We stand at a critical moment in Earth's history, a time when humanity must choose its future. As the world becomes increasingly interdependent and fragile, the future at once holds great peril and great promise. To move forward we must recognize that in the midst of a magnificent diversity of cultures and life forms we are one human family and one Earth community with a common destiny. We must join together to bring forth a sustainable global society founded on respect for nature, universal human rights, economic justice, and a culture of peace. Towards this end, it is imperative that we, the peoples of Earth, declare our responsibility to one another, to the greater community of life, and to future generations. *From the Preamble to the Earth Charter*

The world has changed greatly in the weeks since the group of us began this collaborative writing. Our topic, the emergence of "living economies"--social and economic systems that are sustainable, equitable and cooperative--has become even more relevant and urgent.

Our basic message is this: Humanity, in developing its world in ways which threaten its own survival, is repeating a process experienced many times in nature over billions of years. The only way out of its mess, as been consistently demonstrated in nature, is for a species or life form to break through to unprecedented (and beforehand impossible to perceive) levels of cooperation. We are writing to offer the our best thinking on how the socially responsible business community, along with its allies in the non-profit sector and vast aligned public, can undertake some promising cooperative initiatives which might serve as seeds and anchors of a new sustainable system.

Each of us is either a member of Social Venture Network, or plenary speaker at the SVN conference in October 2001. We have each felt called to address some aspect of the theme of living economies in our work and efforts to promote ecological sustainability and social justice. Recognizing that our individual areas of focus and specialty are complementary, we have collaborated on this joint communication about the opportunities and necessities we see. Through this writing, we seek to model the very kinds of cooperation between individuals, communities and organizations--large and small across the world--that we see reflected almost universally in nature and which we believe are essential for survival and fulfillment among living beings.

Our purpose is to offer a broad foundation for understanding and working through this unique moment in history. We emphasize that that the very issues before humanity today--how to cooperate as individuals, cultures, nations, regions and globally--as a species, with other humans, with other life forms, and with the Earth herself--are issues that early life forms, such as bacteria and cells, struggled with during the billions of years which bring us to this present moment. Indeed, throughout Earth's history, life has faced environmental and economic crises, often the by-product of "progress" in evolution. In response to these challenges, life evolved into new

forms and discovered ways of cooperating, creating ever more complex and collaborative living systems.

In the last century, and particularly in the past few decades, unprecedented technological development has allowed humanity, through organizations of human creation, from governments to transnational corporations, to affect the entire world and all life within it. Amidst great progress on so many fronts, the majority of the six billion people alive today are suffering from dire poverty and/or environmental and related health challenges, while every system essential to supporting life on the planet--ozone, air, rivers, oceans, topsoil, etc.--is in serious decline.

Each of us, through our daily individual and corporate financial transactions, albeit blindly or reluctantly, contributes to processes which further stress this system and fuel its devastating ecological and social impacts. While millions of concerned individuals, civic organizations and socially responsible businesses are making commitments to operate in more sustainable and just manners, they (meaning "we") continue to operate within and reinforce the very system we seek to change. Twenty years ago, it took vision and leadership from pioneers within our community to innovate such then bold ideas as socially responsible business. In spite of devastating global social and economic trends, we've accomplished a lot: There are now socially responsible businesses in practically every field of production, service and exchange. Yet we believe that the socially responsible business community, along with its natural allies in the non-profit sector and the vast sympathetic public, have reached the limits of what they can achieve by operating principally within a system geared to generate profit for the few at the expense of the larger world. In "living economies," goods and services will continue to be produced, distributed and utilized worldwide, but that which is produced--and how it is produced--must fit into more cooperative systems that emulate nature's cycles in which everything that is eliminated finds a new use, and every form and creature has its place. We believe the time has arrived where this evolutionary step is not only necessary but possible. As leading thinkers, doers and entrepreneurs, the moment has arrived for us to innovate new forms of cooperation that are themselves the seeds of more sustainable and just life-affirming systems.

Significantly, we know that in nature, individuation and competition, within and between species, are important driving forces for progress toward mature cooperation. Thus, we do not seek to end all competition, but rather to foster a dynamic balance between competition and cooperation within a higher order framework that is fundamentally cooperative. As we present below, inspiring examples in evolution and in nature today abound. They serve not only as relevant precedents for the shifts the human species--beginning with the individual and local community--must make, but as models for the forms in which the new human alignments can and must occur. Indeed, in our current, unbalanced and largely uncooperative systems, we waste not only physical resources, but human lives, including the compromised spirits of those at every rung of the current economic ladder. The upside, then, is not just survival, but opportunities for fulfillment only attainable when the Earth's body, and polity, are in good health.

While we place tremendous emphasis on biological history and on models that occur in nature, we underscore that science and empirical analysis neither explain nor give context to the mysteries of existence or the spiritual quests behind the forces which motivate life. Beyond all of

the words, thoughts and proposals which follow, we recognize that the choice for humanity is a leap that is more intuitive than anything that will be known, controlled or even explained in the terms of the system that itself is the subject of change. Perhaps our greatest task is to intelligently choose trust and love over fear; following a direction many of us have already set through our social values and professional commitments, we need to feel our way through to new forms of alignment. With the recognition that the mandate for social entrepreneurs and the committed public is to innovate along unprecedented cooperative lines, we bring your attention to some specific strategies that we sense are particularly ripe for further exploration, experimentation, organization and advocacy.

Specifically, we draw attention to fundamental flaws in the dominant economic system and identify core elements of living economies, pointing out important new and existing cooperative approaches and new initiatives (some within SVN) that deserve attention and support. We identify how the current system's monetary structure is geared to transfer capital from the poor to the already wealthy and to generate both physical and human waste. We identify ways to restructure local, national and global monetary and accounting systems consistent with sustainability, greater justice and the integration of billions of people now on the economic sidelines. We propose that self-organized yet coordinated local cooperative efforts of businesses and consumers can fortify local economies, mitigating, and over time superseding, the negative effects of globalization. We point to significant trends signifying an emerging world view that is consistent with living economies, sustainability and a more just world order, in an effort to place human history, and the choices before us, in the context of biological evolution. We postulate that, since the socially responsible business movement may have reached the limits of its ability to bring about positive change within the existing unsustainable system, certain innovations, including the introduction of alternative money systems among socially committed producers, consumers and civic organizations, may be timely innovations, allowing, as never before, our collective daily economic activities to foster and reinforce more ecological and economically viable local and global systems. The needs and potential for breakthroughs in how our community helps to catalyze a more just and sustainable system have never been greater.

The text which follows provides a sweeping introduction to many concepts, each of which is based on a life's work by one of us and countless colleagues, predecessors and teachers. Points have been summarized, and in some cases oversimplified, in order to provide an evolving synthesis on the themes of a living economy. While we all support the broad direction and purpose of the statement above and longer synthesis below, we don't each necessarily agree with every point being made throughout the document. Greater context and detail on each point can be found in our published works and a bibliography follows the document. One of our recommendations is that individuals interested in one area or another form working groups to read and explore the different concepts and organizing opportunities further...and then boldly take actions to innovate practically what today we only know conceptually and instinctually.

This statement and the more detailed synthesis which follows is dedicated to Donella Meadows, a tireless sustainability pioneer who died earlier this year. For 16 years Dana wrote an influential weekly column called "The Global Citizen," commenting on world events from a systems point of view. Dana, much loved and honored by her ever growing audience and colleagues, was the

author or co-author of nine books, including The Limits to Growth (1972), The Electronic Oracle: Computer Models and Social Decisions (1983), The Global Citizen (1991), and Beyond the Limits (1992). For an archive of Dana's weekly op-ed columns, see <u>http://www.pcdf.org/meadows/default.htm</u>.

In the document which follows, quotes are attributed to us as individuals even if taken from books we may have co-authored with other colleagues. Specific references are provided at the end of the paper if a quote is taken from a published work. Finally, in the spirit of evolution and the theme of this collaboration, this writing is a living document, one which we invite others to respond to, expand, enhance and join.

