

2005 INDEX

21st CENTURY SCIENCE & TECHNOLOGY

Volume 18

AUTHOR INDEX

- Baker, Marcia Merry. "LaRouchePAC Testimony: To Meet New Pandemic Threats, Bring Back Public Health." Fall, 34.
- Cooper, Hal. "42,000 Miles of Electric Rail and Maglev." Summer, 22.
- Craig, Christine. "Despite Much Talk, Bird Flu Is Spreading." Winter, 72.
- Craig, Christine. "How Avian Flu Virus Takes Over a Cell." Box. Fall, 30.
- Craig, Christine. "What Really Is a Sine?" Box. Spring, 62.
- De Paoli, Dino. "The Ancient Origin of the Calendar In Eastern Germany." Fall, 38.
- Detloff, Robert. "Nuclear Power or the 'Gang Green': A Visit to MIT's Research Reactor." Fall 52.
- Fansler, Merv. "Leibniz or Newton: 'What's the Difference?'" Fall, 17.
- Ferguson, Cloret S. "Court Vindicates BNCT Researchers." Box. Fall, 61.
- Ferguson, Cloret S. "The Promise of Boron-Neutron Capture Therapy for Treating Brain Tumors." Fall, 58.
- Feyh, Lance C. "Iron in the Sun: Nuclear Chemist Challenges Theory of Solar Origin." Summer, 78.
- Freeman, Marsha. "A Year in the Life of Two Rovers: Now We Know There Was Water on Mars." Spring, 79.
- Freeman, Marsha. "China Takes the Lead in Nuclear Energy." Spring, 65.
- Freeman, Marsha. "U.S. Auto Plants Never Just Produced Cars." Winter, 64.
- Freeman, Richard and Hal Cooper. "Why Electrified Rail Is Superior." Box. Summer, 26.
- Gallagher, Paul. "Cheney's Energy Act: Will Warren Buffett Be the New Samuel Insull?" Fall, 62.
- Halevy, Aaron. "Euler and the Economic Hit Men." Box. Spring, 57.
- Hecht, Laurence. "A Keplerian Solution to the Quasicrystal Problem." Winter, 6.
- Hecht, Laurence. Editorial. "Hydrogen: First Element of Economic Recovery." Winter, 2.
- Hecht, Laurence. Editorial. "To Stop Flu Pandemic, Change Your Axioms!" Fall, 2.
- Hecht, Laurence. "Flu Pandemic: It's the Physical Economy, Stupid!" Fall, 22.
- Hecht, Laurence. "The Renowned Herschels." Box. Spring, 4.
- Hecht, Laurence. "Translator's Note: On the Expression in Rational Numbers of the Exact Relationship of a Circle to Its Circumscribed Square by Gottfried W. Leibniz." Fall, 12.
- Hecht, Marjorie Mazel. Editorial. "How to Build 6,000 Nuclear Plants." Spring, 2.
- Hecht, Marjorie Mazel. "It's Not 'Waste': Nuclear Fuel Is Renewable." Box. Summer, 52.
- Hecht, Marjorie Mazel. "Save the Fast Flux Test Facility! The U.S. Must Go Nuclear." Spring 68.
- Hecht, Marjorie Mazel. "The Beauty of the Nuclear Fuel Cycle." Winter, 66.
- Hecht, Marjorie Mazel, "Thorium Converter Reactor Ready for Development." Box. Fall, 48.
- Herschel, John Frederick [1859]. "A Call for a Musical Pitch of C-512." Spring, 4.
- Hughes, Charles. "Constructing a Very Large, Short-Focus Telescope." Fall, 64.
- Johnson, Ralph. "The Real Cost of Killing the FFTF." Fall, 8.
- Jones, Cody. "On the Re-Discovery of a Principle to Communicate the Relationship of Principles." Summer, 20.
- Kirsch, Michael. "How Gauss Defeated Euler's Sophistry." Spring, 52.
- Kirsch, Michael. "Understanding a Sophist's Mind: Euler's False Proof of the Fundamental Theorem." Box. Spring, 58.
- Kondratyev, Dr. Kirill Ya. "On Solar Radiation and Immune Deficiency, Man and the Biosphere, and Climate." Fall, 6.
- LaRouche, Lyndon H. "A Précis: The Peaceful Concept of Technology Transfer." Spring, 8.
- LaRouche, Lyndon H., Jr. Editorial. "Science and the Needed Solution to the Current Global Economic Crisis." Summer, 2.
- LaRouche, Lyndon H., Jr. "LaRouche: Public Sanitation Is First Line of Defense." Box. Fall, 24.
- LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.
- Leibniz, Gottfried. "Man Is Not a Beast." Box. Spring, 55.
- Leibniz, Gottfried W. "On the Expression in Rational Numbers of the Exact Relationship of a Circle to Its Circumscribed Square." Fall, 12.
- Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.
- Leroux, Dr. Marcel. "There's No Global Warming, Because There's No Global Climate." Fall, 4.
- Lowry, Colin. "Last Chance to Stop Avian Flu Pandemic." Fall, 27.
- Maitra, Ramtanu. "Thorium: Preferred Nuclear Fuel of the Future." Fall, 45.
- Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.
- Muckerheide, James. "How to Build 6,000 Nuclear Plants By 2050." Summer, 36.
- Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.
- Tennenbaum, Jonathan. "Amplitude Quantization As an Elementary Property of Macroscopic Vibrating Systems." Winter, 50.
- Tennenbaum, Jonathan. "Vernadsky Museum Conference: Optimism in the Midst of Political Uncertainty." Fall, 69.
- Vaughan, Hal Wm. "Archimedean Polyhedra and the Boundary: The Missing Link." Summer, 54.
- Vernadsky, V.I. "On Some Fundamental Problems of Biogeochemistry." Winter, 39.
- Vernadsky, Vladimir I. "Some Words About the Noosphere." Spring, 16.
- Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring, 22.
- Wolfe, L. "Dedication [to Dr. Robert J. Moon]." Box. Spring, 23.

