprofit organization dedicated to the preservation of tropical shamanic and medicinal plants and their rich lore.
CINNABAR NOURISHMENT VANS

CORPORATIONS AND THE ENVIRONMENT
Business and the environment have traditionally been a match made in hell. Are corporations intrinsically harmful to the earth? If we don't transform business, is there any hope of protecting the earth? Can businesses play a positive role? Or should these "Corporados" simply be revoked and dismantled?

Richard Grossman - Founder and Co-Director of the Program on Corporations, Law, and Democracy, he has initiated the growing movement to dismantle destructive corporations through the revocation of their charters. He elaborates on the legal and political tools already in place for enforcing corporate accountability.

Jason Clay, Ph.D. - An innovative architect of new economic strategies to help indigenous people achieve sustainable self-reliance, he pioneered Rainforest Crunch through Cultural Survival Enterprises. He is now seeking to redirect the global commodities market to organic and restorative development through his work at the World Wildlife Fund.

Marianne Manilow - A social justice and environmental activist, she is the co-founder and Executive Director of the Center for Commercial-Indigenous Public Education, widely known for its "UNPLUG" campaign against Channel One. She prepared the current expose of the corporate drive to eliminate and distort environmental education in schools, including the overturning of Arizona's environmental education programs by corporate interests.

Tonya Connella Frichner, Esq. - The Founder and President of the American Indian Law Alliance, and a member of the Onondaga Nation, she addresses crucial issues of intellectual property rights for indigenous peoples.

Jeannette Armstrong - A Native American activist and noted author, she has been instrumental in opposing the Human Genome Diversity Project, also known as the "Vampire Project," which is gathering the genetic materials of indigenous peoples worldwide.

Kenny Ausubel - Founder of the Bioneers Conference, writer and environmental entrepreneur, he shares his research on Jack London, Reincarnation and the Oxcart. He presents an extraordinary saga about how nineteenth-century Robber Barons reinvented corporations while ravaging the environment.

THE GENE RUSH: GENETIC ENGINEERS OR BIONEERS?
If you liked nuclear energy, you'll love genetic engineering. Genetic engineering represents the ultimate logic of reductionist science and the commodification of life. Is life no more than a collection of genes to be moved around like checkers? What are the implications for the sovereignty of people and other living beings? What do we really know about the effects of genetic manipulation? Are we facing a wave of unprecedented biological pollution? Given the dynamic nature of ecosystems, what are the risks to the living treasure of biodiversity?

Andrew Kimbrell, Esq. - Founder and Executive Director of the International Center for Technology Assessment (ICTA) and the editor of The Human Body Shop: The Engineering and Marketing of Life, he has been, along with Vandana Shiva and Jeremy Rifkin, one of the leading critics of genetic manipulation and the commodification of life.

Margaret Mellon J.D., Ph.D. - A highly respected scientist with the Union of Concerned Scientists, she is on the forefront of exposing the dangers of genetic engineering in agriculture. She reveals the state-of-the-art knowledge on what is being done now by the "gene jockeys" in farmers' fields, and what we can do about it.

RESTORING THE FEMININE
An interactive discussion on restoring the feminine with Paula Gunn Allen, activist and associate producer of Bioneers Claire Greensfelder, artist/activist Mayumi Oda, conference co-producer Nina Simons and Starhawk.

HERBAL MEDICINE
A panel and group discussion on plant medicine with Peggy Brevoort, Mark Blumenthal, Kazu Cook and LorenIsrael.
**Saturday, November 1st**

**3:00-4:30PM Action Groups**

**Dismantling Corporate Rule**
Richard Grossman leads a participatory workshop on dismantling corporate rule and restoring democracy.

**Eco-Psychology**
After a presentation by Professor Theodore Roszak, the profoundly influential author of *The Making of a Counterculture* and *The Voice of the Earth*, Melissa Nelson, and teacher, writer, wilderness guide and native habitat restorer Renée Soule will lead an interactive discussion.

