

The List:
500 Scientists with Documented Doubts of Man-Made Global Warming Scares
(An alphabetical listing is provided separately)

The following list includes more than 500 qualified researchers, their home institutions, and the peer-reviewed studies they have published in professional journals providing historic and/or physical proxy evidence that:

- 1) Most of the recent global warming has been caused by a long, moderate, natural cycle rather than by the burning of fossil fuels;
- 2) The sun's varying radiance impacts the earth's climate as more or fewer cosmic rays create more or fewer of the low, wet clouds that act as the earth's thermostats, deflecting more or less solar heat out into space.
- 3) Sea levels are not rising rapidly nor are they likely to;
- 4) Wild species are not being driven to extinction but rather are increasing the biodiversity of our wildlands;
- 5) Fewer humans death are likely rather than more as the current warming continues, since cold is far more dangerous and the earth is always warming or cooling;
- 6) Food production is likely to thrive during the decades ahead, rather than collapsing due to climate overheating;
- 7) Our storms are likely to be fewer and milder as the declining temperature differential between the equator and the poles reduces their power.

The Hudson list includes researchers from many of the world's top research institutions, such as the Lamont-Doherty Earth Observatory affiliated with Columbia University, the Harvard-Smithsonian Center for Astrophysical Research, the Woods Hole and Scripps Oceanographic Institutes, Sweden's Upsala University, Australia's Waikato University, South Africa's Witwatersrand University, and the Chinese Academy of Sciences.

The key dispute, of course, is whether the recent global warming has been due to humans burning fossil fuels or to the natural, moderate 1,500 year cycle discovered in the Greenland and Antarctic ice cores in the 1980s. Willi Dansgaard of Denmark and Hans Oeschger of Switzerland discovered the climate cycle, in the first long Greenland ice cores. Claude Lorius of France led the Antarctic team which reported on the first long Antarctic ice core in 1985. They shared the Tyler Prize—the environmental version of the Nobel—in 1996.

Dansgaard-Oeschger cycles have since been found in seabed and lake sediments, ancient tree rings, boreholes, cave stalagmites, glacier movements and archeological artifacts all over the world. We rejoice that their work is now supported by hundreds of peer-reviewed research reports, with more than 1,000 authors and co-authors, from research institutions around the world.

This partial listing is derived primarily from the citations in our book, *Unstoppable Global Warming—Every 1,500 Years*. As the time of our small staff permits, we will publish additional studies and their authors to support the very important view that the Modern Warming is natural and no more dangerous than were the Medieval Warming, the Roman Warming and the Holocene Warming before it.

Studies Finding Evidence of the Climate Cycle:

W. Dansgaard et al., “North Atlantic Climatic Oscillations Revealed by Deep Greenland Ice Cores,” in *Climate Processes and Climate Sensitivity* (1984), ed., F. E. Hansen and T. Takahashi, Geophysical Monograph 29, (Washington, D.C., American Geophysical Union).

W. Dansgaard, University of Copenhagen, Denmark

Hans Oeschger, deceased, retired from the University of Bern, Switzerland

W Dansgaard et al., “Evidence for general instability of past climate from a 250-kyr ice-core record,” *Nature* 364 (1992): 218-220

W. Dansgaard, University of Copenhagen, Denmark

S. J. Johnson, University of Iceland

H.B. Clausen, University of Copenhagen, Denmark

D. Dahl-Jensen, University of Copenhagen, Denmark

N.S. Gundestrup, University of Copenhagen, Denmark

C.U. Hammer, University of Copenhagen, Denmark

C.S. Hvidberg, University of Copenhagen, Denmark

J. P. Steffenson, University of Copenhagen, Denmark

A. E. Sveinbjornsdottir, University of Iceland

J. Jouzel, French Atomic Energy Commission

G. Bond, Lamont-Doherty Geological Observatory, New York.

Claude Lorius et al., “A 150,000-Year Climatic Record from Antarctic Ice,” *Nature*, Vol. 316, pp. 591-96, 1985.

Claude Lorius, French National Center for Scientific Research

C. Ritz, French National Center for Scientific Research

J. Jouzel, Geochemical Isotope Laboratory, France

L. Merlivat, Geochemical Isotope Laboratory, France

S. Korotkevich, Geochemical Isotope Laboratory, France

N. I>. Barkov, Arctic and Antarctic Research Institute, Leningrad

V. M. Kotlyakov, Russian Institute of Geography

T. Cronin, “Climatic Variability in the Eastern U.S. over the past Millennium from Chesapeake Bay Sediments, *Geology*, Vol. 28, p 3-6, 2000

T. Cronin, USGS

D. Willard, USGS

A Karlsen, USGS

S. Ishman, USGS

S. Verardo, USGS

J/. McGeehin USGS

Kerhin, Maryland Geological Survey, Baltimore, MD

C Holmes, USGS

S. Colman, USGS

A. Zimmerman, Virginia Inst. Of Marine, Science, Gloucester Pt, VA

Gerald H. Haug, “Climate and the Collapse of Maya Civilization,” *Science* 299 (2003): 1731-1735.

Gerald H. Haug, Geopforschungszentrum, Potsdam, Germany

Detlef Gunther, ETH, Zurich, Switzerland

Larry C. Peterson, University of Miami

Daniel M. Sigman, Princeton University

Konrad A. Hughen, Woods Hole Oceanographic Institution

Beat Aeschlimann, ETH, Zurich, Switzerland

David Hodell et al., “Solar Forcing of Drought Frequency in the Maya Lowlands,” *Science* 292 (2001): 1367-70.

David Hodell, University of Florida

Mark Brenner, University of Florida

Jason H. Curtis, University of Florida

Thomas Guilderson, Livermore National Lab, Livermore, CA

Nicolas Caillon et al., “Timing of Atmospheric CO₂ and Antarctic Temperature Changes Across Termination III,” *Science* 299 (2003): 1728-31.

Nicolas Caillon, Scripps Institution of Oceanography

Jeffrey P. Severinghaus, Scripps

Jean Jouzel, French Atomic Energy Commission

Jean-Marc Barnola, Laboratory of Glaciology and Geophysics Environment, France

Jiancheng Kang, Polar Research Institute of China

Volodya Lipenkov, Arctic and Antarctic Research Institute, St. Petersburg, Russia

Tandong Yao et al., “A 2000-Year Tibetan Temperature History,” *Science in China* 45 (2002): 1068-1074.

Tandong Yao, Chinese Academy of Sciences, Beijing

K. Duan, Chinese Academy of Sciences, Beijing

B., Xu, Chinese Academy of Sciences, Beijing

N. Wang, Chinese Academy of Sciences, Beijing

J. Pu, Chinese Academy of Sciences, Beijing

L. Tian, Chinese Academy of Sciences, Beijing

W. Sun, Chinese Academy of Sciences, Beijing

S. Kang, Chinese Academy of Sciences, Beijing

X. Quin, Chinese Academy of Sciences, Beijing

L.G. Thompson, Ohio State

D. Dahl-Jensen et al., “Past Temperatures Direct from the Greenland Ice Sheet,” *Science*, Vol. 282 (1998): 268-271.

D. Dahl-Jensen, Niels Bohr Institute, Copenhagen

K. Mørgaard, Niels Bohr Institute, Copenhagen

N. Gundestrup, Niels Bohr Institute, Copenhagen

J. Johnsen, Niels Bohr Institute, Copenhagen

A.W. Hansen, Niels Bohr Institute, Copenhagen

G. D. Clow, USGS, Denver

N. Balling, University of Aarhus, Denmark

Paul A. Mayewski et al., “Major features and forcing of high-latitude northern hemisphere atmosphere circulation using a 110,000-year-long glaciochemical series,” *Journal of Geophysical Research*, 102 (1997): 26,345-26,356.

