# CLIMATEGATE: 30 YEARS IN THE MAKING

"A LITTLE TRUTH REPELS MUCH FALSEHOOD, JUST AS A LITTLE FIRE BURNS A LOT OF WOOD."

- HAZRAT ALI (D. 661)

#### A STORY OF INTRIGUE, DECEPTION AND SECRECY

On November 17, 2009 some 3,000 e-mails, software files, and other documents from the University of East Anglia's Climatic Research Unit were covertly released onto the Internet. In his November 28, 2009 telegraph.co.uk article "Climate Change: This is the Worst Scientific Scandal of Our Generation," Christopher Booker summarized the far-reaching ramifications of what was exposed in these documents:

The reason why even the Guardian's George Monbiot has expressed total shock and dismay at the picture revealed by the documents is that their authors are not just any old bunch of academics. Their importance cannot be overestimated, What we are looking at here is the small group of scientists who have for years been more influential in driving the worldwide alarm over global warming than any others, not least through the role they play at the heart of the UN's Intergovernmental Panel on Climate Change

Professor Philip Jones, the CRU's director, is in charge of the two key sets of data used by the IPCC to draw up its reports. Through its link to the Hadley Centre, part of the UK Met Office, which selects most of the IPCC's key scientific contributors, his global temperature record is the most important of the four sets of temperature data on which the IPCC and governments rely - not least for their predictions that the world will warm to catastrophic levels unless trillions of dollars are spent to avert it.

Dr Jones is also a key part of the closely knit group of American and British scientists responsible for promoting that picture of world temperatures conveyed by Michael Mann's "hockey stick" graph which 10 years ago turned climate history on its head by showing that, after 1,000 years of decline, global temperatures have recently shot up to their highest level in recorded history.

Given star billing by the IPCC, not least for the way it appeared to eliminate the long-accepted Mediaeval Warm Period when temperatures were higher they are today, the graph became the central icon of the entire man-made global warming movement.

Since 2003, however, when the statistical methods used to create the "hockey stick" were first exposed as fundamentally flawed by an expert Canadian statistician Steve McIntyre, an increasingly heated battle has been raging between Mann's supporters, calling themselves "the Hockey Team", and McIntyre and his own allies, as they have ever more devastatingly called into question the entire statistical basis on which the IPCC and CRU construct their case.

The senders and recipients of the leaked CRU emails constitute a cast list of the IPCC's scientific elite, including not just the "Hockey Team", such as Dr Mann himself, Dr Jones and his CRU colleague Keith Briffa, but Ben Santer, responsible for a highly controversial rewriting of key passages in the IPCC's 1995 report; Kevin Trenberth, who similarly controversially pushed the IPCC into scaremongering over hurricane activity; and Gavin Schmidt, right-hand man to Al Gore's ally Dr James Hansen, whose own GISS record of surface temperature data is second in importance only to that of the CRU itself. [16]

Writing in The Atlantic, Clive Crook is more candid: "In my previous post on Climategate I blithely said that nothing in the climate science email dump surprised me much. Having waded more deeply over the weekend I take that back. The closed-mindedness of these supposed men of science, their willingness to go to any lengths to defend a preconceived message, is surprising even to me. The stink of intellectual corruption is overpowering." [159]

As Charlie Martin explained in "Global WarmingGate: What Does It Mean," the e-mails suggested:

- 1) [T]he authors co-operated covertly to ensure that only papers favorable to CO2-forced AGW [Anthropogenic Global Warming or man-made global warming] were published, and that editors and journals publishing contrary papers were punished. They also attempted to 'discipline' scientists and journalists who published skeptical information.
- 2) [T]he authors manipulated and 'massaged' the data to strengthen the case in favor of unprecedented CO2-forced AGW, and to suppress their own data if it called AGW into question.
- 3) [T]he authors co-operated (perhaps the word is 'conspired') to prevent data from being made available to other researchers through either data archiving requests or through the Freedom of Information Acts of both the U.S. and the UK. [17]

#### THE CLIMATEGATE TIMELINE AND THE TICKING TIME BOMB

To better appreciate these themes, this Timeline chart consolidates and chronologically organizes information uncovered and published about the CRU e-mails by many researchers (see references) to visually show who said or did what and when and, from simultaneous events, to understand the context in which events occurred. There is far more information than can be assembled in one place, and more continues to be uncovered, but some of the key material found to-date has been included.

Though many event boxes are important, perhaps two are most critical: one from 1981, and another from October 12, 2009 (both with bomb icons). The first sets out the shaky foundation underpinning the AGW (Anthropogenic Global Warming or man-made global warming) enterprise, and the second an admission of its failure. Together, they help explain why everything that occurred in between (as revealed by the CRU documents and independent researchers like Steven McIntyre) was inevitable to plug the holes in the leaky boat and keep up appearances. Consequently, as Terence Corcoran sets out in "A 2,000-page epic of science and skepticism," disagreement and skepticism ran strife throughout the 13 years of e-mails [124].

The story that emerges is not of a smoking gun, but of a 30-year time bomb whose fuse was lit in 1981, when -- despite only a handful of scientists supporting it -- the AGW theory was championed, without question, by the Popular Press.

Given this foundation, it was only a matter of time before the growing divergence between real-world data and the AGW climate models, which had been considered beyond reproach, became self-evident and problematic. Offending data was massaged to fit the models to stave off questions and the losses that would ensue to the billion dollar climate industry: "\$32 billion for climate research, and another \$36 billion for development of climate-related technologies" by the US government alone. [131]

The data manipulation became so extreme that a CRU programmer tasked in 2006 with reproducing CRU's own published results using its own models and data was unable to do so after three years. Releasing the data and computer codes behind the models for others to review and verify was out of the question. Though FOI requests are redundant for peer-reviewed research, the CRU's refusal to release data and methods used for papers published in respected peer-reviewed journals, despite journal rules prohibiting such refusals, inevitably led to legal FOI requests, if for no other reason than that some scientists were insisting that the world commit trillions of dollars to economic policies based on what they claimed their research showed.

Lest there be any doubt that these scientists did anything wrong, Richard Lindzen, Alfred P. Sloan Professor of Meteorology at the Massachusetts Institute of Technology, explains what the CRU documents reveal: "They are unambiguously dealing with things that are unethical and in many cases illegal..." "[S]cientists manipulating raw temperature data..." "The willingness to destroy data rather than release it. The avoidance of Freedom of Information requests...." [66] Thus, while UEA and Pennsylvania State University said they were investigating the matter [69], the UK Met Office (which works closely with the CRU and relies heavily on its product) announced a 3-year project to re-examine 160 years of temperature data, signalling its own lack of confidence in its CRU-based record.

What about the supposedly independent temperature records of NASA's GISS and NOAA's NCDC? CRU, GISS and NCDC get most of their raw data from NOAA's GHCN. [50] [1255298593.txt] Serious irregularities and questionable adjustments are starting to surface with the source GHCN data itself. [50] [60] [62] [67] [72] [77] [114] [132] [168] [171] "The number of actual weather observation points used as a starting point for world average temperatures has been reduced from about 6,000 in the 1970s to about 1,500 in the most recent years [in the NCDC data].... [A]nd in the final NASA/GIStemp data file, it drops to about 1,000," most below 60 degrees latitude, where temperatures are naturally warmer. [168:1] And so, like the Three Musketeers, the CRU, GISS and NOAA temperature records stand or fall together.

Data fudging and secrecy aside, by 1998, Earth had stopped warming and begun cooling, despite record levels of CO2 (large blue event box with a bomb icon). This divergence between AGW theory and reality grew so enormous that by October 12, 2009, Kevin Trenberth, in a fit of frustration, e-mailed his colleagues: "Where the heck is global warming?" "The fact is that we can't account for the lack of warming at the moment and it is a travesty that we can't." The reason he gave for their inability to account for cooling was that "[T]he data are surely wrong. Our observing system is inadequate." In other words, the findings indicating cooling were wrong, but the climate models, predicting warming, were correct. This, arguably, is the key revelation of ClimateGate. It makes self-evident that blind faith and bankrupt logic are now masquerading as rational science. No matter how much techno-babble is used to make today's climate models sound impressive, they have all proved wrong. The hockey team scientists admit they have no clue why this is so, though other scientists do (see "Climate Corrections" [92]).

These problems would have been publicized years ago if the AGW theorists didn't have powerful allies: policy makers in virtually every professional scientific body, editors of virtually every major scientific journal, and reporters and editors at virtually all mainstream media outlets. Few provided unbiased, impartial forums where alternate views and evidence were aired and debated. Instead, most took official positions, invariably with an air of authority, and spared no effort to ensure that voices against the artificial consensus were quashed by editorial fiat and a persistent campaign of vilification, intimidation, and ridicule.

Twenty-first Century science has borrowed a page from the medieval Church in using fear and persecution to silence skeptics. The oppressed have become the oppressors. Given that most professional scientific bodies and peer-reviewed journals have been active accomplices in this scandal, one wonders how many other "scientific consensuses" have been similarly engineered.

#### WHO'S WHO [8,38]

(CRU) CLIMATIC RESEARCH UNIT, UNIVERSITY OF EAST ANGLIA -- ENG PHIL JONES: director; custodian of CRU temperature set; contributor to IPCC. KEITH BRIFFA: deputy director; lead author of the millennial paleoclimate section, 2007 IPCC report.

TREVOR DAVIES: former director; current pro-vice chancellor UEA; IAN "HARRY" HARRIS: researcher, programmer. MICK KELLY: fellow; leading climate scientist. TIM OSBORN: academic fellow; specialist in climate modeling.

MET OFFICE HADLEY CENTRE FOR CLIMATE CHANGE -- ENG CHRIS FOLLAND: research fellow; former head Met Office Hadley Centre Climate Variability and Forecasting Group; IPCC author and editor.

(TCCCR) TYNDALL CENTRE FOR CLIMATE CHANGE RESEARCH -- ENG MIKE HULME: director; fellow, professor of climate science: UEA. TIM MITCHELL: present 1997-2004; PhD: 2001: UEA (supervised by Mike Hulme) [115]; possibly software author "Harry" (of HARRY READ ME.TXT) was analyzing.

(NASA GISS) NATIONAL AERONAUTICS AND SPACE ADMINISTRATION: GODDARD INSTITUTE FOR SPACE STUDIES, COLUMBIA UNIVERSITY -- USA JAMES HANSEN: director.

GAVIN SCHMIDT: climatologist; modeler; co-founder of realclimate.org. (NOAA NCDC) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION:

THOMAS KARL: director. EUGENE WAHL: physical scientist: paleoclimatology. [104]

NATIONAL CLIMATIC DATA CENTER -- USA

and 2007 IPCC reports. [102]

(NCAR) NATIONAL CENTER FOR ATMOSPHERIC RESEARCH -- USA KEVIN TRENBERTH: head of climate analysis section; lead author of the 1995, 2001,

CASPAR AMMANN: scientist: climate and global dynamics; co-founder realclimate.org. (PSU) PENNSYLVANIA STATE UNIVERSITY -- USA

MICHAEL E. MANN: director Earth System Science Center; lead author of the hockey stick graph; co-founder of realclimate.org.

(UCAR) UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH - USA TOM WIGLEY: senior scientist; former director and current visiting fellow: CRU.

Observed temperature (5-year running mean)

(90°N-23.6°N)

Low latitudes

(23.6°N-23.6°8)

(23.6°S-90°S)

(note scale

1880 1900 1920 1940 1960 1980

Hansen et al, Science Aug, 1981 (trend lines added)

NEW YORK TIMES: COOLING

March 9, 1980: "Scientists are reviving the

chilling of the world's climate." [2]

controversial notion that millions of cubic miles of

Antarctic ice can sometimes abruptly slip off the

continent into the sea, resulting in extreme increases

Jul 1980

in global ocean levels and precipitating a dramatic

-0.2

0.2

-0.2

Oct 1980

0.2

ပ္ထိ -0.2

₽ -0.4

-0.2

RASMUS E. BENESTAD: senior scientist: Norwegian Meteorological Institute; co-founder of realclimate.org. [102]

RAYMOND BRADLEY: director: Climate System Research Center, University of Massachusetts (USA); co-author of the hockey stick

TIMOTHY CARTER: senior researcher: Finnish Environment Institute; lead author of the 1995, 2001, and 2007 IPCC reports. [99] WILLIAM CONNOLLEY: former climate modeler [102]; co-founder of realclimate.org.

EDWARD R. COOK: director of Lamont-Doherty Earth Observatory Tree-Ring Laboratory (USA).

GRANT FOSTER: chief scientist: Island Data Corporation (USA). MALCOLM HUGHES: professor of dendrochronology: University of Arizona (USA); co-author of the hockey stick graph. EYSTEIN JANSEN: research director: Bjerknes Centre for Climate Research (NO); coordinating lead author of the paleoclimate chapter, 2007 IPCC report. [101]

STEVEN MCINTYRE: mathematician and mining expert; founder of climateaudit.org. [164]

ROSS MCKITRICK: professor of economics: University of Guelph

IONATHAN OVERPECK: director: Institute for the Study of Planet Earth, University of Arizona (USA); coordinating lead author of the paleoclimate chapter, 2007 IPCC report.

NEIL PLUMMER: climatologist: National Climate Centre Bureau of Meterology (AU).

STEFAN RAHMSTORF: professor of [oceanic] physics: University of Potsdam (DE); co-founder of realclimate.org. [105] JIM SALINGER: climate change scientist; lead author of the 2007

IPCC report. [106]

BENJAMIN SANTER: statistician: Lawrence Livermore National Laboratory (USA).

STEPHEN SCHNEIDER: professior of environmental biologyand global change: Standord University (USA); contributor to all four IPCC Assessment Reports. [167]

RICHARD SOMERVILLE: professor emeritus, research professor: Scripps Institution of Oceanography (USA); coordinating lead author of the 2007 IPCC report. [100]

ERIC J. STEIG: director of Quaternary Research Center: University of Washington (USA); co-founder of realclimate.org. [103]

#### JAMES HANSEN HAS A GOOD YEAR

JAMES HANSEN becomes Director of NASA Goddard Institute for Space Studies, a position he still holds, and shortly thereafter publishes GISS' first global temperature analysis, "Climate Impact of Increasing Atmospheric Carbon Dioxide," in the journal Science. The basic temperature analysis scheme published and used by GISS was defined by HANSEN in the late 1970s. [18] The GISS global temperature record is one of 4 global temperature records now used by the IPCC, the primary being the CRU record. However, both obtain most of their raw data from NOAA's GHCN dataset. [50]

HANSEN provides his upcoming paper to the New York Times, which runs a front page story about alleged man-made global warming on August 22, 1981. [5] [152] 1981 is HANSEN'S turning point: It is the year he assumes the directorship of NASA

GISS, defines a new influential global temperature record model (of which he is custodian) based on his own work, and becomes a front page celebrity.

### 1981

According to a graph (shown) in HANSEN'S 1981 paper "Climate Impact of Increasing Atmospheric Carbon Dioxide," Earth: a) Warmed from 1880 to 1940 (60 years), before any significant man-made

b) Cooled from 1940 to 1980 (40 years), despite the greatest increase in man-made emissions of CO2 up to that date, due to the post war

Regardless of a previous warming trend of 60 years, and being 40 years

into a cooling trend, it was decided at the July, 1979 conference that the Earth was again undergoing warming, and that CO2 was to blame. How? How could HANSEN have predicted a warming trend at this time, the late 1970s, when his own data didn't show it? Only years later, once a

seeming trend had set in, was it declared that Earth was in a warming period. Was this a coincidence? Was HANSEN lucky? Are we to believe that "simple climate model[s]" [133] constructed 30 years ago let Hansen et al accurately predict global warming and attribute it to CO2, when these, and later, more sophisticated models run on powerful super-computers, all failed to predict the global cooling that has been happening for more than a decade now (despite ever-higher levels of atmospheric CO2)?

Or is it as Syun-Ichi Akasofu, former director of the world-leading International Arctic Research Center at the University of Alaska, and author of over 500 articles, explained in September 2007: "[N]o supercomputer, no matter how powerful, is able to prove definitively a simplistic hypothesis that says the greenhouse effect is responsible for warming." [92]

In fact, after 12 years of cooling, one hockey stick researcher flatly states today that it is a "travesty" models cannot account for the cooling (see {TRENBERTH 12.Oct.2009}). If these models cannot explain the cooling, it stands to reason they cannot explain the warming, because unknown factors changing the climate are overwhelming the known.

Yet, while only a handful of scientists agreed with the 1979 conference conclusions or HANSEN'S 1981 position, the news media ignored all other points of view, and championed Hansen's CO2 induced warming, giving him front-page billing. Why?

