### 2006 Index

# 21st CENTURY SCIENCE & TECHNOLOGY

#### Volume 19

#### **AUTHOR INDEX**

- Andromidas, Dean. "A Speculator, a Prince, and a Neo-con: Who's Sabotaging the PBMR?" Spring/Summer, 68.
- Craig, Christine. "Fresh Water from Nuclear Desalination." Spring/Summer, 29.
- Craig, Christine. "C4 vs. C3 Photosynthesis: A Response to Low CO<sub>2</sub> Levels." Fall/Winter, 5.
- Davis, Mohd Peter. "Biosphere Technology In the Nuclear Age." Fall/Winter, 86.
- Davis, Mohd Peter, Mazlin Ghazali, Nor Azian Nordin. Thermal Comfort Honeycomb Housing: The Affordable Alternative to Terrace Housing (Marjorie Mazel Hecht). Fall/Winter, 100.
- Endersbee, Lance. "The World's Water Wells Are Drying Up!" Spring/Summer, 20.
- Erwin, Alec. "PBMR Is 'Perfect' for Africa's Development." (Jonathan Tennenbaum) Spring/Summer, 47.
- Farley, Gloria. "Discovering America's 'Old Country' Roots." (Alan Gillespie) Fall/Winter, 80.
- Fell, Julian. "Gloria S. Farley (1916-2006): A Lifetime of Discovery." Spring/Summer, 14.
- Fell, Julian. "Gloria Farley, Barry Fell, and the Role of The Amateur in Intellectual Advancement." Box. Spring/Summer, 15.
- Ferguson, Cloret. "Nanotech2006: Highlights of Eurasian Biotech Advances." Fall/Winter,
- Freeman, Marsha. Editorial. "Moving Backwards In Space." Fall/Winter, 2.
- Freeman, Marsha. "China in Space: A Look at China's Ambitious Space Program." Fall/Winter, 48.
- Gillespie, Alan. "Discovering America's 'Old Country' Roots." An interview with Gloria Farley. Fall/Winter, 80.
- Gourlay, Stephen. "Science Today Needs a 'Grand Vision.'" (Wesley Irwin) Fall/Winter, 75.
- Gubser, Don. "We Have to Get Youth Excited About Science." (Wesley Irwin) Fall/Winter, 78.
- Hayden, Howard. "Ethanol: Less Than Meets the Eye." Spring/Summer, 10.
- Hecht, Laurence. "Ethanol: Not a Kernel of Science in It." Fall/Winter. 53.
- Hecht, Marjorie Mazel. "Texas University to Build First HTR Research Reactor!" An interview with James Wright. Spring/Summer, 53.
- Hecht, Marjorie Mazel. "The Neo-Cons, Not Carter, Killed Nuclear Energy." Spring/Summer, 64.
- Hecht, Marjorie Mazel. "The Fusion Torch: Creating New Raw Materials for the 21st Century." Fall/Winter, 38.
- Hecht, Marjorie Mazel. "To Combat Malaria, We Need DDT!" An interview with Donald R. Roberts. Fall/Winter, 65.