Paul A. Mayewski, Loren D. Mekker, U. N>H>,
Mark S. Twickler, University of New Hampshire
Sallie Whitlow, University of New Hampshire
Qunzhao Yang, University of New Hampshire
W. Berry Lyons, University of Alabama
Michael Prentice, University of New Hampshire

Sharon E Nicolson, “The nature of rainfall variability over Africa on time scales of decades to millennia,” *Global and Planetary Changes* 26 (2000): 137-158.

Sharon Nicholson, Florida State

Henry Lamb, “Vegetation Response to Rainfall Variation and Human Impact in Central Kenya during the Past 1,100 Years” *The Holocene* 13 (2003):258–92.

Henry Lamb, Institute of Geography and Earth Science, University of Wales
Iain Darbyshire, Institute of Geography and Earth Science, Univ. of Wales
Dirk Verschuren, Institute of Geography and Earth Science, Univ. of Wales

Bettina Schilman et al., “Global Climate Instability Reflected by Eastern Mediterranean Marine Records during the Late Holocene, *Paleogeography, Paleoclimatology, Paleoecology* 176 (2001): 157-76.

Bettina Schilman, Geological Survey of Israel
Miryam Bar-Matthews, Geological Survey of Israel
Ahuva Almogi-Labin, Geological Survey of Israel
Boaz Luz, Hebrew University of Jerusalem

N/ Shaviv and J. Veizer, “Celestial Driver of Phanerozoic climate?” *Geological Society of America* 13 (2003): 4-10.

Nir Shaviv, Hebrew University of Jerusalem
Jan Veizer, University of Ottawa, Canada

Hubert H. Lamb, *Climate, history and the Modern World* (New York: Rutledge 1982), 191.

Hubert H. Lamb, East Anglia University, UK

Kang Chao, *Man and Land in China: An Economic Analysis* (Palo Alto, CA: Stanford University Press, 1986).

Kang Chao, Tunghai University, China

L. G. Thompson, T. Yao, “A High Resolution Millennial Record of the South Asian Monsoon from Himalayan Ice Cores,” *Science* Vol. 289 (2000) 1916-1919.

L. G. Thompson, Ohio State

T. Yao, Chinese Academy of Sciences
E. Mosley-Thompson, Ohio State
M. E. Davis, Ohio State
K.A. Henderson, Ohio State
P.-N. Lin, Ohio State

Gerard Bond et al., “A Pervasive Millennial-Scale Cycle in North Atlantic Holocene and Glacial Climates,” *Science*, Vol., 278 (1997) 1257-1266.

Gerard Bond, Lamont-Doherty Earth Observatory, New York.
William Showers, North Carolina State
Maziet Cheseby, Lamont-Doherty Institute
Rusty Lotti, Lamont-Doherty
Peter deMenocal, Lamont-Doherty
Paul Priore, Lamont-Doherty
Heidi Cullen, Lamont-Doherty
Irka Hadas, ETH, Zurich
Georges Bonani, ETH, Zurich,
Peter Almasi, Lamont-Doherty

Gerard Bond et al., “Persistent Solar Influence on North Atlantic Climate during the Holocene,” *Science* 294 (2001): 2130-2136.

Gerard Bond, Lamont-Doherty Earth Observatory, New York
Bernd Kromer, Heidelberg Academy of Sciences, Germany
Juerg Beer, Eidgenossische Anstalt fur Wasserversorgung, Switzerland
Raimund Muscheler, University of Arizona
Michael N Evans, University of Arizona
William Showers, North Carolina State University
Sharon Hoffman, Lamont-Doherty Earth Observatory
Rusty Lotti-Gond, Lamont-Doherty Earth Observatory
Irka Hajdas, Accelerator Mass Spectrometry
Georges Bonani, Accelerator Mass Spectrometry

P. M. Liew et al., “Holocene thermal optimal and climate variability of East Asian monsoon inferred from forest reconstruction of a subalpine pollen sequence, Taiwan,” *Earth and Planetary Science Letters* 250 (2006): 596-605.

P. M. Liew, National Taiwan University
C.Y. Lee, National Taiwan University
C.M. Kuo, Chinese Petroleum Corporation, Taipei

L. Keigwin, “The Little Ice Age and Medieval Warm Period in the Sargasso Sea,” *Science* Vol., 274(1996) 1503-1508.

Lloyd D. Keigwin, Woods Hole Oceanographic Institute

Peter de Menocal et al., “Coherent High- and Low-Latitude Climate Variability During the Holocene Warm Period,” *Science* Vol. 288 (2000) 2198-2202.

Peter de Menocal, Lamont-Doherty Earth Observatory

Joseph Ortiz, Lamont-Doherty Earth Observatory
Michael Sarnthein, University of Kiel, Germany

Frank McDermott et al., “Centennial-Scale Holocene Climate Variability Revealed by a High-Resolution Speleothem O¹⁸ record from SW Ireland,” *Science* Vol., 294 (2001): 1328-13331.

Frank McDermott, University College, Dublin
David P. Matthey, University of London
Chris Hawkesworth, Bristol University

Maureen Raymo et al., “Millennial-scale climate instability during the early Pleistocene epoch,” *Nature*, Vol. 392 (1998) 699-702.

Maureen Raymo, MIT
K. Ganley, MIT
S. Carter, MIT
D. W. Oppo, Woods Hole Oceanographic Institute
J. McManus, Woods Hole Oceanographic Institute

S. Baedke and T. Thompson, “A 4,700-Year Record of Lake Level and Isostasy for Lake Michigan,” *Journal of Great Lakes Research*, Vol. 26 (2000): 416-426.

Steve J. Baedeker, James Madison University,
Todd A Thompson, Indiana University.

T. N. Huffman, “Archeological Evidence for Climatic Change During the Last 2000 Years in Southern Africa,” *Quaternary International*, Vol. 33 (1996): 55-60.

Thomas Huffman, University of Witwatersrand, South Africa

S. Desprat et al., “Revealing climatic variability of the last three millennia in northwestern Iberia using pollen influx data,” *Earth and Planetary Science Letters*, Vol. 213 (2003): 63-78.

S. Desprat, University of Bordeaux
M.F. Sanchez Goni, University of Bordeaux
M-F Loutre, Georges Lemaitre Institute, France

Anders Moberg et al., “Highly variable Northern Hemisphere temperatures reconstructed from low-and high-resolution proxy data,” *Nature*, Vol. 433 (2005): 613-617.

Ander Moberg, Stockholm University
Dmitry M Sonechkin, Hydrometeorological Research Centre of Russia
Karin Holmgren, Stockholm University
Nina M. Datsenko, Hydrometeorological Research Centre of Russia
Wibjorn Karlen, Stockholm University

S. Huang and P. Shen, “Later Quaternary temperature changes seen in world-wide continental heat flow measurements,” *Geophysical Research Letters*, Vol. 24 (1997) 1947-1950,

Shaopeng Huang, University of Michigan
Po Yu Shen, University of Western Ontario

D. Arsenault and S. Payette, “Reconstruction of Millennial Forest Dynamic from Tree Remains in a Subarctic Tree Line Peatland,” *Ecology* 78 (1997): 1873-883.

