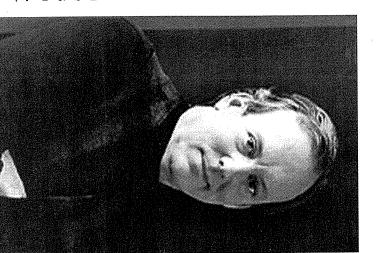
## A. Donough. and ted

## society redesign industrial eader

How many modern architects can you name? Contrast your answer with the number of professional athletes, actors or musicians that the average person can rattle off his/her tongue without hesitation. Should we fill the cultural cavities of our brains with names like Shaquille O'Neal, be something to be gained by substituting one of these names with a contemporary of ours that has been searching diligently for a that he has and will continue to reconstitute what it means to "build." cultural awareness for no more reason than is a name that deserves a solid place in our better way for us to live? Will McDonough Penelope Cruz, and Madonna, or might the re

such memorable testaments to human ingenuity. However, there are figures the construction stages of each of these landmarks of human creation. Needless to say, not all architects are so fortunate to have been able to plan or construct designs, engineering wizardry, copious resources, and steadfast dedication, not to mention strong backs, of many workers—a host of whom perished during and the Verrazano Narrows Bridge (in New York City) to mention a few. Many such icons of architectural success are often India), the Eiffel Tower (in Paris, France), has several wondrous examples of amazing architectural feats—the Taj Mahal (in Agra, Architects are known for building structures of many kinds and the world and industries. One in particular deserves among us today that are implementing new vision of human-designed landscapes Not surprisingly, they required sophisticated noteworthy for their glamour and stature

been incorporated by many companies and institutions the world over. A select list of clients from his resume indicates how extensive McDonough's influence has been: Gap Inc.; BP; IBM; Nike; Oberlin College; friendly and socially-responsible materials, buildings, and communities. This former dean of the University of Virginia's Architecture School and founder of William Community Design has been working arduously to rekindle attention and admiration for designs that are practical, William McDonough is an architect pioneering innovations in ecologically-Institute. The profound diversity of the projects to which McDonough has been dedicated illustrates how broad and mightily to such a worthwhile enterprise. McDonough's knowledge and vision have the planning and designing profession and how one mind can contribute so over the past 20 years allows for a vivid image of the possibilities that exist within ecologically-sound, and long term (i.e., energy-efficient, community-centered, McDonough + Partners, Architecture and meaningful an impact one person can University of Michigan; and, Smithsonian sustainable). the early 1990s, McDonough and one mind can contribute so An exposure to his work



ventilated cloth, the material they designed fit into a closed loop cycle, meaning that it could be reused or recycled indefinitely. Additionally, and perhaps most amazingly, all the byproducts of the manufacturing required to make the fabric were completely chemistMichaelBraungartw by a textile company, [ the customer's demand for strong yet fabric mixture of wool and ramie—the latter fiber coming from a tropical Asian beyond this suggestion. After several years of work on this matter, they settled on a growing requires heavy allotments of water and pesticides, Will and his cohort looked chemicals that can abrade (i.e., wear down) over time and the dominant mode of cotton obtained in large quantities in the recycled stream). But since PET consists of hazardous acronym for a polyester that is used to make many plastic containers which also can be incorporating a mix of cotton and PET (an create a 100% biodegradable fabric that would be versatile as well. Initial material "compostable," greatly reducing the environmental dangers involved in textile able to produce a fabric that would satisfy herb, Boehmeria nivea. Not only were they recommendations from DesignTex included Design Sense competition from the London including the First Prize in the International operations. Their efforts won many awards DesignTex, /ere challenge

large scale contributions has been as a collaborator with Ford Motor Company (FMC). Henry Ford's grandson, William Clay Ford, Jr., who is the current chairman of FMC, contacted McDonough in 1999 to square foot living roof, plants used as soil decontaminants, and renewable energy sources including both solar and fuels cells are among some of the advanced Design Museum (DTEX press release).