Larry Brilliant, Edgar Cahn, Duane Elgin, Hazel Henderson, David Korten, Bernard Lietaer, Amory Lovins, Russell Means, Richard Perl, John Robbins, Elisabet Sahtouris, Michael Shuman and Judy Wicks

THE PATH TO LIVING ECONOMIES

A perspective with perspective: Our collaboration began as a response to an essay written by David Korten, "*Living Economies for a Living Planet*"; we each offered some responses or references to our published works, and these writings were synthesized by SVN founding member, Richard Perl. Thus, it is apt that we begin our collaborative writing with a few excerpts from David's essay:

"Having reached the limits of an Era of Empire, humanity is compelled to accept responsibility for the consequences of its presence on a finite planet, make a conscious collective choice to leave behind the excesses of its adolescence, and take the step to species maturity. It is the most exciting moment of opportunity in the history of the species.

The human future depends on moving beyond the self-limiting and ultimately self-destructive ways of Empire to live into being a new Era of Community in which life is the defining cultural value, cooperation and partnership are society's organizing principles, and networking is the predominant organizational form. The culture and institutions of the global suicide economy must be replaced by the culture and institutions of a planetary system of living economies that mimic the behavior of healthy living organisms and ecosystems.

A living economy is comprised of fair-profit [in contrast to profit maximizing] and not-for-profit living enterprises that are place-based, human-scale, stakeholder-owned, democratically accountable, and life-serving. In contrast to the publicly-traded, limited-liability corporation, which is best described as a pool of money dedicated to its self-replication, living enterprises function as communities of people engaged in the business of creating just, sustainable, and fulfilling livelihoods for themselves and their communities. Millions of such living enterprises already exist throughout the world. Many have been around for generations. Many people already have a preference for patronizing such enterprises. Although the foundation of a planetary system of living economies already exists, it remains for these enterprises to recognize and value the potentials they embody and to consciously advance the formation of living economies by growing new webs of relationships among themselves."

For the entire essay, see <http://www.pcdf.org/living_economies/>

SVN Founding Member Anita Roddick draws a similar conclusion in her newest book, <u>Take It</u> <u>Personally</u>, "The huge relentless wheel that is global capitalism is driven by faceless, unaccountable bureaucrats and businessmen who seem deaf to the needs of individuals, communities, indeed whole nations. Yet it takes little imagination to see that this situation is unsustainable if we wish to have a planet that is worth living in, and not one where the developed world becomes a fortress to repel the needs of poorer nations."²

Leverage points: In our search for opportunities to leverage important changes in human social and economic interaction, we identify a few key issues in how the current system generates unnecessary waste and how nations don't even account for--and thus lose the value of--some of their most precious human and natural resources.

Waste of the Earth and its resources: The extent of physical and human waste in our current system is both an embarrassment and treasure of rich opportunities. Starting with physical waste, Paul Hawken and Amory and Hunter Lovins, in Natural Capitalism, write that "Americans waste or cause to be wasted nearly 1 million pounds of materials per person per year...[and] this does not account for wastes generated overseas on our behalf.³" While this may be hard to believe, they point out that "the amount of waste generated to make a laptop computer is close to 4,000 times its weight. Two quarts of gasoline and a thousand quarts of water are required to produce a quart of Florida orange juice."⁴ Financially, they point out that ".. of \$9 trillion spent every year in the United states, at least \$2 trillion is wasted, [meaning] it represents money spent where they buyer gets no value."⁵ Drawing again from models in nature, the authors postulate that, "eliminating the very idea of waste can be accomplished by redesigning industrial systems on biological lines that change the nature of industrial processes and materials, enabling the constant reuse of materials in continuous closed cycles, and often the elimination of toxicity."⁶ We know that in nature, the waste of one life form is the food of another; everything evolves in nature and nothing is wasted. To move toward a world of zero waste, we need to structure our production systems in ways that turn the materials now wasted into production inputs; across the world, people are learning how to do this by studying what takes place in nature.

Waste of humanity and its resources: On the human side of the equation, Edgar Cahn titled his book, No More Throw Away People, emphasizing the point that in our current monetary and social systems, people themselves are wasted. Edgar identifies two economies: the market economy, which is measured by GDP and other prevalent indicators, and the non-market economy, which is not given economic value, despite its critical place in making the entire system, including the market economy, function. Hazel Henderson describes the non-market economy in Beyond Globalization: "Such unpaid work (parenting, growing food for family and community needs, maintaining households, volunteering in community service, do-it-yourself home and community construction, and repair projects) is estimated as some 50 % of all production in OECD countries and 60 to 65 percent in developing countries."⁷ Our legal systems have begun to respect the value of these contributions by vesting equal property rights in the spouse who does not work in the market economy. But generally, by not providing monetary value for these services, or measuring them in our economic indicators, millions of people in the U.S. and billions worldwide end up undervalued. Hazel adds that "there are some 2 billion people, many living sustainably with traditional livelihoods, who are unlikely to ever have access to banks or dominant money systems. Yet, their mutual aid and barter can be facilitated independently from our dysfunctional money systems, which are about scarcity, competition and fear. Barter and mutual aid are about cooperation, sharing and abundance."

Our wastes may be our greatest assets: The waste of human capacity is beyond calculation. Yet, like the billions of tons of physical waste we can now envision as sources of capacity, these undervalued people are not a burden on which otherwise productive resources must be spent; rather, their economic and social capacity is the very resource for restoration of overall balance within social and ecological systems. A relevant analogy in nature can be found in how ancient photosynthesizing and respiring bacteria learned to consume each other's wastes, creating an

oxygen and carbon dioxide economy in balanced reciprocity. This cooperative venture was passed on later to plants and animals, which balance their respective needs for CO_2 and oxygen to this day. In many parallel moves and with conscientiousness and courage, it is up to humans to achieve a more natural balance in our monetary, economic and social systems. Some ideas about how we can achieve this follow.

Counting what counts: Before addressing the monetary system, it is important to look more broadly at the inadequacy of our current national systems of valuation and accounting. Hazel speaks to the "bankruptcy of conventional economics....It is imperative that national accounts in all countries...include unpaid work to maintain traditional livelihoods, family and community life....Macro-economic policies should also account [on the assets side of the balance sheet] for the valuable public goods and services that add to quality of life but are unpriced (e.g., police and fire services, infrastructure, health and environmental protection agencies, etc.), without which complex technological economies cannot function....Most urgent is the inclusion of an asset budget so as to properly account for infrastructure and other public investments Such huge investments have been "expensed" in GNP/GDP--leading to massive budget "deficits" and overstating inflation."⁸ "No transition from the GDP-growth trap to a quality-of-life focused, mature economy is possible without unraveling all the assumptions and value-judgments underlying conventional economics and the 'GDP-growth as progress" model. In a nutshell, its underlying logic is that of the cancer cell--which keeps growing parasitically on its human host. Remember that GDP values at zero the environment, social cohesion, healthy citizens and cultural values. GDP treats money spent on cleaning up pollution and hospital costs of traffic accident victims as more 'production.'"9

Michael Shuman points out that our systems have few and inadequate means to value environmental impacts, the "so called externalities of production." On the positive side of the equation, Paul, Amory and Hunter speak of "the value of biological services flowing directly into society from the stock of natural capital, estimated at over \$36 trillion annually. That figure is close to the annual gross world product of approximately \$39 trillion. If natural capital stocks were given a monetary value, assuming the assets yielded "interest" of \$36 trillion annually, the world's natural capital would be valued at somewhere between \$400 and \$500 trillion--tens of thousands of dollars for every person on the planet." While it is absurd to put a dollar value on nature, it is even more absurd and disastrous to have global economic accounting systems which don't reflect nature's value and annual contributions to supporting life on the planet. Indeed, Hazel and Amory have long proposed, among other restructurings, a radical change in tax policy, including transferring taxation from income to the use of natural capital. John Robbins agrees that "natural ecosystems will [only] be protected when society taxes the pumping of fresh water, the damming of rivers and the felling of virgin timber. As polluters pay more, and those who tread more lightly on the Earth pay less, incentives are created for people to do the right thing."¹⁰