Dominic Arsenault, Universite Laval, Quebec, Canada
Serge Payette, Universite Laval, Quebec, Canada

O. Watanabe, et al., “Homogeneous climate variability across East Antarctica over the past three glacial cycles,” *Nature*, Vol. 422 (2003): 509-512,

O. Watanabe, Japanese National Institute of Polar Research
F. Parenin, Laboratory of Climate Science and the Environment, France
H. Shoji, Kitami Institute of Technology, Japan
N. Yoshida, Tokyo Institute of Technology

B. Wagner and M. Melles, “A Holocene seabird record from Raffles So sediments, East Greenland, in response to climatic and oceanic changes,” *Boreas* Vol. 20 (2000): 228-239.

Bernd Wagner, Alfred Wegener Institute, Potsdam, Germany.
Martin Melles, Leipzig University

J. Kasper and M. Allard, “Late-Holocene climatic changes as dated by the growth and decay of ice wedges, Northern Quebec, Canada,” *The Holocene*, Vol. 11.5 (2001): 563-577.

Jennifer N Kasper, University of Ottawa
Michel Allard, Universite Laval, Quebec

J. Moore et al., “Little Ice Age recorded in summer temperature reconstruction from varved sediments of Donard Lake, Baffin Island, Canada, *Journal of Paleoclimatology*, Vol. 25 (2001) 503-517.

J.J. Moore, University of Colorado
K.A. Hughen, Woods Hole Oceanographic Institution
G. H. Miller, U. of Colorado
J. T. Overpeck, U. of Arizona

M. Naurzbaev et al., “Variation of early summer and annual temperature in East Taymir and Puteran (Siberia) over the last two millennia inferred from tree rings,” *Journal of Geophysical Research*, Vol. 105 (2000): 7317-7326.

M.M. Naurzbaev, Sukachev Institute of Forest, Russia
E. A Vaganov, Sukachev Institute of Forest, Russia
O.V. Sidorova, Sukachev Institute of Forest, Russia
F. H. Schweingruber, Swiss Federal Research Institute

P. Schuster et al., “Chronological Refinement of and Ice Core Record at Upper Fremont Glacier in South Central North America,” *Journal of Geophysical Research*, Vol. 105 (2000): 4657-66.

Paul Schuster, USGS
David L. Naftz, USGS
L. DeWayne Cecil, USGS
David L. White, Golden Software

V. F. Nguetsop et al., “Late Holocene Climatic Changes in West Africa, a High Resolution Diatom Record from Equatorial Cameroon,” *Quaternary Science Reviews*, Vol. 23 (2004): 591-609.

Francois Nguetsop, French National Museum of Natural History
Simone Servant-Vildary, French National Museum of Natural History
Marie Servant, ORSTOM, France

D. Arsenault and S. Payette, “Reconstruction of Millennial Forest Dynamic from Tree Remains in a Subarctic Tree Line Peatland,” *Ecology*, Vol. 78 (1997): 1873-88.

Dominic Arsenault, U. of Quebec
Serge Payette, Universite Laval, Quebec

B. Berglund, “Human Impact and Climate Changes; *Quaternary International*, vol. 105 (2003): 7-14.

Bjorn E. Berglund, Lund University, Sweden

S. Niggemann et al., “A Paleoclimate Record of the Last 17,600 Years in Stalagmites from the B7 Cave in Sauerland, Germany,” *Quaternary Science Reviews*, Vol. 22 (2003): 555-567.

Stefan Niggemann, Ruhr-University, Bochum, Germany
A. Mangini, Ruhr-University, Bochum
D.K. Richter, Ruhr-University, Bochum
G. Wurth, Ruhr-University, Bochum

M. L. Filippi, et al., “Climatic and Anthropogenic Influence on the Stable Isotope Record from Bulk Carbonates and Ostracodes in Lake Neufchatel, Switzerland During the Last Two Millennia,” *Journal of Paleolimnology*, Vol. 21, pp; 19-34, 2000

M.L. Filippi, University of Bergen
p. Lambert, University of Bergen
B. Kubler, University of Bergen
S. Bernasconi, University of Bergen
J. Hunziker, University of Bergen

E. Andren, et al., “The Holocene History of the Southwestern Baltic Sea as Reflected in a Sediment Core from the Bornholm Basin,” *Boreas*, Vol. 29 (2000): 233-250.

Elinor Andren, Upsala University
Thomas Andren, EU Baltic Sea System Study Project
Gunnar Sohlenius, Swedish Royal Institute of Technology

F. Rodrigo, “Rainfall Variability in Southern Spain on Decadal to Centennial Time Scales,” *International Journal of Climatology* 20 (2000): 721-732.

F. S. Rodrigo, University of Almerla, Spain

M.J. Esteban-Parra, University of Granada
I. Pozo-Vazquez, University of Jaen, Spain
Y. Castro-Diez, University of Granada, Spain

A. Sousa and G. Garcia-Murillo, “Changes in the Wetlands of Andalusia at the End of the Little Ice Age,” *Climatic Change*, Vol. 58 (2003): 193-217.

A. Sousa, University of Sevilla
G. Garcia-Murillo, University of Sevilla

**M. Schoell, “Oxygen Isotope Analysis on Authigenic Carbonates from Lake Van Sediments and Their Possible Bearing on the Climate of the Past 10,000 Years,” in *The Geology of Lake Van*, (1978), eds. F. Kurtman and E.T. Degens, Mineral and Exploration Institute of Turkey,
Martin Schoell, Chevron Petroleum Technology Co.**

A.S. Issar, “Climate Change and History during the Holocene in the Eastern Mediterranean Region,” in *Diachronic Climate Impacts on Water Resources with Emphasis on the Mediterranean Region*, (1998), *Global Environmental Change*, NATO ASI Series

Arie S. Issar, Ben Gurion University, emeritus

A. S. Issar et al., “Climatic Changes in Israel During Historical Times, and Their Impact on Hydrological, Pedological and Socioeconomic Systems,” *Paleoclimatology and Paleometeorology: Modern and Past Patterns of Global Atmospheric Transport*, ed. M. Leinen and M. Sarnthein (Dordrecht, Netherlands: Kluwer Academic Publishers, (1989), 535-41.

Arie S. Issar, Ben Gurion University
H. Tsoar, Ben Gurion University
D. Levin, Ben Gurion University

A. Frumkin et al., “The Holocene Climatic Record of the Salt Caves of Mount Sedom, Israel,” *Holocene* vol. 1 (1991): 191-200.

Amos Frumkin, Hebrew University of Jerusalem
M. Magaritz, Weizmann Institute of Science
Israel Carmi, Weizmann Institute of Science
Israel Zak, Hebrew University of Jerusalem

F.A. Hassan, “Historic Nile Floods and Their Implication for Climatic Change,” *Science*, Vol. 212 (1981): 1142-1145.

Fekri A Hassan, Washington State University

D. Fleitmann et al., “Holocene Forcing of the Indian Monsoon Recorded in a Stalagmite from Southern Oman,” *Science*, Vol. 300 (2003): 1737-1739.