Jul 1981

Oct 1985

Apr 1988

Jan 1981

**NEW YORK TIMES: WARMING FROM CO2** One year after headlining cooling, the New York

> terms of the CO2-induced global warming debate: "[By] the time we were certain that a carbon dioxide induced climate change was

## Times flip-flops, and in an op-ed piece sets the

occurring, it would be too late to prevent it." [6]

Apr 1981

DESPITE COOLING SINCE 1940, AND NO CONSENSUS ON

Apr 1980

### BERT BOLIN (LATER THE 1ST IPCC CHAIRMAN) SUGGESTS ON BBC'S "THE WEATHER MACHINE" THAT CO2 MIGHT CAUSE GLOBAL WARMING

Jan 1940

ANOTHER ICE AGE?

century." [3]

TIME MAGAZINE (June 24, 1974): "Climatological

for the weather aberrations they are studying may

NEW YORK TIMES (May 21, 1975): "Scientists

ponder why world's climate is changing: Major

cooling widely considered to be inevitable." [2]

NEWSWEEK (April 28, 1975): The Cooling World

- "[A]lmost unanimous in the view that the trend will

reduce agricultural productivity for the rest of the

INTERNATIONAL WILDLIFE (July 1975): "[T]he threat of a new ice age must now stand alongside

nuclear war as a likely source of wholesale death and misery for mankind." -- Nigel Calder [150] See [135] for media coverage of warming and

cooling spanning 114 years.

be the harbinger of another ice age." [1]

Cassandras are becoming increasingly apprehensive,

Niger Calder, editor of New Scientist magazine and "the man responsible" for the BBC 1974 series "The Weather Machine," explains: "We were also the first to put Bert Bolin of Sweden on international television talking about the dangers of carbon dioxide, and I remember being bitterly criticized by top experts for indulging him in his fantasy.... [In the 1980s, Margaret Thatcher] said to the scientists, she went to the Royal Society, and she said: 'There's money on the table for you to prove this stuff [i.e. CO2 induced warming], because she was in favor of nuclear power for many reasons]. So, of course they went away and did that." [140]

BOLIN ON THE BBC: "And there is a lot of oil, and there are vast amounts of coal left. We

seem to be burning it at an ever increasing rate. And if we go on doing this, in about 50 years time, the climate may be a few degrees warmer than today. We just don't know." [139]

REVEALS NO CLEAR OUTLOOK HANSEN, Wang, et al publish made Perturbations of Trace Gases" in the journal Science, and state: "Anthropogenic gases may alter our climate by plugging an atmospheric window for escaping radiation." [11]

CLIMATOLOGIST SURVEY

Jan 1976

Jan 1978

1940 - 1980

**GLOBAL COOLING DESPITE THE** 

**GREATEST MAN-MADE CO2 EMISSIONS** 

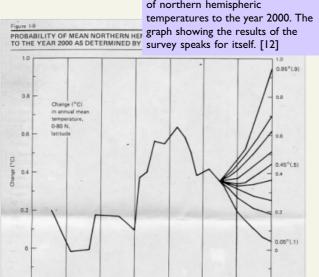
**DURING THE POST WAR ECONOMIC BOOM** 

(AS IT APPEARED IN 1980 DATA)

Jan 1974

University publishes a report "Climate Change to the Year 2000," sponsored jointly by the NDU, the Department of Agriculture, and NOAA, surveying 24 climatologists from 7 countries on their estimates of northern hemispheric

In 1976, the National Defense



FUTURE TEMPERATURE TRENDS, A NUMBER OF CONFERENCES ON HOW CO2 SUPPOSEDLY IMPACTS CLIMATE ARE HELD BETWEEN 1978 AND 1980

(including JOINES, VVIGLET, and HAINSEIN) attend these conferences in the days prior to the IPCC. The same individuals are now major players in the IPCC itself. [13] FEBRUARY 21, 1978: "Carbon Dioxide, Climate and Society," a

Many of the individuals directly involved in the ClimateGate e-mails

workshop sponsored by WMO, UNEP and SCOPE. [10:1] FEBRUARY 12, 1979: First World Climate Conference

organized by the World Meteorological Organization calls "on all nations to unite in efforts to understand climate change and to plan for it," but does "not call for action to prevent future climate change." [5] MARCH 7, 1979: A Miami Beach workshop on the global effects

of carbon dioxide from fossil fuels is conducted by the U.S. Department of Energy. [10:1]

JULY 23, 1979: A study group convened by the National Academy of Sciences to "assess the scientific basis for projection of possible future climatic changes resulting from man-made release of carbon dioxide into the atmosphere" meets in response to a request by the Director of Office of Science and Technology. HANSEN and A. Gilchirst (of the UK Meteorological office) are contributing scientists.

Despite acknowledging significant gaps in knowledge, and omitting "the role of the biosphere in the carbon cycle" from their deliberations, the group's conclusion, assuming a doubling of CO2 by 2050, is that "warming will eventually occur." [10:2]

NOVEMBER, 1980: "[A conference] in Villach, Austria, in 1980 organised jointly by the United Nations Environment Programme (UNEP), World Meteorological Organisation (WMO) and the International Council for Science (ICSU) also concluded that the potential threats were sufficient to warrant an international programme of co-operation in research but that, due to scientific uncertainties, the development of a management plan for CO2 would be premature." [5]

#### GLOBAL WARMING MAKES THE FRONT PAGE Global warming makes the front page after HANSEN

provides a New York Times reporter with a preview copy of his paper "Climate Impact of Increasing Atmospheric Carbon Dioxide" to be published in the journal Science [4], in which he makes dramatic predictions about CO2 greenhouse effects [7]. "Many scientists were critical of the approach taken

by HANSEN and others for damaging the integrity of science. According to [Spencer] Weart, 'respected scientists publicly rebuked Hansen, saying he had gone far beyond what scientific evidence justified." [5]

#### THE IPCC IS CONCEIVED A second conference in Villach, critical to placing the climate change issue firmly on the

international political agenda and the subsequent establishment of the IPCC, concludes that the need for government action is more urgent than previously thought. According to a joint statement of the three organizing bodies: "As a result of the increasing concentrations of greenhouse gases, it is now believed that in the first half of the next century a rise of global mean temperature could occur which is greater than any in man's history."

"[Wendy E.] Franz points out that these conclusions were far bolder than any that had gone before, and stood in stark contrast to the conclusion of a US National Research Council report, published just two years earlier in 1983, which 'advocated "caution not panic", and weighed in against the development of policies to limit CO2 emissions." [5] According to John McLean, citing Franz's paper "The Development of an International Agenda

for Climate Change," [170] "[T]his time the 100 attendees participated as individuals rather than representatives of their countries, and they were selected by the three sponsoring agencies.

"These agencies pressured the attendees for policy recommendations with the UNEP representative asking for a recommendation about moving away from fossil fuels, the WMO asking for clear statements about the state of knowledge and for advice to policy makers and the ICSU asking for 'necessary policies at the national and international level. That one sponsoring organization was already asking for a movement away from fossil fuel and another asking for certain 'necessary' policies shows that they had decided on the conclusion even before the conference began. But these were not the only ones. Franz says that the chairman, James Bruce, told the participants to 'develop a consensus statement on the present state of our scientific knowledge of increases in CO2 and other radiatively active gases, and the physical and socio-economic impacts, and to develop sound recommendations for action by countries and by international agencies, based on this scientific consensus." [130]

Authors of CRU e-mails, including JONES and WIGLEY, attended this conference. [13]

#### Jun 1988 WMO AND UNEP ESTABLISH THE INTERGOVERNMENTAL PANEL ON **CLIMATE CHANGE (IPCC).**

**INTRIGUE** 

INTERFERENCE WITH PEER REVIEW PROCESS TO SUPPRESS RESEARCH EOPARDIZING THE "CONSENSUS" ABOUT AGW (ANTHROPOGENIC , WARMING OR MAN-MADE GLOBAL WARMING)

#### WORDS TO PONDER

"[T]o capture the public's imagination ... we have to offer up some scary scenarios, make simplified dramatic statements and little mention of any doubts one might have.... Each of us has to decide the right balance between being effective, and being honest." -- STEPHEN SCHNEIDER (1989), contributor to all four IPCC reports. [88]

"Isn't the only hope for the planet that the industrialized civilizations collapse? Isn't it our responsibility to bring that about?" -- MAURICE STRONG (1990), founder of the UN Environment Program [91]

"'The [observed] data don't matter' ... 'The data don't matter' ... 'Besides, we're not basing our recommendations [for immediate reductions in CO2 emissions] based upon the data; we're basing them upon computer models." -- CHRIS FOLLAND (1991) of the UK Met Office. [162]

of the IPCC WGI. [89] "If you put tomfoolery into a computer, nothing comes out of it but tomfoolery. But this tomfoolery, having passed through a very expensive machine, is somehow ennobled and no one dares criticise

"Unless we announce disasters no one will listen." -- JOHN HOUGHTON (1994), first co-chair

it." -- PIERRE GALLOIS [163] "There is no opinion, however absurd, which men will not readily embrace as soon as they can be brought to the conviction that it is generally adopted." -- ARTHUR SCHOPENHAUER [163] "Nothing is more obstinate than a fashionable consensus." -- MARGARET THATCHER [163]

## 2 DECEPTION

MANIPULATION OF SCIENTIFIC DATA AND PUBLIC INFORMATION T STRENGTHEN THE CASE FOR AGW AND SUPPRESS CONTRARY EVID

## THE WANG AFFAIR AND JONES' URBAN HEAT ISLAND EFFECT PAPER [48]

JONES is the lead author of a September, 1990 paper that concludes there is no relevant urba localized temperature increase) in and around urban centers. [46]. However, 3 months later, Wang publishes another paper using the very same Eastern China data, concluding that there and temperature studies must this take into account to avoid skewing results in favor of warr {WIGLEY II.Nov.09}.)

Aside from producing contradictory conclusions, the data set used by the authors poses othe stations from which it allegedly derives were chosen because of a supposed history of "few, if instrumentation, location or observation times." [48]

In February, 2007, mathematician Doug Keenan learns that data are available for only 35 of th least half have undergone substantial moves." [48] Keenan asks JONES about the source of location other 49 stations. JONES replies that Wang "selected the stations ... based on his 'extensive knowle Keenan writes to Wang, who replies that Zhao-Mei Zeng (a co-author of [47]) has "hard copie However, the authors, including Zeng, of a U.S. Department of Energy and Chinese Academy station moves note that the copies to which Wang referred were "not currently available." [49]

Later in 2007 Keenan publishes "The Fraud Allegation Against Some Climatic Research of W

out the matter, but despite an investigation by the University at Albany (where Wang is empl station histories" are never produced. Neither are the results of the university's investigation. In that though JONES may not have known about the fraud in 1990, in 2001 he co-authored a st meteorological stations in China (at Beijing and at Shanghai). This study correctly describes how the sta relocations, and it concludes that those relocations substantially affected the measured temperatures-in claims of Wang. Thus, by 2001, Jones must have known that the claims of Wang were no "The [1990 JONES et al] paper has been the major evidence presented by JONES in c

dismiss the influence of urban change on the temperature measurements, and also has for the failure to mention most of the unequivocal evidence that such urban effects exi dragged out again for the 2007 IPCC report." [39] In fact, determining the UHI is not comp out the UHI in climatic temperature records - so easy a 6th grader can do it!" [61]. See also [

On August 31, 2007 WIGLEY e-mails JONES that Keenan is correct: "Seems to me that Kee The statements in the papers that he quotes seem to be incorrect statements, and that very least) must have known at the time that they were incorrect." [1188557698.txt] [12-

## 3 SECRECY

REFUSAL TO DISCLOSE DATA AND SCIENTIFIC METHODOLOGIES, EV DOING SO VIOLATES FREEDOM OF INFORMATION LAWS

US GLOBAL CHANGE RESEARCH PROGRAM ESTABLISHED WITH AN INITIAL BUDGET OF \$140 MILLION. (TODAY, \$2 BILLION IS SPENT ANNUALLY ON US CLIMATE RESEARCH)

"The Program is broad in scope, encompassing the full range of earth system changes, including climatic, volcanic, seismic, ecological, and biological changes ... [and] addresses both natural phenomena and the effects of human activity. Global warming, an issue that has received much public attention this past year, is an important element of this Program." "However, global warming has occurred in pre-industrial eras. The potential for future global warming, and the relative contributions of natural processes and human influences are still poorly known." "In FY 1989, funding for focused global

Today research funding exceeds \$2 billion annually, as compared to \$23 million by Exxon over 10 years (just \$2 million per year). "In total, over the last 20 years, by the end of fiscal year 2009, the US government will have poured in \$32 billion for climate research—and another \$36 billion for development of climate-related technologies." [131:1] (See also [142].)

change research activities totals \$133.9 million." [131:2]

UK MET OFFICE ESTABLISHES HADLEY CENTRE FOR CLIMATE

John Houghton, Director General of the UK's Met Office and chair of the IPCC Working Group I, is "instrumental in [establishing] the Met Office's offshoot the Hadley Centre for Climate Prediction." [130]

"The Hadley Centre has a very close relationship with the IPCC on several

fronts. In conjunction with the Climatic Research Unit (CRU) of the University of East Anglia the Hadley Centre supplies the IPCC with a key temperature dataset ... Hadley Centre has also provided climate modelling for most, if not all of the IPCC's report ... The pivotal chapter of the 2007 [IPCC] report, the chapter in which human activity was blamed for warming, had 53 authors of whom 10 were from the Hadley Centre. At one stage the IPCC even had offices in the Hadley Centre building." [130]

> Jan 1989 Jul 1989 Apr 1989

#### WMO AND UNEP ESTABLISH THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE (IPCC)

Oct 1988

"Bert Bolin, the first chairman of the IPCC was already heavily committed to the notion of manmade warming, having worked previously for the UNEP, WMO, the Brundtland Report, the SCOPE 29 report (on which the first IPCC report was largely based) and, very crucially, having documented that the Villach a consensus that manmade emissions of carbon dioxide were to blame for variations in climate. [130]

"John Houghton, of the UK's Met Office and seemingly as much a believer in manmade warming as Bolin, [was] appointed to chair IPCC Working Group I, whose role was to look for evidence of climate change and attribute causes (as if that blame hadn't been predetermined." [130]

## HANSEN: STOP WAFFLING; OTHER SCIENTISTS REBUKE HANSEN

"The present hysteria formally began in the summer of 1988, although preparations had been put in place at least three years earlier.... James Hansen, director of the Goddard Institute for Space Studies, in testimony before Sen. Al Gore's Committee on Science, Technology and Space, said, in effect, that he was 99 percent certain that temperature had increased and that there was some greenhouse warming. He made no statement concerning the relation between the two." [151] Afterwards, HANSEN tells journalists that it is time to "stop waffling, and say that the evidence is pretty strong that the greenhouse effect is here." [4] [5]

The media leap onto CO2 induced global warming, and the number of American newspaper articles about it rise tenfold in just one year. [4]

"The interest Hansen generated in the media was also well-timed with regard to a major conference held in Toronto at the end of June 1988 [the World Conference on the Changing Atmosphere] organised by scientists involved with the Villach and Bellagio workshops of 1987. This conference brought together 341 delegates, including 20 politicians and ambassadors, 118 policy and legal advisers and senior government officials, 73 physical scientists, 50 industry representatives and energy specialists, 30 social scientists and 50 environmental activists from 46 countries." [5] According to Franz, the conference's challenge to reduce CO2 emissions by about 20 percent of 1988 levels by 2004 had minimal scientific support. [5]

"Many scientists were critical of the approach taken by Hansen and others for damaging the integrity of science. According to [climate historian Spencer] Weart, 'respected scientists publicly rebuked Hansen, saying he had gone far beyond what scientific evidence justified." [5] See also [151].

VERSION 1.1 / 21.JAN.2010 Unless noted, emphasis has been added. UPDATES AND PRINTABLE FORMATS AVAILABLE FROM: http://joannenova.com.au/global-warming/climategate-30-year-timeline/ © 2010 Mohib Ebrahim / timelines [at] sent.com

systematically elimi stations with a clear higher latitude, high all of which had a to 6,000 stations it] dropp [171] "Average temper jumped when the statio suggesting that it was m no longer in the record. "Smith says after aw

75% OF WORLD TE

DISAPPEAR FROM N

**REMAINING STATIC** 

In January, 2010, TV s

meteorologist Joseph

global surface station be

by major station dropou

analysis of NOAA's

found patterns of deleti Thermometers moved f beaches; from Siberian and from pristine rural last remaining Arctic th called "The Garden Spo away from the cold and believe it was so bla it was in support of (Also see [172].)

was not a random

finding, but a well o

manipulation proce

THIRD WORLD EG ON THE AGENDA At the third IPCC s Bolin (Chair IPCC issue is "undoubted be required from d [130]

FIRST IPCC ASSESS

Lead authors and o senior staff from th The temperature gr report. This graph v Director [125], and

years ago and the L David Evans explain Warming Is Not Ma Both the MWP and problems for the C the hockey team ne MANN'S 1999 hock {MEDIEVAL WARM

As a result, the IPC with MANN'S now {MCINTYRE AND

MWP and LIA, and twentieth century, temperatures had p



GREENPEACE CO-FOUNDER: TRUTH DOESN'T MATTER; ONLY WHAT PEOPLE BELIEVE

PAUL WATSON (founder of Greenpeace): "It doesn't matter what is true, it only matters what people believe is true.... You are what the media define you to be. [Greenpeace] became a myth, and a myth-generating machine." [90] [135]

AL GORE'S CONSENSUS?

**AL GORE:** "Only an insignificant fraction of scientists deny the global warming crisis. The time for debate is over. The science is settled." [80]

GALLUP POLL: 83% of scientists actively involved in global climate research did not believe global warming had occurred or weren't sure (53% and 30% respectively). Only "17% thought global warming had begun." [80]

GREENPEACE POLL: "47% of climatologists didn't think a runaway greenhouse effect was imminent; only 36% thought it possible and a mere 13% thought it probable." [80] Also see {CRICHTON 17.Jan.2003}.

