What's at Stake: This newsletter is divided into three closely related parts: I. Nutrition and Health; II. Animal Rights and Human Obligations; and III. Increasing Global CO2, Warming, and Extreme Weather. Global warming and population/consumption increases require a keener, more serious and realistic campaign for feeding the people and animals of the planet. The demands and stresses upon people will mean increasing and worse stresses upon animals. A global future of increasing CO2, warming, and more extreme and intense weather is certain. Their impact upon food production for a still rapidly increasing 7 billion—soon to be 9 billion—people and for all their animals can only be vaguely estimated, but it is sure to be horrendous and at places catastrophic. Because preparation for that future has hardly begun because of so many ill-educated, denying, wishful-thinking, escapist leaders, particularly Republicans, the people must be responsible for building capable affirmative government. Dick

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Nutrition, Toxics

Abel Tomlinson, Talk on Factory Meat at Anti-Monsanto Rally
Nanotechnology-based Foods, Metal in Foods
NUTRITION, HEALTH
THANKS TO ABEL TOMLINSON FOR HIS TALK ON FACTORY FOOD

good morning AT

Your talk May 24th during the recent March Against Monsanto rally here about the dangers of consuming meat from factory farm raised chickens (or pigs or beef) that this region has become internationally famous for was right on target. Local activists are raising some related environmental degradation issues as they battle to shut down the pig Concentrated Animal Feeding Operation (CAFO) in the watershed of the Buffalo River in Newton Co.

I would hope that this anti-CAFO effort can expand its educational focus to include the issue of how dangerously unhealthy the US model of animal meat production for human consumption is in addition to how completely inhumane this practice is to the animals.

A tall order I understand but by completing the picture it makes a more compelling argument for the disastrous consequences on so many fronts of following this Big Ag unsustainable profit driven model.

david d for Peoples' Action for a Safe Environment (PASE)

Big Dairy Is Putting Microscopic Pieces of Metal in Your Food

It turns out that if you break common substances like silver and nickel into really, really tiny particles—measured in nanometers, which are billionths of a meter—they behave in radically
different ways.

According to the Project on Emerging Nanotechnologies, there are more than 1,600 nanotechnology-based consumer products on the market today, including 96 food items currently on US grocery shelves. Examples include brands of Greek yogurt, soy milk, and Kraft’s iconic American Cheese Singles. [READ MORE]

Chlorine in Your Chicken: Why Poultry Is More Dangerous Than Ever

Tracie McMillan, OnEarth.org

McMillan writes: "Usually she packed drumsticks, but whichever part of the bird she happened to be packing on a given shift, the smell was as constant as it was noxious: a combination of raw poultry and chlorine, the latter emanating from the pathogen-killing chemical bath that the carcasses—often contaminated with fecal matter—would receive during processing.” [READ MORE]

RIGHTS OF ANIMALS and HUMAN OBLIGATIONS

Bees

- Did Scientists Just Solve the Bee Collapse Mystery?
- Are Your Delicious, Healthy Almonds Killing Bees?
- First We Fed Bees High-Fructose Corn Syrup, Now We've Given Them a Killer Virus?
- The EPA Moves to Save Bees from Pesticides—Sort Of
- "Promiscuous" Bees and Vanishing Insects Mean Less Food for Us

Two studies reveal how insects are having a harder time pollinating essential food cro...

Christian Debate Over Human Obligations to Animals

Good News for Animals?

Christian Approaches to Animal Well-Being

In Good News for Animals, fifteen men and women debate the ambiguous legacy of Christian approaches to animals and their well-being. The book is structured by four questions: What has been said about animals in the past? What is being said about animals today? How should Christians respond to current concerns about animals?

Contributors:
Carol Adams
John Berkman
Richard M. Clugston
John B. Cobb Jr.
Gary Comstock
George Frear
William French
Stanley Hauerwas
L. Shannon Jung
Andrew Linzey
Theodore Walker
Tom Regan
Rosemary Radford Ruether

Contributors

Endorsements & Review

Other Books by Jay B. McDaniel

Other Books by Charles Pinches
News for animal rights

1. **Glastonbury:** Animal rights activists launch petition to ban Metallica from performing at Glastonbury later this month. Since it was ...

   *Telegraph.co.uk* - 1 day ago

   An online petition has been launched by animal rights activists to ban Metallica from performing at Glastonbury later this month. Since it was ...

