SIMPLE SOLUTIONS for Planet Earth:  
With a Focus on the Blue Revolution  
By 
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Wednesday, January 30, 2008, Holmes Hall 243  
3:00-3:30 pm Coffee Hour  
3:30-4:30 pm Seminar  

Please join us for the coffee hour near the seminar venue a half hour before the seminar, 3:00 – 3:30 pm  

Abstract  
SIMPLE SOLUTIONS for Planet Earth is a somewhat provocative effort mostly to educate the public about energy and the environment. Pure facts, sensible logic and complex answers are not convincing decision-makers to take the problem seriously enough. Subsequently, our society seems headed towards cataclysmic economic disaster, but seems powerless to do anything about it.  
Chapter 1 advocates reducing fossil fuel use as fast a possible, and the best way to do this is for the G8 leaders to agree on an investment credit (also known as a tax) of 10 cents per pound carbon dioxide.  
Chapter 2, among a range of strategies, recommends biomethanol, first, because given terrestrial biomass, it is cheaper to produce (than ethanol) through gasification / catalysis, and second, as this biofuel is the only one with prospects for being directly utilized by a fuel cell.  
Chapter 3 suggests that the bridge to the Hydrogen Age will be the Methanol Economy, but, an inspired strategy (if we need a truly desperate solution), is to make hydrogen FREE by, say, 2020.  
Chapter 4 proposes the Blue Revolution, with the sea around us being the simple solution for next generation clean energy, sustainable food and exciting habitats. Contrary to Chapter 2, because marine biomass is so high in moisture content, ethanol (fermentation) or biodiesel (microalgae) might actually prevail over methanol.  
Chapter 5 warns that methane might be a lot more dangerous than carbon dioxide for the Greenhouse Effect, and could stimulate the conversion of Planet Earth into Venus.  
Chapter 6 reports on a 300 foot tsunami emanating from the Big Island.  

SIMPLE SOLUTIONS for Planet Earth, revolving around my professional career, provides extreme measures. However, SIMPLE SOLUTIONS for Humanity, book 2, promises to be even more outrageous for crime, war, immortality, education, SETI and religion.  

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