WALL STREET JOURNAL, "A MAJOR DECEPTION OF GLOBAL WARMING," BY FREDERICK SEITZ

"This IPCC report, like all others, is held in such high regard largely because it has been peerreviewed. That is, it has been read, discussed, modified, and approved by an international body of experts. These scientists have laid their reputations on the line. But, this report is not what it appears to be – it is not the version that was approved by the contributing scientists listed on the title page. In my more than 60 years as a member of the American scientific community, including service as president of both the National Academy of Sciences and the American Physical Society, I have never witnessed a more disturbing corruption of the peer-review process than the events that led to this IPCC report....

"The following passages are examples of those included in the report as approved by the scientists but deleted from the supposedly peer-reviewed published version:

'None of the studies cited above has shown clear evidence that we can attribute the observed [climate] changes to the specific cause of increases in greenhouse gases.

- 'No study to date has positively attributed all or part [of the climate change observed to date] to anthropogenic [man-made] causes." [15]

"A leading article in Nature (June 13 [1996]), while dismissive of IPCC critics, had to admit that 'phrases that might have been (mis)interpreted as undermining ... [IPCC] conclusions ... "disappeared" in the revision process." [14]

"[Dr. Benjamin] Santer was lead author of Chapter 8 for the 1995 IPCC Report and involved in [this] major controversy. He altered contents of the Chapter so it agreed with the Summary for Policymakers (SPM) without consent of other authors." [13] "Santer... has always taken full responsibility for making the actual changes, although he has not been forthcoming in revealing who instructed him to make such revisions and who approved them after they were made. He has, however, told others privately that he was asked [prevailed upon?] to do so by IPCC co-chairman John Houghton. ... [A] November 15 letter from the State

Department ... [instructed] Dr. Houghton to 'prevail upon' chapter authors 'to modify their texts

in an appropriate manner following discussion in Madrid." [14] DECEMBER 12, 2009: UPDATE ON THE IPCC'S "PEER REVIEW" PROCESS

LORD CHRISTOPHER MONCKTON, REPORTING FROM THE COPENHAGEN IPCC CONFERENCE: "[IPCC Chairman Rajendra] Pachauri asked us to believe that the IPCC's documents were 'peer-reviewed'. Then he revealed the truth by saying that it was the authors of the IPCC's climate assessments who decided whether the reviewers' comments were acceptable. That -- whatever else it is -- is not peer review." [76]

SAVE TIME -- JUST MAKE UP THE

GEOFF JENKINS (UK MET OFFICE) TO

early release of information (via Oz),

JONES: "Remember all the fun we had last

year over 1995 global temperatures, with

'inventing' the December monthly value,

letters to Nature etc etc? I think we should

have a cunning plan about what to do this

year, simply to avoid a lot of wasted time....

[Executive Director of UNEP] (who has had

treatment) so that he can write an article for the silly

"We feed this selectively to Nick Nuttall

this in the past and seems now to expect special

season. We could also give this to Neville Nicholls

[IPCC lead author and Australian Met Bureau

**TEMPERATURES** 

MANN COMES ON BOARD: "I LIKE THE IDEA. INCLUDE ME IN"

From "Climategate Part I - A 2,000-page epic of science and skepticism": "What really rocked the paleoclimate work at CRU, and ultimately shook the IPCC, was a seemingly out-of-the-blue email [0898099393.txt] on June 17, 1998, from Michael Mann to Phil Jones, then head of East Anglia's CRU centre. Before then, no mention had been made in the email cache of Michael Mann...

Dear Phil, Of course I'll be happy to be on board. I think the opportunity for some direct collaboration between us (me, and you/tim/keith) is ripe, and the plan to compare and contrast different approaches and data and synthesize the different results is a good one. Though sidetracked by other projects recently, I remain committed to doing this with you guys, and to explore applications to synthetic datasets with manufactured biases/etc remains high priority. It sounds like it would all fit into the proposal you mention. There may be some overlap w/proposals we will eventually submit to NSF (renewal of our present funding), etc. by I don't see a problem with that in the least.

Once the collaboration is officially in place, I think that sharing of codes, data, etc. should not be a problem. I would be happy to make mine available, though can't promise its the most user friendly thing in the world.

In short, I like the idea. Include me in, and let me know what you [n]eed from me (cv, etc.).

"Exactly what those words mean is hard to know. It must be science talk. What is certain from the Climategate emails is that world climate science, and the Climategate emails, would never be the same thereafter. Mr. Mann [who had just published his infamous paper [see {MANN 1998}] quickly rose to be the dominant figure in the paleoclimate effort.... The core of that paper was a graphic that would come to be known as the graphic "hockey stick" presentation of the temperature over the past centuries.

"With Mr. Mann on board, everybody else seemed to go overboard. In the emails, he soon elbowed out Keith Briffa as the prime tree-ring guru. The Mann hockey stick, and the science work behind it, would end up consuming thousands of email hours over the next decade." [124:1]

Apr 19, 1999

BRADLEY: NO CONSENSUS EVEN AT CRU, AND WE ARE NOT GATEKEEPERS

BRADLEY is so offended by some comments of MANN that he titles this e-mail "CENSORED!!!!!". He also makes clear that there is no consensus even among UEA/CRU scientists, and doesn't like the "gatekeeper" role many have assumed.

BRADLEY: "I would like to diasassociate myself from Mike Mann's view that 'xxxxxxxxxxx' and that they 'xxxxxxxxxxxxxx'. I find this notion quite absurd. I have worked with the UEA group for 20+ years and have great respect for them and for their work. Of course, I don't agree with everything they write, and we often have long (but cordial) arguments about what they think versus my views, but that is life. **Indeed, I** know that they have broad disagreements among themselves, so to refer to them as 'the UEA group', as though they all march in

lock-step seems bizarre. "As for thinking that it is 'Better that nothing appear, than something unnacceptable to us'.....as though we are the gatekeepers of all that is acceptable in the world of paleoclimatology

seems amazingly arrogant." [0924532891.txt]

Sep 1, 1999 - Sep 22, 1999

MANN WAN MANN to JO others: "I trust us all proper ci

doing here." [0

May 6, 1999

MANN: I HAVE LESS CONFIDENCE IN M DATA THAN SOME

MANN: "I should poin Chris, through no fault probably through ME my thoughts very clear others, definitely ove singular confidence my own [Mann et [0938018124.txt]

BRIFFA: JUST AS WARM 1000 YEARS A

BRIFFA: "I believe that the recent warmth v matched about 1000 years ago." [0938018

MANN: IPCC DOESN'T WANT TO UNDERMINE CONSENS

SEPTEMBER 1-3, 1999: IPCC Arusha meeting to consider

SEPTEMBER 22, 1999: MANN, JONES, BRIFFA and

FOLLAND (copy to KARL) discuss "IPCC Revisions."

"No minutes of this meeting are available, but Climategate

MCINTYRE'S "IPCC AND THE 'TRICK":

favourite." [FOLLAND, 0938018124.txt]

thousand years or more."

"zero-order draft" of TAR (MANN in attendance). [0929985154.1

correspondence on Sep 22-23 [0938018124.txt], 1999 provides som

contemporary information about the meeting." "[The] IPCC was already

structuring the Summary for Policy-makers, and a proxy diagram

showing temperature history over the past 1000 years was a 'clear

"[A] version of the proxy diagram was presented at the Tanzania

that the late 20th century decline in the Briffa reconstruction was

perceived by IPCC as 'diluting the message', that 'everyone in the roo

IPCC' thought that the Briffa decline was a 'problem' and a 'potentia

distraction/detraction', that this was then the 'most important issue' in

chapter 2 of the IPCC report and that there was 'pressure' on Briffa

other authors to show a 'nice tidy story' of 'unprecedented warming in

"By this time, it appears [from the e-mails] that each of the three [IP0

authors (Jones, Mann and Briffa) had experimented with different

approaches to the 'problem' of the decline...." "[One] approach is

appear to show efforts to 'correct' the calibration of the Briffa

perhaps evidenced in programming changes a week earlier (Sep 13

1999), in which programs in the osborn-tree6/mann/oldprog director

reconstruction, which may or may not be relevant to the eventual

methodology to 'hide the decline'" (used by the IPCC, which is

weeks later in {JONES 16.Nov.1999}, as explained in [54]).

"The final IPCC diagram (2.21) is shown ... [{IPCC 2001}] In this

rendering, the Briffa reconstruction is obviously no longer 'a problem

a potential distraction/detraction and does not "dilute the message".

have a 'field day' with the decline." [54] [The main fiddle was to

simply delete the offending data (see {HOW TO HIDE

Mann has not given any 'fodder' to the skeptics, who obviously did no

wording similar, but not identical, to that used by JONES two

meeting showing the late twentieth century decline...." "The emails sho

an heat island effect ( i.e., his co-author Wei-Chyung is a significant UHI effect

ning. [47] (Also see r problems. The 84

any, changes in

e stations, and of those, "at ion information of the dge of those networks." [48] es of station histories.' of Sciences study detailing

ei-Chyung Wang," setting oyed), the "hardcopies of n his paper, Keenan notes udy that "considered two ations had undergone n direct contradiction to the t wholly true." [49]

illof the IPCC reports to been used as an excuse st. The paper was even licated at all. (See "Picking

someone ([Wang] at the 41415427.txt]

NS HAVE WARM BIAS

tations KUSI of San Diego and GHCN found they nated 75% of the world's r bias towards removing ns dropped out [see graph], nainly the colder stations that were

trange pattern he was lesigned and orchestrated rom cold mountains to warm

enan has a valid boint.

N WHEN

MPERATURE STATIONS IOAA'S GHCN DATA;

D'Aleo break the news: "[T]he ased data is seriously compromise rt." "Programmer E.M. Smith's altitude and rural locations, endency to be cooler." "[From ed rapidly to 1500 around 1990." atures for the station categories

" [173:1] hile [sic], it became clear this ss. 'The more I looked, the more I on that could not be accidental. Arctic to more southerly locations locations to jet airport tarmacs. The ermometer in Canada is in a place t of the Arctic," always moving

toward the heat. I could not

tant and it clearly looked like

an agenda,' Smith says." [168:1]

1950

1960

Oct 1991

MEDIEVAL WARM PERIOD: "WE HAVE TO GET RID OF IT"

A major problem for the Anthropogenic (i.e., Man-made) Global Warming theory is the Medieval Warm Period of a thousand years ago. The MWP was a time when global temperatures were much warmer than today's. Indeed "more than 700 scientists from 400 institutions in 40 countries have contributed to peer-reviewed papers providing evidence that the Medieval Warm Period, which the IPCC has tried to deny, was real, global, and warmer than the present." [94] (Also see [63] and graphs [top 26, middle 36, bottom 64].) During the MWP, Chaucer spoke of vineyards in northern England [128] [129]. "All over the

city of London there are little memories of the vineyards that grew in the [MWP]." [137] "An agronomist at Virginia Tech suggests that if you are planning to start a vineyard, the roots of the vines cannot be exposed to temperatures below 25°F or the vine will die. Even though there were no thermometers at the time of Eric the Red, this gives us a benchmark for reference. In fact, the Smithsonian reports that there is evidence which supports the theory that the Viking colonies later collapsed as a result of a dramatically cooling climate." [78] (To learn more, see "On the Vikings and Greenland" [86].) Clearly these high MWP temperatures could not have been due to man-made CO2. [25] In general, warm periods have coincided with human prosperity and progress, while cool periods have coincided with suffering, disease, and famine. [70] Following the MWP was the Little Ice Age: a time when the River Thames froze (evidenced

in paintings and in social events held on the river [136]). The LIA proves Earth has been steadily warming for centuries (see {GLACIER FACTS 2008}), contradicting the claim that recent warming is anomalous. In addition, there was the 3,000 year Holocene Maximum of 7,000 years ago when temperatures were also significantly higher than today's. [138] [123]. Together, the HC, MWP, and LIA show that global temperatures fluctuate several degrees from natural causes with no ill-effects. However, because the Medieval Warm Period and Little Ice Age were fatal to the AGW

theory, the hockey team needed to erase them. With reference to this, David Deming, a geophysicist at the University of Oklahoma, wrote the following concerning a 1995 e-mail he received, and about which he has testified [58]: "They thought I was one of them, someone who would pervert science in the service of social and political causes. So one of them let his guard down. A major person working in the area of climate

Medieval Warm Period." [59] And this is what MANN'S 1999 hockey stick graph accomplished. [36] [127] Compare the temperature graph from the 1990 IPCC report with the one in the 2001 IPCC report (see {IPCC 1999} and {IPCC 2001}). The 2001 report used MANN'S now discredited hockey

change and global warming sent me an astonishing email that said 'We have to get rid of the

Despite MANN'S creativity, both OVERPECK and JONES remained convinced the MWP and LIA were real. In 2003 Overpeck wanted to "contain' the putative 'MWP" (see {OVERPECK 4.Jun.2003}), while in 2004, Jones contested MWP and LIA temperatures, based on feelings rather than facts:

stick graph that flattened the MWP and LIA to make it appear that modern global

temperatures were unusually high.

JONES: "[There] is no way the MWP (whenever it was) was as warm globally as the last 20 years. There is also no way a whole decade in the LIA period was more than I deg C on a global basis cooler than the 1961-90 mean. This is all gut feeling, no science..." [1098472400.txt] A warm peak in 1940 was another obstacle for AGW theorists, since it occurred before

significant man-made CO2 emissions (see {GRAPH 1981}). A programmer's notation in the CRU software (see {HOW TO HIDE 7.Sep.1998}) to "Apply a VERY ARTIFICIAL correction for decline" appears to reveal the CRU's method for erasing the problem: The recorded peak was artificially lowered, and subsequent temperatures hiked. [153]

AND TEMPERATURE

STATIONS

1980

Jan 1992

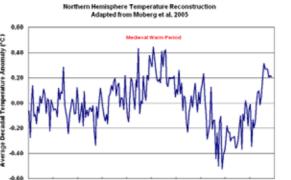
1990

2000

1970

The real shape of the last 2000 years

the world was warmer 1000 years ago and cooler 300 years ago. We started warming long before coal-powered electricity was invented. There's no correlation with CO2 levels



CARBON ECONOMICS I: CARBON TRADING FORECAST TO BE THE WORLD'S LARGEST NON-FINANCIAL COMMODITY "Carbon emissions have been traded, albeit at minor levels, in the over-the-counter (OTC) market

since the 1990s." [134] "According to the World Bank, turnover of carbon trading doubled from **\$63** billion in 2007 to \$126 billion in 2008." [131:1] "Bart Chilton, head of the energy and environmental markets advisory committee of the Commodity Futures Trading Commission ... has predicted that within five years a carbon market would dwarf any of the markets his agency currently regulates: 'I can see carbon trading being a \$2 trillion market.'

'The largest commodity market in the world.'" [131:1] "Richard L. Sandor, chairman and chief executive officer of Climate Exchange Plc, which owns the world's biggest carbon dioxide exchange in London, sees an even larger market: 'We're going to see a worldwide market, and carbon will unambiguously be the largest non-

financial commodity in the world.' He predicted trades eventually will total \$10 trillion a year. "In other words, carbon trading will be bigger than oil, and even the promise of a market that massive and lucrative represents a major vested interest. As Bart Chilton says: 'This issue is too important to our economy and to our world, and we need to get this right from the get-go.' The 'get-go' starts with the science. If there is no evidence that we need to curtail carbon, there is no need to trade it." [|3|:|]

Jul 1995

Oct 1995

Jan 1996

Tone down that 1930s Pump these warm patch numbers way...... UP esr.ibiblio.org inannenova com au 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000

SUN DETERMINED AS MAJOR CLIMATE FACTOR: RESULTS SUPPRESSED "Dr. [John] Daly uncovered an eleven-year

signal in the temperature data set from the island of Tasmania." [169] In a 1996 e-mail to the CRU, Daly explains: "The transform result shows a sharp spike at the 11 year point...." "It would appear that the [II year] solar cycle does indeed affect temperature." "I tried the same run on the [smoothed] CRU global temperature set.... [T]he | I -year pulse is still there ..." [0839635440.txt]

"In his effort to correlate the data, Dr. Wigley

concludes that the solar signal is strong enough to convince him that solar forcing is a major factor in climate change: '(4) Causes. Here, ice cores are more valuable ... But the main external candidate is solar, and more work is required to improve the "paleo" solar forcing record and to understand how the climate system responds both globally and regionally to solar forcing.' [0839858862.txt] employee]??" [0848679780.txt] What is significant about this paragraph is

that it identifies the main cause of climate change as 'solar forcing,' not carbon dioxide (CO2). This fact was also kept secret. Remarkably, this was exactly what [Willie] Soon and [Sallie] Baliunas published in ... [a] Climate Research paper [in 2003]. The solar correlation became a lightning rod. More than a dozen e-mails from the Jones Gang discuss how to discredit Soon and Baliunas." (See {II.Mar.2003 THREATEN CLIMATE RESEARCH}.) [169]

JONES: ICE CORES VERY UNRELIABLE AND TREE RINGS LESS THAN 50% RELIABLE FOR DETERMINING PAST TEMPERATURE

JONES [0839858862.txt]: "I am disturbed by how some people in the paleo community try to oversell their product.... Climate variance explained by the proxy variable--close to zero for ice core isotopes, up to 50% for tree rings, somewhere in between for most other indicators."