SUBJECT INDEX

Agriculture

- News Brief. "Borlaug Warns of Complacency, As Wheat Rust Spreads." Winter, 5.
- News Brief. "Living Plants Discovered to be Major Source of Methane." Winter, 5.

Ancient Discovery

- News Brief. "Archaeologists Uncover Evidence of Ancient Egyptian Ships." Spring, 6.
- News Brief. "Is Atlas Holding the Lost Star Catalogue of Hipparchus?" Spring, 7.
- News Brief. "Was There an Ancient Chinese Colony in Nova Scotia?" Summer, 9.
- De Paoli, Dino. "The Ancient Origin of the Calendar In Eastern Germany." Fall, 38.
- News Brief. "7,000 Year-Old Observatory Reopened in Germany." Winter, 5.

Astronomy and Astrophysics

- Hecht, Laurence. "The Renowned Herschels." Box. Spring, 4.
- News Brief. "Is Atlas Holding the Lost Star Catalogue of Hipparchus?" Spring, 7.
- Feyh, Lance C. "Iron in the Sun: Nuclear Chemist Challenges Theory of Solar Origin." Summer, 78.

De Paoli, Dino. "The Ancient Origin of the Calendar In Eastern Germany." Fall, 38.

Hughes, Charles. "Constructing a Very Large, Short-Focus Telescope." Fall, 64.

News Brief. "7,000 Year-Old Observatory Reopened in Germany." Winter, 5.

Biography and Obituary

Hecht, Laurence. "The Renowned Herschels." Box. Spring, 4.

Biology

News Brief. "Elephant Shrew Bones Trample Origin Axioms." Spring, 7.

News Brief. "New Concept Breaks Diffraction Barrier in Microscopy." Summer, 9.

Hecht, Laurence. Editorial. "To Stop Flu Pandemic, Change Your Axioms!" Fall, 2.

"Senate proposes \$3.9 Billion to Fight Avian Flu." Box. Fall, 3.

Lowry, Colin. "Last Chance to Stop Avian Flu Pandemic." Fall, 27.

Craig, Christine. "How Avian Flu Virus Takes Over a Cell." Box. Fall, 30.

News Brief. "Living Plants Discovered to be Major Source of Methane." Winter, 5.

News Brief. "Borlaug Warns of Complacency, As Wheat Rust Spreads." Winter, 5.