One of McDonough's more recent and model, known as Model o ding the "Model T of the 21st Century," will be '''''' who showrooms in the near future. efficiency and a much healthier and enjoyable environment for the workers at the plant, it was reported just this January that McDonough's influence on environmental-friendly concepts to be utilized at the new and improved Rouge. compound which once employed 100,000 workers was chosen to be the prototype for future industrial complexes. A 500,000 revamping of Ford's huge Rouge factory in Dearborn, Michigan. This legendary factory determine how environmental concepts could be utilized in the automobile industry. Ford has gone much further. And while these alterations have resulted Original ideas included the remodeling and tremendous waste reduction, increase A new car

leap in car manufacturing technology, not only will be energy efficient but will be environmentally-sound from bumper to bumper. The interior will be modular which allows components to be easily of sunflower oil) will be recyclable or able to be composted as well. This car will definitely based seating foams and lubricants made the car (including a corn-based roof, soy mounted, replaced or added. Much cause a stir when it is released in quantity

contributed mightily to the revitalization of what was once termed "the dirtiest city in America." Chattanooga, Tennessee received this dishonorable label by the Environmental Protection Agency more than thirty years ago. With the assistance of "forced" remediation through the Clean Air Act and the sustained efforts of many innovative people, this mid-sized city on Environmental Quality called the city, "a model for the nation and the world." McDonough's contributions to this project included the design of a grass-roofed trade center and planning and consultation on an eco-industrial park where waste energy (from a nearby plant) will be recovered and recycled. The park project involved many local citizens in the process as well, making it truly a community venture (Motavalli).

One of McDonough's latest creations is of southern Tennessee now boasts its former Chair of President Clinton's Council environmental character; Katie McGinty, In yet another project, McDonough

a book that he coauthored with Michael Braungart entitled, Cradle to Cradle. This profoundly interesting work presents a model for reconceptualizing how we make things. Central to McDonough and Braungart's conception of the future is a transformation of the notion that products that we use must end up in the "grave" are damaging to us and the environment). The authors envision and lay out the authors are advocating that our species begin to behave like other species on our products, like a car or computer, end up being reused into perpetuity. In short, the authors are advocating that our species of life. According to the authors, two living things in particular—the ant and the cherry recognize our place in the larger scheme planet. This requirement mandates that we the materials that make up our everyday floor plans for a design scheme where landfill or incineratorhave much to demonstrate -both which ⊒.

biodegradable. In this sense, the ant produces no "waste" and is completely is reusable by other organisms or naturally surroundings but everything it produces certainly belies their importance.) This animal consumes many materials in its to that of humans, so their individual size world over is considered to be comparable The ant, diminutive in size, is a master at meticulous organization. (Ant biomass the integrated into its surroundings

spring a single tree produces thousands of blossoms knowing full well that perhaps only one will materialize into another The cherry tree might appear completely inefficient in its form of reproduction. Each cherry tree somewhere down the line. And

certainly have much to learn from the ants and the trees. These "simple" forms of life aren't as "unintelligent" as we often make them are to be in the ground, the many materials produced by a cherry tree—including the blossoms, fruit, seeds, leaves, and branches—all while from a Darwinian perspective it may need to do this to ensure its future survival, the thousands of seeds that go unfertilized definitely do not go to "waste." Once on or "lives." (The authors dedicate an entire chapter—given the paradoxical title, Waste Equals Food—to the importance of making ones waste useful.) Humans cherry tree doesn't only produce blossoms for its own direct survival but also for the plants, fungi and animals. So in a sense, the become nutrients that are utilized by other them out to be. of many species with which

the processes that are currently imbedded in our industrial sectors. Third, we must categorize chemicals on the basis of what danger they pose to us and the other earth inhabitants (an X list for those things that wheel" as many times as is required to make our society and our world harmonious and self-supporting. Simply put, "products not designed for human or ecological health are unintelligent and inelegant" (McDonough Most of the wisdom of their book is synthesized down to five principles that will enable our civilization to see "ecoeffectiveness" to fruition. First, we must a speciesmust go, a gray list for those compounds that ought to go soon (and research should as dioxin, lead, mercury and cadmium. Second, people must be able to choose free ourselves of known chemicals that are destructive to us and the Earth—such list for positive chemicals). Fourth, we have to make sure the P list items are the ones their individual futures, rather than have them dictated by others. Yet, they must first be properly informed about the impact of & Braungart). lastly, we must use our greatest strength as that are growing in use and importance. And be driven to find safe replacements), and a P our ingenuity -to "reinvent the

to poison ourselves and our children's children. May visionary people, including architects like William McDonough. provide us the direction for a brighter and healthier architect and his/her connection to our every day lives. We must begin to recognize to our continuance as a species but also to the maintenance of the planet itself. Until a conversation centered around a modern at the Orpheum, perhaps you will strike up for a plane to board or at the ticket counter we come to this realization, we will continue of a global society that contributes not only that as part of humanity, we are members So next time you are in an airport waiting

McDonough, William & Michael Braungart. (2002) Cradle to Cradle. New York City: North

Motavalli, Jim. (1998) "Chattanooga on Roll." *E Magazine*, 9 (March/April).

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