

## NTZ's List of 35 Sample "Global Cooling" Papers

A supplement to the Skeptical Science post:

**"The 1970s Global Cooling Zombie Myth and the Tricks Some People Use to Keep it Alive, Part II", by David Kirtley**

Authors	Date	Title	Journal	Comments	NTZ Full List Location
Kondratiev and Niilisk	1960	On the question of carbon dioxide heat radiation in the atmosphere	Geofisica pura e applicata	Simple climate model, found low climate sensitivity.	Part 2, #174
Lamb	1966	Climate in the 1960's Changes in the World's Wind Circulation Reflected in Prevailing Temperatures, Rainfall Patterns and the Levels of the African Lakes	The Geographical Journal	Future cooling...but, continue reading after NTZ's quote: "--provided that the climatic balance is not effectively tilted, inadvertently or otherwise, by Man's activities nor by other natural phenomena such as volcanic dust or the lack of it."	Part 1, #63
Fletcher	1969	Managing Climate Resources	Rand Corp Document	NTZ overlooked this: "an increase in CO2 increases the so-called 'greenhouse effect' and causes global warming. Some have suggested that the warming since 1900 was due to just such an increase in CO2."	Part 1, #84
Benton	1970	Carbon Dioxide and its Role in Climate Change	Proceedings of the National Academy of Science	Included in PCF08 survey as a "warming" paper. See SkS, Part II	Part 1, #6
Wahl and Lawson	1970	The Climate of the Midnineteenth Century United States Compared to the Current Normals	Monthly Weather Review	Mid-century cooling. Also notes CO2 and aerosol effects.	Part 1, #68
Libby	1970	Fifty Environmental Problems of Timely Importance	Rand Corp Document	Entire document is just a collection of quotes from media sources on the "Fifty Environmental Problems".	Part 2, #185
Bray	1971	Climatic Change and Atmospheric Pollution	Proceedings (New Zealand Ecological Society)	Cooling and warming possibilities.	Part 2, #115
Eichenlaub	1971	Further Comments on the Climate of the Midnineteenth Century United States Compared to Current Normals	Monthly Weather Review	Mid-century cooling.	Part 1, #92

Color Codes		
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Dubious Human Influence on Climate, Low CO2 Climate Sensitivity		Uncertain if Peer-reviewed
Uncertainties, Lack of Climate Understanding, Climate Modeling Problems		
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NTZ's Full List of 285 Papers: [Part 1](#)

[Part 2](#)

[Part 3](#)

[SkS 1970s Cooling Myth Tricks, Part I](#)

[SkS 1970s Cooling Myth Tricks, Part II](#)

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Holdren and Ehrlich	1971	"Overpopulation and the Potential for Ecocide", book chapter.	Book - <a href="#">Global ecology: Readings Toward a Rational Strategy for Man</a>	NTZ quote is about "cooling direction" but the very next paragraph goes on to mention possible warming in the future. Also, previous paragraphs from this section discuss the earth's energy budget, the greenhouse effect and CO2.	Part 1, #87
<b>Schultz</b>	1972	Holocene interglacial migrations of mammals and other vertebrates	Quaternary Research	<i>Armadillos!</i> See SkS, Part II	Part 1, #93
<b>Kukla</b>	1972	Insolation and Glacials	Boreas	Ice Ages-past and possible future. See SkS, Part II	Part 1, #1
Cimorelli & House	1974	Our Contaminated Atmosphere - The Danger of Climate Change	Masters Thesis/NASA Contract	Uses Rasool & Schneider 1971 without corrections, see SkS, Part II, under Dunbar 1976.	Part 1, #3
<b>Willett</b>	1974	Do Recent Climatic Fluctuations Portend an Imminent Ice Age?	Geofisica Internacional	Included in PCF08 survey as "neutral" paper. Clear predictions of NO imminent ice age completely ignored by NTZ. See SkS, Part II	Part 2, #158
<b>Ellsaesser</b>	1974	Has Man, Through Increasing Emissions of Particulates, Changed the Climate?	Atmosphere-surface exchange of particulate and gaseous pollutants. Proceedings of a symposium, Richland, Washington, September 4--6, 1974	NTZ completely ignored remarks about CO2 and warming: "Of the climatic problems raised, the CO2 one is best understood." Etc. See SkS, Part II	Part 1, #2
Schneider	1974	Atmospheric Particles and Climate: The Impact of Man's Activities	Chapter from book: <a href="#">New Concepts in Air Pollution Research</a>	Mid-century cooling, but keep reading past NTZ's quote: "However, we have recently realized that man has altered the face of the earth and the composition of the atmosphere on such a large scale that his influence can no longer be ignored relative to nature's...The effect of increased CO2 is well-known to be an increase in the temperature of the earth's surface by an enhancing of the 'greenhouse effect'..."	Part 1, #26

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[Part 2](#)

[Part 3](#)