Vernadsky, V.I. "On Some Fundamental Problems of Biogeochemistry." Winter, 39.

Craig, Christine. "Despite Much Talk, Bird Flu Is Spreading." Winter, 72.

Development and Population Policy

Hecht, Marjorie Mazel. Editorial. "How to Build 6,000 Nuclear Plants." Spring, 2.

LaRouche, Lyndon H. "A Précis: The Peaceful Concept of Technology Transfer." Spring, 8.

Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring, 22.

Cooper, Hal. "42,000 Miles of Electric Rail and Maglev." Summer, 22.

Muckerheide, James. "How to Build 6,000 Nuclear Plants By 2050." Summer, 36.

Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.

Hecht, Laurence. Editorial. "To Stop Flu Pandemic, Change Your Axioms!" Fall, 2.

Hecht, Laurence. "Flu Pandemic: It's the Physical Economy, Stupid!" Fall, 22.

Gallagher, Paul. "Cheney's Energy Act: Will Warren Buffett Be the New Samuel Insull?" Fall, 62.

News Brief. "Borlaug Warns of Complacency, As Wheat Rust Spreads." Winter, 5.

Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.

LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.

Freeman, Marsha. "U.S. Auto Plants Never Just Produced Cars." Winter, 64.

Craig, Christine. "Despite Much Talk, Bird Flu Is Spreading." Winter, 72.

Earth Science

Vernadsky, Vladimir I. "Some Words About the Noösphere." Spring, 16.

News Brief. "Vernadsky Vindicated: New Finding Suggests Life Came Early to Earth." Summer, 8.

Leroux, Dr. Marcel. "There's No Global Warming, Because There's No Global Climate." Fall, 4.

Kondratyev, Dr. Kirill Ya. "On Solar Radiation and Immune Deficiency, Man and the Biosphere, and Climate." Fall, 6.

News Brief. "Sea-Viewing Satellite Yields Images of Ocean Cycles." Fall, 11.

Vernadsky, V.I. "On Some Fundamental Problems of Biogeochemistry." Winter, 39.

Environment and Environmentalism

Vernadsky, Vladimir I. "Some Words About the Noösphere." Spring, 16.

Leroux, Dr. Marcel. "There's No Global Warming, Because There's No Global Climate." Fall, 4.

Kondratyev, Dr. Kirill Ya. "On Solar Radiation and Immune Deficiency, Man and the Biosphere, and Climate." Fall, 6.

News Brief. "Sea-Viewing Satellite Yields Images of Ocean Cycles." Fall, 11.

"Who Wants a Pandemic?" Box. Fall, 26.

News Brief. "Living Plants Discovered to be Major Source of Methane." Winter, 5.

Vernadsky, V.I. "On Some Fundamental Problems of Biogeochemistry." Winter, 39.

Epistemology

LaRouche, Lyndon H. "A Précis: The Peaceful Concept of Technology Transfer." Spring 8.

Leibniz, Gottfried. "Man Is Not a Beast." Box. Spring, 55.

LaRouche, Lyndon H., Jr. Editorial. "Science and the Needed Solution to the Current Global Economic Crisis." Summer, 2.

LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.

Geometry and Mathematics

Craig, Christine. "What Really Is a Sine?" Box. Spring, 62.

Kirsch, Michael. "How Gauss Defeated Euler's Sophistry." Spring, 52.

"Understanding a Sophist's Mind: Euler's False Proof of the Fundamental Theorem." Box. Spring, 58.

News Brief. "15-Year-Old Solves 500-Year-Old Dürer Problem." Summer, 8.

Vaughan, Hal Wm. "Archimedean Polyhedra and the Boundary: The Missing Link." Summer, 54.

Leibniz, Gottfried W. "On the Expression in Rational Numbers of the Exact Relationship of a Circle to Its Circumscribed Square." Fall, 12.

Hecht, Laurence. "Translator's Note: On the Expression in Rational Numbers of the Exact Relationship of a Circle to Its Circumscribed Square by Gottfried W. Leibniz." Fall, 12.

Fansler, Merv. "Leibniz or Newton: 'What's the Difference?'" Fall, 17.