Dominik Fleitmann, University of Bern
Ulrich Neff, Heidelberg Academy of Science
Stephen J. Burns, University of Massachusetts

Manfred Mendelsee, University of Leipzig

Jan Kramers, University of Bern

Augusto Mangini, Heidelberg Academy of Science

Albert Matter, University of Bern

W. H. Berger and U. von Rad, “Decadal to Millennial Cyclicity in Varves and Turbidites from the Arabian Sea: Hypothesis of Tidal Origins,” *Global and Planetary Change*, Vol. 34 (2002): 313-325.

Wolfgang H. Berger, University of California/San Diego

Ulrich von Rad, Bundesanstalt für Geowissenschaften und Rohstoffe, Germany

H. Xu et al., “Temperature Variations of the Last 6,000 Years Inferred from O-18 Peat Cellulose from Hongyuan, China,” *Chinese Science Bulletin*, Vol. 47 (2002): 1584.

Hai Xu, Institute of Earth Environment, Chinese Science Academy

Yetang Hong, Institute of Geochemistry, Chinese Science Academy

Quinghua Lin, Institute of Geochemistry, Chinese Science Academy

Bing Hong, Institute of Geochemistry, Chinese Science Academy

J. Jiang, Institute of Geochemistry, Chinese Science Academy

Yongxuan Zhu, Institute of Geochemistry, Chinese Science Academy

Ma Zhibang et al., “Paleotemperature Changes over the Past 3,000 Years in Eastern Beijing, China: a Reconstruction Based on Mg/Sr Records in a Stalagmite,” *Chinese Science Bulletin* 48 (2003): 395-400.

Hongchun Li, University of Southern California

Ma Zhibang, Chinese Academy of Sciences

Zicheng Peng, University of Science and Technology of China

Telung Ku, University of Southern California

Ting Ming, Chinese Academy of Sciences

Xia Ming, Chinese Academy of Sciences

Li Hongchun, University of Southern California

Zhang Zhaofeng, University of Science and Technology of China

H. Kitagawa and E. Matsumoto, “Climatic Implications of 13 C Variations in a Japanese Cedar during the Last Two Millennia,” *Geophysical Research Letters*, Vol. 22 (1995): 2155-2158.

Hiroyuki Kitagawa, International Research Center for Japanese Studies, Kyoto

Eiji Matsumoto, Nagoya University, Japan

Dirk Verschuren et al., “Rainfall and Drought in Equatorial East Africa during the Past 1100 Years,” *Nature* Vol. 403 (2000) 410-414.

Dirk Verschuren, University of Gent, Belgium

K. R. Laird, Queen’s University, Ontario

B. F. Cummings, Queen’s University, Ontario

J. Esper and M. Winiger, “1,300 Years of Climate History for Western Central Asia Inferred from Tree Rings,” *The Holocene* 12 (2002): 267-77.

Jan Esper, University of East Anglia, UK

Matthias Winiger, University of Bonn

L. Graumlich, "Global Change in Wilderness Areas: Disentangling Natural and Anthropogenic Changes," U.S. Forest Service Proceedings RMRS-P-15, Vol. 3, 2000.

Lisa Graumlich, Montana State University

M. Cioccale, "Climatic fluctuations in the Central Region of Argentina in the last 1000 years," *Quaternary International*, Vol. 62 (1999): 35-47.

Marcela A Cioccale, National University of Cordoba, Argentina

Y. Bao et al., General Characteristics of Temperature Variation in China during the Last Two Millennia, *Geophysical Research Letters*, Vol. 10 (2002) 1029/2001GL014485

Bao Yang, Chinese Academy of Sciences

Achim Braeuning, University of Stuttgart

Kathleen R. Johnson, University of California/Berkeley

H. Fricke and J. O'Neal, "Viking Teeth Recount Sad Greenland Tale," *Science News*, Vol. 19, 1994.

Henry C. Fricke, University of Michigan

James O'Neal, University of Michigan

W. Soon and S. Baliunas, "Reconstructing Climate and Environmental Change of the Past 1,000 Years," *Energy & Environment* 14 (2003): 233-96.

Willi Soon, Harvard-Smithsonian Center for Atmospheric Research

Sallie Baliunas, Harvard-Smithsonian Center for Atmospheric Research

M. J. Salinger, "Southwest Pacific Temperature: Trends in Maximum and Minimum Temperatures," *Atmospheric Research*, Vol. 37 (1995): 87-100.

M. J. Salinger, National Institute of Water and Atmospheric Research, New Zealand

P. Calkin et al., "Holocene Coastal Glaciation of Alaska," *Quaternary Science Review*, vol. 20 (2001): 449-461.

Parker Calkin, University of Colorado

Gregory C. Wiles, College of Wooster

David J. Barclay, State University of New York/Cortland

Jean Grove, *The Little Ice Age*, Cambridge University Press, 1988

Jean Grove, deceased, Girton College, Cambridge, UK.

D. H. Clark, "Little Ice Age Glaciers and Moraines of the Sierra Nevada: Thinly Covered Glacial Ice," in *GSA Abstract with Programs* 24 (Oak Ridge TN Associated Universities) 1992.

H. Clark, U. of Washington,

M.M. Clark, unknown

Allen Gillespie, University of Washington

P. Wardle, "Variations of Glaciers of the Westland National Park and Hooker Range," *New Zealand Journal of Botany* 11, (1973): 349-388.

P. Wardle, Department of Science and Industrial Research, New Zealand

S. Winkler, "The Little Ice Age Maximum in the Southern Alps, New Zealand, Mueller Glacier," *The Holocene*, Vol. 10 (2000): 643-647.

Stefan Winkler, Wurzburg University, Germany

K. Birkenmajer, "Lichenometric Dating of Raised Marine Beaches at Admiralty Bay, West Antarctica," *Bulletin de L'Academie Polonaise Des Science*, Vol. 29 (1981): 119-127.

Krzysztof Birkenmajer, Polish Academy of Sciences

S. Bjorck, "Later Holocene Paleoclimate Records from Lake Sediments on James Ross Island, Antarctica," *Palaeogeography, Palaeoclimatology, Palaeoecology* 21 (1996): 195-220.

Svante Bjorck, Lund University, Sweden.

B. Hall and G. Denton, "New Relative Sea Level Curves for the Southern Scott Coast, Antarctica, Evidence for Holocene Deglaciation of the Western Ross Sea," *Journal of Quaternary Science*, Vol. 14 (1999): 641-650.

B. L. Hall, University of Maine

G.H. Denton, University of Maine

A.E. Jennings, N.J. Weiner, "Environmental Change in Eastern Greenland during the Last 1,300 Years," *The Holocene*, Vol. 6 (1998): 268-271.

Anne Jennings, University of Colorado

Nancy J. Weiner, University of Colorado

Dennis Darby et al., "New Record Shows Pronounced Changes in Arctic Ocean Circulation and Climate," *EOS Transactions*, Vol. 82 (2001): 601-607 (American Geophysical Union)

Dennis Darby, Old Dominion University

Jens Bischof, Old Dominion U.

Gregory Cutter, Old Dominion U.

Anne de Vernal, McGill

Claude Hillaire-Marcel, McGill

Gary Dwyer, Duke

Lisa E Osterman, USGS

Leonid Polyak, Ohio State

Richard Z. Poore, USGS

D. R. Muhs et al., "Vegetation and Paleoclimate of the Last Interglacial Period, Central Alaska," *Quaternary Science Review*, Vol. 20 (2001): 41-61.