A mature species cooperates: The concept of respecting the "commons" that is shared with other people and life forms is appropriate to a species reaching its mature stage; monopolization of resources reflects a more early stage of development. Elisabet Sahtouris, in <u>EarthDance:</u> <u>Living Systems in Evolution</u>, writes, "Nature's evolutionary process, endlessly repeated from the most ancient times till now at all levels from microbial to ecosystemic, passes through aggressive

competitive phases on the way to maturity (typified as the species of Type I ecosystems) on the way to maturity (as in Type III ecosystems). Only at maturity are individual, communal and ecosystemic interests met simultaneously and reasonably harmoniously."¹¹ SVN member Terry Mollner writes of the process by which humanity will "move successfully from capitalism to the next step of maturity" and postulates that there are several "stages of maturity" through which individuals and civilizations must pass."¹²

Immature human systems have reached their limits: David brings attention to the transnational corporation as representing the culmination of a stage of human immaturity, creating the conditions by which humans must "adapt or die." "[The transnational publicly traded corporation's] primary business purpose, as mandated by law and structure, is to maximize the one way outflow of money from the communities in which it does business to the managers and shareholders who generally live elsewhere--in the process yielding as little as possible to workers, customers and the general public. Nature's closest equivalent to the publicly traded corporation is the cancer cell that, due to a genetic defect, expropriates the life energy of the body to feed its own undifferentiated growth and reproduction without regard to the ultimate consequences either for itself or its host.¹³" Emphasizing that blind competition creates great waste among global organizations, David identifies hundreds of billions of dollars in resources that provide no productive end. The suicide economy grows money at life's expense."¹⁴

GLocal responses: Recognizing this, David observes that "the seeds of living economies have already been planted and are taking root in countless communities throughout the world. Some have been around for a long time. They include land trusts, local organic farms and farmer's markets, enterprises producing and marketing innovative environmental services and products, community supported agriculture initiatives, local restaurants specializing in locally grown organic produce, community banks, local currencies, buy local campaigns, fair traded coffee, worker buyouts of factories whose owners are moving production abroad, family businesses that take pride in community service, employee and community owned businesses, production networks of small producers taking on large projects, recycling business, independent book stores that serve as community learning centers, independent media, community sustainability indicators, green business directories, independent business alliances and much more."¹⁵

Michael adds a hopeful note: "Fortunately, the transition to community self-reliance happens to be the most cost-effective pathway for economic development. Distribution and marketing costs of globalization are surprisingly expensive. Other important trends favoring community-scale business include: the rising costs of oil and transportation (which make local production for local consumption relatively cheap); the additional costs imposed on global production by environmental and social justice groups; the growth of service industries which are inherently local); the emergence of niche marketing and production; the ability of firms to fit whole departments (like accounting and marketing) into a single computer; the replacement of bulk materials with information and design innovation (which obviate old requirements that firms be sited next to mines or harbors); the dissipating public support for corporate welfare (which almost universally supports community-unfriendly enterprises); growing consumer and investor preferences to buy and invest locally; and lower morale of workers in global enterprise."

The biological dance between two systems: Perhaps these positive trends seem inconsequential in light of devastating global social and environmental reality. Again, we can attain perspective and hope from examples in nature. Elisabet and Janine Beynus (<u>Biomimicry</u>) remind us of the metamorphosis of the caterpillar into the butterfly. In its final days of its life as a caterpillar, the caterpillar becomes destructive to its environment and consumes hundreds of times its body weight in food. Glutted, it then creates its chrysalis and begins its transformation. The old immune system resists the change but as new butterfly cells link cooperatively, the old immune system fails and the caterpillar body turns into a soup that nourishes the completion of the butterfly.

The new system takes form: The evolution presently called for is a maturation of our human species. As Elisabet puts it: "Ecosystems diversify and go through phases of competition and then negotiations among their species until each of them matures into a cooperative mode, as in a well-evolved rain forest or prairie that functions like a living entity or body as a whole. In fact, in a mature ecosystem the best life insurance for any species lies in what it contributes to the others, *to its competitors for space and resources*. Keeping *them* alive assures its own existence! To follow suit in our human economies, we cannot rely on individuals (CEOs, owners of businesses) to make such changes within a field of ruthless competition; rather, we must implement an open dialogue in our local communities as well as globally on how to do it together. *Nothing* must stand in the way of unleashing human creativity now to design a truly sustainable economics."

One of the seeds for such a platform in the world of finance may be found in one of the largest corporations in the world today, Visa International, a non-profit organization that allows competing banks and vendors to cooperate in order to create an environment in which they can independently and competitively expand their operations. Dee Hock, the founder of Visa, has called this kind of self-organization among equally empowered participants "chaordic" in that it encompasses elements of both chaos and order. His book, <u>Birth of the Chaordic Age</u>, prescribes various forms of organizational structure and management systems which resemble biological principles. He also warns that the structure of Visa International unfortunately lacks the principles and practices necessary to ensure that it serve as a model corporate citizen, and emphasizes the importance of integrating values into the organizational form. As we evolve stronger networks of living economies, we anticipate many innovative forms of self-organized, decentralized and values-driven combinations within and between for-profit, non-profit and cooperative organizations.

Cooperate with Cooperatives: More significant attention should be given to cooperative forms of organization. Hazel, in <u>Creating Alternative Futures</u>, reported that as early as 1975, there were 22,879 credit unions in the US and thousands of rural electricity, telephony, fishing, housing and even mortuary cooperatives. Recent SVN attendee Andy Ferguson reports that there are about 750,000 cooperatives in the world today, with over 800 million members. The Internal Revenue Code in the US has an entire section (subchapter T) which is devoted to cooperative tax law. There are many large cooperatives that operate in our midst, such as the dairy cooperative, Land o' Lakes, the cranberry juice manufacturer, Ocean Spray and the

hardware chains, True Value and Ace and the large natural foods cooperative, Organic Valley. VanCity, a Vancouver-based credit union, has over \$4 billion in assets. Canadian-based SVN member company Mountain Equipment Cooperative is a consumer cooperative that serves its 1.5 million members by selling products at prices which cover its production costs and operating costs. Perhaps the most significant example of an industrial cooperative is Mondragon in the Basque region of Spain. This \$8 billion vertically and horizontally integrated worker-owned cooperative system combines the power of a core financial institution with diverse production and service components.

The benefit of the cooperative model is that it is geared to produce benefits for its members (who themselves may be producers, consumers or both) and who therefore tend to have a broader stake in the enterprise's long term success than simply the financial return to the corporate shareholder. Also, in a cooperative, each member is usually given an equal vote in governance, regardless of their size. Why, we must ask ourselves, would we do all of our banking with corporate banks which are geared to make a profit for distant shareholders from our exchanges--when the same services and protections (FDIC insurance, etc.) can be provided by a credit union or cooperative facility that can better serve the needs of a committed community of users? As we explore new modes for cooperation, there are well recognized cooperative structures, and many friends with vast cooperative experience, ready to accommodate us.

A place for corporations? There is significant debate among us as to whether transnational corporations themselves can be "reformed" to be appropriate vehicles for production and exchange in true "living economies." The problem is not with the corporate structure per se, but with the combination of corporations' often enormous size, the fact that their ownership is generally unconnected with the locality of their operations and impacts, and with their limited liability and insulation from the consequences of their actions. When you compare that combination of variables with the levels of local security and consumer/ecosystem dedication that smaller, place-based or larger cooperative businesses can and do more consistently provide, it is difficult to see the transnational corporation can serve well in living economies which foster sustainablilty and greater justice. Many painful lessons have been learned by the entrepreneurs who pioneered several of the larger socially responsible corporations within our community, as they took their search for growth capital to public markets which are dominated by laws that place financial priorities over social goals. Within SVN, Joe Sibilia and others are seeking to create a cooperative socially responsible stock exchange, which will allow companies with a social mission, and investors who seek to have their capital grow such companies, to finance on terms which protect the social mission.