**Youth and Environment**
William Buck, Ocean Robbins, and Sol Solomon of Youth for Environmental Sanity (YES) facilitate a lively, diverse panel of youth activists who are “kicking it” to save the planet – with Grace Wicks Schlosser, co-founder of the Philadelphia Student Union and Rainy Blue Cloud, of Exercise Your Opposition.

**4:45-6:15PM Action Groups**

**Native American Vision**
Tonya Gonnella Frichner, John Mohawk, Jeannette Armstrong and others share their visions of the re-indigenization of the earth.

**Entrepreneurship**
A panel and discussion with Bill Rosenwaike, founder of Republic of Tea, and other mission-driven entrepreneurs who are bringing environmental values to business. With Aubrey Organics, Blue Fish and Earthrise.

**Naturopathic Medicine**
A unique view into the “leading-edge of nineteenth century medicine.” Naturopathic physicians integrate European natural medicine and plant knowledge with the healing practices of Native peoples and achieve some of the most sophisticated and effective healing modalities yet discovered. With renowned naturopaths, Drs. Andrew Rubman, Ed Alstar and Frances Brinkman.

**Environmental Education**
How do we bring environmental education into schools and engender biological literacy essential for future generations? A discussion with Marianne Mantilov, Susan Goodman, campaign director of Earthsave’s Healthy People, Healthy Planet program to promote healthy school lunches, and Doug Mason, a photographer/activist whose MayaQuest book and cybersite are creating learning around the world about indigenous knowledge.

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**Saturday Night**

8:30PM

**Bioneers Benefit — Produced by CHI with Support from Patagonia**

**“A Sense of Wonder” with Kauilani Lee**

“A Sense of Wonder” is a remarkable original one-woman play that has garnered rave reviews around the country. It is based on the life and work of Rachel Carson, the woman scientist who has been called “the patron saint of the environmental movement.” Miss Carson profoundly affected the world’s recognition of the dangers of chemical pollution with the publication of her book *Silent Spring*. *A Sense of Wonder* has been created with the help and guidance of many of Miss Carson’s friends and colleagues and with permission from the Rachel Carson Estate. (Separate Admission)
NATURE AND SOCIETY
What would a nature-based society look like? How do we get there from here? Some leading social visionaries offer their insights ranging from working models of ecological communities to restoring a cultural renewal.

Francisco Alarcón - A Mariano poet and author of Sobre Perú, he is a passionate explorer of the soul of the Americas. He uses the magical power of language to revive the ancient knowledge of Meso-American cultures.

Carl Anthony - One of the nation’s most prominent environmental activists, Executive Director of Earth Island Institute, he has championed innovative models of environmental justice for poor communities and people of color.

Tom Hayden - The former California State Senator, he has a long history of political activism on behalf of the environment. He is the author of the seminal book The Last Gospel of Earth.

Michael Evenson - A long-time Northern California environmental activist and community organizer, he is also a sustainable timber operator, woodworker, and woodland farmer active in habitat restoration. With the Marpole Watershed Alliance and other groups, he has been instrumental in bringing together communities, environmentalists, loggers, and ranchers in sustainable management strategies.

Melissa Nelson - Executive Director of The Cultural Conservancy and Board Member of the Earth Island Institute, she has been at the forefront of the eco-psychology movement. Of mixed French and Ojibwe ancestry, she brings a unique perspective to the connections between personal and environmental health.

Julio Valladolid - A member of PRATEC, the Andean Peasant Technology Project in Peru, he is a trained agronomist and professor of Plant Genetics who has extensively studied important traditional Andean crops and cultivation methods which are proving of profound value. A rare insight into ancient spiritual technologies for restorative farming.

NATURAL DESIGN
Today the field of natural design is penetrating the very core processes of biology to learn the intricate and surprising design secrets of the natural world. Spider webs can be stronger than steel and more durable than nylon. Join these pioneers of natural design for an optimistic vision of redesigning society.