2. **Animal rights** group calls for MIT fine after death of rabbit in lab

   *Chicago Tribune (blog)* - 1 day ago

3. **Animal** shelter offers hope to feral cats, abandoned pets

   *Arab News* - 20 hours ago

More news for animal rights

2. Why Animal Rights? | Uncompromising Stands on ...

   *www.peta.org/.../why-animal*

   People for the Ethical Treatment of Animals

   This is an important distinction when talking about animal rights. People often ask if animals should have rights, and quite simply, the answer is “Yes!” Animals ...

3. People for the Ethical Treatment of Animals (PETA): The ...

   *www.peta.org/

   People for the Ethical Treatment of Animals

   PETA's animal rights campaigns include ending fur and leather use meat and dairy consumption fishing hunting trapping factory farming circuses bull fighting ...

4. Images for animal rights

   Report images

More images for animal rights

5. Animal Rights: The Abolitionist Approach | ...and Abolition ...

   *www.abolitionistapproach.com/

   Gary L. Francione

   May 13, 2014 - The mission of this website is to provide a clear statement of a nonviolent approach to animal rights that (1) requires the abolition of animal ...

6. Primer on Animal Rights -- The Vegetarian Resource Group

   *www.vrg.org/nutshell/animalrights.htm*
Vegetarian Resource Group

**Animal rights** is the philosophy of allowing non-human animals to have the most basic rights that all sentient beings desire: the freedom to live a natural life free ...

7. **Animal Welfare Act** | **Animal Welfare** Information Center
awic.nal.usda.gov/.../animal...

United States National Agricultural Library

The **Animal Welfare** Act was signed into law in 1966. It is the only Federal law in the United States that regulates the treatment of animals in research, exhibition, ...

8. **BBC - Ethics - Animal ethics:** **Animal rights**
www.bbc.co.uk/ethics/animals/rights/rights_1.shtml

BBC

This article discusses whether non-human animals have rights, and what is meant by **animal rights**.

9. **Animal Rights** Coalition
animalrightscoalition.com/

The **Animal Rights** Coalition's Minnesotans Exposing Petland campaign demonstrates outside Petland stores to educate the public about Petland's selling of ...

10. **Animal Concerns Community**
www.animalconcerns.org/

Information and FAQs on the **animal rights** movement.

11. **Animal** Concerns Community

12. **Animal** Cruelty Is the Price We Pay for Cheap Meat
Rolling Stone -

Dec 2013

A small band of **animal rights** activists have been infiltrating the factory farms where animals are turned into meet under the most horrific circumstances. Now the agribusiness giants are ...

Explore: **animal abuse**

13. **Animal** Liberation at 30
The New York Review of Books -

May 2003

The Animal Question: Why Non-human Animals Deserve Human Rights ... become known as the **“animal rights** movement”—although the ethical position on which the movement rests ...
GLOBAL WARMING, CLIMATE CHANGE

REVIEW OF BOOK ON CONTEXTS OF FOOD SECURITY IN A WARMING CO2 WORLD, PASKAL’S GLOBAL WARRING by Dick Bennett

Paskal writes to readers who readers who understand the facts of warming. Her concern is with future effects of more extreme and intense weather globally; for example, Paskal pays attention to India's droughts and flooding monsoon rains.

Thus Paskal seeks to “use the best science available to understand the implications of the inevitable [climate change] in order to minimize the geopolitical, economic, and security fallout. That is what this book is about.” “Environmental change” is her encompassing subject, of which climate change is a part. Consequently she has read large-scale assessments, such as the Pentagon’s 2007 National Security and the Threat of Climate Change, and she studies such problems as “massive population and consumption increases” which have resulted “in major environmental change” (groundwater depletion, deforestation, etc.). In her search to understand the carrying capacity of the planet, she factors in all aspects of environmental change for global stability. Katrina is a recurrent topic “to show how poor regulations, planning, and emergency response [“the myriad ways we interact with our environment”] can aggravate the crises that will almost certainly increase as a result of climate change.” Each nation, state, city must know its vulnerabilities: New Orleans was struck by a hurricane made disastrous by large-scale subsidence, caused in part by wetland drainage and extraction of groundwater, and caused also by poorly designed waterways, faulty levee design and implementation, poor town planning, incompetent emergency services, and a breakdown in chain of command. Only knowledge of all conditions will enable us to minimize the fallout; only such knowledge can “create a solid base upon which we can start to build a sound analysis of what the future may bring. I hope very much that others will then take a more detailed look at the range of specific implication.”