D. R Muhs, University of Iowa
T. A. Ager, University of Iowa
J. B. Beget, University of Iowa

J. Kasper and M. Allard, “Late Holocene Climatic Changes as Detected by the Growth and Decay of Ice Wedges on the Southern Shore of Hudson Strait, Northern Quebec, Canada,” *The Holocene*, Vol. 11 (2001): 563-567.

J. N. Kasper, University of Ottawa
Michel. Allard, Universite Laval, Quebec

A. E. Viau, “Widespread Evidence of 1,500-Year Climate Variability in North America during the Past 14,000 Years,” *Geology* 30 (2002): 455-58.

A. E. Vaiu, University of Ottawa
Konrad Gajewski, University of Ottawa
Micheal Sawada, University of Ottawa
P. Fines, University of Ottawa

COHMAP authors, “Climate Changes of the last 18,000 years: Observations and Model Simulations,” *Science* 241 (1988): 1043-52

P.M. Anderson, University of Washington
Cathy W. Barnosky, University of Washington
P.J. Bartlein, University of Oregon
John Berks, Cambridge University
Pat J. Behling, University of Wisconsin
Linda Brubaker, University of Washington
E.J. Cushing, University of Minnesota
J.R. Dodson, University of Canterbury, New Zealand
Edward Fleri, Photon Research Associates, La Jolla, CA
Peter J. Guetter, University of Wisconsin
Sandra P. Harrison, University of Bristol, UK
Brina Huntley, University of Durham, UK
J.E. Kutzbach, University of Wisconsin
Vera Markgraf, University of Arizona
M.S. McGlone, Department of Scientific and Industrial Research, New Zealand
N.T. Moar, Department of Scientific and Industrial Research, New Zealand
Joseph Morley, Lamont-Doherty Earth Observatory
R. Allan Perrott, University of Wales
Gilbert M. Peterson, University of Wisconsin
Warren L. Prell, Brown University
I. Colin Prentice, Lund University, Sweden
Neil Roberts, Loughborough University of Technology, UK
William F. Ruddiman, University of Virginia
M.J. Salinger, University of East Anglia
W. Geoffrey Spaulding, University of Arizona
Alayne A. Street-Perrott, Oxford University
R. S. Thompson, USGS

Pao-Kuan Wang, University of Wisconsin
Tom Webb III, Brown University
Marjorie G. Winkler, University of Wisconsin
H.W. Wright, Jr., University of Minnesota

C.E. Larsen, "A Stratigraphic Study of Beach Features on the Southwestern Shore of Lake Michigan: New Evidence of Holocene Lake Level Fluctuations,"
Environmental Geology Notes 211 (1985): 31 Illinois State Geological Survey.
C.E. Larsen, USGS

V. LaMarche, "Paleoclimatic Inferences from Long Tree Ring Records," *Science*,
Vol. 183 (1974): 1043-48.
V. C. LaMarche, University of Arizona

A. Chepstow-Lusty, "Tracing 4,000 Years of Environmental History in the Cuzco Area, Peru, from the Pollen Record," *Mountain Research and Development* 18
(1998): 159-172.

A. Chepstow-Lusty, "Climatic Changes in the South American Plains: Records of a Continent-Scale Oscillation," *Quaternary International* 57/58, (1999): 93-112.
Alex. J. Chepstow-Lusty, Cambridge University

M. Iriondo, "Climatic Changes in the South American Plains: Records of a Continent-Scale Oscillation," *Quaternary International* 57-58 (1999): 93-112.
Martin Iriondo, University of Santa Fe, Argentina

B. L. Valero-Garces et al, "Paleohydrology of Andean Saline lakes from Sedimentological and Isotopic Records, Northwestern Argentina," *Journal of Paleolimnology* 24 (2000) 343-349.
Blas Valero-Garces, Institute of Ecology-CSIC, Zaragoza, Spain
A. Delgado-Huertes, Experiment Station El Zaidin-CSIC, Granada, Spain
N. Ratto, University of Buenos Aires, Argentina,
A. Navas, Experiment Station Aula Dei-CSIC, Zaragoza, Spain
L. Edwards, University of Minnesota

M. Rietti-Shati et al., "A 3,000-Year Climatic Record from Biogenic Silica Oxygen Isotopes in an Equatorial High-Altitude Lake," *Science* 281 (2000): 980-982.
M Rietti-Shati, Weizmann Institute
Aldo Shemesh, Weizmann, Institute
Wibjorn Karlen, University of Stockholm

P. Tyson et al., "The Little Ice Age and Medieval Warming in South Africa," *South African Journal of Science*, Vol. 96 (2000): 121-126.
Peter D. Tyson, University of Witwatersrand, South Africa
Karin Holmgren, University of Stockholm
Wibjorn Karlen, University of Stockholm

- G. A. Heiss, German Advisory Board on Climate Change
 O. Svenared, University of Stockholm
K. Holmgren et al., “A Preliminary 3,000-Year Regional Temperature Reconstruction for South Africa,” *South African Journal of Science* 97 (2001): 49-51.
 Karin Homlgren, University of Stockholm
 Wibjorn Karlen, University of Stockholm
 S. E. Lauritzen, University of Bergen
 J. A. Lee-Thorpe, University of Cape Town
 T. C. Partridge, University of Witwatersrand
 S. Piketh, University of Witwatersrand
- J. Grove and A. Battagel, “Tax Records from Western Norway as an Index of Little Ice Age Environmental and Economic Deterioration,” *Climatic Change* 5, (December 1990): 265-82.**
 Jean Grove, deceased, Girton College, Cambridge
 Arthur Battagel, West Sussex, UK
- A. T. Wilson, et al., “Short-Term Climate Change and New Zealand Temperatures during the Last Millennium,” *Nature*, Vol. 279 (1979): 315-317.**
 A. T. Wilson, University of Waikato
 Chari H. Hendy, University of Waikato
 C. P. Reynolds, University of Waikato
- L. Keigwin, “The Little Ice Age and Medieval Warm Period in the Sargasso Sea,” *Science* 274 (1996): 1503-1508”**
 Lloyd Keigwin, Woods Hole Oceanographic Institute
- T. De Garidel-Thoron and L. Beaufort, “High-Frequency Dynamics of the Monsoon in the Sulu Sea during the Last 200,000 Years,” EGS General Assembly, Nice France, April, 2000.**
 Thibeault De Garidel-Thoron, Rutgers University
 Luc Beaufort, CNRS, France
- F. Dapples, et al., “New Record of Holocene Landslide Activity in the Western and Eastern Swiss Alps: Implication of Climate and Vegetation Changes,” *Ecologiae Geologicae Helveticae* 96 (2003): 1-9.**
 Florence Dapples, University of Fribourg, Switzerland
 Daniel Oswald, University of Fribourg, Switzerland
 Hugo Raetzo, Natural Hazards Department, Swiss government
 Tomaso Lardelli, info@lardi.ch, Switzerland
 Paul Zwahlen
- John Bluemle, “Some Thoughts on Climate Change,” North Dakota State Geological Survey Newsletter 28, (2001): 1-2.**
 John Blumele, North Dakota State Climatologist

James Goodridge,” Urban Bias Influences on Long-Term California Air Temperature Trends,” *Atmospheric Environment* 26B (1992): 1-7.