Stuart Cowan, Ph.D. - Moderator for this section, he works with Sustainable Design Systems, an innovative firm integrating economics and ecology into planning and design. He is co-author of Ecological Design with Sim Van Der Ryn.

Paul Hawken - The influential entrepreneur and author of the seminal The Ecology of Commerce looks deeply into how natural design can obviate the massive environmental and social destruction wrought by industrial society. He is co-author with Amory Lovins of the forthcoming book, Natural Capitalism.

Amory Lovins - Co-founder of the pioneering ecological “think tank,” the Rocky Mountain Institute, energy guru and standup physicist, he has developed principles of energy conservation and sustainable design now adopted by industries and nations around the world.

William McDonough - Perhaps the foremost U.S. architect using ecological design principles he is revolutionizing industrial design and construction to eliminate polluting at the source. He is Dean of the School of Architecture at the University of Virginia, and is developing a PBS series on ecological design.

Aless Probst - She serves as Director of Ecotrust in Portland, Oregon, protecting North America’s coastal temperate rainforest through conservation-based economic initiatives. She has helped communities, states and regions develop important substitution programs which enhance the self-reliance and diversity of local economies.

Jay Baldwin - The eminent soft technology muse, former technology editor of The Whole Earth Catalog and Whole Earth Review, and author of Buckeye for, reveals the many paths to sustainability through design.
SUNDAY, NOVEMBER 2ND
9:30AM-12:30PM CONTINUED

FOOD AND HEALING
The link between diet and health is increasingly well documented, but what is the leading edge of such research? What part can "nutraceuticals" play in medicinal meals? What about the "life force" factor in plants that are raised with sophisticated and sensitive farming practices? Conversely, what health effects do synthetic and bioengineered foods have? Join these advanced practitioners and explorers to learn about the future of foods for healing as well as health.

Jeffrey Iland, Ph.D. - Founder and CEO of HealthComm, Inc., he is one of the foremost authorities on biochemistry, nutrition and health, and an educator of health professionals. He addresses the burgeoning field of nutraceuticals, diverse natural products for health promotion.

Paul Lee, Ph.D. - This philosopher, author and herbalist will peer into the controversial topic of vitalism or "life force" in foods. He is the environmentalist who brought the legendary gardener Alan Chadwick to U.C. Santa Cruz in 1966, leading to the creation of the respected U.C.S.C. Agro-Ecology program.

Betsy Lydus - National Outreach Director of Mothers and Others, the consumer advocacy group which she has brought innovative grassroots programs into local communities promoting organic farming by educating mothers and organizing initiatives to motivate supermarket to offer organic products.

John Robbins - An eloquent voice on behalf of alternative medicine and a plant-based diet, he is the author of the best-selling Diet for a New America and Reclaiming Our Health, an in-depth exploration of effective complementary healing practices.

Paul Stamets - Author of The Mushroom Cultivator, the standard of the field, and founder of Fungi Perfecti, a mail-order, "mycotechnology" firm supplying state-of-the-art cultures and equipment to mushroom cultivators worldwide. He is the messenger of the fungus among us. His extraordinary slide show reveals that we may be more guests of the fungus on planet Earth.

Jim Turner, Esq. - A provocative attorney extensively involved with natural producers and organic farming. He recently appeared on "60 Minutes" revealing the dangerous facts about aspartame. He presents a jointing repot of the dangers of such synthetic and bioengineered foods and contrasts them with the positive alternative of natural foods.

THEFT OF THE ARK: RESTORING BIODIVERSITY IN AGRICULTURE
The ark of the world’s seeds is the Earth’s living treasure, the collective heritage of life. The gene rush that is underway by corporations around the world today amounts to nothing less than the theft of the ark. These seeds contain the fingerprints of the countless farmers and gardeners who have imprinted them with their traditional cultivation methods and their prayers. Restoring biodiversity in agriculture is a task of the first importance, hinging on the preservation of cultural as well as biological diversity.