Some of us hold hope that large corporations can be reformed to be responsive to social and ecological needs. Terry Mollner suggests that there two essential requirements for this, including "a separate, non-profit tax-exempt corporation having a controlling interest in the [operating] business and that the highest priority of the [operating] corporation be the good of all in all it does."¹⁶ David points out that Terry's proposal is actually a transfer of ownership and control of a corporation to an entity which is structurally aligned with living economy principles. We fully support efforts to restructure existing transnational corporations as well as initiatives to reform corporate charters, an undertaking being championed by several SVN members. Hazel

adds that "the shift from stockholder driven corporate charters to new 'stakeholder' models is widespread in Europe and is applied in the multiple social and environmental screens of socially responsible mutual funds and asset managers." We also recognize from evolutionary biology that cooperative models must balance competitive impulses throughout the system, and therefore that large scale cooperation must also encompass and foster local sustainability and social justice.

Ownership Solutions: A world in which billions starve while some people accumulate and hold billions of dollars is neither just nor sustainable. SVN member and former speaker Jeff Gates reminds us that "with globalization has come a dangerous plutocratization....Eighty nations report incomes lower than a decade ago....The world's 200 richest people more than doubled their net worth in the four years to 1999....What's the answer?....The only sensible way forward is with policy environments that evoke broad-based indigenous ownership, including ownership by key stakeholders. Absent a policy mix that results in more participative ownership patterning, development will be jeopardized and social stability endangered." Jeff's works, particularly <u>The Ownership Solution</u> and <u>Democracy at Risk</u>, discuss numerous innovative strategies to spread ownership widely, so that a rising tide can lift all rafts and not only the yachts. One of the principal (and principle) objectives of living economies can and must be generating ways to eliminate such poverty and to spread global wealth. As we explore living economies and new cooperative systems, not only must ownership be more widely held throughout the world, but the concept of ownership itself is due to evolve.

Thinking Systems Thinking: Amory reminds us that if you don't understand how things are connected, often the cause of problems are the "solutions" you create. By way of example, Amory speaks of how, to stop an outbreak of malaria in Borneo in the 1950's, the World Health Organization used excessive amounts of DDT, which killed all the mosquitoes, and the malaria declined. But there were side effects: the DDT poisoned bugs which were eaten by geckos, which were eaten by cats, which killed the cats, so the rats flourished; soon the WHO was faced with a potential outbreak of typhus, so it parachuted 14,000 live cats into Borneo. If we look at the world as a living system, and design our economics giving value to all human and natural resources, we can design living economies that contemplate and seek to take advantage of systemic synergies rather than suffering absurdly as we do today the consequences of a failure to do so.

Former SVN speaker Gunter Pauli reminds us that in nature, there is a system of exchange between the five "kingdoms": animals, plants, algae, fungi and bacteria; the waste of one kingdom is always food to another. The system breaks down, with diseases like Mad Cow and Hoof-and-Mouth, when the entities in one kingdom consume waste generated within the same kingdom. Most importantly, the kinds of positive exchange in a system are not directly reciprocal; the tree may produce fruits that birds eat, and the bird droppings feed micro-organisms in the soil which then feed the tree. There need not be a reciprocal exchange between the bird and the tree. But so long as the tree keeps producing fruits and dropping leaves, nurturing the eco-system around it, that system will produce for the tree what it needs to survive. Thus, in a living economy, we need to think in terms of systems where the output of one production process serves as the input of another, recognizing that through the system, the various needs of different entities can be met and that waste should never be wasted.

Evolution's dance within us: On a global scale, it may be easier to envision living economies by examining more broadly how natural systems function. Elisabet writes that: "New biological information on nucleated cells, multicellular bodies and mature ecosystems as cooperative enterprises challenges our ingrained view of antagonistic competition as the sole driving force of evolution, which was adopted as the rationale for capitalist competition." But, as George Soros says, "there is something wrong with making the survival of the fittest a guiding principle of civilized society. This social Darwinism is based on an outmoded theory of evolution."¹⁷

Elisabet continues: "It is high time we recognized our local and global economies as living systems, just as we do our families and our individual bodies. We can see more clearly what is going on in our world if we understand the individual, the community, the nation and global human society as living systems embedded within each other, just as our cells are embedded within our tissues, organs, organ systems and bodies....At its best it becomes elegant, harmonious, beautiful in its dynamics of non-antagonistic counterpoint and resolution, as in a healthy body wherein cells, organs, organ systems and the body as a whole are in endless dynamic negotiations concerning each level's well-being...

"As we learn Nature's ways and follow suit by redesigning and reorganizing our economies as self-organizing Living Systems, we will learn to balance how we produce our "living" with the other needs of living systems. That means, among other things, that our businesses will engage in dialogue with, and become accountable to, the communities and ecosystems in which they are embedded. A living dialogue among all levels of system is the only way to repair damage done by the currently dangerous imbalances resulting from the single bottom line."

Holistic globalism: Hazel identifies seven levels of the global economy, each of which need restructuring to reflect the dimensions of human economic activity, including: The Global System, The International System, The Nation-State, The Corporate System, The Provincial and Local Systems, The Civil Society and The Family-Individual. The essential re-alignment can and must take place on every level. Indeed, while acknowledging life threatening trends resulting from human activities on all levels continues, seemingly unabated, Hazel identifies progress being made by committed individuals, domestic and transitional civic organizations and governments to bring about an alignment on each level, toward a newly balanced holarchy or Living Economy. We do not see globalization itself as the issue, but rather the limited values by which globalization has been and continues to be implemented across the planet. The principles for a holistic and values-based globalism have been developed, see the Earth Charter, (www.earthcharter.org); the issue remains the processes to achieve a new globalism in light of the unacceptable and unsustainable globalization which now dominates the world. David discusses this very point in a recent keynote address at the U.S. launch of the Earth Charter; see http://www.pcdf.org/2001/EarthCharter.htm.

The chicken and the egg, or the seed: There is no way to reverse globalization; our world is now permanently interconnected. The values and systems which govern global exchange, and the economic rules and systems of finance which currently define global policy, can be challenged and must be changed. Our task is to create life-affirming pathways for globalization's evolution,

thereby allowing its current negative effects to be superseded though exchanges which reinforce local integrity. As organizational systems theorist Meg Wheatley recently wrote,

"Once an emergent phenomenon [such as globalization] has appeared, it can't be changed by working backwards, by changing the local parts that gave birth to it. You can only change an emergent phenomenon by creating a countervailing force of greater strength. This means that the work of change is to start over, to organize new local efforts, connect them to each other, and know that their values and practices can emerge as something even stronger."¹⁸

As David and Elisabet put it, we need to live the alternative system into being, displacing the old system with new actions and belief systems that mimic the succession processes we find in nature. A new belief system and corresponding immune system need to take hold, developing new patterns for production, consumption, exchange and communication.

As Duane Elgin sees it, "We cannot predict the nature and capacities of new systems that may emerge from combinations of smaller systems. For example, we could not have guessed from the nature of molecules by looking at only the properties of atoms, and we could not anticipate the nature of living cells by looking only at the properties of molecules, and so on....These properties suggest that the universe does have a central project; namely to support the development of self-referencing systems that are able to live sustainably at the local scale while joining into communities at larger scales that offer the opportunity for learning and expression in a context of ever-broadening freedom."¹⁹

We are evolving: Perhaps humanity is maturing, as people, communities and businesses worldwide are choosing to align themselves with a more just and sustainable world. And is it not apt, in its late stage resistance to such evolution, that certain leaders with old world views might rise to the global stage? The identification by sociologists Paul Ray and Sherri Anderson of a large, highly educated and environmentally oriented segment within the world economy, called the "cultural creatives", may be representative of this new collective maturity taking hold. Bernard Lietaer writes that "while cultural creatives were still statistically undetectable 20 years ago (less than 3%), they now represent 23.6% of the population (44 million adults in the U.S.)....This trend may actually be a global one."²⁰ Indeed, Bernard writes that the secretariat of the European Union used Ray's values questionnaire identifying cultural creatives its monthly Euro-Barometer survey of all 15 nations (800 interviews per country) and found to its surprise that the percentage of cultural creatives is as high in Europe as it is in the U.S. Further, Duane completed another study to indicate that this shift is a global phenomenon. He writes that, "considered together, trends seem to indicate that a global paradigm shift is underway."²¹ While those identified as cultural creatives have diverse values and preferences, the assertion is that a significant shared consciousness and more holistic world view are beginning to take hold in the United States, Europe and other "developed" countries.