Also see [1142108839.txt], an 11.Mar.2006 e-

mail from Richard Alley (of Pennsylvania State University) to JONES, BRIFFA, and others, in which he summarizes the NRC's skepticism towards "the ability of proxies to detect warming above the level of a millennium ago." Alley mentions that "one of the committee members was asking each presenter whether the presenter believed that temperatures could be reconstructed for 1000 years ago within 0.5 C, and that the presenters were answering with some qualified version of 'no." He also summarizes the many problems with using tree rings for determining temperature.

HOW TO HIDE COOLING: BURY IT IN SOFTWARE "FUDGE FACTORS" (Date from BRIFFA\_SEP98\_E.PRO file's last edit.)

After 1940, Earth cooled, while atmospheric CO2 increased: the opposite of what should have happened according to AGW theory. Buried in two CRU files of software code was what the programmer described as a "fudge factor" and labeled "a VERY ARTIFICIAL correction for decline." This code is shown below

;\*\*\*\*\* APPLIES A VERY ARTIFICIAL CORRECTION FOR DECLINE\*\*\*\*\*\* Yrloc=[1400.findgen(19)\*5.+1904 Valadj=[0,0,0,0,0,0,-0.1,-0.25,-0.3,0,-0.1,0.3,0.8,1.2,1.7,2.5,2.6,2.6,2.6,2.6,2.6]\*0.75; fudge factor'

"These two lines of code establish a twenty-element array (yrloc) comprising the year 1400 (base year, but not sure why needed here) and nineteen years between 1904 and 1994 in half-decade increments. Then the corresponding 'fudge factor' (from the valadj matrix) is applied to each interval.... [N]ot only are temperatures biased to the upside later in the century (though certainly prior to 1960), but a few mid-century intervals are being biased slightly lower...." [22]

As seen in the graph [153], when the above "correction" is applied, it lowers the warm temperatures in the 1930s, and raises the cool temperatures after 1940, softening the 1940 warm peak [{GRAPH 1981}]. (See [34] [35] [22] [153] for more information.)

The 1940 "warming blip" has always been a problem. See {WIGLEY 27.Sep.09} where WIGLEY and JONES discuss how to reduce the 1940 "warming blip." This time the solution is to try to reduce warm temperatures as opposed to the above attempt to increase cool temperatures.

CRU PROGRAMMING CODE [DENSPLUS188119602NETCDF.PRO] [23]

Note these comments from the programming code specifically say that while the CRU has temperature data going back to 440 and 1070, it only uses data after 1400, that is, after the Medieval Warm Period that undermines the Anthropogenic Global Warming (or man-made global ; we know the file starts at yr 440, but we want nothing till 1400, so we

; can skill lines (1400-440)/10 + 1 header line ; we now want all lines (10 yr per line) from 1400 to 1980, which is : (1980-1400)/10 + 1 lines

; we know the file starts at yr 1070, but we want nothing till 1400, so we ; can skill lines (1400-1070)/10 + 1 header line ; we now want all lines (10 yr per line) from 1400 to 1991, which is

; (1990-1400)/10 + 1 lines (since 1991 is on line beginning 1990)

HOW TO HIDE COOLING: BURY IT IN SOFTWARE CRU PROGRAMMING CODE [CALIBRATE\_CORRECTMXD.F (Date from the file's last edit.)

5.Oct. 1999} and {IPCC 2001}).

; should be identical prior to 1920 or 1930 or whenever the decline ; was corrected onwards from. [23]

; No need to verify the correct and uncorrected versions, since these

MICHAEL MANN HA MANN, BRADLEY an

By September, 1999 ( "Observed Climate Va prominently features I By November, 2003, 1 MCKITRICK Nov.200 of purported catastro stick is not used 4 year

Apr 1999

1800 THE HOCKEY STICK IS BORN MANN, BRADLEY and HUGHES publish their hockey stick paper (MBH98) in Nature. However, the graph only goes back to 1400, which is after the Medieval Warm Period, so it only flattens the Little Ice Age. A year later, they publish a new version, MBH99, going back a thousand years and flattening the MWP, too. [43]

— ACTUAL DATA (1902–1995)

RECONSTRUCTED (50 YEAR LOWPASS

Research Letters (GRL) to year 1000, and flatt

1976 - 2000 TEMPERATURES WARMING GLOBALLY (2009 DATA)

Jan 1993

CONOMIC COMPENSATION IS ALREADY

Jan 1990

ession (Washington, February, 1990), Bert Working Group I) states that the fossil fuel the critical one and must be addressed now," incial aid and technology transfer that wi eveloped countries to developing ones.

MENT REPORT ther contributors to the report include e UK Meteorological Office and CRU [130].

n-Made" is just that. [25]

Oct 1989

aph shown is Figure 7c from the 1990 IPCC was created by Hubert Lamb, CRU's first shows the Medieval Warm Period of 1000 ttle Ice Age of 300 years ago, which, as s in his article "A Simple Proof that Global

O2/man-made global warming theory, so eded to eliminate them, which is what cey stick graph accomplished. [36] [127] See 1 PERIOD 1995).

LIA were global phenomena and major

C replaced its temperature graph in 2001 discredited "hockey stick" graph (see MCKITRICK Nov.2003}) that flattened the turned dramatically upward in the midcreating an impression that global reviously been stable.

IPCC SUPPLEMENTARY REPORT SECOND IPCC ASSESSMENT REPORT THE UNFCCC IS CREATED

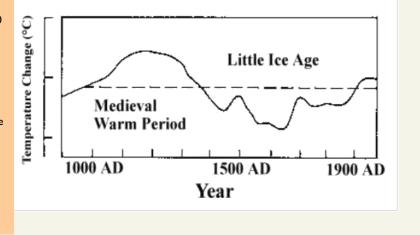
Creation of the United Nations Framework Convention on Climate Change, "a body that ation of a treaty of the same name and that treaty asserts that manmade emissions of carbon dioxide cause warming." [130]

As with the IPCC's 1990 report, key lead authors and other contributors to the report include senior staff from the UK Meteorological Office and CRU. [130] SANTER was responsible for a highly controversial rewriting of key passages in

the 1995 IPCC report (see {WALL STREET JOURNAL 12.Jun.1996}). **BEFORE:** "No study to date has positively attributed all or part [of observed climate change] to anthropogenic causes." - IPPC 1995 [126] that the best answer to this question is, 'We do not know." -- IPCC 1995 [126]

Apr 1995

**BEFORE:** "When will an anthropogenic effect on climate be identified? It is not surprising **AFTER:** "The body of ... evidence now points to a discernible human influence on global climate." -- IPCC 1995 (rewrite) [126]



KYOTO PROTOCOL

Oct 1997

PETITION: "NO CONVINCING SCIENTIFIC EVIDENCE" OF AGW; BY 2010, 31,486 SCIENTISTS SIGN The Petition Project is initiated in response to claims by Mr. Gore, the IPCC and others at Kyoto the "'science is settled' - that an overwhelming 'consensus' of scientists agrees with the hypothesis of human-caused global warming, with only a handful of skeptical scientists in disagreement." "In PhD scientist signers alone [more than 9,000], the project already includes 15-times more scientists than are seriously involved in the United Nations IPCC process." [154:1] Of 31,486 scientists who have signed, 3,804 are trained in atmospheric, environmental, and Earth sciences; 935 in hods: 5.812 in physics and aerospace sciences, and 4,821 in chemistry. [154:2]

Oct 1998

Jan 1999

Jul 1998

Dec 20, 2007

Jul 1996

Oct 1996

Jan 1997

Apr 1997

Apr 1996

U.S. SENATE REPORT: OVER 400 PROMINENT SCIENTISTS DISPUTE MAN-MADE GLOBAL WARMING CLAIMS (report updated to 700 scientists in 2009]) [55]

Jul 1997

CARBON ECONOMICS 2: A STACKED DECK AGAINST ECONOMIC PROGRESS

good news, from the IPCC perspective, is that carbon emissions were a lot lower." [124:1]

"Capitalism clearly ruins everything." [124:1] (See also [143] [144].)

As Terence Corcoran explains in "Climategate Part I - A 2,000-page epic of science and

skepticism," CRU became involved with developing future economic scenarios for the IPCC, "a

loaded ideological exercise. In March 1998, Mike Hulme received a draft version [0889554019.txt] of these

100-year forecast scenarios.... [T]he A1 scenario is called the Golden Economic Age. It describes a period of

successful in the past: free markets, global free trade, innovation.... The trouble with this Golden Economic Age

... is that it produced a lot of carbon emissions ... The alternatives were variations on slower growth.... But the

"The upshot of these scenarios, based on IPCC objectives of reducing carbon emission, is a

make their way through a barrage of comment from scientists who, for the most part, balk at the process. In

deck stacked against free markets and globalization. In the [ClimateGate] emails, the scenarios

one small sample, Tom Wigley wrote to Mike Hulme telling him that 'energy-economics models need to be

David Schimel, a climate scientist at the U.S. National Center for Atmospheric Research, wrote to Wigley: 'I

raised this issue at the scoping meeting ... where it was greeted with general agreement but it appeared to

come as a complete surprise to many that scenarios should have a relationship to reality....

"In the end, Mike Hulme appeared as one of the contributing authors for the IPCC's 2001 Synthesis Report,

including various 100-year scenarios. It concluded that carbon concentration in the atmosphere could rise to

1,250% above the pre-industrial year of 1750 under the free market A1 scenario, with temperatures rising

Jun 24, 1998 - May 8, 2007

GLOBAL WARMING ALSO ON TRITON, NEPTUNE, MARS

MAY 8, 2007: Neptune warming steadily from 1980 to 2004. [97]

JUNE 24, 1998: Global warming on Neptune's largest moon, Triton. [95]

JANUARY 26, 2007: Simultaneous global warming on Mars and Earth. [96]

Jan 1998

Apr 1998

revised' because they fail to take into account actual emissions between 1990 and 1999. In July, 1998,

'rapid and successful economic development,' brought on by the economic structures that have been

"Over 400 prominent scientists from more than two dozen countries recently voiced significant objections to major aspects of the so-called 'consensus' on man-made global warming. These scientists, many of whom are current and former participants in the UN IPCC (Intergovernmental Panel on Climate Change), criticized the climate claims made by the UN IPCC ..." [55] [ClimateGate lets the public understand why scientists made the following comments back in 2007 or earlier.] Kiminori Itoh, IPCC expert reviewer, and award-winning environmental physical chemist: "[The promotion of warming fears] is 'the worst scientific scandal in history.... When people come to know what the truth is, they will feel deceived by science and scientists." [55]

• Kenneth Green (2009), IPCC expert reviewer: "[W]e can expect climate crisis industry to grow increasingly shrill, and increasingly hostile toward anyone who questions their authority."

· Vincent Gray, IPCC expert reviewer of report drafts since 1990, and author of over 100 papers: "The claims of the IPCC are dangerous unscientific nonsense." [55] • Tom Segalstad (2009), former IPCC expert reviewer, and geologist at the University of Oslo: "Most leading geologists throughout the world know that the IPCC's view of Earth processes are implausible if not impossible." [60] Philip Lloyd (2009), IPCC co-coordinating lead author, and author of over 150 peer reviewed publications: "It isn't necessary to list all the changes I have identified between what the scientists actually said and what the policy makers wh wrote the Summary for Policy Makers said they said. The process is so flawed that the result is tantamount to fraud. As an authority, the IPCC should be consigned to the scrapheap without delay." [65]

• Richard Lindzen, former IPCC lead author, and current Alfred P. Sloan professor of meteorology at MIT: "Controlling carbon is kind of a bureaucrat's dream. If you control carbon, you control life." "[The IPCC] is not

2,500 people offering their consensus, I participated in that. Each person who is an author writes one or two pages in conjunction with someone else ... but ultimately, it is written by representatives of governments, of environmental organizations ... and industrial organizations, each seeking their own benefit." [55] • Paul Reiter, former malaria expert at the Centers for Disease Control and Prevention, and current professor of entomology and tropical disease at the Pasteur Institute, who resigned from the IPCC and had to threaten legal action to have his name removed: "That is how they make it seem that all the top scientists are agreed." "For twelve years, my colleagues and I have protested against the unsubstantiated claims that climate change is causing the disease [malaria] to spread." "We have done the studies and challenged the alarmists - but they continue to ignore the facts, and perpetuate the lies." [55]

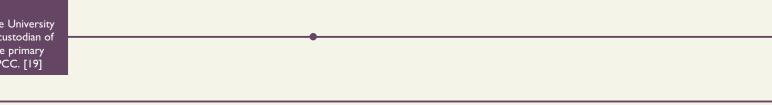
• Patrick J. Michaels, IPCC expert reviewer, past president of the American Association of State Climatologists, and current professor of environmental sciences at the University of Virginia: "Nowhere in the traditionally refere [i.e., peer reviewed] scientific literature do we find any support for Gore's hypothesis. Instead, there's an un-refereed editorial by NASA climate firebrand James E. Hansen in the journal Climate Change - edited by Steven Schneider, of Stanford University, who said in 1989 that scientists had to choose 'the right balance between being effective and honest' about global warming..." [55]

• John Christy, IPCC lead author, professor of atmospheric science and director of the Earth System Science Center at the University of Alabama (Huntsville): "I was at the table with three Europeans, and we were having lunch. And they were talking about their role as [IPCC] lead authors ... [and] how they were trying to make the report so dramatic that the United States would just have to sign that Kyoto Protocol." [55] • Christopher W. Landsea, IPCC author and reviewer, atmospheric scientist, and hurricane expert with NOAA's National Hurricane Center, who resigned from the IPCC Fourth Assessment Report, charging the UN with falsifying hurricane science: "I am withdrawing because I have come to view the part of the IPCC to which my expertise is relevant as having become politicized.... I personally cannot in good faith continue to contribute to a process that I view as both being motivated by pre-conceived agendas and being scientifically unsound." [55]

• Andrei Kapitsa, Russian geographer and Antarctic ice core researcher: "A large number of critical documents submitted at the 1995 U.N. conference in Madrid vanished without a trace. As a result, the discussion was one-sided and heavily biased, and the U.N. declared global warming to be a scientific fact." [161]

Y is Director of the University Anglia's CRU, and custodian of erature record, the primary relied on by the IPCC. [19]

HANSEN is Director of NASA GISS. He is custodian of the second most important temperature record used b the CRU, GISS and NOAA GHCN global temperature records agree with each other, that CRU's dataset is reli reveal that CRU's record is unreliable (prompting a 3 year U.K. Met Office project to reassess 160 years worth they are consistent with it, the GISS and GHCN records are now also suspect. [30] CRU and GISS obtain aln the GHCN! [50] [1255298593.txt] See [50] [60] [62] [77] [114] [132] [168] [171] for examples of



DAVIES is Director of University of East Anglia's CRU and custodian of its

emperature record, which is the primary data set relied on by the IPCC. [19]

Apr 12, 1999 - Sep 22, 1999

TS GLORY

NES, BRIFFA and

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124.txt]

THINK

Corcoran explains that BRIFFA was "struggling with Russian tree-ring results and the reports of Russian scientists on their difficulties. Their findings often contradicted the idea that the world is warmer today than hundreds or even thousands of years ago. 'Relatively high number of trees has been noted during 750-1450 A.D. There is no evidence of moving polar timberline in the north during the last century,' wrote Rashit Hanntemirov from Russia in October 1998 [0907975032.txt] – implying that warming has been common in the past and nothing unusual was happening today.

"The reference to 750-1450 would appear to support the long-held scientific view on the existence of a Medieval Warm Period that might have been hotter than the 20th century. A couple of weeks later, another Russian, Eugene Vaganov, wrote in a paper saying that 'the warming in the middle of the 20th century is not extraordinary. The warming at the border of the 1st and 2nd millennia was [longer] ... and similar in amplitude.' [0908297214.txt]. Mr. Briffa, in his Science paper, proposed his own 2,000-year record as an alternative to Mr. Mann's hockey stick ... The paper raises issues that cast doubt on Mr. Mann's version of climate history.... When Mr. Mann saw the pre-publication version of Mr. Briffa's critical paper, he blew up...."

A series of heated e-mails ensue and it "appears, moreover, that Mr. Mann had interfered with the peer-review process of Mr. Briffa's article at Science magazine. One of Mr. Mann's associates, Raymond Bradley at the University of Massachusetts, on April 19, wrote to Science editor Julia Uppenbrink, saying, 'I would like to disassociate myself from Mike Mann's view' regarding the climate warming article. Mr. Bradley sends a blind copy of this email to Mr. Briffa." [See {BRADLEY 19.Apr.1999}]

"The conflict eventually makes it up to Phil Jones, the head of CRU, who writes a stinging letter to Mr. Mann on May 6. 'You seem quite pissed off with us all in CRU... [Jones] then rips into Mr. Mann [accusing him] of 'slanging us all off to [the journal] Science." "[A month later MANN offers an apology about which] Mr. Bradley, Mr. Mann's associate in Massachusetts and co-creator of the hockey stick graph, sends a private response to Mr. Briffa: 'Excuse me while I puke ..."