John Mohawk, Ph.D. - An Iroquois farmer, author, and Professor of American Studies, he is working with the Restorative Development Initiative to re-introduce traditional indigenous foods and plants. He recently held a "tasting" in the Iroquois Nation using traditional Iroquois white corn in dishes from appetizers to desserts, in tandem with Angelica Kitchen restaurant in New York City. His storytelling serves up the rich liof food, land and spirit.

Gary Paul Nabhan - A prominent biologist who recently alerted the nation to the impending pollination crisis, especially the rapid loss of wild bee species. He has worked through Native Seed/SEARCH to conserve Native American seed stocks in the Southwest. Author of the classic Enduring Seeds, he has also helped preserve traditional farming methods with the Traditional Native American Farming Association.

POST-MODERN NEO-TRIBAL RE-INDIGENOUS FOODS: AN EXPERIENTIAL WORKSHOP
Acclaimed Native American chef Loretha Oden, John Mohawk and Leslie McEachern of Angelica Kitchen restaurant, prepare a post-modern re-indigenous meal, and share ideas about the relationships among food, culture, and farming. Limited enrollment. (You must pre-register for this workshop — no on-site registration)
SUNDAY, NOVEMBER 2ND

1:45–4:45PM ACTION GROUPS

NATURAL DESIGN PANELS
We are offering two concurrent design panels to encourage smaller, more interactive
events in this popular section.

NATURAL DESIGN: THE BIG PICTURE
With Paul Hawken, Amory Lovins and William McDonough in a special joint appearance.

NATURAL DESIGN: NUTS AND BOLTS
Sponsored by Whole Earth Review Jay Baldwin, Stuart Cowan, Alana Probst and
others lead us in a practical exploration of soft-tech.

INTEGRATIVE MEDICINE
Join with these leading-edge practitioners and proponents of holistic medicine to
glimpse the medicine of the future. Nutraceuticals, botanicals, essential oils and spirit...
with Jeffrey Bland, Paul Lee, Dan Kenner, Arya Nielsen, a practitioner of oriental
medicine that's patient centered, and John Robbins.

3:00–4:45PM ACTION GROUPS

ENVIRONMENTAL JUSTICE
Carl Anthony and Arnoldo Garcia discuss bioregional metropolitan strategies for creating
environmentally just, sustainable communities.

GLOBALIZATION
Victor Menotti of the International Forum on Globalization and Jay Harris of Mother
Jones lead a discussion of alternative economic models to transnational corporate glob-
alization. With others to be announced.

5:00–6:45PM ACTION GROUPS

GENETIC ENGINEERING AND CORPORATE POWER
How do people address the alarming advent of corporatized genetic engineering? Why
aren't these products labeled? Can patent-free zones be created? With Andrew Kimbrel,
Margaret Mellon, Jeannette Armstrong and Jim Turner.

PLANT SPIRIT
An enlightening panel on shamanic plants with Kathleen Harrison, Paul Stamets, Jane
Straight, owner of Allies (formerly ...of the jungle), a plantwoman extraordinaires, and
pots/herbans Dale Pendell, author of the remarkable Pharmako/Poeia: Plant Powers,
Poisons and Herbs, and the companion volume Pharmako/Gnosis.

ECO-ACTIVISM
A panel and discussion with front-line activists including Phil Klaszy of Bay Area
Nuclear (BAN) Waste Coalition, Claire Greensfelder of INOCHI Diane Wilson,
Michael Evison and Randy Hayes of Rainforest Action Network. Moderated by Marc
Kasky, Executive Director of Fort Mason Center.

BUSINESS AS USUAL - NOT!
A panel and discussion with leaders of mission-driven companies on creating a double-
bottom line for companies which make profits while also serving social and environ-
mental goals. With Fritz, Owalla and others.

