

|                              |                   |                     |                     |                 |                |       |             |         |  |
|------------------------------|-------------------|---------------------|---------------------|-----------------|----------------|-------|-------------|---------|--|
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| ABOUT the bfi                | HUMANITY'S option | WHO IS r.b. fuller? | BOOKS AND resources | COMMUNITY links | DESIGN science | DOMES | SYNERGETICS |         |  |

## Volume 3, Number 9

BFI News brings you news from around the world related to humanity's option for success and comprehensive anticipatory design solutions. It also features updates from BFI and periodic special offers for members.

[Food For Thought](#)  
[Trends and Perspectives](#)  
[Resources](#)  
[Events](#)  
[BFI Update](#)

### Food For Thought

#### That Mysterious Integrity

"The world will be saved by individuals of integrity freely joining."

-R. Buckminster Fuller

[back to top](#)

### Trends and Perspectives

#### Economists Say it Pays to Save Nature

A study has found wild ecosystems are around 100 times more economic than ones converted to human use. Research published in the journal Science found goods and services such as climate regulation, water filtration and tourism earn more money and cost less in upkeep.

Experts say a network of global nature reserves would deliver 100 times more in goods and services than converted land.

[http://www.ananova.com/news/story/sm\\_646393.html?menu=news.scienceanddiscovery](http://www.ananova.com/news/story/sm_646393.html?menu=news.scienceanddiscovery)

(Source: Ananova)

#### Algae: Power Plant of the Future?

Common algae found in ponds and rivers might be harnessed to produce non-polluting hydrogen-based energy.

[http://go.hotwired.com/news/technology/0,1282,54456,00.html/wn\\_ascii](http://go.hotwired.com/news/technology/0,1282,54456,00.html/wn_ascii)

(Source: Wired)

#### Fast-Moving Nanotechnology Could Help Environment

For scientists who study it, nanotechnology is considered a clean technology ~ perhaps even the key to solving some current environmental ills. And the field is advancing rapidly.

[http://enn.com/news/wire-stories/2002/09/09062002/ap\\_48365.asp](http://enn.com/news/wire-stories/2002/09/09062002/ap_48365.asp)

(Source: Environmental News Network)

#### Environmentalists See Possible Risks in Nanotechnology's Marvelous Potential

It's supposed to make computers small enough to implant into a wrist and supply materials that strengthen and lighten bridges and airplanes. It might even cure cancer.

[http://enn.com/news/wire-stories/2002/09/09102002/ap\\_48381.asp](http://enn.com/news/wire-stories/2002/09/09102002/ap_48381.asp)

(Source: Environmental News Network)

[back to top](#)

## Resources

### **New Tool Crunches Numbers on Buildings' Energy Use**

A new tool lets building designers estimate the energy life cycle costs of a new building by simply entering numbers into the program.

[http://www.greenbiz.com/news/news\\_third.cfm?NewsID=21645](http://www.greenbiz.com/news/news_third.cfm?NewsID=21645)

### **Powers of Ten**

Here's a nice graphic on a website which illustrates 'The Powers of Ten'. It is similar to a short film originally done by Charles Eames. Please note: it may take a little while to load in your browser.

<http://micro.magnet.fsu.edu/primer/java/scienceopticsu/powersof10/index.html>

### **Nasa's Earth Observatory & The Blue Marble**

The spectacular "blue marble" image is the most detailed true-color image of the entire Earth to date. Using a collection of satellite-based observations, scientists and visualizers stitched together months of observations of the land surface, oceans, sea ice, and clouds into a seamless, true-color mosaic of every square kilometer (.386 square mile) of our planet.

These images are freely available to educators, scientists, museums, and the public. Preview images and links to full resolution versions - up to 21,600 pixels across - are located below.

<http://earthobservatory.nasa.gov/Newsroom/BlueMarble/>

### **Web Tool Shows Print Media Impact on World's Forests**

The Magazine PAPER Project has launched a new Web-based calculator that offers magazine publishers and readers the opportunity to calculate the number of trees that are logged as a result of printing any particular U.S. magazine on non-recycled paper.

