

Dr. Viorel Badescu

CURRICULUM VITAE

Dr Viorel Badescu is 48 years old, is married and has two children. He graduated the Faculty of Mechanical Engineering at the Polytechnic University of Bucarest and obtained the Ph.D at the Energetics Faculty in the same University. He worked as an inspector of dynamic systems in a chemical plant, researcher in the field of fluid mechanics and finite element methods and teacher in thermodynamics. Actually he is an Associate Professor in the Chair of Applied Thermodynamics at the Polytechnic University of Bucarest. His main research directions refer to: solar energy and its applications , finite element methods , statistical physics and thermodynamics. He published seven books and more than one hundred and fifty scientific papers. He received four awards among which the Romanian Academy Prize for Physics in 1979. He is reviewer or Associate Editor of four international journals and member of 9 scientific societies.

Richard Brook Cathcart

GEOGRAPHOS

1608 East Broadway #107
Glendale, California 91205-1524
USA
(818) 246-8422
E-mail: rbcathcart@msn.com

Experience

Founded GEOGRAPHOS in 1969. Participated in Howard Jarvis' Proposition 13 tax revolt in 1978, a real estate consultant to Kaplanis & Grimm (Los Angeles, CA) since 1978. Born 23 November 1943.

On-line reports

“Earth’s Sequential Abandonment by Terra-creatures and Subsequent New Niche-creation (Space Habitats)”, viewable at:

<http://www.aeiveos.com/~bradbury/Authors/Evolution/Cathcart-RB/ESAbTcaSNNc.html>
(January 2001).

“Solar Travel”, viewable at: <http://www.astronomytoday.com/exploration/solartravel.html> (November 2000).

“Responsive Super Sculpture: An Macro-engineering Antidote for Unwanted Earth-biosphere Alterations”, viewable at: http://2100.org/text_Gibraltar.html (June 2000).

Publications

“Stellar Engines for Kardashev’s Type II Civilization”, Journal of the British Interplanetary Society 53:297-306 (September-October 2000) [with **Viorel Badescu**].

“Tibetan power: A unique hydro-electric macroproject servicing India and China”, Current Science 77: 854-855 (10 October 1999). [India]

“Land Art as global warming or cooling antidote”, Speculations in Science and Technology: An International Journal for Innovation and Creativity 21: 65-72 (1998).

“Taming Mars with a Tent and a Tunnel: Creation of a Biosphere-City”, SST 21: 117-131 (1998).

“Greenhouse atmospherics: Mega-deaths or Macro-engineering?” SST 20: 17-20 (1997).

“Seeing is Believing: Planetographic Data Display on a Spherical TV”, JBIS 50: 103-104 (1997).

“Gauthier’s ‘Linear City’”, Environmental Conservation: An International Journal of Environmental Science 23: 286 (1996).

“Mitigative Anthropogeomorphology: a revived ‘plan’ for the Mediterranean Sea Basin and the Sahara”, Terra Nova: The European Journal of Geosciences 7: 636-640 (1995).

“Macro-engineering and terraforming: building modernized and additional functional regions”, SST 14: 34-40 (1991).

“Is the Trans-Channel Icebridge a viable alternative to the Channel Tunnel?” SST 10: 63-65 (1987).

“Improving the status of Rodoman’s electronic geography proposal”, SST 9: 37-39 (1986).

“What if We Lowered the Mediterranean Sea?” SST 8: 7-15 (1985).

“Macro-engineering Transformation of the Mediterranean Sea and Africa”, World Futures 19: 111-121 (1983).

“Mediterranean Basin-Sahara Reclamation”, SST 6: 150-152 (1983).

“A Megastructural End to Geologic Time”, JBIS 36: 291-297 (1983).

“Radioactive Waste Element Liquefying Device for Geologic Fault Fusion”, SST 4: 103-104 (1981).

“How a Global Warming Could Change the Geographical Future”, The Futurist: a journal of forecasts, trends and ideas about the future 14: 28 (October 1980).

“Meteorite Mining”, Future Life #27 (June 1981), page 13.

“On the road to Antarctica”, Future Life #23 (December 1980), page 13 .

Essay-bibliographies

[The following fourteen titles are lengthy reports, all published by Vance Bibliographies, P.O. Box 229, Monticello, Illinois 61856. “P” refers to “Public Administration Series” and “A” refers to “Architecture Series”.]

November 1980 “A Futures Study of Latin America”, P-603.

- May 1980 “Light from Tibet”, P-482.
 “Ground Effects Machines (GEMs) in Antarctica”, P-481.
- April 1980 “Geo-duplication: Some Replacement Costs for Nature”,
 P-461.
- February 1980 “Un-Earthly, Non-human Architecture”, A-182.
 “Herman Sorgel”, A-181.
- December 1979 “Vehicular Cities”, A-144.
 “Any City, Earth: A Mass Savings Account”, A-143.
- November 1979 “American Geography’s Image of Human Life *in* Earth”, A-119.
- September 1979 “Evaporative Sea Basin Power-drop Sites”, P-328
 “America, 1979 A.D.: Engeoneering Our Nation’s Future”, P-327.
 “Engeoneering: Europe and the USSR”, P-326.
 “LDC’s (The Less Developed Countries): A Possible Engeoneered Future”, P-325.
- April 1979 “*The Developing Artificial Geography of the Solar System*”, P-206.

Mentioned/quoted

- Albert A. Harrison, Spacefaring: The Human Dimension (2001), pg. Pp. 243 and 308.
- Uwe Kitzinger & E.G. Frankel, Macro-engineering and the Earth: World Projects for the Year 2000 and Beyond (1998), pg. 81.
- Wolfgang Voigt, Atlantropa: Weltbauen am Mittelmeer. Ein Architektentraum der Moderne (1998), pp. 121, 123 and 139.
- Martyn John Fogg, Terraforming: Engineering Planetary Environments (1995), pg. 9.
- Andrew Shaw Goudie, The Human Impact on the Natural Environment (1986), pg. 186.
- James Edward Oberg, New Earths: Restructuring Earth and Other Planets (1981), pg. 94.

Membership

The American Society for Macro Engineering

Education

Associate of Arts (1964, City College of San Francisco)

Bachelor of Arts (1966, San Francisco State College)

Master of Arts (1969, San Francisco State College)

[MA Thesis: "Regional Planning in the Strand Area of the Monterey Bay, California"]

California Community College Instructor Credential #23930, awarded 20 July 1972.