7:00–7:30PM CLOSING

KIRSTEN WILSON
A highly provocative performance artist, she creates another original piece for the Bioneers. As Ms. Magazine reported:
“...Wilson has you where the wants you — by the brain, the funny bone, and the throat.”
The Collective Heritage Institute (CHI) conducts education and research in the areas of biodiversity, ecological farming practices, and environmental restoration. Founded in 1990, CHI projects include the annual Bioneers Conference and the Restorative Development Initiative. The collective heritage of the cultural and genetic diversity of the earth is the living treasure of the world, and CHI seeks to cultivate both a material and spiritual basis for its ongoing conservation. Educating the public and the media to such solutions is essential for promoting positive change.

The CHI mission encompasses solution-oriented education and research:

- Promoting understanding of the human–nature relationship and enhancing a cultural and spiritual connection with nature.
- Disseminating environmental solutions, using the media, conferences, and communications to educate the public.
- Developing restorative economic strategies for agriculture, environmental restoration and community self-reliance.
- Preserving biological and cultural diversity, spreading restorative agriculture and traditional and native farming practices.

The Bioneers Conference
This annual event in San Francisco brings together leading scientific and social visionaries who have developed practical solutions for restoring the earth. Founded in 1990, the Bioneers Conference has helped to define the biological model and galvanize its many brilliant practitioners into a cohesive culture. Diverse “action groups” assemble yearly to develop and promote solutions on biodiversity, bioremediation, “eco-nomics,” and restorative farming, among other areas. The Bioneers is widely regarded as a preeminent environmental conference and its culture is spreading rapidly with a book, Restoring the Earth: Visionary Solutions from the Bioneers by Kenny Ausbel (H.J. Kramer, fall, 1997), an internet web site, www.bioneers.org and a national radio series in development. The Bioneers is supported by a consortium of mission-driven companies, foundation and private grants and registration fees.

Restorative Development Initiative
An economic development initiative begun in January 1996, the RDI is a direct response to the requests of Native American communities to help expand the Native Scholar Program with market connections for value-added products. The program expanded to integrate family farmers at large, including African-American farmers and others. Advising the Program is the Council on Restorative Development (CORD), including Native leaders Oren Lyons, John Mohawk and Tonya Gonnella Frichner, Esq. CHI is acting as an agent helping diverse family farmers connect directly with progressive markets including companies with commitments to organic farming and family farms. The program seeks to help strengthen decentralized, community-based agriculture centered on “foodsheds” and restorative farming practices. The goal is to create an alternative agricultural economy founded in positive ecological and social principles.

The Native Scholar Program, precursor to RDI, was founded in 1990. The program has supported the development and proliferation of family and community farms among Native Americans providing instructional, technical, and research support. Indigenous farmers shared their practices and knowledge with Scholars, who brought the information back to their communities. The program has been staffed mainly by Native Americans.

Tax-Exempt Status
The Collective Heritage Institute is incorporated in the State of New Mexico as a nonprofit corporation. The IRS has authorized federal tax-exempt status as a 501(c)(3) organization to CHI. Gifts and contributions made to CHI are tax-deductible under provisions of the IRS code.
**Further Information**

**Contacting Us:**
Write: Bioneers Conference, 826 Camino de Monte Rey, Building A6, Santa Fe, New Mexico 87505
Phone: (505) 986-0366
Fax: (505) 986-1644
Email: chief@aol.com

**Changes:** Although all listed speakers are confirmed, the program is subject to change without notice.

**Cancellation and Refund Policy:** For cancellations received before August 18, 1997, a $30 processing fee will be deducted. For cancellations received between August 19 and October 1, 1997, a $50 processing fee will be deducted. There are no refunds for cancellations received after October 1, 1997. Refunds will not be available until November, 1997.

**Lunch:** There are restaurants and cafes near and at the conference site. A list will be available at the registration desk.

**Travel and Lodging:** Discounts on airfares, hotels and car rentals are available through Wings Travel at 1-800-264-9464, ask for Dawn. You must state that you are participating in the Bioneers Conference to qualify for group rates. October is a very busy month in San Francisco, so be sure to make your reservations early.