"At this point in the Climategate emails, the stage has been set for a decade of high drama. Over the next 10 years, the emails become a zone of internal conflict and external battles to suppress criticism, ridicule critics and resist all outside interference with the official science story they had assembled: The late 20th century was the warmest in history, and the next 100 years could be a climate nightmare." "The Mann technique of aggressive intervention in the peer-review process over Mr. Briffa's work sets the tone for what would become a major strategy as all the scientists within the IPCC loop waged war on any science and papers that contravened or questioned the official view." [124:2]

#### Oct 5, 1999 HOW TO HIDE COOLING: DON'T USE THE DATA

BRIFFA had been using Yamal tree ring data since late 1996, but by November 1997, he is "struggling with results." [124:1] His data shows cooling after 1960, while the instrument record shows warming. (See also [1142108839.txt] in {JONES 12.Aug.1996}). OSBORN attributes the discrepancy to a "non-temperature signal": "They go from 1402 to 1995, although we usually stop the series in 1960 because of the recent non-temperature **signal** that is superimposed on the tree-ring data that we use." [0939154709.txt]

The problem is that "the divergence raises the question that if the tree-ring reconstructions could not read the higher temperatures of today, how could the scientists be sure that there weren't higher temperatures throughout the last thousand years that have also gone undetected by the tree-rings." [167:2] BRIFFA'S decline is raised at the {IPCC 1.Sep.1999} Arusha meeting, and to solve it, OSBORN advises MANN to remove all data after 1960 for the IPCC figure he is preparing, as explained by MCINTYRE (also see [60]):

"On Oct 5, 1999, Osborn (on behalf of Briffa) sent Mann a revised version of the Briffa reconstruction with more 'low-frequency' variability ... a version that is identical up to 1960...." "[T] his version had an even larger late-20th century decline than the version shown at the Tanzania Lead Authors' meeting. Nonetheless, the First Order Draft, sent out a few weeks later [see {FIRST 27.Oct. 1999}] contained a new version of the proxy diagram, a version which contains the main elements of the eventual Third Assessment Report proxy diagram [see {IPCC 2001}].

"The diagram [right] shows the IPCC version of the Briffa reconstruction (digitized from the IPCC 2001) compared to actual Briffa data [in 0939154709.txt] ..." "[T]he decline [after 1960] in the Briffa reconstruction has, for the most part, been deleted from the IPCC proxy diagram [see green line in graph at right, and in close-up graph shown with {IPCC 2001}]." "Contrary to claims by various climate scientists, the IPCC Third Assessment Report did not disclose the deletion of the post-1960 values." "The deletion of the decline was repeated in the 2007 Assessment Report First Order and Second Order Drafts, once again without any disclosure." [54]

OSBORN also advises MANN to try changing the baseline (i.e., to massage the data) if a decline prior to 1960 appears. "Indeed, if the non-temperature signal that causes the decline in tree-ring density begins before 1960, then a short 1931-60 period might yield a more biased result than using a longer 1881-1960 period." [0939154709.txt]

### BRIFFA NOT HAPPY ABOUT CREATING "CONSENSUS" BY EXCLUDING DATA BRIFFA: "My concern was motivated by the possibility of expressing an impression of more

concensus than might actually exist. I suppose the earlier talk implying that we should not 'muddy the waters' by including contradictory evidence worried me." [0938125745.txt]

#### IPCC "FIRST ORDER DRAFT' OF 2001 REPORT [54]

S A GOOD YEAR

rs later in the 2007 report.

Oct 1999

d HUGHES republish their hockey stick in Geophysical

ariability and Change," of the IPCC 2001 report, which

MANN'S hockey stick on page 3 (see {IPCC 2001}).

(MBH99). This time, however, the hockey stick goes back

ens both the Medieval Warm Period and Little Ice Age. [44]

or earlier), MANN is appointed Lead Author of Chapter 2,

MANN'S hockey stick is discredited (see {MCINTYRE AND

3}). However, the graph had become the de facto "proof"

phic CO2 induced man-made climate change. The hockey

### HOW TO HIDE COOLING: USE MANN'S "NATURE" TECHNIQUE

IONES announces he's successfully used MANN'S "Nature trick" (used to create the controversial MBH98 temperature record (see {MCINTYRE Nov.2003} and {MANN 23.Apr.98}) to hide a drop in proxy-based reconstructed temperatures.

JONES: Subject: Diagram for WMO Statement "I've just completed Mike's Nature trick of adding in the real temps to each series for the last 20 years (ie from 1981 onwards) amd from 1961 for Keith's to hide the decline." [0942777075.txt]

See [36] for a full explanation of how this was done, and how the "trick" became part of the iconic hockey stick graph in the 2001 IPCC report; see {IPCC 2001}.

many spaghetti graph reconstructions ..." [158]

**Jul 2000** 

Oct 2000

Jan 2001

ninate them. And this is what was done. [36] [127]

**Apr 2000** 

JUST SAY YOU DON'T HAVE THE DATA EVEN IF YOU DO

BRIFFA publishes BRIFFA2000 [156] which uses the now controversial Yamal tree

ring measurement temperature data. In 1995 BRIFFA published that 1032 "was the

coldest year of the millennium" however new data by Schweingruber showed "the

opposite situation - a very warm 11th century". So in BRIFFA2000 he substituted his

original data with the Yamal data without reporting the contradictory results. [157]

"[This Yamal data was] used like crack cocaine by paleoclimatologists, and [is critical] in

Curious about this situation, MCINTYRE requests the data in 2006, but is refused.

He finally obtains the data by luck in 2009 (see {MCINTYRE 26.Sep.2009}). In fact,

as he explains, OSBORN even advised the editors of Science in 2006 that he (i.e.

CRU) didn't "have any core measurement data' ... [though] the Climategate documents

CRU actually have Yamal measurement data (which it had had since the 1990s), the CRU

letters showed that CRU had funded collection of the Yamal data (at least in part)." [155]

UN FAO: EARTH WARMS AND COOLS EVERY 30 YEARS

The UN Food and Agriculture Organization sought to understand the effect of

climate change on long-term fluctuations of commercial catches and reported

that several independent measures showed "a clear 55-65 year periodicity"

(i.e. approx 30 year warming then cooling) over both short terms (150 years)

"'meridional' epoch ... is now in its initial stage." [146:2] Latidudinal circulations have

1998 - 2010

STABLE, THEN COOLING, GLOBAL TEMPERATURES

**DESPITE GREATEST MAN-MADE CO2 EMISSIONS EVER** 

(2009 DATA)

IONES (5.Jul.2005): "[T]he world had cooled from 1998. OK it has but it is only 7 years of data..."

KELLY (26.Sep.2008): "[T]he [temperature] level has really been quite stable since 2000 or so...

TRENBERTH (12.Oct.2009): "The fact is that we can't account for the lack of warming at the

moment and it is a travesty that we can't."

Apr 2001

and long terms (1500 years). [146:1] The report also highlighted that the

corresponded to warm periods and meridional circulations to cool ones.

current "latitudinal" ... epoch of the 1970-1990s" is in its final stage and a

show that CRU had an extensive collection of Yamal measurement data ... Not only did

#### eb 2003 - Sep 2009 WIKIPEDIA'S CLIMATE DOCTOR

"[Climate modeler and realclimate.org co-founder William] Connolley took control of all things climate in the most used information source the world has ever known - Wikipedia. Starting in February 2003, just when opposition to the claims of the band members were beginning to gel, Connolley set to work on the Wikipedia site. He rewrote Wikipedia's articles on global warming, on the greenhouse effect, on the instrumental temperature record, on the urban heat island, on climate models, on global cooling. On Feb. 14, he began to erase the Little Ice Age; on Aug. 11, the Medieval Warm Period. In October, he turned his attention to the hockey stick graph. He rewrote articles on the politics of global warming and on the scientists who were skeptical of the band. Richard Lindzen and Fred Singer, two of the world's most distinguished climate scientists, were among his early targets, followed by others that the band especially hated, such as Willie Soon and Sallie Baliunas of the Harvard-Smithsonian Center for Astrophysics, authorities on the Medieval Warm Period." [109] (Also see [111].)

"Connolley 'created or rewrote 5,428 unique Wikipedia articles' and was granted a senior editorial and administrative status at Wikipedia that enabled him to delete 'over 500 articles' and 'barred' more than 2000 Wikipedia contributors who 'ran afoul of him.'" [110] CONNOLLEY'S administrator status was revoked by Wikipedia in September, 2009 for his involvement in an unrelated dispute. [112]

#### Mar 11, 2003 THREATEN CLIMATE RESEARCH JOURNAL

MANN e-mails JONES, HUGHES, BRIFFA, BRADLEY and others explaining how all along, the plan was to insist that those against the AGW theory publish in peer review journals. However, now that Climate Research is publishing their papers, he suggests that he and his colleagues no longer cite papers from it or submit papers to it, while Jones says he'll boycott if it doesn't get a new editor. See [79] for full details.

On one hand, the team insists opposing views be aired in peer review journals, and on the other, takes action against editors who publish contrary articles -- in this case a Willie Soon & Sallie Baliunas paper that "identifies the main cause of climate change as 'solar forcing,' not carbon dioxide (CO2)." [169] (See {SUN DETERMINED 9.Aug.1996}.)

MANN: "They've already achieved what they wanted-the claim of a peer-reviewed paper. There is nothing we can do about that now, but the last thing we want to do is bring attention to this paper, which will be ignored by the community on the whole...

"This was the danger of always criticising the skeptics for not publishing **in the 'peer-reviewed literature'**. Obviously, they found a solution to that—take over a journal! So what do we do about this? I think we have to stop considering 'Climate Research' as a legitimate peer-reviewed journal. Perhaps we should encourage our colleagues in the climate research community to no longer submit to, or cite papers in, this journal. We would also need to consider what we tell or request of our more reasonable colleagues who currently sit on the editorial board..."

JONES: "I will be emailing the journal to tell them I'm having nothing more to do with it until they rid themselves of this troublesome editor. A CRU person is on the editorial board, but papers get dealt with by the editor assigned by Hans von Storch." [1047388489.txt]

Hide the Decline

1600 1700

**5** 0.2 -

-0.4

■ IPCC Version ■ Climategate Version

1400 1500

#### Apr 24, 2003 OUST EDITORS THAT PUBLISH PAPERS YOU DON'T LIKE

WIGLEY explains to JONES, HULME and CARTER strategies for ousting the editor of Climate Research, which has published papers they don't agree with [1051190249.txt]:

WIGLEY: "PS Re CR [Climate Research], I do not know the best way to handle the specifics of the editoring. Hans von Storch is partly to blame - he encourages the publication of crap science 'in order to stimulate debate'. One approach is to go direct to the publishers and point out the fact that their journal is perceived as being a medium for disseminating misinformation under the guise of refereed work. I use the word 'berceived' here, since whether it is true or not is not what the publishers care about -- it is how the journal is seen by the community that counts. I think we could get a large group of highly credentialed scientists to sign such a letter – 50+ people.

"Note that I am copying this view only to Mike Hulme and Phil Jones. Mike's idea to get editorial board members to resign will probably not work -- must get rid of von Storch too, otherwise holes will eventually fill up with people like Legates, Balling, Lindzen, Michaels, Singer, etc. I have heard that the publishers are not happy with von Storch, so the above approach might remove that hurdle too." (Von Storch subsequently resigns.)

SALINGER to WIGLEY, IONES, HULME, BRIFFA, HANSEN, HARVEY, SANTER, TRENBERTH, WILBY, MANN, KARL and 20 other "friends and colleagues" about their duty to act as the gate-keepers of what papers appear in scientific publications, even if the papers pass peer review:

SALINGER: "Ignoring bad science eventually reinforces the apparent 'truth' of that bad science in the public mind, if it is not corrected. As importantly, the 'bad science' published by CR is used by the sceptics' lobbies to 'prove' that there is no need for concern over climate change. Since the IPCC makes it quite clear that there are substantial grounds for concern about climate change [this is circular logic since the IPCC said so because of the hockey team's work!], is it not partially the responsibility of climate science to make sure only satisfactorily peer-reviewed science appears in scientific publications? - and to refute any inadequately reviewed and wrong articles

that do make their way through the peer review process?" [1051230500.txt]

COOK: WE KNOW OF PROBABLE FLAWS IN MANN'S WORK

temperature data, which COOK agrees is problematic. See {MANN

BRIFFA: "I have just read this lettter - and I think it is crap. I am sick to death

of Mann stating his reconstruction represents the tropical area just

tropical series. He is just as capable of regressing these data again any other

'target' series , such as the increasing trend of self-opinionated verbage he has

COOK: "Of course, I agree with you. We both know the probable flaws in

response is also why I chose not to read the published version of his letter. It would

be too aggravating.... It is puzzling to me that a guy as bright as Mike would be so

unwilling to evaluate his own work a bit more objectively." [1024334440.txt]

because it contains a few (poorly temperature representative)

Mike's recon, particularly as it relates to the tropical stuff. Your

produced over the last few years, and ... (better say no more)"

19.Apr.1999) and {MCINTYRE AND MCKITRICK Nov.2003} for

BRIFFA is "sick to death" of MANN'S representations about his

background on MANN'S work:

### REVIEWING PAPERS CRITICAL OF OWN WORK COOK asks BRIFFA for help to put down a paper

CRITICAL OF HIS OWN WORK he's reviewing that is critical of BRIFFA'S own work: JONES: "Recently rejected two papers (one for JGR and for GRL) from people saying CRU has it COOK: "Review- confidential REALLY URGENT" wrong over Siberia. Went to town in both - "Now something to ask from you.... I got a paper reviews, hopefully successfully. If either appears I

to review (submitted to the Journal of Agricultural, Biological, and Environmental Sciences), written by a Korean guy and someone from Berkeley, that claims that the method of reconstruction that we use in dendroclimatology (reverse regression) is wrong, biased, lousy, horrible, etc. They use your Tornetrask recon as the main whipping boy.... If published as is, this paper could really do some damage. It is also an ugly paper to review because it is rather mathematical, with a lot of Box-Jenkins stuff in it. It won't be easy to dismiss out of hand as the math appears to be correct theoretically ... Your assistance here is greatly appreciated." [1054756929.txt]

#### Jul 4, 2003 **HULME: TERMINATE ALL INVOLVEMENT**

have got the right person with the one just received.

OVERPECK: CONTAIN THE MWP

"Peck" memo to "contain" the MWP:

the putative 'MWP' ... " [1054736277.txt]

MANN confirms DEMING'S 1995 statement. See {MEDIEVAL

WARM PERIOD 1995}, when he (MANN) refers to an earlier

MANN: "... addresses a good earlier point that Peck made w/

regard to the memo, that it would be nice to try to 'contain'

See {MEDIEVAL WARM PERIOD 1995}, {IPCC 1990}, and {IPCC

CLIMATE IS ARBITRARILY DEFINED AS A 30 YEAR TREND

temperature period used by the IPCC. JONES explains that

basis. PLUMMER doesn't want to change it from the 1961-90

JONES: "20 years (1981-2000) isn't 30 years, but the rationale for

30 years isn't that compelling. The original argument was for 35

years around 1900 because Bruckner found 35 cycles in some

30 as it easier to compute. Personally I don't want to

change the base period till after I retire!"

warming will be muted." [1105019698.txt]

west Russian lakes (hence beriods like 1881-1915). This went to

PLUMMER: "There is a preference in the atmospheric observations

chapter of IPCC AR4 to stay with the 1961-1990 normals. This is

partly because a change of normals confuses users, e.g.

anomalies will seem less positive than before if we

change to newer normals, so the impression of global

the length was an arbitrary choice which has no scientific

period because global warming won't appear as dramatic.

IONES and PLUMMER discuss the 30-year reference

2001) to understand how critically important this admission is.

WITH CLIMATE RESEARCH JOURNAL MANN: "I think that the community should, as Mike H has previously suggested in this eventuality, terminate its involvement with this journal [Climate Research] at all levelsreviewing, editing, and submitting, and leave it to wither way [sic] into oblivion and disrepute." [1057941657.txt]

IONES "REVIEWS" PAPER DEALING WITH HIS OWN WORK [1077829152.txt]:

JONES to MIKE: "Just agreed to review a paper for GRL - it is absolute rubbish. It is having a go at

wonders who reviews these sorts of things. Says GRL hasn't a clue with editors or reviewers. By chance they seem to

"Can I ask you something in CONFIDENCE - don't email around, especially not to Keith and Tim here. Have you

work] and MJ03 have underestimated variability in the millennial record - from models or from some

low-freq proxy data. Just a yes or no will do. Tim is reviewing them - I want to make sure he takes my comments on

board, but he wants to be squeaky clean with discussing them with others. So forget this email when you reply."

reviewed any papers recently for Science that say that MBH98 [note that MBH98 is MANN'S own

the region this person says has Urban Warming! So easy review to do. Sent Ben the Soon et al. paper and he

the CRU temperature data - not the latest vesion, but the one you used in MBH98!! We added lots of data in for

critical published in a journal."

Mar 31, 2004

GRL" [1080742144.txt]:

**IONES "REVIEWS" MORE PAPERS** 

will be very surprised, but you never know with

FROM [85]: "One of those rejected papers

about Siberian temperatures may have been by

me [Lars Kamel]. The time is about right. I got it

and the editor saw it as an attack on him when I

gave up the idea of ever getting something AGW

rejected because of nonsense from a reviewer

critized the quality of the review. After that, I

CONTROL PAPERS USED BY THE IPCC

### Jul 8, 2004

JONES: "I can't see either of these papers being in the next IPCC report. Kevin and I will keep them out somehow - even if we have to redefine what the peer-review literature is!" [1089318616.txt] (Note: the papers were excluded from the IPCC report. See [81] for more about what took place.)

