

Welcome to Vol. 6 No. 8 of BFI_News, the e-bulletin
of the Buckminster Fuller Institute

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

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BFI UPDATE

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The staff of the Buckminster Fuller Institute would like to
extend our condolences to all those affected by Hurricane
Katrina. The physical and emotional damage done by the natural
disaster and the appalling lack of leadership that followed
points to the ever-increasing need for the implementation of
Fuller's work, especially in our most vulnerable communities.
We urge all of our e-bulletin readers to do what you can to
donate time and money to help those in need.

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DESIGN SCIENCE LAB

The first annual Design Science Summer Lab was a complete
success and planning is already underway for next year's
lab. For more information or if you are interested in
participating in next year's program, please sign up for
the 2006 mailing list using the link below:

<http://www.bfi.org/summerlab/2006mail.php>

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DYMAXION ARTIFACTS STORE UPDATE

Featured Item: Tetra Tops

BFI is proud to introduce Tetra Tops to our inventory lineup.
Stack them, spin them, or admire them on your desk, Tetra Tops
allow you to hold the concepts of Synergetics in the palm of
your hand. Set includes two Tetra Tops, two limited edition
trading cards, and an educational "launch manual." Tetra Tops
are the first spinning tops with more than one axis of spin
and have been featured in Discover Magazine, the New York
Times, Gear Magazine, Child Magazine, Popular Science, and
Newsweek.

Visit the Dymaxion Artifacts online store for more details or to place your order.

<http://bfi.easystorecreator.com/>

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Need to renew your BFI membership? If you are a current member and would like to continue receiving the benefits of membership, please visit our membership homepage at

<http://www.bfi.org/membership.html>

Not a member? Find out what you're missing!

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FOOD FOR THOUGHT

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Never before in all history have the inequities and the momentums of unthinking money-power been more glaringly evident to so vastly large a number of now literate, competent, and constructively thinking all-around-the-world humans. There's a soon-to-occur critical-mass moment when the intuition of the responsibly inspired majority of humanity, in contradistinction to the angered Luddites and avenging Robin Hoods, faced with comprehensive functional discontinuity of nationally contained techno-economic system, will call for and accomplish a world-around reorientation of our planetary affairs.

-- Grunch of Giants
R. Buckminster Fuller

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TRENDS & PERSPECTIVES

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Dreaming of a new New Orleans

What follows are very preliminary thoughts on principles for eventually creating a "New New Orleans," one that is more environmentally secure, more economically successful, and more socially healthy and equitable, while retaining the culture that made it world famous. As the news reports continue to create a picture of the city's horrible descent into hell, such an exercise feels a bit foolhardy; but there is so much dreaming to be done, to restore this great and wondrous city, that the dreaming must begin now.

<http://www.worldchanging.com/archives/003425.html>

(Source: Worldchanging)

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Taiwan's amateur enviro-spies

Deputizing volunteers to be enviro-snoops is just the latest effort by Taiwan to curb the pollution that has accompanied its rapid development over the past 50 years. It's also indicative of an emerging civic activism in this young democracy.

<http://www.csmonitor.com/2005/0824/p01s04-woap.html>

(Source: Christian Science Monitor)

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LifeStrawTM

The worlds greatest killer is diarrhoeal diseases from bacteria like typhoid, cholera, e. coli, salmonella etc. With LifeStrawTM, which lasts for one persons annual needs of clean water, nobody needs to die from these diseases. This design is made with special emphasize on avoiding any moving parts, to disregard spare parts, and to avoid the use of electricity, which does not exist in many areas in the 3rd world. But as you need force to implement the filtering, we have chosen to use the natural source of sucking, that even babies are able to perform. We have managed to produce this product at a price that people in this business find hard to believe, but we have found it essential to be able to present a price to the consumer in the 3rd world that they find affordable. When fully used in the 3rd world this will indeed be a LifeSaver.

<http://www.index2005.dk/Members/dafude/bodyObject>

(Source: Index)

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Molecular motors push liquid uphill

Droplets of liquid have been moved uphill by molecular motors designed to manipulate Brownian motion. While other researchers have found ways to make drops of liquids move before, what is new here, says David Leigh at the University of Edinburgh, is the use of molecular motors to achieve it: "This is the first time you can use molecular-level motion to move a macroscopic object. OK, so it's only a tiny droplet ^ but it's a

start."