**Bay Area Information:** Call the San Francisco Convention and Visitor Information Bureau @ (415) 391-2000 at least five weeks prior to your arrival date to request a visitor's guide with maps and hotel listings.

**Website:** Visit the Bioneers website at [www.bioneers.org](http://www.bioneers.org)

**Bioneers Books:** Kenzy Aasbøe's inspiring book, *Restoring the Earth: Visionary Solutions from the Bioneers* will be available in bookstores in August.

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**Bioneers Conference Registration Form**
**October 31, November 1 & 2, 1997**

**Registration Instructions:**
1. Complete all sections of registration form.
2. Please print or type all information.
3. Use photocopies for additional registrants.
4. Registration fees must accompany your registration form in order for us to process your registration.

**Name**

**Affiliation**

**Address**

**City/State/Zip**

**Daytime Phone**

**Fax**

**Email**

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**Four Easy Ways to Register:**

- To register by PHONE: Call your completed registration form and credit card information to (505) 986-0366.
- To register by FAX: Fax your completed registration form and credit card information to (505) 986-1644.
- To register by EMAIL: List your completed registration form and credit card information to chief@aol.com.
- To register by MAIL: Return your completed registration form with payment to: Bioneers Conference, 826 Camino de Monte Rey, Building A6, Santa Fe, New Mexico 87505.

- **YES!** Register me now for the 1997 BIONEERS CONFERENCE.
- I want to support the efforts of the BIONEERS CONFERENCE and the COLLECTIVE HERITAGE INSTITUTE with a tax-deductible donation. **$100** **$50** **$25** **other:**
- I can't register now, but put me on your mailing list.
- Please send me further information on Continuing Education credit.

**Please turn over and complete reverse side.**
PAYMENT (check choice of payment):

☐ Check enclosed (payable to the Collective Heritage Institute, or CHI)
☐ Please bill me: ☐ VISA  ☐ MASTERCARD
(an additional $5 will be added for each credit card use)
Card#: ___________________________  Exp. date: ____________________

Name (as it appears on card): ___________________________________________

Agency Name (if corporate card): _________________________________________

Cardholder Signature: _________________________________________________

Address of cardholder (if different): _______________________________________

EARLY BIRD REGISTRATION RECEIVED BY AUGUST 18, 1997:

☐ Three days $195  ☐ Two days: $140  ☐ One Day: $75

Dates attending: ______________________________________________________

REGULAR REGISTRATION RECEIVED BETWEEN AUGUST 19 AND OCTOBER 13, 1997:

☐ Three days $230  ☐ Two days: $160  ☐ One Day: $85

Dates attending: ______________________________________________________

ON-SITE REGISTRATION, AFTER OCTOBER 13, 1997:

☐ Three days $275  ☐ Two days: $180  ☐ One Day: $100

Dates attending: ______________________________________________________

Please allow four weeks for your confirmation.

Registrations received after October 13, 1997 will be processed and confirmed on site.

BE SURE TO KEEP A RECORD OF YOUR REGISTRATION.

MORE KEY INFORMATION:

Work Exchange: A limited number of work exchange positions are available. Preference is given to students, senior citizens and people from low income or minority communities. To apply, fill out the registration form and send it with a brief letter describing your involvement with your community, the skills you can offer the Bioneers Conference and the amount you can pay towards the registration fee. Please respond by mail, fax or email only. Applications must be received by September 15, 1997. You will receive confirmation by mail. Allow four weeks for reply.

Activity Scholarships: Organizations may apply for a partial fee reduction to enable a staff member or key volunteer to attend the Bioneers Conference. Preference is given to groups formed by minority or low income communities and activist organizations with small budgets. To apply, fill out the registration form and send it with a brief description of the organization, constituency served, the representative who will attend and the amount the organization can pay towards the registration fee. Please respond by mail, fax or email only. Applications must be received by September 15, 1997. You will receive confirmation by mail. Allow four weeks for reply.

Continuing Education: Credit pending through San Francisco State University. Cost: $50/credit.