Hecht, Laurence. "A Keplerian Solution to the Quasicrystal Problem." Winter, 6.

Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.

LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.

History of Science and Technology

Freeman, Richard and Hal Cooper. "Why Electrified Rail Is Superior." Box. Summer, 26.

Hecht, Laurence. "The Renowned Herschels." Box. Spring, 4.

LaRouche, Lyndon H. "A Précis: The Peaceful Concept of Technology Transfer." Spring, 8.

Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.

Vernadsky, Vladimir I. "Some Words About the Noösphere." Spring, 16.

Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring, 22.

Wolfe, L. "Dedication [to Dr. Robert J. Moon]." Box. Spring, 23.

Cooper, Hal. "42,000 Miles of Electric Rail and Maglev." Summer, 22.

LaRouche, Lyndon H., Jr. Editorial. "Science and the Needed Solution to the Current Global Economic Crisis." Summer, 2.

Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.

Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.

LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.

Freeman, Marsha. "U.S. Auto Plants Never Just Produced Cars." Winter, 64.

Medicine

News Brief. "Scientists Accuse NIH of Ignoring Public Health." Spring, 6.

Hecht, Laurence. Editorial. "To Stop Flu Pandemic, Change Your Axioms!" Fall, 2.

"Senate Proposes \$3.9 Billion to Fight Avian Flu." Box. Fall, 3.

Lowry, Colin. "Last Chance to Stop Avian Flu Pandemic." Fall, 27.

Baker, Marcia Merry. "LaRouchePAC Testimony: To Meet New Pandemic Threats, Bring Back Public Health." Fall, 34.

Craig, Christine. "How Avian Flu Virus Takes Over a Cell." Box. Fall, 30.

Ferguson, Cloret S. "The Promise of Boron-Neutron Capture Therapy for Treating Brain Tumors." Fall 58.

LaRouche, Lyndon H., Jr. "LaRouche: Public Sanitation Is First Line of Defense." Box. Fall, 24.

News Brief. "Experts Warn of Flu Pandemic and Economic Collapse." Fall, 10.

News Brief. "Malaria Increases Transmissibility of AIDS to Newborns." Winter, 4.

News Brief. "Purdue Scientists Sculpt Anti-Cancer Tool from RNA." Fall, 11.

"The BNCT Pioneers." Box. Fall, 59.

Craig, Christine. "Despite Much Talk, Bird Flu Is Spreading." Winter, 72.

Military Technology

Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.

Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring, 22.

Music

Herschel, John Frederick [1859]. "A Call for a Musical Pitch of C-512." Spring, 4.

Nuclear Science and Nuclear Energy

Freeman, Marsha. "China Takes the Lead in Nuclear Energy." Spring, 65.

Hecht, Marjorie Mazel. Editorial. "How to Build 6,000 Nuclear Plants." Spring, 2.

Hecht, Marjorie Mazel. "Save the Fast Flux Test Facility! The U.S. Must Go Nuclear." Spring, 68.

Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.

News Brief. "For Democrats, Nuclear Is Now on the Table." Spring, 7.

News Brief. "LaRouche Youth Inject Optimism into Hanford Nuclear Fight." Spring, 6.

Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring 22.

Wolfe, L. "Dedication [to Dr. Robert J. Moon]." Box. Spring, 23.

"Why the FFTF Is Unique." Box. Spring, 70.

Hecht, Marjorie Mazel. "It's Not 'Waste': Nuclear Fuel Is Renewable." Box. Summer, 52.

Muckerheide, James. "How to Build 6,000 Nuclear Plants By 2050." Summer, 36.

News Brief. "NRC's Diaz Calls for 100 U.S. Nuclear Plants in 20 Years." Summer, 8.

Johnson, Ralph. "The Real Cost of Killing the FFTF." Fall, 8.

News Brief. "Russia and China Join to Build Floating Nuclear Plant." Fall, 11.

Maitra, Ramtanu. "Thorium: Preferred Nuclear Fuel of the Future." Fall, 45.

Hecht, Marjorie Mazel. "Thorium Converter Reactor Ready for Development." Box. Fall, 48.

Detloff, Robert. "Nuclear Power or the 'Gang Green': A Visit to MIT's Research Reactor." Fall 52.