<<http://www.newscientist.com/article.ns?id=dn7911>>

(Source: New Scientist)

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Scientists try to harness wave energy

"There is tremendous potential in the oceans to supply energy for the world," Annette von Jouanne, an Oregon State electrical engineering professor told the crowd. "A 10-square-mile wave power plant could supply the entire state of Oregon." The electric institute and the Bonneville Power Administration identified the Gardiner site as the ideal place for the project in their feasibility study. The former mill has an outflow pipe already in place -- a structure that could reduce the cost of building a power plant. Electricity from the Gardiner site could be transmitted to other stations up and down the coast.

<<http://www.newsday.com/news/health/ny-sns-ap-wave-research,0,3179373.story>>

(Source: Newsday)

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RESOURCES

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Hemp Plastic

Hemp has also been used for thousands of years for food, clothing, fuel and paper. Hemp is the non-drug form of cannabis. This industrial hemp is becoming known as the crop of the future. We are making it the crop of the present. In 1997 a company, a university, professors and other industry developed a 25% Hemp plastic product called 'high fly'. This product was developed using unique expertise and resourceful corporations. Various grade hemp plastic materials suitable for injection moulding and other 100% hemp biodegradable materials for other uses will soon be commercially available. The first commercially viable and technically superior first hemp plastic material is now used in our CD and DVD trays that are available in bulk.

<<http://www.hempplastic.com/newSite/index.htm>>

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Global Footprint Network

Advancing the Science of Sustainability

The Global Footprint Network is committed to fostering a world where all people have the opportunity to live satisfying lives within the means of Earth's ecological capacity. We are dedicated to advancing the scientific rigor and practical application of the Ecological Footprint, a tool that quantifies human demand on nature, and nature's capacity to meet these demands. Created in 1993 by Mathis Wackernagel and William Rees, the Ecological Footprint is now in wide use by governments, communities, and businesses to monitor current ecological resource balances and to plan for the future.

<http://www.footprintnetwork.org/>

(Special thanks to e-bulletin reader Daniel Gildesgame, Ph.D. for suggesting this resource)

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EVENTS

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Synergetics Fall 2005 Symposium "Synergetics in the Arts"
Noguchi Museum
32-37 Vernon Blvd.
Long Island City, New York 11106
Saturday, November 19 2005, 10AM - 6PM
Sunday, November 20 2005, 10AM - 6PM

SNEC will be holding a juried art show for participants of the symposium. To participate please print and submit the Art Show Registration Form. Please note the deadline for entry is October 1st. Presentations should relate Buckminster Fuller's Synergetics to the arts. Representative topics include literature, poetry, music, painting, film, photography, sculpture, theater, dance, architecture, virtual art, and interrelationships in the arts. Of course, a relationship to Synergetics ought to be central.

For more information including directions and registration info. please visit:

<http://www.cjfeanley.com/snec/snec.announce.meeting.2005.11.html>

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International Congress of Nanotechnology 2005
San Francisco, CA
October 31 - November 4

Special focus: The ROAD MAP for NANOTECHNOLOGY INDUSTRY will

be presented at the General Assembly of the ICNT 2005 on November 1, 2005.

As of August 1, we are pleased to have more than 175 speakers and presenters from 35 countries.

The International Congress of Nanotechnology will cover a complete spectrum of the emerging field of Nanotechnology: from the latest research and development in nanomaterials, nanoelectronics, nanophotonics, nanobiotechnology, nanomedicine, nanoethics, education, environmental, societal and health and safety implications, to nanotech venture capital investment and technology joint venture.

To view a partial list of speakers, please visit:

<http://www.nanotechcongress.com>

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Solar Decathlon

October 7-16
National Mall
Washington, D.C.

The Solar Decathlon is a competition in which teams of college and university students compete to design, build, and operate the most attractive, effective, and energy-efficient solar powered house. The Solar Decathlon is also an event to which the public is invited to observe the powerful combination of solar energy, energy efficiency, and the best in home design.

The event takes place on the National Mall in Washington, D.C. The teams' houses and the sponsors' educational exhibits form a solar village, which is open to the public, October 7-16, 2005. The teams' houses will be open for touring everyday except October 12, when they will close for competition purposes. An overall winner will be announced midday on October 15. See the schedule for more information.

http://www.eere.energy.gov/solar_decathlon/about.html

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Have you come across interesting Design Science news articles, resources, or events?

We invite you to forward them so we can consider them for inclusion in future e-bulletins. Send them to:
mbarron@bfi.org

If we use your suggestion for future e-bulletins and you

would like to be credited by name, please indicate it in your e-mail.

Thank You!

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