She divides her book into four parts: I. How the West might be affected by rising sea levels and storm surges, and how major nations are “shockingly vulnerable.” II. The
importance of transportation routes and how climate change is changing those routes. III. Changing precipitation patterns and resulting national relations. IV. Rising sea levels especially as they affect China and Pacific nations. And the Conclusion “assesses various national adaptation programs, with a view to finding out which nations have the best chance of making it....” All sections touch upon internal and cross-borders disruptions and conflicts, access to natural resources, and changing political alliances and opponents.

Her hope? If we have some idea of what is coming, we can plan for it.

But she stops short of assessing the violence, the wars resulting from the dislocations she describes. Coincidentally, another new book engages these very futures: Parenti’s Tropic of Chaos.

http://readersupportednews.org/opinion2/277-75/23601-rising-co2-levels-will-make-staple-crops-less-nutritious

Rising CO2 Levels Will Make Staple Crops Less Nutritious
By Todd Datz, EcoWatch. 11 May 14

At the elevated levels of atmospheric carbon dioxide (CO2) anticipated by around 2050, crops that provide a large share of the global population with most of their dietary zinc and iron will have significantly reduced concentrations of those nutrients, according to a new study led by Harvard School of Public Health (HSPH). Given that an estimated 2 billion people suffer from zinc and iron deficiencies—resulting in a loss of 63 million life years annually from malnutrition—the reduction in these nutrients represents the most significant health threat ever shown to be associated with climate change.

“This study is the first to resolve the question of whether rising CO2 concentrations—which have been increasing steadily since the Industrial Revolution—threaten human nutrition,” said Samuel Myers, research scientist in the Department of Environmental Health at HSPH and the study’s lead author. The study appears online May 7 in Nature.

Some previous studies of crops grown in greenhouses and chambers at elevated CO2 had found nutrient reductions, but those studies were criticized for using artificial growing conditions. Experiments using free air carbon dioxide enrichment (FACE) technology became the gold standard as FACE allowed plants to be grown in open fields at elevated levels of CO2, but those prior studies had small sample sizes and have been inconclusive.

The researchers analyzed data involving 41 cultivars (genotypes) of grains and legumes from the C3 and C4 functional groups (plants that use C3 and C4 carbon fixation) from seven different FACE locations in Japan, Australia and the U.S. The level of CO2 across all seven sites was in the range of 546 to 586 parts per million (ppm). The researchers tested the nutrient concentrations of the edible portions of wheat and rice (C3 grains), maize and sorghum (C4 grains), and soybeans and field peas (C3 legumes).

The results showed a significant decrease in the concentrations of zinc, iron and protein in C3 grains. For example, zinc, iron and protein concentrations in wheat grains grown at the FACE sites were reduced by 9.3 percent, 5.1 percent, and 6.3 percent, respectively,
compared with wheat grown at ambient CO2. Zinc and iron were also significantly reduced in legumes; protein was not.

The finding that C3 grains and legumes lost iron and zinc at elevated CO2 is significant. Myers and his colleagues estimate that 2 billion to 3 billion people around the world receive 70 percent or more of their dietary zinc and/or iron from C3 crops, particularly in the developing world, where deficiency of zinc and iron is already a major health concern.

C4 crops appeared to be less affected by higher CO2, which is consistent with underlying plant physiology, as C4 plants concentrate CO2 inside the cell for photosynthesis, and thus they might be expected to be less sensitive to extracellular changes in CO2 concentration.

The researchers were surprised to find that zinc and iron varied substantially across cultivars of rice. That finding suggests that there could be an opportunity to breed reduced sensitivity to the effect of elevated CO2 into crop cultivars in the future.

In addition to efforts to reduce CO2 emissions, breeding cultivars with reduced sensitivity to CO2, biofortification of crops with iron and zinc, and nutritional supplementation for populations most affected could all play a role in reducing the human health impacts of these changes, said Myers. “Humanity is conducting a global experiment by rapidly altering the environmental conditions on the only habitable planet we know. As this experiment unfolds, there will undoubtedly be many surprises. Finding out that rising CO2 threatens human nutrition is one such surprise,” Myers said.