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Newell	1974	Changes in the poleward energy flux by the atmosphere and ocean as a possible cause for ice ages	Quaternary Research	Newell notes that his hypothesis of ocean cooling as a mechanism for past, and possibly future, ice ages is <i>very speculative</i> and lacks data on the ocean's circulation and energy budget.	Part 1, #75
Douglas	1975	Climate Change: Chilling Possibilities	Science News	Noted in PCF08 in their look at popular media of the 1970s. Douglas also mentions CO2 warming possibilities.	Part 2, #104
Collis	1975	Weather and World Food	Bulletin American Meteorological Society	<b>This is one of three papers which are used twice (double-counted) in NTZ's full list of 285 papers.</b>	Part 1, #28 & Part 2, #98
Williamson	1975	Birds and Climatic Change	Bird Study	Mid-century cooling in the North Atlantic region (from Greenland to the British Isles) and the impacts on birds and their migrations. Fun quote: "Perhaps most birds make rather blunt instruments if we are looking for sensitive indicators of climatic change."	Part 2, #138
Dunbar	1976	Climatic Change and Northern Development	Arctic	Uses Rasool & Schneider 1971 without corrections, see SkS, Part II. Interesting quote after Dunbar noted CO2's supposed small warming effect: "It is a pity, in fact, that man's combustion efforts [and release of CO2] will not have a significant climatic effect; it might have been enough to delay or reduce the extent of the next glaciation!"	Part 2, #173
Wendland	1977	Tropical Storm Frequencies Related to Sea Surface Temperatures	Journal of Applied Meteorology	Mid-century cooling	Part 2, #103

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[Part 2](#)

[Part 3](#)

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Angell & Korshover	1978	Global Temperature Variation, Surface-100 mb: An Update into 1977	Monthly Weather Review	Mid-century cooling	Part 2, #97
<b>Robock</b>	1978	Internally and Externally Caused Climate Change	Journal of Atmospheric Sciences	Modelling. See SkS, Part II.	Part 1, #21
<b>Barrett</b>	1978	Man and Climate: An Overview	IEEE Transactions on Geoscience Electronics	Uses Rasool & Schneider 1971 without corrections, see SkS, Part II.	Part 3, #209
Bulatov and Zakharov	1978	Changes in the amount of multi-year ice in arctic seas during the current cooling trend	Polar Geography	Mid-century cooling	Part 2, #114
Hustich	1978	A change in attitudes regarding the importance of climatic fluctuations	Fennia	Climate and agriculture in Finland.	Part 2, #131
<b>Nelson, et al</b>	1979	Non-Climatic Trends in Divisional and State Mean Temperatures: A Case Study in Indiana	Journal of Applied Meteorology	Mid-century cooling. <i>Temperature adjustments!</i> See SkS, Part II.	Part 2, #106
Post	1979	Review: Climatic Change and Historical Explanation [Review of Lamb's book: <u>Climate: Present, past and Future. II: Climatic History and the Future</u> ]	The Journal of Interdisciplinary History	Book Review.	Part 2, #126
<b>Newell and Dopplick</b>	1979	Questions Concerning the Possible Influence of Anthropogenic CO2 on Atmospheric Temperature	Journal of Applied Meteorology	Used a simple model ("a static radiant flux model") and found low climate sensitivity. Concluding sentence: "It is not our intention to diminish the importance of the anthropogenic CO2 problem. In fact, if such different conclusions [different estimates of climate sensitivity] can be reached by separate paths [by different researchers using different models], it becomes even more important to study the problem in greater depth."	Part 3, #207

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Magill	1980	Temperature Variations in Southern Saskatchewan, 1921-1970: Regional Identification of Trends	Masters Thesis	Mid-century cooling in Canada.	Part 1, #22
Gordon	1981	Glacier Margin Fluctuations during the 19th and 20th Centuries in the Íkamiut Kangerdluarssuat Area, West Greenland	Arctic and Alpine Research	Glaciers advance/retreat based upon temperature and precipitation changes. Fun fact: used "lichenometric dating" (size of lichens on boulders) to date retreat/advance of glaciers in Greenland.	Part 1, #64
Gilchrist	1983	Increased Carbon Dioxide Concentrations and Climate: The Equilibrium Response	Book Chapter from: <a href="#">Carbon Dioxide Current Views and Developments in Energy/Climate Research 2nd Course of the International School of Climatology, Ettore Majorana Centre for Scientific Culture, Erice, Italy, July 16–26, 1982</a>	Modelling and uncertainties. Interesting quote (from book's intro.) about the dangers of cherry-picking quotes: "through selective choice of the published literature, it is easy to come to any conclusion one wishes about the CO2 problem as a whole, ranging from the view that there is no problem at all to predictions of climatic change so severe as to lead to societal collapse."	Part 3, #229
Karl et al	1984	Decreasing Diurnal Temperature Range in the United States and Canada from 1941 through 1980	Journal of Climate and Applied Meteorology	Changing DTR, see SkS, Part II.	Part 1, #24
Skeeter	1985	A Reevaluation of United States Temperature Trends from 1935 to 1981	Southeastern Geographer	Mid-century cooling.	Part 1, #4
Bryant	1987	CO2-warming, rising sea-level and retreating coasts: Review and critique	The Australian Geographer	Probably the best argued example against AGW. Raises valid points about the uncertainties in the science of the time.	Part 2, #170

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