Now we are ready to create a new playing field: Despite these important shifts, even the most environmentally committed cultural creatives likely conduct over 90% of their daily economic activities within the unsustainable system, fortifying it with each dollar earned, spent and invested. New forms and mediums of exchange among aware and committed Living Economy

participants are needed to translate the consciousness of the new immune system into a tangible and viable alternatives to the prevalent social and economic system. For this, we turn our attention to the role and impact of money in its current form and shed light on alternatives that reflect and might help fuel this cultural and evolutionary shift.

The profound roles of money: Bernard points out that money affects not only what gets valued and exchanged, but further, our monetary systems impact our world view and self perception. "The way money is created and administered in a given society makes a deep impression on values and relationships within that society. More specifically, the type of currency used in a society encourages--or discourages--specific emotions and behavior patterns."²² "We are going to have to change as much in our consciousness about money over the next 20 years as we have over the past 5,000 years. Offering hope and precedent, Bernard notes that "proven money innovations can engender 'sustainable abundance' within one generation. The key is to introduce--in parallel with the existing money system--complementary currencies that have already proved that they can contribute to solving these uncompromisingly tough [sustainability] questions."²³

Bernard provides numerous insights into the workings and impact of our assumptions about money, but a few key ones are:

"The main characteristics of today's monetary system were pieced together in pre-Victorian England, just in time to trigger the Industrial Revolution. it's legacy--the money system that prevails today---looks as if the designers had asked: how can we create a money system that reinforces our nation-state, and concentrates resources to enable systematic and competitive heavy industrial development....All Industrial Age currencies have four key characteristics in common...: Money is typically geographically attached to a (1) nation-state. It is (2) 'fiat' money, i.e. created out of nothing, by (3) bank debt, against the payment of (4) interest. Perhaps this sounds obvious, even trivial, but the full implications of each one of these assumptions are much less clear."²⁴

The interests of interest: "The way interest is built into the money system has three consequences:

1. Interest directly encourages systematic competition among the participants in a system.

2. Interest continually fuels the need for endless economic growth, even when actual standards of living remain stagnant.

3. Interest concentrates wealth by taxing the vast majority in favor of a small minority.²⁵"

There is a lot more to understanding the role of interest and other core elements of the predominant money system. A great summary of Bernard's work appears in YES magazine and can be found on line at http://www.futurenet.org/2Money/Lietaer.html. There and elsewhere, Bernard shows that our current monetary system involves a wealth transfer from the poor and middle classes to the already wealthy. And the transfer is due "exclusively to the monetary

system in use, and is completely independent of the degree of cleverness or industriousness of the participants--the classic argument to justify large differences in income."²⁶ Bernard goes on to show that, interest bearing currencies make individuals and corporations myopic, discounting the future and thereby creating disincentives to act in ways that are consistent with long term sustainability. "Interest rates create a built-in tendency to disregard the future, to create a worldview with 'near-seeing glasses....Under the existing money system, longer-term thinking is not only less profitable, it is severely punished. However, it is possible to design a monetary system which would dramatically lower the cost of capital through simultaneously reducing both interest rates and the cost of equity, [which would] realign financial interests with long-term sustainability objectives."²⁷

Let it flow: Another key component about current national currencies is that they are both a means of exchange and a store of value. We generally assume that these two components as core elements to money, but the only essential characteristic is that money be a means of exchange. Indeed, when money functions as a store of value, money itself--as much or more than the goods and services it buys--becomes capable of generating more money. As a result, beyond the need to have healthy savings, the current money system incentivizes people to hold (or hoard) money; when money doesn't circulate, it becomes scarce and investment becomes more about making money than about generating goods, services and new wealth.

David and Hazel alert us to the fact that two trillion dollars change hands in world markets each day--but that only 2% of those exchanges have anything to do with goods and services. That means that 98% of these transaction seek purely speculative profits that contribute nothing to the creation of wealth. Edgar writes "Money has taken on a life of its own: its function is to produce for the sake of reproducing--regardless of the impact on its health on the human community....Increasingly, what we are witnessing in the world's money markets looks more and more like cancer."²⁸ Therefore, to the extent we can utilize complementary currencies which serve as a means of exchange but not as a store of value, this seriously negative dynamic of money can be mitigated.

Complementary currencies are not new: Hazel, in <u>Building a Win-Win World</u>, and Bernard, in <u>The Future of Money</u>, walk us through examples of hundreds of complementary currencies developed over time, with literally thousands existing in the world today, most of which are non-interest bearing and in most of which, the currency serves as a means of exchange but not as a store of value. There is an important history of complementary currencies in the United States which flourished during the depression. "The majority of applications [of complementary currencies] in the US were correctly designed and successful." Hazel notes that there is a remarkable catalog which illustrates several thousand examples of local scrip from every state in the Union."²⁹"Very few complementary currencies survived the turmoil and reconstruction processes of World War II and the booming postwar years....As recently as the 1980's, there were fewer than 100 such currency systems in the world. The have now multiplied by a factor of twenty over the past decade, to over 2,500 worldwide in the year 2000."³⁰

The oldest and largest complementary currency, the Swiss WIR, celebrated its sixty-fifth anniversary in 1999, with annual volume of over US\$2 billion and 80,000 members from all areas

of the country." Hazel cautions against efforts to make a complementary currency convertible with national currencies, "The only problem with the WIR came when the organizers tried to make it convertible with the Swiss franc. We should learn the lesson that all such complementary currencies must remain insulated from existing fiat (national) currencies, if we are to protect the new values systems and the integrity of our independent electronic trading platforms." Bernard has indicated special cautions must be taken if a complementary currency is going to attempt convertibility into a national currency. Hazel, Bernard and David agree that convertibility among complementary currencies, for example allowing a credit in a California program to be respected in a New York program, is advantageous and likely workable.

Time Dollars: One important complementary currency system used in various forms throughout the world, and with great success in the United States, is Time Dollars, which has been pioneered and tirelessly advocated by Edgar. Simply put, members list the services they can offer and those they need. Every hour giving help earns the giver one credit, a Time Dollar. Members buy the services they need with their credits. A system's computer (or bulletin board) matches the task, the giver and the receiver (each person is interviewed and provides references to the system). Every transaction is recorded on the computer's time bank and members receive regular bank statements. One hour is one credit regardless of the skills one offers. Members can donate credits to friends or the to the credit pool. Everyone is seen as special, with a contribution to make and all activities maintain set standards of care and a code of ethics."³¹

An example is that Alice baby sits for Jackie's children for an hour and Alice earns a credit, which she uses to get Sam to mow her lawn. Sam uses his credit to have Sue repair his clothing, and onward. The impact is not only that those "without resources in the monetary economy" can now translate their time, caring and 'non-monetary economy' expertise into currency which can be exchanged for other services of value, but beyond that, the personal empowerment of the individual and community is extraordinary. Whereas you probably won't know about your neighbor's skills, or ask her a favor in isolation, this system unleashes the vast potential for humans to restore the declining social fabric in communities, the very engagement that is needed to support the evolutionary shift into cooperative/competitive mode. Edgar calls the bridging of the monetary and non-monetary economies "co-production", which he regards as imperative, since "trying to fix the non-market economy from the outside won't work...In order to make social solutions effective, you need for the recipients to contribute what they can, and for the system to value what they can contribute."³² And here again, we are able to use the biological examples of reorienting ourselves and evolving to make use of what was formerly considered waste.