Other HSPH authors include Antonella Zanobetti, Itai Kloog and Joel Schwartz.

NATIONOFCHANGE, MONDAY, 26 MAY 2014

Norway’s Military Does ‘Meatless Mondays’ for the Climate

Liz Pleasant, News Report: The “Meatless Mondays” campaign was originally thought up to support the war effort during World War I, but now a modern army is using it to fight an even bigger battle—the one against climate change. Last fall, the Norwegian army announced their plan to join the campaign by preparing their soldiers (both at home and overseas) a meatless breakfast, lunch and dinner once a week.

According to the UN, the livestock industry contributes almost 15 percent to the total greenhouse gas emissions caused by humans.

Christina Sarich, News Report, NationofChange, May 26, 2014: Not only are people around the world capable of growing nutrient-dense, nourishing food that will feed their communities, even if they live in an urban setting, but they can also do it with élan. Some of the most creative urban gardening projects around the globe can inspire us to create our own green space in the city, or add luster to a space that’s already underway which just needs a little oomph.

New Environmentalists Taking Bold Actions and Its Working

Kevin Zeese and Margaret Flowers, Op-Ed, NationofChange, May 26, 2014: No longer dominated by the traditional “Big Green” groups that were taking big donations from corporate polluters, the new environmental movement is broader, more assertive and more creative. With extreme energy extraction and climate change bearing down on the world, environmental justice advocates are taking bold actions to stop extreme energy extraction and create new solutions to save the planet.

Contact Your Congressional Delegation

See end of newsletter #6 for calling or writing the Arkansas delegation. What do you say to them? Tell the person who answers you are a constituent of the Congressman, you are a vegetarian, and you would like to know if he is also? If he is, cheer, and say goodbye. If he is not, ask if he is aware that vegetarianism is good for one’s health. (Be prepared to adduce
some stats and examples. My newsletters provide an abundance of evidence.) Then ask if the congressman is aware that vegetarianism reduces cruelty to animals, and in general, cruelty. (Again, some data.) And finally ask if he is aware that vegetarianism resists global warming and its consequences. Expect a sympathetic listener; don’t assume rejection. The congressman prefers poor health, torture, and rising seas? --Dick]

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5-26 Victims of Wars
5-25 Lawlessness
5-14 Vegetarian Action
5-6 Capitalism
5-4 Kent State Killings Remembrance Day
4-18 Climate Change and Media
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4-12 “War of Terror”

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Animal Rights
Christina Sarich, Humane Society and Others Oppose Tyson Factory Raised Pigs
Prof. Steven Best, Strong Advocate of Animal Rights, Google Search
Charles Carnosy, a Christian Perspective Offers Us a Consistent Ethic
Dr. David Katz, a Middle Position, a Vegetable Diet is Better for Health and Ethics

Warming, Climate Change
Nathan Fiala, Meat Production and Consumption Contributes to Global Warming,
Climate Change
PETA, Vegetarianism versus Climate Change
Vegetarianism versus Climate Change, Google Search
Stress on Environment: Vegetables vs. Meat
Misc. International Studies of Emissions: Meat vs. Other Causes

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Monbiot, Public Mobilization
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Animal Legal Defense Fund
In Defense of Animals
Best Friends Animal Society
Mercy for Animals
Physicians Committee for Responsible Medicine
Farm Sanctuary
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Vegetarianism Against Increase of C02 and Global Warming

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Center for Bio-Diversity: “Take Extinction Off Your Plate”
Welfare and Rights of Farm Animals, Cruelty to Animals
Conversation Between David and Kyle on Eating Pork
Rick, Visitor at March VP: Vegan Outreach, Oppose Cruelty.org, Pamphlet
“Compassionate Choices”
Bernard Rollin, *Farm Animal Welfare*
Benson and Rollin, eds., *The Well-Being of Farm Animals*

VEGETARIANISM AN IMPORTANT CHOICE AGAINST CO2 WARMING

Contents of Vegetarian Action #7
Will Anderson, Article, Book
  Will Anderson, *This Is Hope: Green Vegans and the New Human Ecology*
Melanie Joy, Why We Eat Some Animals, and Not Others
“Twas the Night Before Thanksgiving,” a Book for Children
North American Vegetarian Society Magazine, *Vegetarian Voice*

END VEGETARIAN ACTION NEWSLETTER #8

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Dick Bennett

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