From:	Cathy Boggs
To:	Cathy Boggs
Subject:	Fwd: FW: [CNS-weekly-clips] CNS News Clips, May 16-31, 2011
Date:	Monday, February 06, 2012 4:44:36 PM
Attachments:	Untitled attachment 00094.txt

-------- Original Message --------
Subject: FW: [CNS-weekly-clips] CNS News Clips, May 16-31, 2011
Date: Fri, 10 Jun 2011 11:47:00 -0700
From: Cathy Boggs <cboggs@carseywolf.ucsb.edu>
To: <cboggs@cns.ucsb.edu>

From: cns-weekly-clips-bounces@lists.isber.ucsb.edu [mailto:cns-weekly-clips-bounces@lists.isber.ucsb.edu] **On Behalf Of** CNS - Weekly News Clips from UCSB
Sent: Thursday, June 02, 2011 12:57 PM
To: cns-weekly-clips
Subject: [CNS-weekly-clips] CNS News Clips, May 16-31, 2011

Center for Nanotechnology in Society

University of California, Santa Barbara

www.cns.ucsb.edu
News Clips

May 16-31, 2011

Top Deck
What the nation's (& world's) top papers, news wires and sources have been saying about nanotechnology.

Union seeks ban on nanoparticle sunscreen
ABC News (Australia)
May 18
Rachel Carbonell

"Public concerns over the safety of sunscreens which contain nanoparticles is continuing to grow."

Teachers' warning on nano sunscreen
The Age (Australia)
May 18
Jewel Topsfield

"VICTORIAN schools will be urged to avoid sunscreens that contain nanoparticles amid fears they could pose a health risk."

Fruit Flies Shake Off Silver Nanoparticles
ACS
May 19
Naomi Lubick

"As nanoparticles become ubiquitous in consumer products, scientists want to understand the chemicals' effects on organisms in the environment. In a new study, researchers investigate the chronic toxicity of silver nanoparticles on fruit flies and find that the flies can adapt to the tiny particles over just a few generations."

The Danger of Industrial Optimism: The Challenger Syndrome
Huffington Post
May 23
Terry Newell

"On January 28, 1986, the Challenger space shuttle exploded 73 seconds after liftoff, killing all seven astronauts and prompting a full-scale investigation of the tragedy. The Rogers Commission found that the technical cause of the accident was the failure of two rubber O-rings to seal properly in the solid-rocket booster, allowing its hot gases to burn through and ignite the main fuel tank."

Nano-based pill could reduce fat and sugar in food
Jerusalem Post
May 24
Judy Siegel-Itzkovich

"Researchers at Hebrew University and Harvard University have developed dietary supplement that can reduce amount of fat absorption in body."

Nanotechnology is providing a 'toolkit' for advances in many areas of science
Guardian (U.K.)
May 25
Alok Jha

"Nanoscience remains a cutting-edge subject, operating on a truly remarkable scale imperceptible to the human eye. But from aircraft design to the fashion industry, the application of the technology is already widespread - and that is only the start."

Studying Single Molecules
U.S. News and World Report (NSF)
May 27
Marlene Cimons

"Everything is composed of molecules, including human cells and non-living materials. Not surprisingly, if scientists want to better understand the action of cells or how chemical reactions can create compounds, it helps to know more about how single molecules behave."

Big Plans for Nanotechnology in Russia
Scientific American
May 30

"'As has often happened in Russia, we have had the priority in scientific invention, but completely lose the market,' Anatoly Chubais, chief executive of the Russian Corporation of Nanotechnologies, Rusnano, told members of the *Scientific American* international editions during a visit today. The state-owned venture-capital company aims to change that, intending to grow Russian-made nanotechnology products, now just 2 percent of the international market, into large-scale domestic industry by 2015."

Local

Experts Differ On Nano Risk
New Haven (CT) *Independent*
May 18
Gwyneth K. Shaw

"A broad range of opinions exists on whether nanotechnology is full of promise, larded with risks or somewhere in between. That comes across loud and clear in a new survey of innovators, toxicologists and regulators."

Testing Nano: How Much Is Too Much?
New Haven (CT) *Independent*
May 20
Gwyneth K. Shaw

"Among the scores of researchers hustling to study the impact of nanotechnology on people, animals and the environment, a debate is growing: How much of the super-small stuff should they use to test for safety?"

Nanotech company scales up operations
Boston Herald
May 22
Donna Goodison

"A Cambridge CEO's drive to 'evangelize' her company's nanotechnology coating

systems has resulted in large-scale success."

Great potential found in Nanotechnology
Dixie Sun (Utah)
May 24
Mark Schurr

"With the advent of Nanotechnology, immortality and owning an abundance of everything is possible."

Some Sunscreens Have A New Mini-Secret
New Haven (CT) *Independent*
May 30
Gwyneth K. Shaw

"Check the label on a sunscreen for sale in this Whalley Avenue pharmacy aisle, and you'll get advice for applying it, a warning not to get it in your eyes and a list of ingredients."