Money's subliminal but not so subtle impacts: In a yet to be published book, <u>The Mystery of Money</u>, Bernard writes of the powerful impact our monetary systems have on our thinking, not only of commerce, but of the world and our views of ourselves. Indeed, he emphasizes, what we know about money is but the tip of the iceberg. Bernard focuses on two important periods in history when money was neither interest bearing nor a store of value, but rather, when money served only as a means of exchange, namely ancient Egypt and the early Middle Ages. In both of these periods, money expired if not circulated, since it was perceived like a public service--a small fee (a demurrage charge) was charged for the time one used (or hoarded) money. During these

periods, economic systems flourished because money circulated through society and, as imbedded interest was not causing people to discount the future, long term investments were made in pyramids and cathedrals. Interestingly enough, the very civilizations that had such "non interest bearing, means of exchange only" currencies had archetypes or world and cosmic views which honored the feminine, and there was a reverence of the Earth and a connection to the life which it supported. It is relevant to note that the patriarchal assumptions which have defined so much of the Industrial Age took hold at a time when the current monetary system was established.

Toward a balanced world view: Russell Means' forthcoming book, Return to a Matriarchal Society of Balance," begins with an explanation of matriarchy because "matriarchy is the secret to balanced relationships, and balanced relationships are the key to health and harmony in marriages, families, villages, nations and international communities." Russell explains that "Male-oriented society (patriarchy) conceives all (personal, marital, familial, business, political) relationships in terms of dominance and manipulation. Matriarchy (contrary to the way in which it is defined in patriarchal societies) does not mean that women rule over men. Instead, matriarchies are femaleoriented. This means that the woman's power of intuition, perception and attunement to the natural rhythms of life and the gifts of revelation that flow from the Great Mystery is honored. Patriarchal societies, worshipping consumption, attempt to dominate the earth, its peoples and natural resources. Matriarchal societies, to the contrary, honoring Grandmother the Earth, listen to the secrets she reveals and respect every living being. Matriarchal societies understand that every human being is the center of the universe and that every decision an individual makes must be undertaken with the knowledge that one action will affect at least seven future generations. Matriarchies, therefore, focus their energies on improving relationships among all living beings." Hazel refers us to additional works in this area by Charlene Sptetnak, including The Politics of Women's Spirituality and Charlene's shared work with an earlier SVN speaker, Fritjof Capra, Green Politics.

Duane adds an epochal perspective: "We are now living at a time when humanity's perceptual paradigm is undergoing one of its rare shifts, and that shift has the potential to dramatically transform life for each of us. A paradigm shift therefore goes to the core of people's lives....At the heart of the new paradigm is a startling idea--that our cosmos is not a fragmented and lifeless machine (as we have believed for centuries), but is instead a unified and living organism....If the universe is unconscious and dead at its foundations, then each of us is the product of blind change among materialistic forces. It is only fitting that we the living exploit on our own behalf that which is not alive....On the other hand, if the universe is conscious and alive, then we are the product of a deep-design intelligence that infuses the entire cosmos...If life is nested within life, then it is only fitting that we treat everything that exists as alive and worthy of respect."³³

It is interesting and appropriate to note that, among the shifts being witnessed in the demographic called the cultural creatives is a tendency to a less patriarchal, more holistic world view. In this context, a patriarchal world view presumes that it's approach is the only way, that it knows all and understands everything and that it is possible to be totally logical, rational and objective. An more feminine world view is more integrative, accepting duality and mystery. Civil rights, women's, sexual liberation, alternative health, environmentalism, transcendent religion

and world culture movements are reflective of this new integrative consciousness. It coincides with a time in history when cooperation on projects of long term and mutual significance is critical. To facilitate the alignment of those of us who feel the calling to sustainability and greater justice on the planet, we may need to implement currencies which are grounded in a world view that fosters nurturing, long term thinking and cooperation.

A scenario: None of us are calling for the immediate end of national currencies, but rather we recognize the many powerful possibilities of primarily locally-based complementary currencies, particularly ones which are not debt-based, fueling, through interest, a discounting of the future and a transfer of wealth to the already wealthy. Existing complementary currencies could be more widely integrated into the movement for living economies, and be used, along with national currencies, for partial payments on many daily items. And while most people are naturally "afraid" of using alternative currencies, we need only remember that the ones we now exclusively rely on are valuable only because of mutual trust in an economic system we know is unsustainable and unreflective of our values.

Having a non-interest bearing money will naturally coincide with a world view that favors longterm over short-term investment. Having a money which does not generate value, but only serves as a medium of exchange, will encourage that money to circulate, causing resources to be more naturally distributed within communities based on real contributions and productions. Such complementary currencies could help instill a new, more life-affirming and less patriarchal archetype among humans as they cross the critical evolutionary threshold into cooperative/competitive humans. Of equal importance is the enormous impact complementary currencies can have, by keeping money and resources within committed communities, whether they be local or values based.

Imagine that businesses and individuals committed to sustainability, accepted dual currencies for their goods and services. One could pay 60% of a meal in the national currency and 40% in a locally-based complementary currency. The business could use the currency to partially pay their employees, who could use them with any vendor who is part of the sustainability movement. Sustainability movement publications would accept them for part of advertising and subscription costs, our entertainers for performances and art, our farmers, hotels, restaurants, conference centers, teachers, alternative health practitioners, distributors, non-profit organizations, etc. could all accept the currency, enabling resources of aligned communities to recirculate within businesses, consumers and civic organizations who share a social and environmental commitment. A Time Dollars element could foster much broader participation in non-profit groups who formerly needed market economy cash to pay for services, enabling them to rise more formidably to their important tasks. The currency would most likely be an electronic credit system rather than a paper scrip, perhaps utilizing a "cash chip" function now seen on many credit cards, particularly in Europe.

The point is that we have our green building industries and green markets, we have our alternative media, alternative health and alternative lifestyle industries as well as vast facilities for socially geared investment management. We have the manufacturers, distributors and retailers which sell us our greener and fairer traded products. A complementary currency which each of us, our

employees and vendors, our farmers, restaurants, retailers and the many thousands of committed non-profit organizations would accept (as partial payment) for goods and services, would create an unprecedented reinforced flow between us, a new commitment between consumer, producer, activist and potentially also investor, hopefully allowing "us" to evolve our forms of cooperation to new, timely and essential heights.

Again, we don't see the implementation of complementary currencies as a cure all for the world's social and economic problems. What humans produce and how we produce it, how we consume and exchange, what we value, own and what we treat as part of a global "commons" are all parts of an evolving equation. Yet, money, as a means of exchange, uniquely touches practically every aspect of our daily lives. It is critical that conscious and committed individuals, businesses, civic organizations and communities find ways to align our actions with our values, and to strengthen our allies through the process. Thus, as we move forward with many levels of enterprise and activism, complementary currencies--which have the capacity to meaningfully engage in the system many of our essential allies who not now (or likely to ever be) part of the traditional monetary economy--can play an important role in strengthening and re-enforcing our efforts to build living economies.

Let our money fertilize the living economies: In <u>Going Local: Creating Self-Reliant</u> <u>Communities in a Global Age</u>, Michael draws attention to the economic multiplier. "The expenditure of a dollar generates more than a dollar's worth of activity. A worker who receives a paycheck of say \$500 might spend half on food and half on rent. The market that sold the food might us its \$250 in revenue to buy more produce from local farmers and the landlord might spend his or her \$250 on electricity from the local utility. Every expenditure cascades into a larger number of transactions that enrich the community. Once a multiplier leaves the community, the benefits of subsequent transactions are lost. A community in which money flows out quickly and never returns slowly bleeds to death."³⁴ Thus, to the extent that we utilize complementary currencies to enable our capital, labor and resources to reinforce the participants in the living economy, the stronger the living economy will grow, offering more opportunities for each of us to employ sustainability-favoring currencies.

Liberate Free Trade: The kind of trade within a living economy that is fostered by community currencies is, perhaps, more free than the "free trade" advocated by today's world leaders. Michael elaborates: "Ironically, free trade purports to enhance people's choices, yet winds up actually limiting them. Workers have only a few opportunities for work in the specializing industries. Consumers have less money to spend on the global cornucopia of goods and services. Subsistence farmers, once able to eke out a decent living off their own land and to barter for extras, are suddenly drawn into a global economy where they have to sell crops to buy food, water, clothing and shelter. And communities, once able to choose their own paths of development, now find themselves following marching orders from distant corporate managers. Free trade has become the biggest oxymoron of our time."³⁵ Besides, as Hazel points out, "if conventional economic analysis of efficiency were corrected by full-cost prices and true thermodynamic efficiency, local production, consumption and exchange are the most efficient."