THREATEN GEOPHYSICAL RESEARCH LETTERS JOUR HUGHES, MANN, WIGLEY, BRADLEY, JONES, BRI and SCHMIDT discuss what to do about the journal Geophysical Research Letters (GRL), which had been pri papers they don't like. Its editor James Saiers is

Jan 21, 2005

subsequently ousted. WIGLEY: "This is truly awful. GRL has gone downhill rapid

recent years. I think the decline began before Saiers.... "Proving bad behavior here is very difficult. If you think to Saiers is in the greenhouse skeptics camp, then, if can find documentary evidence of this, we could through official ... channels to get him ousted. Eve

would be difficult." MANN: "It's one thing to lose 'Climate Research'. We can' to lose GRL. I think it would be useful if people begin to reco their experiences w/ both Saiers and potentially Mackwell in Chief, GRL] (I don't know him-he would seem to be com w/what is going on here).

"If there is a clear body of evidence that something is amis: could be taken through the proper channels." [11063224

### ec 10, 2004

REALCLIMATE.ORG IS BORN

GAVIN SCHMIDT, MIKE MANN, ERIC STEIG, WILL CONNOLLEY, STEFAN RAHMSTORF, RAY BRADL Clement, RASMUS BENESTAD, and CASPAR AMMA establish realclimate.org, described by some "as an et

defend the debunked 'Hockey Stick'..." [73]: SCHMIDT: "The idea is that we working climate scientists have a place where we can mount a rapid response to suf 'bombshell' papers that are doing the rounds and give mo

context to climate related stories or events." [1102687002

HOCKEY STICK AUTHOR: OUR WORK SHOULD BE CONSIDERED

PRELIMINARY AND TREATED WITH CONSIDERABLE CAUTION

1900

1800

HUGHES, a co-author of the original hockey stick papers (MBH98 & MBH99), expresses reservations about over-reliance on their invention (also see [33]):

HUGHES: "All of our attempts, so far, to estimate hemisphere-scale temperatures for the period around 1000 years ago are based on far **fewer data than any of us would like**. None of the datasets used so far has anything like the geographical distribution that experience with recent centuries indicates we need, and no one has yet found a convincing way of validating the lower-frequency components of them against independent data. As Ed [Cook] wrote, in the tree-ring records that form the backbone of most of the published estimates, the problem of poor replication near the beginnings of records is particularly acute, and ubiquitous.... Therefore, I accept that everything we are doing is preliminary, and should be treated with considerable caution." [1018647333.txt]

Corrected version: 20<sup>th</sup>

1400 1450 1500 1550 1600 1650 1700 1750 1800 1850 1900 1950

entury no longer highes

MCINTYRE AND MCKITRICK EXPOSE HOCKEY STICK FLAWS WIGLEY: MANN'S 1998 PAPER "IS A VERY SLOPPY PIECE OF WORK" STEVEN MCINTYRE and ROSS MCKITRICK publish their first paper, "Corrections to the Mann et al. (1998) Proxy Data Base and Northern Hemisphere Average Temperature Series," (MM03) in Energy & Environment exposing the "collation errors, unjustifiable truncation or extrapolation

of source data, obsolete data, geographical location errors, incorrect calculation of principal components and other quality control defects" in MANN'S MBH98 hockey stick graph. [37] In October, 2004 WIGLEY reads MM03 and e-mails JONES he thinks MANN'S paper is very sloppy: "I have just read the M&M stuff critcizing MBH. A lot of it seems valid to me. At the very least MBH is a very sloppy piece of work -

an opinion I have held for some time. Presumably what you have done with Keith is better? - or is it? I get asked about this a lot." [1098472400.txt] The graph from MM03 highlights the result after MANN'S hockey stick is corrected. Specifically, high temperatures at the end of the Medieval Warm Period (1400-1500) are restored (see {WEGMAN 14.|ul.2006}). The hockey stick graph, used in the 2001 IPCC report, removes the MWP and

LIA, and makes it appear that there is alarming warming in recent years

compared with purportedly stable temperatures in earlier centuries. For a layman's explanation of the MCINTYRE and MCKITRICK paper and why it proves MANN'S hockey stick is statistically invalid (i.e. the hockey stick is a fabrication), as well as a riveting account of the maelstrom of intrigue the M&M paper unleashed, see [53]. In 2005, MCINTYRE and MCKITRICK publish more papers (following further disclosures about Mann) they claim "are a definitive resolution of issues first raised in MM03." [57]

## JONES: WE'VE GOT 25 YEARS WORK IN THE DATA; WHY SHOULD I GIVE IT?

his data and methods. From "The Dog Ate Global Warming" by Patrick J. Michaels: "Warwick Hughes, an Australian scientist, wondered where that '+/-' came from, so he politely wrote Phil Jones in early 2005, asking for the original data. Jones's response to a fellow scientist attempting to replicate his work was, 'We have 25 years or so invested in the work. Why should I make the data available to you, when your aim is to try and find something wrong

"Then the story changed. In June 2009, Georgia Tech's Peter Webster told Canadian researcher Stephen McIntyre that he had requested raw data, and Jones freely gave it to him. So McIntyre promptly filed a Freedom of Information Act request for the same data. Despite having been invited by the National Academy of Sciences to present his analyses of millennial temperatures, McIntyre was told that he couldn't have the data because he wasn't an 'academic.' So his colleague Ross McKitrick, an economist at the University of Guelph, asked for the data. He was turned down, too." [27]

Jan 2003

## JONES, whose research is publicly funded, claims ownership when asked to disclose

"Reread that statement, for it is breathtaking in its anti-scientific thrust. In fact, the entire purpose of replication is to 'try and find something wrong'....

#### JONES ON DALY'S DEATH: CHEERING NEWS

John Daly had discovered that solar cycles affected temperatures (see {SUN DETERMINED 9.Aug. 1996}).

INTERNATIONAL ASTRONOMICAL UNION: WARMING DUE TO SUN; **COOLING COMING** 

"A symposium of the International Astronomical Union [2004] concluded that it is the Sun that is chiefly responsible for the warming of the late 20th century," [93] and that it would be markedly less active in the coming half-century, resulting in global cooling.

Currently, 5 years later, that IAU prediction is holding firmly.

Oct 2003

Jul 2003

Apr 2003

### CONGRESS QUESTIONS IPCC ABOUT MANN'S METHODS

Joe Barton and Ed Whitfield, Chairmen, Subcommittee on Oversight and Investigations raise the issue of MANN et al's "historical record of temperatures and climate change" with Chairman because "recent peer-reviewed articles in Science, Geophysical Research Letters, En Environment, among others, researchers question the results of this work." They state this is p important because they "understand that these studies of temperature proxies (tree rings, ice corals, etc.) formed the basis for a new finding in the 2001 [IPCC] Third Assessment Report (TA

Further, they explain that "we understand from the February 14 Journal and these other rep researchers have failed to replicate the findings of these studies, in part because problems with the underlying data and the calculations used to reach the concl Questions have also been raised concerning the sharing and dissemination of the data and men to perform the studies. For example, according to the January 2005 Energy & Environment, the information necessary to replicate the analyses in the studies has not been made available to researchers upon request."

This raises serious questions for their committee: "[O]ne concern relates to whether review has been sufficiently robust and independent. We understand that Dr. M Mann, the lead author of the studies in question, was also a lead author of the I chapter that assessed and reported this very same work, and that two co-author studies were also contributing authors to the same chapter." [1120593115.txt]

#### eb 18, 2005 MANN'S METHOD CREATES HOCKEY STICKS

The Wall Street Journal cites experts questioning the validity of MANN'S hockey stick graph, and the methods used to produce it:

"Statistician Francis Zwiers of Environment Canada (a government agency) notes that Mr. Mann's method 'preferentially produces hockey sticks when there are none in the data.' Other reputable scientists such as Berkelev's Richard Muller and Hans von Storch of Germany's GKSS Center essentially agree." [32]

reveals he knows the Earth has been cooling for 7 years, but cannot say so publicly. "T scientific community would comdown on me in no uncertain

JONES: WE'VE BEEN

**COOLING SINCE 1998** 

JONES e-mails CHRISTY and

terms if I said the world had

cooled from 1998. OK it ha

but it is only 7 years of data and

it isn't statistically significant." [1120593115.txt]

The moment JONES and WIGLEY first become aware of the Freedom of Information Act from a UEA leaflet, they immediately start planning how to get around it [1106338806.txt]: WIGLEY: "I got a brochure on the FOI Act from UEA. Does this mean that, if someone asks for a computer program we have to give it out?? Can you check this for me and Sarah?"

JONES: "As you're no longer an employee I would use this argument if anything comes along...'

FIRST CONTACT WITH FOI: THE SCHEMING STARTS

WIGLEY: "The leaflet appeared so general, but it was prepared by UEA so they may have simplified things. From their wording, computer code would be covered by the FOIA. My concern was if Sarah is/was still employed by UEA. I guess she could claim that she had only written one tenth of

JONES: "As for FOIA Sarah isn't technically employed by UEA and she will likely be paid by Manchester Metropolitan University. I wouldn't worry about the code. If FOIA does ever get used by anyone, there is also IPR to consider as well. Data is covered by all the agreements we sign with people, so I will be hiding behind them."

Apr 2004

# JONES: I'LL DELETE CRU DATA RATHER THAN RELEASE IT

IONES and MANN discuss how to circumvent US and UK Freedom of Information Acts. JONES' solution: Delete the data. MANN'S solution: Claim intellectual property rights: JONES: "The two MMs [McIntyre and McKitrick] have been after

Upon his death, JONES writes: the CRU station data for years. If they ever hear there is a "In an odd way this is cheering Freedom of Information Act now in the UK, I think I'll news!" [1075403821.txt] delete the file rather than send to anyone. Does your similar act in the US force you to respond to enquiries within 20 days? - our does! The UK works on precedents, so the first request will test it. We also have a data protection act, which I will hide **behind.** Tom Wigley has sent me a worried email when he heard about it - thought people could ask him for his model code. He has

Jan 2004

with someone at UEA who'll say we must adhere to it!" MANN: "Yeah, there is a freedom of information act in the U.S., and the contrarians are going to try to use it for all its worth. But there are also intellectual property rights issues, so it isn't clear how these sorts of things will play out ultimately in the U.S." [1107454306.txt]

**Jul 2004** 

retired officially from UEA so he can hide behind that IPR

should be relevant here, but I can see me getting into an argument

#### Feb 21, 2005 HOW TO HIDE COOLING: H PRODUCES HOCKEY STICKS, **OF INFORMATION**

JONES: "Francis Zwiers is [s]ti hockey sticks.... The IPCC comes appropriate!" "PS I'm getting hassled by a co

station temperature data. Do the UK has a Freedom of Info The e-mail includes copies of 6 full disclosure, but that MANN

"This should have produced a heal tried to shut down debate by algorithm by which he arrived Mann was forced to publish a retro about his statistical methods have

February, 2005" "The WSJ highlights what Regaldo outright refusal to provide to inquir analysis, and his code. So this is wh deep concern over peer review: giv

with a smile on your face. - Kevin "Mann's work doesn't meet tl who use Mann's curve in their argument. One of Pournelle's Lav make up your data.' I will now add anything if you can keep you

February 2005" [1109021312.txt

Apr 2005

#### May 7, 2000 to Sep 11, 2000 CRU SOLICITS FUNDING FROM SHELL, BP AND ESSO

Jan 2000

Scientists questioning the CO2/man-made global warming (AGW) theory are routinely dismissed as being in the pay of Big Oil. However, in 2000, CRU not only solicits funding from Shell (after already trying BP and Esso [0947541692.txt]), but also considers a strategic partnership which would also give Shell a role in setting CRU's research agenda.

KELLY meets with Shell several times in the summer of 2000 and summarizes his discussions to HULME and ORIORDAN: "Mike and Tim Notes from the meeting with Shell International attached. Sorry

about the delay. I suspect that the climate change team in Shell International is probably the best route through to funding from elsewhere in the organisation including the foundation as they seem to have good access to the top levels." [0968691929.txt] (Also see [0962818260.txt].) "What ensued was necessarily a rather speculative discussion with the following

meeting as a 'strategic partnership' with the TC, broadly equivalent to a 'flagship alliance' in the TC proposal. A strategic partnership would involve not only the provision of funding but some (limited but genuine) role in setting the research agenda etc.

"I. Shell International would give serious consideration to what I referred to in the

"2. Shell's interest is not in basic science. Any work they support must have a clear and immediate relevance to 'real-world' activities. They are particularly interested in emissions trading and CDM." [uea-tyndall-shell-memo.doc]

## REAL OBJECTIVE OF IPCC ADMITTED: GLOBALIZATION

KELLY explains to Paul Horsman of Greenpeace the purpose of the IPCC (Horsman is restating KELLY in this e-mail) [greenpeace.txt]: HORSMAN: "One particular thing you said - and we agreed - was about the IPCC

reports and the broader climate negotiations were working to the globalisation agenda

driven by organisations like the WTO [World Trade Organization]." (Also see [141].)

THIRD IPCC ASSESSMENT REPORT (TAR): THE HOCKEY STICK ARRIVES ON STAGE In its 1990 report, the IPCC used the temperature graph created by Hubert Lamb, CRU's first Director [125], which showed the Medieval Warm Period 1000 years earlier and the Little Ice Age 300 years earlier. Both the MWP and LIA were global phenomena, and a major problem for the CO2/man-made global warming theory. The hockey team needed to

Jul 2001

Oct 2001

Jan 2002

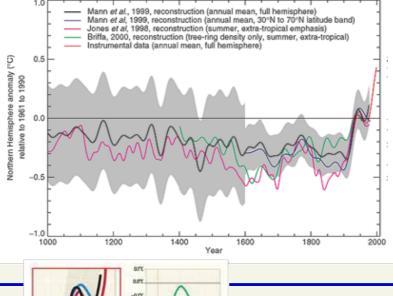
In fact, DEMING was actually told that: "We must get rid of the Medieval Warm Period" (see {MEDIEVAL WARM PERIOD 1995}). In {MANN 4.Jun.03}, Mann writes: "... addresses a good earlier point that Peck made w/ regard to the memo, that it would be nice to try to 'contain' the putative 'MWP...." [1054736277.txt]

On March 15, 1999, MANN publishes the hockey stick graph in MBH99. It flattens the MWP and LIA, and then turns dramatically skyward to make it appear that temperatures were relatively stable in earlier centuries.

By September 1, 1999 (or earlier) MANN is appointed Lead Author of Chapter 2, "Observed Climate Variability and Change," of the IPCC 2001 report, which substitutes Mann's hockey stick (shown here) for Lamb's 1990 graph. The hockey stick is featured prominently on page 3 of the "Summary for Policymakers." Though Mann's hockey stick is discredited 2 years later (see {MCINTYRE AND MCKITRICK Nov.2003}), it becomes de facto "proof" of purported catastrophic CO2 induced man-made climate change, and is given persistent prominence by Al Gore.

The authors of the 4 data sets used in this graph are all key individuals party to the CRU e-mails. There are 2 data sets from MANN, I data set from JONES and I from BRIFFA (who is embroiled in his own hockey stick fiasco; see {BRIFFA'S YAMAL 26.Sep.2009}). For an explanation of manipulations in this graph, see [36]; for explanations of other tampering and a close-up [60], see {HOW TO: 5.Oct.1999} and {MANN 1.Sep.1999}. The hockey stick was not used in the 2007 report, but the players remain the same, with

BRIFFA taking over from MANN, as explained by MCINTYRE in "IPCC AR4" [56]: "The lead author for the millennial paleoclimate section was Keith Briffa ... The Team features prominently in the chapter – a search on Mann turns up 92 mentions; BRIFFA 36 mentions; JONES 36 mentions. Like MANN before him, BRIFFA used his position as Lead Author to publicize his own work."



MICHAEL CRICHTON AT CALTECH: IN SCIENCE CONSENSUS IS IRRELEVANT

"I want to pause here and talk about this notion of consensus, and the rise of what has been called

it is a way to avoid debate by claiming that the matter is already settled. Whenever you hear the

"Let's be clear: the work of science has nothing whatever to do with consensus. Consensus is the

"There is no such thing as consensus science. If it's consensus, it isn't science. If it's science, it isn't

consensus. Period." [145]. (A year later, Crichton's novel State of Fear is published.)

are great precisely because they broke with the consensus.

Jul 2002

Apr 2002

business of politics. Science, on the contrary, requires only one investigator who happens to be right,

which means that he or she has results that are verifiable by reference to the real world. In science

consensus is irrelevant. What is relevant is [sic] reproducible results. The greatest scientists in history

Oct 2002

consensus science. I regard consensus science as an extremely pernicious development that ought to

be stopped cold in its tracks. Historically, the claim of consensus has been the first refuge of scoundrels;

consensus of scientists agrees on something or other, reach for your wallet, because you're being had.