- Hecht, Marjorie Mazel. "WHO Brings Back DDT To Stop Malaria." Fall/Winter, 62.
- Helgason, Cathy, M.D. "How Statistics Fail Medicine: The Strange Case of Aspirin." Spring/Summer, 73.
- Hori, Masao. "Hydrogen from Nuclear Power." Spring/Summer, 32.
- Irwin, Wesley. "Seattle LYM Conduct Between the Notes At Superconductivity Conference." Fall/Winter, 72.
- Irwin, Wesley. "Science Today Needs a 'Grand Vision.' " An interview with Dr. Stephen Gourlay. Fall/Winter, 75.
- Irwin, Wesley. "We Have to Get Youth Excited About Science." An interview with Dr. Don Gubser. Fall/Winter, 78.
- Jaworowski, Zbigniew. "20 Years Later: The Real Chernobyl Folly." Spring/Summer, 59.
- Jaworowski, Zbigniew. "Meat and the Planet: A Human View." Fall/Winter, 4.
- Jones, Creighton Cody. "We Can Solve the Water Problem!" Spring/Summer, 17.
- Kobusingye-Boynes, Fiona. "Africa Needs DDT." Box. Fall/Winter, 64.
- LaRouche, Lyndon H., Jr. "Power, Water, and Transport." Spring/Summer, 2.
- LaRouche, Lyndon H., Jr. "Entropy Runs Downhill: The Great Fool's Oil Swindle." Fall/Winter, 52.
- Matzie, Regis. "How the U.S. Plans to Use the PBMR." (Jonathan Tennenbaum) Spring/Summer,
- Matzner, Dieter. "A Safe, Foolproof Nuclear Reactor." (Jonathan Tennenbaum) Spring/ Summer. 49.
- Muckerheide, Jim. "Yucca Mountain Should Be a Non-Issue In Today's Nuclear Renaissance." Fall/Winter, 58.
- Roberts, Donald R. "To Combat Malaria, We Need DDT!" (Marjorie Mazel Hecht) Fall/Winter, 65.
- Rush, Cynthia R. "'Satanic Sugar' in Brazil." Box. Fall/Winter, 56.
- Tennenbaum, Jonathan. "South Africa's PBMR: World's Most Versatile Nuclear System." Spring/Summer, 39.
- Tennenbaum, Jonathan. "A Safe, Foolproof Nuclear Reactor." An interview with Dieter Matzner. Spring/Summer, 49.
- Tennenbaum, Jonathan. "PBMR Is 'Perfect' for Africa's Development." An interview with Alec Erwin. Spring/Summer, 47.
- Tennenbaum, Jonathan. "How the U.S. Plans to Use the PBMR." An interview with Dr. Regis Matzie. Spring/Summer, 51.
- Tennenbaum, Jonathan. "The Isotope Economy." Fall/Winter, 8.
- Wright, James. "Texas University to Build First HTR Research Reactor!" (Marjorie Mazel Hecht) Spring/Summer, 53.

#### **SUBJECT INDEX**

#### **Agriculture**

- Craig, Christine. "C4 vs. C3 Photosynthesis: A Response to Low CO<sub>2</sub> Levels." Fall/Winter, 5.
- Endersbee, Lance. "The World's Water Wells Are Drying Up!" Spring/Summer, 20.
- Hayden, Howard. "Ethanol: Less Than Meets the Eye." Spring/Summer, 10.
- Hecht, Laurence. "Ethanol: Not a Kernel of Science in It." Fall/Winter, 53.
- Jaworowski, Zbigniew. "Meat and the Planet: A Human View." Fall/Winter, 4.
- Rush, Cynthia R. "'Satanic Sugar' in Brazil." Box. Fall/Winter, 56.

#### **Ancient Discovery**

- Fell, Julian. "Gloria S. Farley (1916-2006): A Lifetime of Discovery." Spring/Summer, 14.
- Fell, Julian. "Gloria Farley, Barry Fell, and the Role of The Amateur in Intellectual Advancement." Box. Spring/Summer, 15.
- Gillespie, Alan. "Discovering America's 'Old Country' Roots." An interview with Gloria Farley. Fall/Winter. 80.

#### **Astronomy and Astrophysics**

- Freeman, Marsha. "China in Space: A Look at China's Ambitious Space Program." Fall/Winter, 48.
- News Brief. "Chinese Space Official Warns: 'A Closed Society Will Be Left Behind.'" Spring/Summer, 12.
- Tennenbaum, Jonathan. "The Isotope Economy." Fall/Winter, 8. "The Lunar Beijing Declaration." Box. Fall/Winter, 51.