James Goodridge, retired California State Climatologist

N. Reeh, “Mass Balance of the Greenland Ice Sheet: Can Modern Observation Methods Reduce the Uncertainty?, “*Geografiska Annaler* 81A (1999): 735-42.

Niels Reeh, Technical University of Denmark

H. Braun et al., “Possible Solar Origin of the 1,470-Year Glacial Climate Cycle Demonstrated in a Coupled Model,” *Nature* 438 (2005): 208-211.

Holger Braun, Heidelberg Academy of Sciences, Germany

Marcus Christl, Heidelberg Academy of Sciences, Germany

Stefan Rahmstorf, Potsdam Institute for Climate Impact Research, Germany

Andrey Ganopolski, Potsdam Inst. for Climate Impact Research, Germany

Augusto Mangini, Heidelberg Academy of Sciences, Germany

Claudia Kubatzki, Alfred Wegener Institute, Bremerhaven, Germany

Kurt Roth, U. of Heidelberg, Germany

Bernd Kromer, U. of Heidelberg, Germany

A. de Laat and A. Maurellis, “Industrial CO₂ Emissions as a Proxy for Anthropogenic Influence on Lower Tropospheric Temperature Trends,” *Geophysical Research Letters* 31 (2004): doi 1029/2003GL019024.

A. T. J. de Laat, Netherlands Institute for Space Research,

A N. Maurellis, Netherlands Institute for Space Research

J. Stone et al., “Holocene Deglaciation of Marie Byrd Land, West Antarctica,” *Science* 299 (2003): 99-102.

John Stone, University of Washington

Gregory Balco, University of Washington

David E. Sugden, University of Edinburgh

Mark C. Caffee, Lawrence Livermore Lab

Louis C. Sass III, Colorado College

Seth G. Coudeny, Colorado College

Christine Siddoway, Colorado College

W. E. Dean et al., “The Variability of Holocene Climate Change: The Evidence from Varved Lake Sediments,” *Science* 226 (1984): 1191-1194.

Walter E. Dean, USSGS

J. Pratt Bradbury, USGS

Roger Y. Anderson, University of New Mexico

Cathy Barnosky, Carnegie Museum of Natural History, Pittsburgh

R. E. Vance, et al., “7,000-Year Record of Lake-Level Change on the Northern Great Plains: A High-Resolution Proxy of Past Climate,” *Geology* 20 (1992): 870-82.

R.E. Vance, Simon Fraser University, Canada

R. W. Mathews, Simon Fraser University
John Clague, Simon Fraser University

Theodor Landscheidt, *Solar Activity: A Dominant Factor in Climate Dynamics*, 1998
Theodor Landscheidt, Schroeter Institute for Research in Cycles of Solar Activity, Nova Scotia.

P.F. Schuster et al., “Chronological Refinement of an Ice Core Record at Upper Fremont Glacier in South Central North America,” *Journal of Geophysical Research* 105 (2000): 4657-4666.

P. F. Schuster, USGS
David L. Krabbenhoft, USGS
David L. Naftz, USGS
M.L. Olson, <USGS
J.F. Dewild, USGS
J.R. Green, USGS
M.L. Abbot, USGS

S. L. Forman et al., “Large-Scale Stabilized Dunes on the High Plains of Colorado: Understanding the Landscape Response to Holocene Climates with the Aid of Images from Space,” *Geology* 20 (1992): 145-48.

S. L. Forman, Ohio State
Alexander H.F. Goetz, Ohio State
Robert Yukas, Ohio State

D.R. Muhs and V.T. Holliday, “Evidence of Active Dune Sand on the Great Plains in the 19th Century from Accounts of Early Explorers,” *Quaternary Research* 43 (1995): 198-208

Daniel R Muhs, USGS
Vance T. Holliday, University of Wisconsin
William R. Boggess, Duke University

Millar, C.I., “Late Holocene forest dynamics, volcanism and climate change at Whitewing Mountain and San Joaquin Ridge, Mono County, Sierra Nevada, CA, USA,” *Quaternary Research* 66 (2006): 273-87.

Constance I. Millar, U.S. Forest Service
John C. King, Lone Pine Research, Bozeman, MT
Robert D. Westfall, U.S. Forest Service
Harry A. Alden, Smithsonian Institute
D.L. Delang, U.S. Forest Service

D. Meko et al., “The Tree-Ring Record of Severe Sustained Drought,” *Water Resources Bulletin* 31 (1995): 789-801.

David M. Meko, University of Arizona
Charles W. Stockton, University of Arizona
William R. Boggess, Duke University.

R. F. Madole, "Stratigraphic Evidence of Desertification in the West Central Great Plains within the Past 1,000 Years," *Geology* 22 (1994): 483-86

Richard F. Madole, USGS

J. C. Knox, "Climatic Influence on Upper Mississippi Valley Floods," in *Flood Geomorphology*, ed. V. R. Baker, R.C. Kochel, and A.C. Patton (New York: Wiley 1988). 279-300

J. C. Knox, University of Wisconsin

W. H. Quinn, "A Study of Southern Oscillation-Related Climatic Activity for A.D. 622-1990 Incorporating Nile River Flood Data," in *El Nino: Historical and Paleoclimatic Aspects of the Southern Oscillation*, Henry Diaz, ed., Cambridge University Press, 1992, 119-50.

William H. Quinn, Oregon State University, deceased.

Hans Neuberger, "Climate in Art," *Weather* 25 (1970): 46-56.

Hans Neuberger, emeritus, Penn State University

S. McIntyre and R. McKittrick, "Corrections to the Mann et al., "Proxy Data Base and Northern Hemispheric Average Temperature Series, 1998," *Energy & Environment* 14 (2003): 751-71.

Steven McIntyre, www.climateaudit.org

R, McKittrick, www.climateaudit.org

E. Kalnay and M. Cai, "Impact of urbanization and land-use changes on climate, *Nature* 423 (2003): 528-531.

Eugenia Kalnay, University of Maryland

Ming Cai, Florida State University

Studies on the Sun-Climate Connection

Henrik Svensmark, "Influence of Cosmic Rays on Earth's Climate," *Physical Review Letters* 81 (1999): 5027-30.

Henrik Svensmark, Danish Space Research Institute

Paul Brekke, "Viewpoint," BBC News, 16 November, 2000.

Paul Brekke, European Space Agency

M. Stuiver, "Variation in Radiocarbon Concentration and Sunspot Activity," *Journal of Geophysical Research*, 66 (1962): 273-76.

Minze Stuiver, University of Washington

C.A. Perry and K.J. Hsu, "Geophysical, Archaeological, and Historical Evidence Support a Solar-Output Model for Climate Change," *Proceedings of the National Academy of Sciences USA* 97 (2000); 12433-438.

Charles A. Perry, USGS
Kenneth J. Hsu, Tarim Associates, Zurich

Drew T. Shindell, et al., “Solar Forcing of Regional Climate Change during the Maunder Minimum,” *Science* 294 (2001): 2149-152.