Ferguson, Cloret S. "The Promise of Boron-Neutron Capture Therapy for Treating Brain Tumors." Fall, 58.

"The BNCT Pioneers." Box. Fall, 59.

Ferguson, Cloret S. "Court Vindicates BNCT Researchers." Box. Fall, 61.

Ferguson, Cloret S. "Court Vindicates BNCT Researchers." Box. Fall, 61.

Hecht, Laurence. Editorial. "Hydrogen: First Element of Economic Recovery." Winter, 2.

News Brief. "Million-Member British Labor Union Calls for Nuclear Power." Winter, 4.

Hecht, Marjorie Mazel. "The Beauty of the Nuclear Fuel Cycle." Winter, 66.

Pedagogy

Herschel, John Frederick [1859]. "A Call for a Musical Pitch of C-512." Spring, 4.

Kirsch, Michael. "How Gauss Defeated Euler's Sophistry." Spring, 52.

Leibniz, Gottfried. "Man Is Not a Beast." Box. Spring, 55.

"Understanding a Sophist's Mind: Euler's False Proof of the Fundamental Theorem." Box. Spring, 58.

Jones, Cody. "On the Re-Discovery of a Principle to Communicate the Relationship of Principles." Summer 20.

Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.

Vaughan, Hal Wm. "Archimedean Polyhedra and the Boundary: The Missing Link." Summer, 54.

Fansler, Merv. "Leibniz or Newton: 'What's the Difference?'" Fall, 17.

Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.

Physics

Herschel, John Frederick [1859]. "A Call for a Musical Pitch of C-512." Spring, 4.

Hecht, Laurence. "The Renowned Herschels." Box. Spring, 4.

Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.

Feyh, Lance C. "Iron in the Sun: Nuclear Chemist Challenges Theory of Solar Origin." Summer, 78.

News Brief. "Betavoltaics Harnesses Radioactive Decay for Long-Lasting Batteries." Summer, 9.

News Brief. "New Concept Breaks Diffraction Barrier in Microscopy." Summer, 9.

News Brief. "Danish Scientists Claim New Hydrogen Fuel Storage Method." Fall, 10.

Hughes, Charles. "Constructing a Very Large, Short-Focus Telescope." Fall, 64.

News Brief. "Danish Researchers Discover 'Hydrogen Pill.'" Winter, 4.

Tennenbaum, Jonathan. "Vernadsky Museum Conference: Optimism in the Midst of Political Uncertainty." Fall, 69.

Hecht, Laurence. Editorial. "Hydrogen: First Element of Economic Recovery." Winter, 2.

Hecht, Laurence. "A Keplerian Solution to the Quasicrystal Problem." Winter, 6.

Tennenbaum, Jonathan. "Amplitude Quantization As an Elementary Property of Macroscopic Vibrating Systems." Winter, 50.

"How to Build a Doubochinski Pendulum." Box. Winter, 58.

Science and the Youth Movement

Halevy, Aaron. "Euler and the Economic Hit Men." Box. Spring, 57.

Kirsch, Michael. "How Gauss Defeated Euler's Sophistry." Spring, 52.

Kirsch, Michael. "Understanding a Sophist's Mind: Euler's False Proof of the Fundamental Theorem." Box. Spring, 58.

Jones, Cody. "On the Re-Discovery of a Principle to Communicate the Relationship of Principles." Summer, 20.

Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.

Fansler, Merv. "Leibniz or Newton: 'What's the Difference?'" Fall, 17.

Detloff, Robert. "Nuclear Power or the 'Gang Green': A Visit to MIT's Research Reactor." Fall 52.

Lerner, Michelle. "From Kepler to LaRouche—Von Neumann Was Wrong: The Solar System Teaches Us Economics." Winter, 10.

Science Policy

Hecht, Marjorie Mazel. Editorial. "How to Build 6,000 Nuclear Plants." Spring, 2.

Hecht, Marjorie Mazel. "Save the Fast Flux Test Facility! The U.S. Must Go Nuclear." Spring 68.

Moon, Robert J. "A First-Hand Report: The Manhattan Project As a Crash Science-Driver Program." Spring, 40.