[http://enn.com/news/enn-stories/2002/09/09182002/s\\_48399.asp](http://enn.com/news/enn-stories/2002/09/09182002/s_48399.asp)

[back to top](#)

## Events

### **Corporate Social Responsibility**

October 2-4, 2002  
New York, NY

International speakers will gather at The Ethical Corporation magazine conference and training seminar on 2-4 October 2002 in New York to explore the business case for effective management of corporate social and environmentally responsible issues.

<http://www.ewire-news.com/wires/20F5E8A3-F3E5-431C-A1552A812AF88496.htm>

### **The Ecological Design Revolution**

October 12, 2002  
Ocean Arks, Burlington, VT

Explore the history, concepts, and people behind this growing movement that looks to nature for the knowledge to help us build sustainable human systems.

### **Recycling Aquaculture**

October 26, 2002  
Ocean Arks, Burlington, VT

Learn how aquatic ecologies can be engineered to provide clean water for cultivation by converting fish wastes into fish feeds and producing vegetables at the same time with minimal inputs.

For more information on these and other upcoming workshops, call Ryan Case at (802) 860-0011 or email [education@oceanarks.org](mailto:education@oceanarks.org)

<http://www.oceanarks.org>

[back to top](#)

## BFI Update

### The History (and Mystery) Returns!

The one-man show about the life and work of Buckminster Fuller, "The History (and Mystery) of the Universe" is back in San Francisco with opening night on October 20.

BFI will have a display in the 26 foot geodesic dome in the Project Artaud Theater lobby and will be sponsoring a lecture series called "Bucky Up Close" following selected Saturday matinees.

Saturday, October 19th at 5:30pm features Jaime Snyder, Fuller's grandson. Join us as Jaime reflects on growing up and working with Fuller, and founding the Buckminster Fuller Institute.

Other speakers and dates will be announced via this e-bulletin and will also be posted on our home page at <http://www.bfi.org> and the Foghouse web site at <http://www.foghouse.com>

Join us on October 9 for the raising of the dome at the Project Artaud Theater starting at 1pm. Call Rich Baker at (415) 587 6747 for more information and to get involved. Project sponsored by Timberline Geodesics - <http://www.domehome.com>

## In Memory

Over the past month, BFI received news of the passing of two wonderful individuals that have made significant contributions to the explorations of Design Science and Humanity's Option. Below are the links to obituaries honoring these pioneering Design Scientists and we encourage you to take a moment to read them.

Arthur Loeb, Leader in Design, Dies at 79

Arthur Lee Loeb, who was a life-long associate of Fuller's and contributed the preface to Fuller's "Synergetics", died July 19. He was 79.

A senior lecturer and honorary associate in the Department of Visual and Environmental studies, Loeb was an internationally renowned leader in the field of design science. Throughout his career, he successfully combined the worlds of science and art, devising a language of spatial patterns that he described as "Visual Mathematics."

<http://www.news.harvard.edu/gazette/2002/08.22/08-loeb.html>

Stafford Beer World leader in the development of operational research, dies at 75

Professor Stafford Beer, who has died aged 75, was a leading exponent of cybernetics, the theory devised in the 1940s by Norbert Wiener which applied lessons from biology to the management of organizations, and which Beer applied to the management of business.

A charismatic, even flamboyant, character, Beer was a pioneer in the field of Operational Research and was a world leader in the development of systems ideas. He is widely acknowledged as the founder of management cybernetics, which he defined as "the science of effective organization".

<http://www.guardian.co.uk/obituaries/story/0,3604,785671,00.html>

If you would like to receive an email when the map is ready, please email [lauren@bfi.org](mailto:lauren@bfi.org) with the words "map poster" in the subject line.

Thank you for your patience and we apologize for any inconvenience! You can look forward to a beautiful new map!

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[back to top](#)

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