Drew T. Shindell, NASA
Gavin A. Schmidt, University of Virginia
Michael E. Mann, University of Massachusetts
David Rind, NASA
Anne Waple, University of Massachusetts

N.D. Marsh and H. Svensmark, “Low Cloud Properties Influenced by Cosmic Rays,” *Physical Review Letters* 85 (2000): 5004-7

Nigel.D. Marsh, Danish Space Research Institute
Henrik Svensmark, Danish Space Research Institute

J. Haigh, “The Effects of Change in Solar Ultra-Violet Emission on Climate,” American Association for the Advancement of Science annual meeting, Philadelphia, February, 1998.

Joanna Haigh, Imperial College, UK

D. Shindell et al., “Solar Cycle Variability, Ozone, and Climate,” *Science* 284 (1999): 305-8.

Shindell, Drew T., NASA
Nambeth Balachandran, NASA
Judith Lean, U.S. Naval Research Laboratory
Patrick Lonergan, Space & Science Applications, Inc., New York, N.Y.

R. S. Lindzen, et al., “Does the Earth Have an Adaptive Iris?” *Bulletin of the American Meteorological Society* 82 (2001): 417-432.

Richard Lindzen, MIT
Ming-Dah Chou, Goddard Institute
Arthur Hou, Goddard Institute

Y.C. Sud et al., Mechanism Regulating Sea-Surface Temperatures and Deep Convection in the Tropics,” *Geophysical Research Letters* 26 (1999): 1019-22.

Y.C. Sud, Goddard Institute
Greg K. Walker, Goddard Institute
William K-M Lau, Goddard Institute

J. Chen, et al., “Evidence for Strengthening of the Tropical General Circulation in the 1990s,” *Science* 295 (2002): 838-41.

Junye Chen, Columbia University
Barbara Carlson, Goddard Institute
Anthony Del Genio, Goddard Institute

Bruce Weilicki et al., “Evidence for Large Decadal Variability in the Tropical Mean Radiative Energy Budget,” *Science* 295 (2002): 841-44.

Bruce Weilicki, NASA Langley
Takmeng Wong, NASA Langley
Richard P. Allen, Hadley Centre, UK
Anthony Slingo, Hadley Centre, UK
Jeffrey T. Kiehl, NCAR
Brian J. Soden, NOAA
C.T. Gordon, NOAA
Alvin K. Miller, NOAA
Shi-Keng Yang, NOAA
David A Randall, NASA
Joel Susskind, Goddard
Herbert Jacobowitz, NOAA

Studies Show Sea Levels Not Rising Rapidly

N. Morner, “Estimating Future Sea Level Changes from Past Records,” *Global and Planetary Change* 40 (Jan., 2004): 49-54.

Nils Axel Morner, Stockholm University

O. W. Mason and J. W. Jordan, “Minimal Late Holocene Sea Level Rise in the Chukchi Sea: Arctic Insensitivity to Global Change?,” *Global and Planetary Changes* 32 (2002): 13-23.

Owen K. Mason, University of Alaska Museum
James W. Jordan, Antioch New England Graduate School, Keene, NH

M. Ekman, “Climate Changes Detected through the World’s Longest Sea Level Series,” *Global and Planetary Change* 21 (1999): 1215-224.

Martin Ekman, Swedish National Land Survey

B. Douglas and W. Peltier, “The Puzzle of Global Sea-Level Rise,” *Physics Today* 55 (2002): 35-40.

Bruce C Douglas, Florida International University
W. R. Peltier, University of Toronto

Studies Show Storms Not Worsening

J. B. Elsner et al., “Spatial Variations in Major U.S. Hurricane Activity: Statistics and a Physical Mechanism,” *Journal of Climate* 13 (2000): 2293-305.

James B. Elsner, Florida State
Kam-Biu Liu, LSU
Bethany Kocher, Florida State

Robert Balling and Randall Cerveney, "Compilation and Discussion of Trends in Severe Storm in the United States: Popular Perception or Climate Reality?" *Natural Hazards* 29 (June 2003): 103-12.

Robert Balling, Jr., Arizona State University

Randall Cerveney, Arizona State University

E. K. Kunkel, "North American Trends in Extreme Precipitation," *Natural Hazards* 29 (2003): 291-305.

Kenneth Kunkel, Illinois State Water Survey

R.H. Kriplani et al., "Indian Monsoon Variability in a Global Warming Scenario," *Natural Hazards* 29 (2003): 189-206.

R. H. Kripalani, Indian Institute of Meteorology

Ashwini Kulkarni, Indian Institute of Meteorology

S. S. Sabade, Indian Institute of Meteorology

M. L. Khandekar, consulting meteorologist, Unionville, Ont.

N. Faucherau et al., "Rainfall Variability and Changes in Southern Africa during the 20th Century in the Global Warming Context," *Natural Hazards* 29 (2003): 139-54.

N. Faucherau, University of Bourgogne, France

S. Trazaska, University of Bourgogne, France

M. Rouault, University of Bourgogne, France

Y. Richard, University of Cape Town, S. Africa

Stanley Changnon and David Changnon, "Long-term Fluctuations in Thunderstorm Activity in the U.S.," *Climatic Change* 50 (2001): 489-64.

Stanley Changnon, University of Illinois

David Changnong, Northern Illinois University

Thomas P. Grazulis, *Significant Tornadoes: 1680-1991: A Chronology and Analysis of Events* (St. Johnsbury, VT, Environmental Films, 1993).

Thomas P. Grazulis, The Tornado Project, St. Johnsbury, VT.

H.E. Brooks and C.A. Powell, "Normalized Damage from Major Tornadoes in the United States, 1890-1999," *Weather and Forecasting* 16 (2001): 168-76.

Harold E. Brooks, NOAA

Charles A. Doswell, Coop. Institute for Mesoscale Meteorological Studies, Norman, OK

Thomas R. Karl and Richard W. Knight, "Secular Trends of Precipitation Amount, Frequency, and Intensity in the United States," *Bulletin of the American Meteorological Society* 79 (1998): 233-241.

Thomas R. Karl, NOAA

Richard W. Knight, NOAA

J. Nott and M. Hayne, "High Frequency of Super-Cyclones along the Great Barrier Reef over the Past 5,000 Years," *Nature* 413 (2001): 508-12.

Jonathon Nott, James Cook University, Australia
Matthew Hayne, James Cook University, Australia

K. Zhang et al., “Twentieth-Century Storm Activity along the U.S. East Coast,”
Journal of Climate **13 (2000): 1748-1761.**

Keqi Zhang, University of Maryland
Bruce C. Douglas, University of Maryland
Stephan P. Leatherman, Florida International University

M. E. Hirsch et al., “An East Coast Winter Storm Climatology,” *Journal of Climate*
14 (2001): 882-99.

Matthew E. E. Hirsch, Cornell University
Arthur T DeGaetano, Cornell University
Stephen J. Collucci, Cornell University

W. Bijl, et al., “Changing Storminess? An Analysis of Long-term Sea Level Data
Sets,” *Climate Research* **11, (1999): 161-72.**

Wim Bijl, National Institute for Coastal and Marine Management, Netherlands
R. A. Flather, Bidston Observatory, UK
J.G. de Ronde, Netherlands Institute for Coastal and Marine Management,
Torben Schmith, Danish Meteorological Institute

Studies Show Wild Species Adapting to Climate Change

D. Kobluk and M. Lysenko, “Ring Bleaching in Southern Caribbean Agaricia
Agaricites during Rapid Water Cooling,” *Bulletin of Marine Science* **54 (1994): 142-**
50.