WVU research works with nanotechnology
West Virginia Public Radio
May 31
Ben Adducchio

"Nanotechnology is the study of materials at their smallest levels to advance research in fields from electronics to medicine. Nanotechnology research is happening at West Virginia University."

Nanotechnology pioneer leaves government post unexpectedly
Examiner.com (TX)
May 31
Colonel Mason

"The sudden departure of Clayton Teague as director of the National Nanotechnology Coordination Office (NNCO) in mid-April is now raising questions since it occurred only one day after Teague appeared before congress."

Nano Press

What nano-centered publications are reporting

Nanotechnology Improves Durability of Mountain Bike Shoes
Azonano
May 18

"Teva, a division of Deckers Outdoor Corporation, has chosen revolutionary ion-mask technology to protect its new Links mountain bike shoes, which are due for launch into retail by early August 2011."

Removable 'cloak' for nanoparticles helps them target tumors
Azonano
May 20

"Chemical engineers at the Massachusetts Institute of Technology have designed a new type of drug-delivery nanoparticle that exploits a trait shared by almost all tumors: They are more acidic than healthy tissues. Such particles could target nearly any type of tumor, and can be designed to carry virtually any type of drug, says Paula Hammond, a member of the MIT-Harvard Center of Cancer Nanotechnology Excellence and leader of the investigators who built these new nanoparticles. The results of their experiments were published in the journal *ACS Nano*."

Porous nanoparticles deliver drug cocktails to tumors
Nanowerk
May 20

"Melding nanotechnology and medical research, researchers from Sandia National Laboratories, the University of New Mexico, and the UNM Cancer Research and Treatment Center have produced an effective strategy that uses nanoparticles to treat tumors with a mélange of anticancer agents. This strategy relies on using silica nanoparticles honeycombed with cavities that can store large amounts and varieties of drugs loaded inside a lipid-based nanoparticle known as a liposome."

Heating pinpoints internal cracks in nanoengineered composites
Nanotechweb
May 26

"Internal cracking, damage and defects can develop in a material over time and result in failure of the structure. Although there are several non-destructive evaluation techniques for detecting damage in structures, to date such techniques have been difficult and expensive to implement during the service life of a structure. Composite materials, such as those used in planes, bridges and buildings, provide opportunities for overcoming these problems. Composites provide room for engineering new functionality into a material, such as an inner 'nervous system' that could relay damage information."

Hair Tools Release the List of Nanotechnology- based Top Ten Flat Irons
Azonano
May 31
Cameron Chai

"Hair Tools have released the list of the Best Flat Irons for the year 2011, which is a consolidation of the votes from their customers."

Other (science) issue related to nanotechnology

Cancer on the breath? The nose knows

Physorg
May 16

"A breath test for 'sniffing out' cancer in a person's breath is a step closer to reality, according to a study recently published in the *British Journal of Cancer*. The study results show that the device developed by Prof. Hossam Haick of the Technion Department of Chemical Engineering and the Russell Berrie Nanotechnology Institute can identify chemical signals in the breath of cancer patients even those with difficult-to-detect head-and-neck cancer."

Escaped nanoparticles hazardous to crops, says study
Environmental Expert.com
May 18

"Nanoparticles that escape during the manufacture and use of consumer products would substantially reduce the growth of wheat were they to end up in soil, according to Chinese scientists."

Nanotechnology Rejuvenates the Heart
Big Think.com
May 19

Experimenters at Brown University and the India Institute of Technology Kanpur have created a small mesh of carbon nanofibers that, when placed on dead heart tissue resulting from a heart attack, regenerates the dead tissue.

Wisconsin GOP eliminates committee studying impact of nanoparticles
Dane 101.com
May 23
Nathan J. Comp

Last week, and without much reason, Republicans killed a study committee established in 2007 to examine the potential health and environmental effects of nanoparticles used in an array of consumer goods.

Lockheed Martin reveals F-35 to feature nanocomposite structures
Flight Global
May 26
Stephen Trimble

Lockheed Martin has revealed the F-35 Lightning II will be the first mass-produced aircraft to integrate structural nanocomposites in non-load bearing airframe components.

Should We Fear Grey Goo?
Big Think
May 26

Nanoscale technology offers many benefits - be it in aerospace materials, medical treatments or improving computer devices, and so on - but what are the possible downsides?

When little things have big effects: Nanotechnology impacts local economy
Business Lexington (KY)
May 26
Paul Sanders

Sometimes the smallest things can have a great effect. Take the study of miniscule particles, referred to as nanotechnology. In 2006, a total of 212 products were developed based on this new technology. In March of this year, that number had reached 1,317 products for an increase of 521 percent.

From seawater to freshwater with a nanotechnology filter
Eurekalert
May 31

"In this month's *Physics World*, Jason Reese, Weir Professor of Thermodynamics and Fluid Mechanics at the University of Strathclyde, describes the role that carbon nanotubes (CNTs) could play in the desalination of water, providing a possible solution to the problem of the world's ever-growing population demanding more and more fresh drinking water."