#### **Biography and Obituary**

- Davis, Mohd Peter. "Biosphere Technology In the Nuclear Age." Fall/Winter, 86.
- Fell, Julian. "Gloria S. Farley (1916-2006): A Lifetime of Discovery." Spring/Summer, 14.
- Gillespie, Alan. "Discovering America's 'Old Country' Roots." An interview with Gloria Farley. Fall/Winter. 80.
- "Gloria Farley, Barry Fell, and the Role of The Amateur in Intellectual Advancement." Box. Spring/Summer, 15.

#### **Development and Population Policy**

- Davis, Mohd Peter. "Biosphere Technology In the Nuclear Age." Fall/Winter, 86.
- Hecht, Laurence. "Ethanol: Not a Kernel of Science in It." Fall/Winter, 53.
- Hecht, Marjorie Mazel. "To Combat Malaria, We Need DDT!" An interview with Donald R. Roberts. Fall/Winter, 65.
- Hecht, Marjorie Mazel. "WHO Brings Back DDT To Stop Malaria." Fall/Winter, 62.
- Jaworowski, Zbigniew. "Meat and the Planet: A Human View." Fall/Winter, 4.
- Kobusingye-Boynes, Fiona. "Africa Needs DDT."

- Box. Fall/Winter, 64.
- News Brief. "Scientist Calls for Ebola Virus to Wipe Out 90% of Population." Spring/Summer, 12.
- LaRouche, Lyndon H., Jr. "Power, Water, and Transport." Spring/Summer, 2.
- News Brief. "Greenland Ice Sheet Growing; Global Warming Propaganda, Too." Spring/Summer, 13.
- Rush, Cynthia R. "'Satanic Sugar' in Brazil." Box. Fall/Winter, 56.
- Tennenbaum, Jonathan. "The Isotope Economy." Fall/Winter, 8.

#### **Earth Science**

- Endersbee, Lance. "The World's Water Wells Are Drying Up!" Spring/Summer, 20.
- News Brief. "Greenland Ice Sheet Growing; Global Warming Propaganda, Too." Spring/Summer, 13.
- News Brief. "NASA Head Questions Human Role in Global Warming." Fall/Winter, 6.
- News Brief. "Wind Energy Fizzles While California Sizzles." Fall/Winter, 7.

#### **Epistemology**

LaRouche, Lyndon H., Jr. "Power, Water, and Transport." Spring/Summer, 2.

#### **History of Science and Technology**

- Craig, Christine. "Fresh Water from Nuclear Desalination." Spring/Summer, 29.
- Tennenbaum, Jonathan. "The Isotope Economy." Fall/Winter, 8.

#### Medicine

- Helgason, Cathy, M.D. "How Statistics Fail Medicine: The Strange Case of Aspirin." Spring/Summer, 73.
- Jaworowski, Zbigniew. "20 Years Later: The Real Chernobyl Folly." Spring/Summer, 59.
- News Brief. "Chernobyl Biology Study: No Marked Genetic Effects on Wildlife." Fall/Winter, 7.
- News Brief. "New TB Test Is Quick and Effective." Fall/Winter, 7.

#### Nuclear Science and Nuclear Energy

- Andromidas, Dean. "A Speculator, a Prince, and a Neo-con: Who's Sabotaging the PBMR?" Spring/Summer, 68.
- Craig, Christine. "Fresh Water from Nuclear Desalination." Spring/Summer, 29.
- Hecht, Marjorie Mazel. "Texas University to Build First HTR Research Reactor!" An interview with James Wright. Spring/Summer, 53.
- Hecht, Marjorie Mazel. "The Fusion Torch: Creating New Raw Materials for the 21st Century." Fall/Winter, 38.
- Hecht, Marjorie Mazel. "The Neo-Cons, Not Carter, Killed Nuclear Energy." Spring/Summer, 64. Hori, Masao. "Hydrogen from Nuclear Power." Spring/Summer, 32.
- Jaworowski, Zbigniew. "20 Years Later: The Real Chernobyl Folly." Spring/Summer, 59.
- Muckerheide, Jim. "Yucca Mountain Should Be a Non-Issue In Today's Nuclear Renaissance." Fall/Winter. 58.
- News Brief. "Chernobyl Biology Study: No Marked Genetic Effects on Wildlife." Fall/Winter, 7.
- News Brief. "China Begins Testing Superconducting Fusion Tokamak." Spring/Summer, 13.
- News Brief. "India to Build Four Fast Breeder Reactors." Fall/Winter, 6.
- News Brief. "It's Cheaper to Reprocess Spent Nuclear Fuel Than to Bury It." Fall/Winter, 7.
- News Brief. "Polyhedral Fusion Proven in Inertial Electrostatic Confinement." Fall/Winter, 6.
- News Brief. "Production of Neutrons from Pyroelectic