Future Bioneers: If you have a suggestion for 1998 Bioneers speakers, please write and give as much information as you can about their work including a mailing or email address. We appreciate your input and are always open to suggestions.

The cover page image is the pattern formed by an object moving through water, photographed by bioneer Jennifer Greene of the Water Research Institute of Blue Hill in Maine.
**The Bioneers Staff**

Co-Produced by Kenny Ausubel and Nina Simons

Kenny Ausubel is the founder of the Bioneers Conference and Collective Heritage Institute as well as its Co-Executive Director. He is the author of Seeds of Change: The Living Treasure, and the forthcoming Restoring the Earth: Visionary Solutions from the Bioneers (H.J. Gramer, 1997). He co-founded Seeds of Change, a leading organic seed company, bringing "hybridized biodiversity" to gardens, and acted as its CEO for over five years. He produced the award-winning film *History: How Healing Becomes A Crime* and is presently developing feature film properties including *History* through Inner Star Productions. He serves on the Board of Odwalla. He was named to the Utne Reader's 1996 "Visionaries" list.

Nina Simons is the Co-Producer of the Bioneers Conference and Co-Executive Director of CHI. Known for her innovative marketing techniques, she develops networks for communications through shared values. In her current position as Director of Regional Marketing for Odwalla, she brings together diverse communities to communicate the company's key messages about nourishment and environment. She coordinated the national media campaign for Odwalla's book, *Seeds of Change: The Living Treasure*, breaking the publisher's record with over 200 media events. She was formerly President and Director of Marketing of Seeds of Change. Helping the company achieve an emerging national brand name in a rapid four years. She was named to the Utne Reader's 1996 "Visionaries" list.

**Associate Producers:**

Maggi Banner is a Hopi/Tewa from First Mesa, Arizona, who serves as Outreach Coordinator to Native Farmers for the Restorative Development Initiative, and previously worked with the Native Scholar Program as Director of Documentation. She has worked on film and video projects documenting Native peoples and their cultures since 1983. She co-founded Minitex Productions and co-produced and directed *Hopi Prayer for Peace*, a documentary hand-delivered to the United Nations by Hopi elders.

Claire Greensfelder worked for 15 years as an environmental educator and youth wilderness leader until the Three Mile Island accident of 1979 called her to work to ban nuclear power, and promote renewable energy and environmental justice. She has served as campaign consultant to about 50 environmental and peace organizations.

J.P. Harpignies has worked for several years as Associate Producer of the Bioneers, and collaborated with Kenny Ausubel as principal researcher for Ausubel's book *Restoring the Earth*. He formerly acted as Program Director for the New York Open Center. He is the author of *Double Helix Hubris*, about genetic engineering, and a contributing editor to "Lapiz" magazine.

Sheila Hawkins is Director of Development of the Collective Heritage Institute, the nonprofit organization which produces the Bioneers Conference and Restorative Development Initiative. She was a coordinator of Greenpeace International's Pacific Campaign from 1986 to 1994 and of the Greenpeace U.S. Disarmament Campaign for two years previously. She has extensive experience with multi-cultural political organizing.

Suzanne Jamison is a management consultant who has worked with nonprofit organizations in New Mexico since 1971. She has worked as an associate producer with the Bioneers Conference since its inception, and previously worked on other projects with Kenny Ausubel and Nina Simons including *History: How Healing Becomes A Crime* and *Seeds of Change*.

Hollie Lucas is Program Coordinator of the Collective Heritage Institute, and the Family Farms Coordinator for the Restorative Development Initiative. She previously served for three years as National Program Coordinator for NARAL (National Abortion and Reproductive Rights Action League), the political arm of the pro-choice movement in Washington D.C. Her family, Pavich Family Farms, has been involved in organic farming in California for 30 years.

With aching gratitude to our Conference Angels: Chris Shea, Barbara Whitestone, Alaine O'Reilly, Resonate Hadlett, Marin County Farmer's Market.

Program Design by Diane Rigoli
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