Healthy roots, wide branches: In critiquing the global economy and "free trade", we do not advocate isolationism. Michael explains that "Community self-reliance does not mean isolation. It means expanding the base to produce the necessities for residents and to focus existing resources on more value-added industries. It means an economy better insulated from sudden shifts in the price and supply of imports. It means striving to keep a growing share of the economic multiplier at home....Self-reliant communities could create national--perhaps even global--partnerships with one another. They could pool some of their pension portfolios and invest in one another's community corporations. This would diversify investment options and lower risk, yet in a way that continues to benefit locally owned and operated businesses."³⁶

Capitalizing on new efficiencies: Michael provides numerous examples of how businesses with distant headquarters drain capital from local communities, weakening them in favor of their more limited shareholder and management base. He points to vast opportunities for local communities to support local businesses, particularly if local consumers commit to supporting local businesses. "[For example], in 1910, for every dollar Americans spent on food, 41 cents went to farmers and 59 cents to marketers and providers of inputs like seeds, energy and fertilizer. Today, 9 cents go to farmers, 24 cents to input providers and 67 cents to marketers. Those 67 cents are largely unrelated to the end product consumers really want. It's wasted on packaging, refrigeration, spoilage, advertising, trucking, supermarket fees and middlemen. If farmers were linked more directly with nearby consumers, these inefficiencies could be wrung out. Either food prices could come down or farmers' incomes would go up--or both."³⁷

There are many ways that communities can evaluate their economic security, ecological integrity, quality of life and political empowerment. Michael recommends that communities "develop input-output models of their own economies to uncover where the dependencies are. For example: "Two years ago various state agencies in Vermont, with support of the U.S. Department of Agriculture, analyzed a study of import dependencies for the state. The final study, called "The Leaky Bucket," (see www.vtlivablewage.org/JOBGAP6a.pdf) showed that billions of dollars a year of business -- in food, energy, insurance, and retail -- were leaking out of the state, because of an insufficiently developed local business sector. The absence of in-state banks, for example, means that interest payments on credit cards and other debts exports \$241 million out of the state each year."

New organized responses: It is probably no coincidence that at the very time that many of us are collaborating on this writing, and offering presentations at the upcoming (October 2001) Social Venture Network meeting, SVN itself is launching a Living Economy Initiative. As its convenor, Judy Wicks, has written, "A sustainable global economy (socially, environmentally and financially) is based on sustainable local economies. As wealth and power continue to consolidate into growing transnationals, small and medium size companies can help turn the tide for social and environmental justice by focusing on supporting local economies and communities, both nationally and internationally....

Through the Living Economy Initiative (LEI), many of the long held values, goals and initiatives of SVN can be realized. LEI will facilitate: Local networking and connecting like-minded entrepreneurs, promoting local sourcing, purchasing from rural, inner-city, and other locally

owned companies and producers, protecting local natural resources and demonstrating and teaching environmentally sustainable practices, teaching responsible business practices, providing the voice of progressive business in local issues, offering an alternative perspective from the local Chamber of Commerce, collaborating with local nonprofits in targeted community service projects and organizing local and regional conferences."

SVN member John Steiner is exploring the creation of a new organization called GEMS, Green Economic Movement Strategies, to work on the macro level. "Not only would the GEMS focus on what and how to buy (with all the research infrastructure required, a lot of which exists--a kind of consumer reports for green buying, good housekeeping seal of approval, etc., green malls--real and virtual--including social and economic justice parameters), but it might also decide, using the kind of research the Council on Economic Priorities has done for many years, which of the oil companies, for example, has the best (or least bad) plan for becoming an energy company and focusing on sustainability. Not only could [broad collective] buying move in that direction, but GEMS could offer the best organizational and personal transformational tools to each company or corporation selected. CEP, COOP America and other sources could help members choose the best (least bad) to purchase--cars, trucks, appliances, green building, banks, insurance companies, etc., not to mention ISP's, healthier eating living, etc. If buying can be done en mass, then we would have a strong force in the culture that might make a difference."

Eat that: Many people believe the first place to focus energies around building living economies is around food. According to a chapter in The Case Against the Global Economy, (Jerry Mander, Editor) "corporate agribusiness manufactures and markets over 95% of the food in the U.S....US and European food is so cheap that it is replacing the native diets of peoples in Africa, Asia and Latin America, destroying native agriculture systems and accelerating urban migration."³⁸ This is an issue which ties our own most vital life sustaining input, our daily bread, to social and economic impacts on people across the globe. As Judy has modeled at the White Dog Cafe, food is an appropriate place to build a web of committed producers, service providers and consumers, restoring the fabric of a healthy society, while nurturing ourselves and the earth around us. John Robbins' newest book, The Food Revolution, walks us through the many myths the food industry has perpetrated, so many of which are accepted as facts by the "educated" public. The issues go from believing livestock is humanely treated (did you know that "free range" chicken is likely not 'cage free' chicken?), to use of millions of tons of antibiotics in livestock. For example, a Yale University study recently found that 13% of cases in the Connecticut area that had been diagnosed as Alzheimer's disease were actually the human form of Mad Cow Disease; even the National Cattlemen's Beef Association now acknowledges that people consuming products containing nervous system tissue from cattle infected with Mad Cow Disease are at risk for the disease.

But at this pivotal moment in history, perhaps the largest issue before us, as we look to build living economies and preserve our environment, is to hold the line on genetically engineered foods. John emphasizes that, at this point, soy, corn, canal, and some papayas are the primary commercially available foods that have become the subject of major genetic manipulations, with 72% of worldwide production being in the US. The balance is in Canada (10%) and Argentina (17%). John advises that the Europeans and Asians don't want our genetically engineered

products; US overseas corn sales are down 95%, which is generating some interesting coalitions between farmers and environmentalists. John sees an opportunity to link the support of locally grown food efforts with efforts to block new GMO products and to enforce labeling of GMO products. John points out that whereas the organics campaign in which so many SVN members were important participants might have been seen by some segments of the public as an elitist concern, the GMO issue can bring together farmers, environmentalists and consumers throughout the world on all levels of the economic scale. Since GMO foods (and efforts to resist their labeling) are being promoted under the banner of "free trade", this timely issue can strategically be embraced by those of us who are committed to building alternatives to globalization and to the "food for corporate profit" model. A GMO campaign offers a strong example of how alliances between consumers, businesses and civic organizations can align to hold the line on a very timely issue, one which will for long into the future, perhaps forever, impact living systems and our efforts to maintain ecologically-based living economies.

Windows of light: Beyond the food area, so many of the makings of a sustainable living economy have developed over recent years, and they are being patronized by millions of sustainably inclined consumers. Many of us, feeling the calling to respond to this wave, believe we have spent our lives preparing to participate in the major change that our survival now requires be upon us. We recognize this shift as a defining characteristics of ourselves and our chosen communities, yet, certain connectivity between our emerging identities and daily practices is not yet in place. Despite the many socially responsible businesses we have created and patronize, most of us, as individuals, families and companies, fundamentally participate in the unsustainable economy; we further its unacceptable impact with most of our daily economic interactions.

It is very difficult for even the most socially responsible producers to reach the highest levels of sustainable production and service--accounting for what unsustainable producers treat as "externalities"--when their competition provides cheap, convenient but unsustainable alternatives. The costs of social responsibility are likely to be a limiting factor in achieving social responsibility--unless and until committed consumers align with committed producers. As noted earlier, if we as consumers commit to buy from committed sustainable producers, thereby reducing the marketing expense (of up to 65%), the margins are available to enable sustainabilitycommitted producers to produce in more ecological ways and pay fairer wages, while providing a product at a competitive price. Such changes will be reflected throughout the economic chain, including alternative approaches to financing and ownership, and most likely also in innovations in the monetary systems employed. One could envision new delivery services from now underemployed people, perhaps paying them in part with complementary currencies that are accepted within this cooperative system of consumers, producers and vendors. The positive sign is that the participants (socially responsible consumers, producers, service providers in every field) have emerged, and the directions we need to explore are becoming clearer. Now, more than ever, it is time for us to join voices and visions and to innovate on new levels.