News Brief. "LaRouche Youth Inject Optimism into Hanford Nuclear Fight." Spring, 6.

News Brief. "Scientists Accuse NIH of Ignoring Public Health." Spring, 6.

News Brief. "For Democrats, Nuclear Is Now on the Table." Spring, 7.

Wolfe, L. "A Tragedy in Three Acts: The Beast-Men Behind the Dropping of the Atomic Bomb." Spring, 22.

Cooper, Hal. "42,000 Miles of Electric Rail and Maglev." Summer, 22.

Freeman, Richard and Hal Cooper. "Why Electrified Rail Is Superior." Box. Summer, 26.

Hecht, Marjorie Mazel. "It's Not 'Waste': Nuclear Fuel Is Renewable." Box. Summer, 52.

LaRouche, Lyndon H., Jr. Editorial. "Science and the Needed Solution to the Current Global Economic Crisis." Summer, 2.

Muckerheide, James. "How to Build 6,000 Nuclear Plants By 2050." Summer, 36.

News Brief. "NRC's Diaz Calls for 100 U.S. Nuclear Plants in 20 Years." Summer, 8.

Shields, Sky. "Examining the LaRouche-Riemann Method: Franklin Roosevelt's Economic Shock Front." Summer, 10.

Hecht, Laurence. Editorial. "To Stop Flu Pandemic, Change Your Axioms!" Fall, 2.

"Senate proposes \$3.9 Billion to Fight Avian Flu." Box. Fall, 3.

Johnson, Ralph. "The Real Cost of Killing the FFTF." Fall, 8.

News Brief. "To Protect Against Mother Nature, Build Infrastructure." Fall, 10.

Hecht, Laurence. "Flu Pandemic: It's the Physical Economy, Stupid!" Fall, 22.

LaRouche, Lyndon H., Jr. "LaRouche: Public Sanitation Is First Line of Defense." Box. Fall, 24.

"Who Wants a Pandemic?" Box. Fall, 26.

Lowry, Colin. "Last Chance to Stop Avian Flu Pandemic." Fall, 27.

Baker, Marcia Merry. "LaRouchePAC Testimony: To Meet New Pandemic Threats, Bring Back Public Health." Fall, 34.

Maitra, Ramtanu. "Thorium: Preferred Nuclear Fuel of the Future." Fall, 45.

Gallagher, Paul. "Cheney's Energy Act: Will Warren Buffett Be the New Samuel Insull?" Fall, 62.

Tennenbaum, Jonathan. "Vernadsky Museum Conference: Optimism in the Midst of Political Uncertainty." Fall, 69.

Hecht, Laurence. Editorial. "Hydrogen: First Element of Economic Recovery." Winter, 2.

News Brief. "Borlaug Warns of Complacency, As Wheat Rust Spreads." Winter, 5.

LaRouche, Lyndon H., Jr. "On the Noëtic Principle: Vernadsky and Dirichlet's Principle." Winter, 18.

Freeman, Marsha. "U.S. Auto Plants Never Just Produced Cars." Winter, 64.

Craig, Christine. "Despite Much Talk, Bird Flu Is Spreading." Winter, 72.

Scientific Classics

Leibniz, Gottfried W. "On the Expression in Rational Numbers of the Exact Relationship of a Circle to Its Circumscribed Square." Fall, 12.

Vernadsky, Vladimir I. "Some Words About the Noösphere." Spring, 16.

Vernadsky, Vladimir I. "On Some Fundamental Problems of Biogeochemistry." Winter, 39.

Space Science, Technology, and Exploration

"A Mysterious Meteorite." Box. Spring, 80.

Freeman, Marsha. "A Year in the Life of Two Rovers: Now We Know There Was Water on Mars." Spring, 79.

BOOKS REVIEWED

Gallez, Paul. *La Cola del Dragon* (The Tail of the Dragon) (Rick Sanders). Winter, 70.

IMAX Corporation. "Magnificent Desolation: Walking on the Moon 3D" (Marsha Freeman). Winter, 71.

Joseph, Frank. *Survivors of Atlantis* (Charles Hughes). Spring, 78.

Zaehring, Alfred J. *Rocket Science* (Marsha Freeman). Fall, 72.