D. R. Kobluk, University of Toronto
Mary A Lysenko, University of Toronto

C. L. Lewis and M.A. Coffroth, “The Acquisition of Exogenous Algal Symbions by
an Octocoral after Bleaching,” *Science* **304 (2004): 1490-91.**

Cynthia Lewis, University of Buffalo
Mary Ellen Coffroth, University of Buffalo

J. Levinton, “The Big Bang of Animal Evolution,” *Scientific American* **267 (1992):**
84-91.

Jeffrey Levinton, State College of New York/Stony Brook.

R.O. Lawton, et al., “Climatic Impact of Tropical Lowland Deforestation on Nearby
Mountain Cloud Forests,” *Science* **294 (2001): 584-87.**

R. O. Lawton, University of Alabama/Huntsville
U.S. Nair, University of Alabama/Huntsville
R. A. Peilke, Sr., Colorado State University
R.M. Welch, Colorado State University

C. Loehle, “Height Growth Rate Tradeoffs Determine Northern and Southern Range Limits for Trees,” *Journal of Biogeography* 25 (1998): 735-42.

Craig Loehle, Argonne National Laboratory

S. Idso, C. Idso and K. Idso, *The Specter of Species Extinction* (Washington, D.C., The Marshall Institute, 2003), 1-39.

Sherwood Idso, Center for CO₂ Science, Tempe, AZ

Craig Idso, Center for CO₂ Science, Tempe, AZ

Keith Idso, Center for CO₂ Science, Tempe, AZ

D. I. Axelrod, “Mio-Pliocene Floras from West-central Nevada,” *University of California Publications in the Geological Sciences* 33 (1956): 1-316

D. I. Axelrod, University of California

R. R. Nemani et al., “Climate-Driven Increases in Global Terrestrial Net Primary Production from 1982 to 1999,” *Science* 300 (2003): 1560-563.

Ramakrishna Nemani, University of Montana

Charles D. Keeling, Scripps Institute of Oceanography

Hirofumi Hasimoto, Universities of Montana and Tokyo

William M. Jolly, University of Montana

Stephen C. Piper, Scripps Institute of Oceanography

Compton J. Tucker, NASA

Ranga B. Myneni, Boston University

Steven E. Running, University of Montana

P. Hersteinsson and D. W. MacDonald, “Interspecific Competition and the Geographical Distribution of Red and Arctic Foxes, *Vulpes vulpes* and *Alopex lagopus*,” *Oikos* 64 (1992): 505-15.

Pall Hersteinsson, University of Iceland

David W. Macdonald, Oxford University

C.D. Thomas et al., “Ecological and Evolutionary Processes at Expanding Range Margins,” *Nature* 411 (2001): 577-81.

Chris D. Thomas, University of Leeds

E.J. Budsworth, University of Leeds

R.J. Wilson, University of Leeds

A.D. Simmons, University of Leeds

Z.G. Davies, University of Leeds

M. Musche, University of Leeds

L. Conradt, University of Leeds

Cara Lowe, graduate student at Canterbury University in New Zealand, who reported on warm-water survival of an Antarctic fish species at the New Zealand Antarctic Conference at Waikato University in 2004. See “Antarctic Fish Set to Survive Warmer Seas,” *New Zealand Herald*, April 16, 2004.

R. J. Ladle et al., “Dangers of Crying Wolf over Risk of Extinctions,” *Nature* 428 (2004): doi: 10.1038/428799b.

R.J. Ladle, Oxford University

P. Jepson, Oxford University

N. P. Araujo, Oxford University

R. J. Whittaker, Oxford University

G. Grabherr et al., *Climate Effects on Maintain Plants*,” *Nature* 369 (1994): 448.

Georg Grabherr, University of /Vienna

Michael M. Gottfried, University of Vienna

Harald Pauli, University of Vienna

C. M. van Herk et al., “Long-Term Monitoring in the Netherlands Suggests that Lichens Respond to Global Warming” *Lichenologist* 34 (2002): 141-54.

C. M. van Herk, University of Eindhoven, Netherlands,

A. Aptroot, Centraalbureau voor Schimmelcultuur, Netherlands

E. Pollard et al., “Population Trends of Common British Butterflies at Monitored Sites,” *Journal of Applied Ecology* 32 (1995): 9-16.

Emie Pollard, Institute of Terrestrial Ecology, UK

A. J. Southward, “Seventy Years’ Observations of Changes in Distribution and Abundance of Zooplankton and Intertidal Organisms in the Western English Channel in Relation to Rising Sea Temperatures,” *Journal of Thermal Biology* 20 (1995): 127-55.

A. J. Southward, Marine Biological Association

R. C. Smith et al., “Marine Ecosystem Sensitivity to Climate Change,” *Bio-Science* 49 (1999): 393-404.,

Raymond C. Smith, University of California/Santa Barbara

David Ainley, H. T. Harvey & Associates, Alviso, CA

Karen Baker, University of California/Santa Barbara

Eugene Domack, Hamilton College, N.Y.

Steve Emslie, University of North Carolina-Wilmington

Bill Fraser, Montana State University

James Kennett, University of California/Santa Barbara

Amy Levanter, Colgate University

Sharon Stammerjohn, University of California/Santa Barbara

Maria Bernet, Scripps Oceanographic Institute

Ellen Mosely-Thompson, Ohio State

Ronald I. Lewis Smith et al., “Vascular Plants as Bioindicators of Regional Warming in Antarctica,” *Oecologia* 99 (1994): 322-28.

Ronald Lewis Smith, British Antarctic Survey

M. Sturm et al., “Increasing Shrub Abundance in the Arctic,” *Nature* 411 (2001): 546-47.

Matthew Sturm, U.S. Army Cold Regions Research
Charles Racine, U.S. Army Cold Regions Research
Kenneth Tape, U.S. Army Cold Regions Research

R. D. Sagarin et al., “Climate Related Change in an Intertidal Community of Short and Long Time Scales, *Ecological Monographs* 69 (1999): 465-90.

R. D. Sagarin, University of California/Santa Barbara
J. P. Barry, Monterey Bay Aquarian Research Institute
S. E. Gilman, University of California/Davis
C.H. Baxter, Hopkins Marine Station, Pacific Grove, CA

N.K. Johnson, “Pioneering and Natural Expansion of Breeding Distributions in Western North American Birds,” *Studies in Avian Biology* 15 (1994): 27-44.

N.K. Johnson, University of California/Berkeley

B. A. Kimball, “Carbon Dioxide and Agricultural Yields: An Assemblage and Analysis of 430 Prior Observations,” *Agronomy Journals* 75 (1983): 779-88.

Bruce Kimball, U.S. Department of Agriculture, Agricultural Research Service

H. Saxe et al., “Tree and Forest Functioning in an Enriched CO₂ Atmosphere,” *New Phytologist* 139 (1998): 395-436.

Henrik Saxe, Royal Veterinary and Agricultural School of Denmark
David S. Ellsworth, University of Michigan
James Heath, Lancaster University, UK

D. A. Graybill and S. B. Idso, “Detecting the Aerial Fertilization Effect of Atmospheric CO₂ Enrichment in Tree Ring Chronologies,” *Global Biogeochemical Cycles* 7 (1993): 81-95.

Sherwood B. Idso, USDA-Agricultural Research Service
Donald Graybill, University of Arizona