The Medium of Media: We now have the tools that can transmit a single idea to several billion minds at virtually the same moment. This can be extraordinarily positive or negative, depending on the ideas and information transmitted. Duane reminds us that "In the United States, 98

percent of all homes have a TV set, which the average person watches more than four hours a day. Taken together this means that Americans watch approximately one billion person-hours of television daily. The majority of Americans get a majority of their news about the world from this medium. A similar emphasis on televised communication exists elsewhere around the world." We know that for the most part, the media which controls television globally is deeply connected with the global corporate interests that are part and parcel of the predominate unsustainable and unjust economic system. Thus, alternative media in all forms, and strategic use of the internet, are of critical importance, since is it all too easy to believe that the news and perspectives in dominant media reflect not only truth, but reality, defining the collective sense of what's fair and what's possible. Within SVN, there are several media initiatives worthy of our support. And, when we use the media to communicate positive ideas, visions and opportunities, the possibilities for triggering alignment among many who are sensing the same calling and just awaiting reinforcement, are extraordinary.

The activist wears no clothes: Larry Brilliant believes, "We should all join the Hypocrites Club. The inertia of our system creates in each of us a life which is more often part of the problem then the solution--even for the best of us. We each compromise as we seek to meet our obligations to our families to provide them with necessities and comfort, while knowing inside the causal link between the way we live and the suffering in the world we perpetuate. But we are a major step ahead by seeing where we are, in the Club, trying to change the world while contributing to its problems. It would be much worse to go numb and stop our efforts for good, nor can we get so angry at ourselves that we paralyze our abilities to contribute to progress and good. We know that there is a line that you can't cross...The point of our awareness is to raise the bar, first for ourselves as individuals, then collectively, to higher and higher standards, all while we are living in compromise. And, if you focus too much on results, you won't get the right actions....the questions, and the quest to answer them, are our best guides to alignment."

The great opportunity: Humanity's next evolutionary leap will require individual and collective courage to trust and cooperate. Through that leap, we will evolve new life-affirming ways to relate to all others with whom we share this world. Many trends are moving in that direction, but in the larger economy, we are continuing to act within and fortify the very system we seek to change. We doubt that it is possible to "win" this game without changing the rules by which we ourselves play, thereby creating a new and inviting playing field which others can easily join.

In the past decade, the internet has allowed for unprecedented and relatively inexpensive information flow and communication worldwide. We live in the information age, and information is abundant. Are we ready to leverage that abundance to navigate our way beyond our current systems which assume and sustain scarcity? We believe it is significant that the internet has arisen at the same time as a new, more holistic world view has emerged among over 100 million "cultural creatives" worldwide, many of whom are at the top of the world's economic ladder. Never before has a species been able (or required) to see its own evolution, but the urgency is now being met with the physical and metaphysical capacities to accompany this change.

Our task is not something that can be understood or adequately explained --before we've actually done it. It's not possible to *know* how to live in these more cooperative patterns, until we

ourselves have evolved. Like the salmon's journey to their spawning grounds against countless obstacles and odds, we need to awaken our homing instincts to find our way to balance with nature. This is a process that relies both on our minds and our hearts, on science and sound economics, and on values and trust that can only be grounded in a connection with spirit, however we--individually and collectively--experience it. For those of us who feel called to be responsive to this challenge, the moment is here. So, let's feel our way through this challenge with our eyes open wide to global reality and its true possibilities; let's think rigorously about the systems we need to create to allow all life to prosper in this world. Let's set our compasses to track evolving visions we will dream and realize together, guided by brave and compassionate hearts, intuitive minds, following a light we best know as love.

Now what?! As Duane concluded in his most recent book, <u>Promise Ahead</u>, "Being alive at this time confers on all of us a unique responsibility as well as a unique opportunity. Because we are here now, we are "on duty" and responsible for preserving the evolutionary integrity of the human experiment. *We* are the leaders we have been waiting for. *We* are the social innovators and entrepreneurs we have been seeking. *We* are the ones who are challenged to self-organize and pull ourselves up by our own bootstraps."³⁹

Throughout this document, we've emphasized that nature and evolutionary history provide relevant models for solutions to most current human challenges. We see great hope in cooperative business forms, such as consumer cooperatives that ensure production is geared to benefit consumers, and non-profit alliances between for-profit companies, reflecting self-organizing, decentralized and fluid systems that incorporate and strengthen our deeper values and commitments. We believe that currency innovations hold particular promise to enable socially responsible businesses, civic organizations and millions of aligned individuals to develop more self-reliant and globally networked local communities. We also emphasize the importance of restructuring national and global economic accounting systems to accommodate currently excluded natural and human capital. Finally, we stress the importance of aligning our individual and collective economic activities along the lines of natural systems, thereby fortifying economies which honor the Earth and the many life forms with whom we share it. We are ready to participate in new initiatives, and in reading and discussion groups on any related subject, that we might develop a common base of insight and knowledge, deepening the already rich fields of trust within our extended communities and fostering alignment of our organizations and actions.

Its time for new forms of collaboration. In that spirit we have joined our voices and created a stronger context for presenting our individual ideas. We have no certainty about which actions are most timely--but we do share the conviction that this is the moment for unprecedented cooperation among the socially conscious and concerned. To our knowledge, the socially responsible business and non-profit communities have yet to develop a coordinated plan which most powerfully connects the dots between our businesses, resources and the vast communities we serve. So let's model nature and self-organize; let's reach out to each other in new ways and bring our selves, our communities and our organizations into more focused forms of collaboration. It is time for some bolder steps, and yes, there is dancing at this party.

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Larry Brilliant is a student of karma yoga, a hog farmer, technologist, somewhat hypocritical philosopher and physician, who helped lead the successful UN World Health Organization campaign to eradicate smallpox in India and founded the Seva Foundation (www.seva.org) which has done over 2 million free eye operations. Wired magazine calls him a "technology visionary" because he co-founded, with Stewart Brand, the legendary online community "The Well" and FastCompany says he is "two-thirds Dalai Lama, one-third Chauncy Gardiner". www.fastcompany.com/online/39/brilliant.html

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Bernard Lietaer, one of the original architects of the European single currency, wrote *The Future of Money* while a fellow at the Center for Sustainable Resources at the University of California at Berkeley. He has been active in the domain of money systems for a period of 25 years in a variety of positions including professor of International Finance at the University of Louvain, Central Banker, president of Electronic Payment System and currency trader.

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Russell Means is a self-described activist, actor, artist and author, whose activism has spanned over 30 years, including the legendary siege of Wounded Knee 1973. Once called "the most famous American Indian since Sitting Bull and Crazy Horse" by the Los Angeles Times, Russell's current projects include running for governor of New Mexico, realizing his vision of a Total Immersion School in the Lakota Sioux culture and language, developing alternative energy on the Pine Ridge Sioux Reservation in South Dakota that will ensure social and economic stability for future generations.

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John Robbins is the author of *The Food Revolution: How Your Diet Can Help Save Your Life and Our World, Diet for a New America: How Your Food Choices Affect Your Health, Happiness, and the Future of Life on Earth,* and *Reclaiming Our Health: Exploding the Medical Myth and Embracing the Source of True Healing.* John walked away from his father's company, Baskin-Robbins, and the immense wealth it represented to "...pursue the deeper American Dream...A dream of a society that is truly healthy, practicing a wise and compassionate stewardship of a balanced ecosystem."

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Judy is Founder and President of White Dog Enterprises, Inc., which operates the White Dog Cafe and an adjoining retail store, The Black Cat. The cafe is dedicated to purchasing from local organic family farms, hiring from inner city communities, paying a "living wage" to all staff, and social activism. Judy has convened the SVN Living Economies Initiative to advance sustainable local economies by promoting local networking of like-minded entrepreneurs, promoting local sourcing, purchasing from rural, inner-city, and other locally owned companies and producers, protecting local natural resources and demonstrating and teaching environmentally sustainable practices.

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