- 'Double Crystal' Fusion." Spring/Summer, 13.
- Tennenbaum, Jonathan. "South Africa's PBMR: World's Most Versatile Nuclear System." Spring/Summer, 39.
- Tennenbaum, Jonathan. "A Safe, Foolproof Nuclear Reactor." An interview with Dieter Matzner. Spring/Summer, 49.
- Tennenbaum, Jonathan. "PBMR Is 'Perfect' for Africa's Development." An interview with Alec Erwin. Spring/Summer, 47.
- Tennenbaum, Jonathan. "How the U.S. Plans to Use the PBMR." An interview with Dr. Regis Matzie. Spring/Summer, 51.

#### **Physics**

- Ferguson, Cloret. "Nanotech2006: Highlights of Eurasian Biotech Advances." Fall/Winter, 94.
- Irwin, Wesley. "Science Today Needs a 'Grand Vision.' " An interview with Dr. Stephen Gourlay. Fall/Winter. 75.
- Irwin, Wesley. "Seattle LYM Conduct Between the Notes At Superconductivity Conference." Fall/Winter. 72.
- Irwin, Wesley. "We Have to Get Youth Excited About Science." An interview with Dr. Don Gubser. Fall/Winter, 78.
- Hecht, Marjorie Mazel. "The Fusion Torch: Creating New Raw Materials for the 21st Century." Fall/Winter, 38.
- News Brief. "Polyhedral Fusion Proven in Inertial Electrostatic Confinement." Fall/Winter, 6.
- News Brief. "Production of Neutrons from Pyroelectic 'Double Crystal' Fusion." Spring/Summer, 13.

#### Science and the LaRouche Youth Movement

- Irwin, Wesley. "Science Today Needs a 'Grand Vision.' " An interview with Dr. Stephen Gourlay. Fall/Winter. 75.
- Irwin, Wesley. "Seattle LYM Conduct Between the Notes At Superconductivity Conference." Fall/Winter. 72.
- Irwin, Wesley. "We Have to Get Youth Excited About Science." An interview with Dr. Don Gubser. Fall/Winter, 78.
- Jones, Creighton Cody. "We Can Solve the Water Problem!" Spring/Summer, 17.
- News Brief. "Only Animals Save Water; Human Beings Generate It." Spring/Summer, 12.

#### **Science Policy**

- Andromidas, Dean. "A Speculator, a Prince, and a Neo-con: Who's Sabotaging the PBMR?" Spring/Summer, 68.
- Craig, Christine. "Fresh Water from Nuclear Desalination." Spring/Summer, 29.
- Davis, Mohd Peter. "Biosphere Technology In the Nuclear Age." Fall/Winter, 86.
- Endersbee, Lance. "The World's Water Wells Are Drying Up!" Spring/Summer, 20.
- Freeman, Marsha. "China in Space: A Look at China's Ambitious Space Program." Fall/Winter, 48. Freeman, Marsha. Editorial. "Moving Backwards In
- Space." Fall/Winter, 2.
- Hayden, Howard. "Ethanol: Less Than Meets the Eye." Spring/Summer, 10.Hecht, Laurence. "Ethanol: Not a Kernel of
- Science in It." Fall/Winter, 53.