#### COOK: WE KNOW FOR CERTAIN WE KNOW NOTHING ABOUT **TEMPERATURES BEFORE 1900** COOK e-mails BRIFFA with a suggestion for a new paper, "Northern

Hemisphere Temperatures Over The Past Millennium: Where Are The Greatest Uncertainties?" written by himself, BRIFFA, Esper, OSBORFN, D'arrigo, BRADLEY, and possibly JONES and MANN. "[W]hat I am suggesting is strictly an empirical comparison of published 1000 year NH [northern hemisphere] reconstructions..." "I think this is exactly the kind of study that needs to be done before the next IPCC [2007] assessment." He suggests a range of topics, including "Describe the past work (Mann, Briffa,

Jones, Crowley, Esper, yada, yada, yada) and their data overlaps," and ends with the conclusion he says the paper will come to (note: expletives partially redacted): "Without trying to prejudice this work, but also because of what I almost think I know to be the case, the results of this study will show that we can probably say a fair bit about <100 year extra-tropical NH temperature variability (at least as far as we believe the proxy estimates), but honestly know  $f^{**}k$ -all about what the >100 year variability was like with any certainty (i.e. we know with certainty that we know f\*\*k-all)." [1062592331.txt]

### VON STORCH: TIME TO TOSS THE HOCKEY Andy Revkin of the New York Times tells OSBORN

Oct 2004

Jan 2005

time to dump the hockey stick and start over. Revkin: "again, takeaway msg is that mann method can only work if past variability same as variability during period used to calibrate your method. "so it could be correct, but could be very wrong as well.

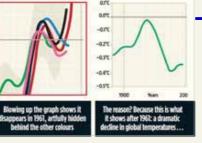
that von Storch ({WIGLEY 24.Apr.2003}) says it's

"by the way, von storch doesn't concur with osborn/briffa on the idea that higher past variability would mean there'd likley be high future variability as well (bigger response to ghg forcing). he simply says it's time to toss hockeystick and start again, doesn't take it further than that." [1096382684.txt]

PROVE HIS SCIENCE JONES: "As you know, I'm not like to see the climate change happen, so the science could be proved right, regardless of the consequences. This isn't being political, it is being selfish." [1120593115.txt]

JONES HOPES FOR

CATASTROPHE JUST TO



CO2 DOES NOT DRIVE TEMPERATURE -- IT IS THE OTHER WAY AROUND: FIRST TEMPERATURE INCREASES THEN CO2 INCREASES

> made sense to worry that carbon dioxide did influence temperature. But by 2003 new data came in and it was clear that carbon lagged behind temperature. ... After temperatures rise, on average it takes 800 years before carbon starts to move [see graph]. The extraordinary thing is that the lag is well accepted by climatologists, yet virtually unknown outside these

"In the 1990's the classic Vostok ice core

graph showed temperature and carbon

in lock step moving at the same time. It

## RUSSIAN INSTITUTE (DEC.2009): HADLEY CENTER PROBABLY TAMPERED DECEMBER 2009: "'Climategate has already affected Russia.... [T]he Moscow-based

Institute of Economic Analysis (IEA) issued a report claiming that the Hadley Center for

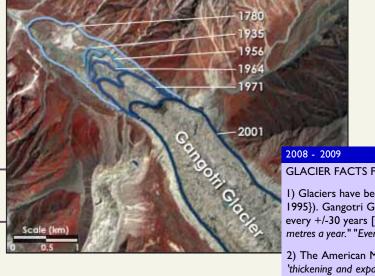
Climate Change ... had probably tampered with Russian-climate data."

"'Analysts say Russian meteorological stations cover most of the country's territory, and that the Hadley Center had used data submitted by only 25% of such stations in its reports. Over 40% of Russian territory was not included in global-temperature calculations..."

"'The data of stations located in areas not listed in the ... UK (HadCRUT) survey often does not show any substantial warming in the late 20th century and the early 21st century." "IEA analysts say climatologists use the data of stations located in large populated centers

"'The IEA said it was necessary to recalculate all global-temperature data in order

global temperature record used by the IPCC to inform world government **policy is a crock...** it has long been suspected that the CRU had been playing especially fast and loose with Russian - more particularly Siberian - temperature records. [See {JONES 31.Mar.2004}]." [75] (See [82] for more.)





2) The American M 'thickening and expa 3) In the eastern H is also to blame for times faster than wa

the IPCC. It is now claimed because ole. However, the CRU e-mails f temperature data [31]). Because ost all of their raw data from hy all 3 datasets are unreliable

Pro-Vice Chancellor of UEA).

DAVIES is Dean of the School of Environmental

ciences, University of East Anglia (he is presently

From 1998 to 2004, JONES and Jean Palutik serve as Co-Directors of the University of East Anglia's CRU. In 2005 JONES becomes sole Director. He is also custodian of the CRU temperature record, the primary data set relied on by the IPCC. [19]

**TEMPERATURE** 220 ~~~ FIRST TEMPERATUR GOES U 210,000 250,000 240,000 230,000 220,000

200,000

Vostok Ice Cores 250,000 - 200,000 years ago

that are influenced by the urban-warming effect more frequently than the correct data of to assess the scale of such exaggeration." [74] "What the Russians are suggesting here, in other words, is that the entire circles." [148]