  Hecht, Marjorie Mazel. "Texas University to Build First HTR Research Reactor!" An interview with
- James Wright. Spring/Summer, 53.
  Hecht, Marjorie Mazel. "The Neo-Cons, Not Carter,
  Killed Nuclear Energy." Spring/Summer, 64.
- Hecht, Marjorie Mazel. "To Combat Malaria, We Need DDT!" An interview with Donald R. Roberts. Fall/Winter, 65.

- Hecht, Marjorie Mazel. "WHO Brings Back DDT To Stop Malaria." Fall/Winter, 62.
- Hecht, Marjorie Mazel. "The Fusion Torch: Creating New Raw Materials for the 21st Century." Fall/Winter, 38.
- Irwin, Wesley. "Science Today Needs a 'Grand Vision.'" An interview with Dr. Stephen Gourlay. Fall/Winter. 75.
- Irwin, Wesley. "Seattle LYM Conduct Between the Notes At Superconductivity Conference." Fall/Winter, 72.
- Irwin, Wesley. "We Have to Get Youth Excited About Science." An interview with Dr. Don Gubser. Fall/Winter, 78.
- Jones, Creighton Cody. "We Can Solve the Water Problem!" Spring/Summer, 17.
- Kobusingye-Boynes, Fiona. "Africa Needs DDT." Box. Fall/Winter, 64.
- LaRouche, Lyndon H., Jr. "Entropy Runs Downhill: The Great Fool's Oil Swindle." Fall/Winter, 52.
- LaRouche, Lyndon H., Jr. "Power, Water, and Transport." Spring/Summer, 2.
- News Brief. "Chinese Space Official Warns: 'A Closed Society Will Be Left Behind.'" Spring/Summer. 12.
- News Brief. "Greenland Ice Sheet Growing; Global Warming Propaganda, Too." Spring/Summer,
- News Brief. "Only Animals Save Water; Human Beings Generate It." Spring/Summer, 12.
- News Brief. "Scientist Calls for Ebola Virus to Wipe Out 90% of Population." Spring/Summer, 12.
- News Brief. "Wind Energy Fizzles While California Sizzles." Fall/Winter, 7.
- Tennenbaum, Jonathan. "South Africa's PBMR: World's Most Versatile Nuclear System." Spring/Summer, 39.
- Tennenbaum, Jonathan. "The Isotope Economy." Fall/Winter, 8.

## Space Science, Technology, and Exploration

- Freeman, Marsha. Editorial. "Moving Backwards In Space." Fall/Winter, 2.
- News Brief. "Chinese Space Official Warns: 'A Closed Society Will Be Left Behind.'" Spring/Summer, 12.
- "The Lunar Beijing Declaration." Box. Fall/Winter, 51.

#### **BOOKS REVIEWED**

- Bradley, Michael, with Joelle Lauriol. Swords at Sunset: Last Stand of North America's Grail Knights (Charles Hughes). Fall/Winter, 102.
- Davis, Mohd Peter, Mazlin Ghazali, Nor Azian Nordin. *Thermal Comfort Honeycomb Housing: The Affordable Alternative to Terrace Housing* (Marjorie Mazel Hecht). Fall/Winter, 100.
- Dexter, Warren W. Etruscan Explorers (Marjorie Mazel Hecht). Fall/Winter, 103.
- Jacobs Entertainment, Inc. "A Sidewalk Astronomer: A Film About Astronomy, Cosmology and John Dobson" (Charles Hughes). Spring/Summer,
- Schmitt, Harrison. Return to the Moon: Exploration, Enterprise, and Energy in the Human Settlement of Space (Marsha Freeman). Fall/Winter, 98.
- Schneider, Stephen H. *The Patient from Hell* (Marjorie Mazel Hecht). Spring/Summer, 80.
- Vernadsky, Vladimir I. Geochemistry and the Biosphere: Essays by Vladimir I. Vernadsky (William Jones). Fall/Winter, 95.
- Waltar, Alan. *Radiation and Modern Life* (Greg Murphy). Spring/Summer, 79.