May 31, 2007 - Nov 15, 2008 Apr 12, 2006 Oct 28, 2009 THE WALL STREET JOURNAL, "CLIMATE OF FEAR: GLOBAL-WARMING ALARMISTS INTIMIDATE A CLIMATOLOGY CONSPIRACY? FRUSTRATE SKEPTICS' PEER REVIEW BIDS: MISSION ACCOMPLISHED DISSENTING SCIENTISTS INTO SILENCE," BY RICHARD LINZDEN, ALFRED P. SLOAN "The CRU e-mails have revealed how the normal conventions of the peer review process PROFESSOR OF ATMOSPHERIC SCIENCE AT MIT: FROM "How to Manufacture a Climate Consensus" by Patrick J. Michaels: appear to have been compromised by a team\* of global warming scientists, with the willing "People who didn't toe Messrs. Wigley, Mann and Jones's line began to cooperation of the editor of the International Journal of Climatology (IJC), Glenn McGregor. The "Scientists who dissent from the alarmism have seen their grant funds disappear, their work derided, and **experience increasing difficulty in publishing their results**. This happened to themselves libeled as industry stooges, scientific hacks or worse...." "Henk Tennekes was dismissed as research team spent nearly a year preparing and publishing a paper that attempted to rebut a me [Patrick J. Michaels] and to the University of Alabama's Roy Spencer, who also director of the Royal Dutch Meteorological Society after questioning the scientific underpinnings of global previously published paper in IJC ... [which] had shown that the IPCC models that predicted hypothesized that global warming is likely to be modest. Others surely stopped warming.... Respected Italian professors Alfonso Sutera and Antonio Speranza disappeared from the debate in significant "global warming" in fact largely disagreed with the observational data." [147] trying, tiring of summary rejections of good work by editors scared of the 1991, apparently losing climate-research funding for raising questions...." "And then there are the peculiar standards in place in scientific journals for articles submitted by those who raise questions about accepted climate FROM "More evidence of gatekeeping" by Bishop Hill: "It is exactly as we feared. wisdom. At Science and Nature, such papers are commonly refused without review.... However, even when such Aug 3, 2007 Aug 5, 2009 If I [Arthur Rorsch] were to submit an article from a friendly colleague who wanted to papers are published, standards shift. When I, with some colleagues at NASA, attempted to determine how clouds OPERATION NEW SCIENTIST MAGAZINE publish in a scientific journal, we would always get a rejection; without proper behave under varying temperatures, we discovered what we called an 'Iris Effect' ... Normally, criticism of papers ENSURING FAVORABLE REVIEWS argumentation. I was not the only Dutch researcher that happened to. Climate skeptics appears in the form of letters to the journal to which the original authors can respond immediately. However, in The British magazine New Scientist readies two editorials critical of the IPCC. JONES and FOSTER (copies to TRENBERTH, MANN, SALINGER, SCHMIDT, and everywhere ran into brick walls." [85] this case (and others) a flurry of hastily prepared papers appeared, claiming errors in our study, with our Within days, EYSTEIN JANSEN (coordinating lead author (CLA) of the responses delayed months and longer. The delay permitted our paper to be commonly referred to as 'discredited.' others) discuss FOSTER'S recommendations for reviewers the Journal of Geophysical JONES: "You are probably aware of this, but the journal Sonja edits [Energy & paleoclimate chapter in 2007 IPCC Report) gets pre-publication copies, and e-Research requires for a paper he's submitted. They recommend colleagues who NAL Indeed, there is a strange reluctance to actually find out how climate really behaves." [98] Environment] is at the very bottom of almost all climate scientists lists of journals to read. mails RICHARD DOMERVILLE, inviting the other CLA's to join a campaign "know the sorts of things to say," despite JGR's rules (actually quoted in the e-mail) It is the journal of choice of climate change skeptics and even here they prohibit this. See {WEGMAN REPORT 14.Jul.2006}. don't seem to be bothering with journals at all recently." [1256765544.txt] FOSTER: "3) Suggested Reviewers to Include JANSEN: "My suggestion is that a strongly worded letter to New Scientist, signed by as many CLAs as possible, would be an appropriate response. I think we ought to say that Nov 15, 2005 "Please list the names of 5 experts who are knowledgeable in your area and could give an the science was absolutely not compromised or watered down by the review process or GEOPHYSICAL RESEARCH LETTERS ... MISSION ACCOMPLISHED unbiased review of your work. Please do not list colleagues who are close by political presure of any kind or by the Paris plenary." [1173359793.txt] associates, collaborators, or family members (this requires name, email, and institution).' Oct 12, 2009 MANN confirms to JONES, BRIFFA, OSBORN that the GRL "leak has been plugged," but in an earlier It seems the CLA campaign works as two months later New Scientist publishes "Tom Wigley [1] wigley @xxxxxxxxxxxx NCAR e-mail the same day notes that they have a problem with the U.S. Climate Change Science Program another article, about which MANN tells JONES: "New Scientist was good. Gavin "Ben Santer [2] < santer I @xxxxxxxxxxxx Lawrence Livermore because it allowed MCINTYRE to prominently display a poster at their recent meeting. TRENBERTH: WHERE THE HECK IS GLOBAL WARMING? and I both had some input into that. They are nicely dismissive of the contrarians on "Mike Wallace [3]<wallace@xxxxxxxxxxxxx U Washington ... just about every point, including the HS!" [1179416790.txt] MANN: "I suspect that this is the first in a line of attacks (I'm sure Tom C is next in line) that will ultimately get "Dave Thompson [4] < davet@xxxxxxxxxxxxx Col State Univ TRENBERTH discusses the BBC's October 9 article, and not only 'published' one way or another. The GRL leak may have been plugged up now wl new editorial "Dave Easterling [5] < David. Easterling @xxxxxxxxxxxxxxx NCDC" confirms warming has stopped for 10-12 years [see {|ONES 5.Jul.2005} en this leadership there, but these guys always have 'Climate Research' and 'Energy and Environment', and will go and {KELLY 26.OCT.2008}], but that this was not predicted by any of the IONES: "Agree with Kevin that Tom Karl has too much to do. Tom Wigley is semi retired and there if necessary. They are telegraphing quite clearly where they are going w/ all of this." [1132094873.txt] models. His explanation for the failure: The data are wrong: like Mike Wallace may not be responsive to requests from JGR. We have Ben Santer in Mar 19, 2009 t afford TRENBERTH: "Well I have my own article on where the heck is global common! Dave Thompson is a good suggestion. I'd go for one of Tom Peterson or Dave THREATEN ROYAL METEOROLOGICAL SOCIETY Easterling. To get a spread, I'd go with 3 US, One Australian and one in Europe. So Neville warming? We are asking that here in Boulder where we have broken records Nicholls and David Parker. All of them know the sorts of things to say - about our Having dealt with Climate Research and Geophysical Research Letters, the past two days for the coldest days on record.... The high the last 2 days was JONES: DISCREDIT WORK IONES and SANTER turn to Weather, a journal of the Royal comment and the awful original, without any prompting." [1249503274.txt] below 30F and the normal is 69F, and it smashed the previous records for these USING REALCLIMATE.ORG Meteorological Society, because SANTER is opposed to disclosing all MANN: USE REALCLIMATE.ORG TO COMBAT "DISINFORMATION" days by IOF.... This is January [winter] weather [in early autumn]." his data [1237496573.txt]: IONES: "I'd like to prove that it MANN: "I've already given it a good go-over w/ Gavin, Stefan, and William "The fact is that we can't account for the lack of warming at the [Figure 7.1c (by CRU founder JONES: "I'm having a dispute with the new editor of Weather. I've Connelley (our internal "peer review" process at RC), so I think its in pretty good moment and it is a travesty that we can't. The CERES data ... shows there LAMB) in the 1990 IPCC report shape." [1139504822.txt] complained about him to the RMS Chief Exec. If I don't get him to should be even more warming: but the data are surely wrong. Our showing the MWP and LIA] is a back down, I won't be sending any more papers to any RMS observing system is inadequate." [1255352257.txt] schematic and it isn't based on real MANN: "Anyway, I wanted you guys to know that you're free to use journals and I'll be resigning from the RMS." data..." "What we'd like to do is RC in any way you think would be helpful. Gavin and I are going to be This is the kind of bankrupt logic and blind faith we now see MANN: MCINTYRE NOT TO BE TRUSTED; EVEN PEER REVIEWED show this either on 'Real Climate' or careful about what comments we screen through, and we'll be very careful to SANTER: "If the RMS is going to require authors to make ALL data masquerading as rational science. WORK WILL ONLY BE PUBLISHED IN "DISCREDITED" JOURNAL as background in a future paper, available - raw data PLUS results from all intermediate answer any questions that come up to any extent we can. On the other hand, Are we to believe that temperature data collected by 30-year old or both." [1168022320.txt] calculations - I will not submit any further papers to RMS journals." you might want to visit the thread and post replies yourself. We can hold MANN to Revkin (NY TIMES): "[M]ore likely he [McIntyre] won't submit instruments in the 1980s, upon which the Anthropogenic Global EY, Amy comments up in the queue and contact you about whether or not for peer-reviewed scrutiny, or if it does get his criticism 'published' it will be in Warming enterprise was based, is more reliable than that collected by you think they should be screened through or not, and if so, any the discredited contrarian home journal 'Energy and Environment." "A billions of dollars worth of new land, oceanic, air and space instruments comments you'd like us to include. necessary though not in general sufficient condition for taking a scientific (i.e. the "observing system") because their data does not show warming? criticism seriously is that it has passed through the legitimate scientific peer BRIFFA: ARBITRARY DATA MODIFICATIONS IN MANN'S ANALYSIS MAKE Are we to believe that after decades of technological advancement, our "You're also welcome to do a followup guest post, etc. think of RC as a resource review process. [T]hose such as McIntyre who operate almost that is at your disposal to combat any disinformation put forward by the **RELATIONSHIPS TO CO2 "ARGUABLE"** temperature readings now are less reliable than those of yore? entirely outside of this system are not to be trusted." McIntyres of the world. Just let us know. We'll use our best discretion to make [1254259645.txt] Alternatively, and more likely, the entire CO2/man-made global warming, BRIFFA: "Another serious issue to be considered relates to the fact that the PCI time series in sure the skeptics dont'get to use the RC comments as a megaphone." the Mann et al. analysis was adjusted to reduce the positive slope in the last 150 or AGW, theory is wrong. Science has a rule: "if the theory doesn't fit [1139521913.txt] years ... At this point, it is fair to say that this adjustment was arbitrary and the the data, get another theory!" link between Bristlecone pine growth and CO2 is , at the very least, arguable..." "I still believe the 'Western US' series and its interpretation in terms of Hemispheric mean temperature is perhaps a 'Pandora's box' that we might open at our peril!" [1163715685.txt] HOW TO HIDE COOLING: BURY IT IN THE SOFTWARE WIGLEY: BRIFFA IS IN A MESS OVER YAMAL [HARRY\_READ\_ME.TXT (expletives partially deleted)] (Date from data4sweden.pro's last edit.) Immediately after the Yamal issue breaks, WIGLEY admits BRIFFA is going to have a s. officially This file appears to be a CRU programmer's three year journal of his efforts to try and recreate CRU's own results produced by "Plotting programs such as [data4sweden.pro] print this reminder to the user prior the IPCC tough time explaining his way out of it: BRIFFA used only 12 software written by MITCHELL. Despite having access to all the data, CRU's code, and the people who developed it and the models, ergy & tree rings after 1990 WIGLEY: "But Keith does seem to have got himself into a mess." "[H]ow does the programmer, identified only as "Harry," could not. Reproducibility is the backbone of peer reviewed science. CRU's peer articularly and just 1 freak tree "IMPORTANT NOTE: The data after 1960 should not be used. The tree-ring reviewed papers and those of countless others dependent on them are based on results the CRU can not duplicate. From Botch After Keith explain the McIntyre plot that compares Yamal-12 with Yamal-all? And density records tend to show a decline after 1960 relative to the summer how does he explain the apparent 'selection' of the less well-replicated Botch After Botch [21], Climategate: hide the decline - codified [23]. temperature in many high-latitude locations. In this data set this "decline" chronology rather that the later (better replicated) chronology?... Perhaps these has been artificially removed in an ad-hoc way, and this means that "These presumably precise data are the backbone of climate science. Reading 'HARRY\_READ\_ME.txt' it's clear the CRU's files were a mess. The orts that things can be explained clearly and concisely – but I am not sure Keith [Briffa] is able to do programmer laments huge gaps in data, bug-filled programs and worries about all the guesswork he's doing. His comments suggest the problems go data after 1960 no longer represent tree-ring density variations, but this as he is too close to the issue and probably quite pissed of [sic]. have been modified to look more like the observed temperatures.' back years. The CRU at East Anglia University is considered by many as the world's leading climate research agency " [21] usions. "And the issue of with-holding data is still a hot potato, one that affects both thods used · Back to the gridding. I am seriously worried that our flagship gridded data product is produced by Delaunay triangulation - apparently "Others, such as mxdgrid2ascii.pro, issue this warning: you and Keith (and Mann). Yes, there are reasons -- but many \*good\* scientists appear linear as well. As far as I can see, this renders the station counts totally meaningless. It also means that we cannot say exactly how to be unsympathetic to these. The trouble here is that with-holding data looks like hiding fully "NOTE: recent decline in tree-ring density has been ARTIFICIALLY REMOVED to the gridded data is arrived at from a statistical perspective ... Of course, it's too late for me to fix it too. Meh. something, and hiding means (in some eyes) that it is bogus science that is being hidden. facilitate calibration. THEREFORE, post-1960 values will be much closer to · But what are all those monthly files? DON'T KNOW, UNDOCUMENTED. Wherever I look, there are data files, no info about what they are other observed temperatures then (sic) they should be which will incorrectly imply I think Keith needs to be very, very careful in how he handles this. I'd be willing er IPCC than their names. And that's useless the reconstruction is more skilful than it actually is. See Osborn et al. anything he puts together." [1254756944.txt] It's botch after botch after botch ... This surely is the worst project I've ever attempted. Eeeek. ichael 1000 1500 (2004)...." [22] • Oh, GOD, if I could start this project again and actually argue the case for junking the inherited program suite PCC s of the • ... this should all have been rewritten from scratch a year ago! MCINTYRE EXPOSES BRIFFA'S YAMAL · Well, dtr2cld is not the world's most complicated program. Wheras cloudreg is, and I immediately found a mistake! ... a loop that, for completely MANN ON YAMAL: IT ISN'T ABOUT TRUTH unfathomable reasons, didn't include months! After trying for 3 years, MCINTYRE finally obtains, by luck, • Am I the first person to attempt to get the CRU databases in working order?!! MANN to JONES: "As we all know, this isn't about the Yamal tree ring measurement data used by BRIFFA (see Feb 16, 2006 · As far as I can see, this renders the (weather) station counts totally meaningless.... COBAR AIRPORT AWS (data from an Australian truth at all, its about blausibly deniable {BRIFFA 2000}). [45] He discovers BRIFFA only used 12 BRIFFA AGAIN WORRIED ABOUT HOW TO HIDE COOLING: ONLY weather station) cannot start in 1962, it didn't open until 1993!... Getting seriously fed up with the state of the Australian accusations." [1256735067.txt] cores. Furthermore, he finds that only one freak tree of the 12 **EXAGGERATIONS USE DATA SHOWING WARMING** data. so many new stations have been introduced, so many false references.. so many changes that aren't documented. created the hockey stick! If that tree is removed from the The rest of the databases seem to be in nearly as poor a state as Australia was.... Aarrggghhh! There truly is no end in sight BRIFFA and OVERPECK, lead authors the 2007 IPCC review editor John Mitchell equation, the hockey stick disappears, and when a larger • What the hell is supposed to happen here? Oh yeah -- there is no 'supposed,' I can make it up. So I have : -) Oct 6, 2009 IPCC report, discuss the draft. BRIFFA is admits the reason they don't include sample is used -- the 34 cores in the Schweingruber Yamal You can't imagine what this has cost me – to actually allow the operator to assign false WMO (World Meteorological JONES: CRU TEMPERATURE DATA IS BETTER THAN THE NASA GISS DATA proxy data for recent decades is dataset -- the result is cooling, as shown in the graph. [26] worried about overstatements Organization) codes!! But what else is there in such situations? Especially when dealing with a 'Master' database of dubious provenance ... [1140067691.txt] [1158175939.txt] because they don't show warming: IONES tells WIGLEY why he believes UK's CRU temperature record and data are more • So with a somewhat cynical shrug, I added the nuclear option -- to match every WMO possible, and turn the rest into new stations ... In other words what CRU usually do. It will allow bad databases to pass unnoticed, and good databases to become bad... accurate than HANSEN'S GISS record at NASA. MITCHELL: "There needs to be a clear "[BRIFFA] urged caution, warning that when it came • OH F\*\*K THIS. It's Sunday evening, I've worked all weekend, and just when I thought it was done, I'm hitting yet another problem that's to historical climate records, there was no new data, statement of why the instrumental and As explained on wattsupwiththat.com: "Many of [JONES'] points about problems with the NASA based on the hopeless state of our databases. only the 'same old evidence' that had been around proxy data are shown on the same GISS products we've covered here on WUWT and at Climate Audit." "Here's the thing, we've seen the • This whole project is SUCH A MESS. No wonder I needed therapy!! ... I am seriously close to giving up, again. for years." "Let us not try to over-egg the pudding,' he graph. The issue of why we don't problems with CRU's temperature series in the code already. If Dr. Jones is aware of those problems, and • Decided to read [Tim] Mitchell & Jones 2005 [International Journal of Climatology] again. Noticed that the limit for SD when wrote in an email to an IPCC colleague...." ""[T]here show the proxy data for the last he thinks GISS is inferior, well then, wow, just how bad is GISS?" [30] (Also see [50].) anomalising should be 4 for precip, not 3! So re-ran with that ... got a mail from PJ [JONES] to say we shouldn't be excluding stations have been many different techniques used to few decades ( they don't show inside 8km anyway - yet that's in IJC [International Journal of Climatology] - Mitchell & Jones 2005! So there you go. aggregate and scale data - but the efficacy of these is continued warming) but assume JONES: "GISS is inferior - not just because it doesn't use back data. They also impose some · Right, time to stop pussyfooting around the niceties of Tim's [MITCHELL] labyrinthine software suites - let's have a go at still far from established. But when the 'warmest for that they are valid for early warm urbanization adjustment which is based on population/night lights which I don't think is very good. Their producing CRU TS 3.0! since failing to do that will be the definitive failure of the entire project. JONES: I'M NOT TO DELETE E-MAILS; 1,300 years' claim was published in 2007 in the gridding also smooths things out. Plotting all three together for land only though they look similar at periods needs to be explained." FOI COMMISSIONER: FOI DOESN'T APPLY TO IPCC decadal timescales. GISS does have less year-to-year variability - when I last looked." [1254850534.txt] IPCC's fourth report, the doubters kept silent." [60] [1150923423.txt] "And based on stuff like this, politicians are going to blow up our economy and lower our standard of living to 'fix' the climate? Are they insane?" [21] JONES: "Haven't got a reply from the FOI person here at UEA. So I'm not entirely confident the numbers are correct. One way of checking would be to look on CA, but I'm not doing that. I did get an email from the FOI person here early yesterday to tell me I shouldn't be deleting emails unles this was 'normal' Jun 19, 2007 deleting to keep emails manageable! McIntyre hasn' paid his £10, so nothing looks AVE A BIAS FOR DATA THAT JONES CONVINCES HIS UNIVERSITY TO IGNORE FOI REQUESTS likely to happen re his Data Protection Act email. Anyway requests have been of three AND KEEP MUM ABOUT FREEDOM types - observational data, paleo dat and who made IPCC changes and why. Keith JONES advises KARL he may have convinced UEA to ignore FOI requests FIRST FOI REQUEST TO CRU FOR AR4 INFO JONES: UEA IS ON BOARD TO IGNORE FOI REQUESTS FROM MCINTYRE has got all the latter - and there have been at least 4. We made Susan aware of these from MCINTYRE (i.e. people with climateaudit.org (CA)) and that others - all came fro David Holland. According to the FOI Commissioner's Office, IONES: I DELETED LOADS OF E-MAILS 2 MONTHS AGO Il onside. He said that PCIs produce in Australia are doing the same. They have cause to be fearful: MCINTYRE David Holland, an engineer seeking information IPCC is a international organization, so is above any national FOI. Even in for a lot of stick. Leave it to you to delete as discredited MANN'S hockey stick graph and later found errors forcing on how authors, reviewers and editors of AR4 JONES: "When the FOI requests began here, the FOI person said we had to abide by the if UEA hold anything about IPCC, we are not obliged to pass it on, unless HANSEN to revise NASA's GISS temperature record. (the IPCC 2007 report) discharge their duties, requests. It took a couple of half hour sessions - one at a screen, to convince it has anything to do with our core business - and it doesn't!" [1228922050.txt] them otherwise showing them what CA [climateaudit.org] was all about. Once submits an FOI request to CRU (whose JONES: "I. Think I've managed to persuade UEA to ignore all further ouple of people to release the CRU BRIFFA and OSBORN were lead authors of the they became aware of the types of people [McIntyre] we were dealing with, **everyone at** n't any of you three tell anybody that FOIA requests if the people have anything to do with Climate Audit." report). This proceeds as follows: May 6 - CRU UEA (in the registry and in the Environmental Sciences school - the head of rmation Act!" [1109021312.txt] "2. Had an email from **David Jones of BMRC**, **Melbourne**. **He said they** Acknowledgement; June 3: CRU Refusal school and a few others) became very supportive. I've got to know the FOI "GLOBAL WARMING ATE MY DATA" **are ignoring anybody who has dealings with CA**, as there are threads on it about Australian sites." [1182255717.txt] Notice; June 4: Holland Appeal; June 20: CRU person quite well and the Chief Librarian - who deals with appeals... articles explaining that science required was refusing to disclose his methods for Rejection of Appeal. [24] Faced with pressure to release data, the CRU Web site claims CRU no longer "The inadvertent email I sent last month has led to a Data Protection Act request sent by a has the original, only its "value-added version" [29], evoking scorn. certain Canadian [McIntyre], saying that the email maligned his scientific credibility with his thy scientific debate. Instead, **Mr. Mann** peers! If he pays 10 pounds (which he hasn't yet) I am supposed to go through my emails "The world's source for global temperature record admits it's lost or destroyed all the refusing to disclose the mathematical and he can get anything I've written about him. About 2 months ago I deleted loads original data that would allow a third party to construct a global temperature record. The JONES sets out the options he was considering with regard to FOI requests d at his conclusions. All the same, Mr. of emails, so have very little - if anything at all." [1228330629.txt] destruction (or loss) of the data comes at a convenient time for the Climatic Research Unit action of some of his initial data, and doubts he was facing (date taken from the file's last edit date): (CRU) in East Anglia - permitting it to snub FolA requests to see the data. since grown. – The Wall Street Journal, 18 JONES: THINK WE CAN AVOID IPCC AR4 FOI REQUESTS "Options appear to be: "The CRU has refused to release the raw weather station data and its processing methods JONES [to "Mike, Ray, Caspar"]: "2. You can delete this for inspection - except to hand-picked academics - for several years. Instead, it releases a "I. Send them the data and McIntyre says is Mann's resistance or attachment if you want. Keep this quiet also, but this is the person processed version, in gridded form. NASA maintains its own (GISSTEMP), but the CRU JONES: EVERYONE DELETE E-MAILS RELATED TO IPCC AR4 "2. Send them a subset removing station data from some of the countries ing minds his data, all details of his statistical Global Climate Dataset, is the most cited surface temperature record by the UN IPCC. So who is putting in FOI requests for all emails Keith [BRIFFA] and Tim who made us pay in the normals papers of Hulme et al. (1990s) and also nat I say to Dr. Mann and others expressing [OSBORN] have written and received re Ch 6 of AR4 [IPCC 2007]. In an e-mail regarding "IPCC & FOI", JONES instructs MANN to delete e-mails any errors in CRU cascade around the world, and become part of 'the science.'" [28] any number that David can remember. This should also omit some other e up your data, methods and code freely and We think we've found a way around this." [1210367056.txt]: related to the IPCC AR4 (2007). GENE, KEITH and CASPAR are to do the countries like (Australia, NZ, Canada, Antarctica). Also could extract some of the Vranes, Science Policy, 18 February 2005" same. JONES' request is *after* the formal FOI request of May 5, 2008 and sources that Anders added in (31-38 source codes in J&M 2003). Also should remove discussions with UEA's FOI officer on May 9, 2008. hat definition [of science], and those many of the early stations that we coded up in the 1980s. Nov 12, 2008 JONES: UK CLIMATE INSTITUTIONS COORDINATING RESISTANCE TO FOI r arguments are not making a scientific JONES: "Mike, Can you delete any emails you may have had with Keith re "3. Send them the raw data as is, by reconstructing it from [NASA's GISS' REQUESTS USING EXCEPTIONS ADVISED BY INFORMATION COMMISSIONER SANTER: I'LL QUIT IF LLNL FORCES ME TO DISCLOSE s states 'You can prove anything if you can dataset known as] GHCN. How could this be done? Replace all stations where AR4? Keith will do likewise. He's not in at the moment - minor family crisis. another Pournelle's Law: 'You can prove Can you also email Gene and get him to do the same? I don't have his new JONES: Keith/Tim still getting FOI requests as well as MOHC and Reading. All our FOI officers the WMO ID agrees with what is in GHCN. **This would be the raw data**, but it SANTER at Lawrence Livermore National Laboratory says algorithms secret.' – Jerry Pournelle, 18 email address. We will be getting Caspar to do likewise." would annoy them." [jones-foiathoughts.doc] have been in discussions and are now using the same exceptions not to respond he will refuse information requests from MCINTYRE and advice they got from the Information Commissioner.... The FOI line we're all using is reviewing how to avoid FOI requests. A few days later MANN: "I'll contact Gene about this ASAP. His new email is: is this. IPCC is exempt from any countries FOI - the skeptics have been told this. Even he says he'll leave LLNL if the management does not generwahl@xxxxxxxxxxx" [1212063122.txt] though we (MOHC, CRU/UEA) possibly hold relevant info the IPCC is not part our remit (mission support him in this. statement, aims etc) therefore we don't have an obligation to pass it on." [1219239172.txt] ANTHONY WATTS COMMENCES HIS USHCN SURFACE STATIONS SURVEY: SANTER: "I will continue to refuse such data requests in the BY 2009, 650 VOLUNTEERS JOIN THE PROJECT future. Nor will I provide McIntyre with computer programs. email correspondence, etc.... I will be consulting LLNL's Legal The project aims to photographically survey all 1,221 USHCN weather stations that are used for the Affairs Office in order to determine how the DOE and LLNL WIGLEY: IT WOULD BE GOOD TO REMOVE PART OF THE 1940 US temperature record, the world's most "accurate." By spring 2009 over 70% of the network has been WIGLEY: SINCE 1980 LAND WARMING DOUBLE THAT OF OCEAN should respond to any FOI requests that we receive from surveyed, and "89 percent of the stations ... fail to meet the National Weather Service's own siting requirements McIntyre. I assume that such requests will be forthcoming...." that stations must be 30 meters ... or more away from an artificial heating or radiating/reflecting heat source." "[T] After 1940, the Earth cooled though CO2 went up -- in contradiction of WIGLEY: "We probably need to say more about this. Land warming since 1980 [1226500291.txt] "I hope LLNL management will provide me he raw temperature data produced by the USHCN stations [used by GISS, CRU, NSDC, IPPC, and others] are not AGW theory. 1940 has now been a thorn for 11 years (see {CRU has been twice the ocean warming -- and skeptics might claim that this with their full support. If they do not, I'm fully prepared to seek sufficiently accurate to use in scientific studies or as a basis for public policy decisions...." "The data currently used to SOFTWARE 7.Sep. 1998}). WIGLEY: "It would be good to remove at least part proves that urban warming is real and important." [1257546975.txt] employment elsewhere." [1228330629.txt]. claim that the twentieth century witnessed a statistically significant warming trend are unreliable." [132] of the 1940s blip, but we are still left with 'why the blip.'" [1254108338.txt] Jul 2006 Apr 2007 Jul 2007 Oct 2007 Jul 2008 Jul 2009 Oct 2009 Jan 2010 Oct 2005 Jan 2006 Apr 2006 Oct 2006 Jan 2007 Jan 2008 Apr 2008 Oct 2008 Jan 2009 Apr 2009 TIMESONLINE.CO.UK: WORLD MISLED OVER HIMALAYAN GLACIER MELTDOWN [174:1] Dec 7, 2009 - Dec 18, 2009 WEGMAN REPORT: MCINTYRE AND MCKITRICK RIGHT, MANN WRONG IPCC COPENHAGEN CONFERENCE FOURTH IPCC ASSESSMENT REPORT (AR4) AND MCINTYRE DISCOVERS ERRORS IN GISS DATASET, HANSEN ADMITS BBC: WHAT HAPPENED TO GLOBAL WARMING? 1930s WERE U.S.A's. HOTTEST YEARS IN 20TH CENTURY THE IPCC'S "4,000 SCIENTISTS" "For the last 11 years we have not observed any increase in global "Dr. [Edward] Wegman [see [41]] is a professor at the Center for Computational temperatures. And our climate models did not forecast it, even though Statistics at George Mason University, chair of the National Academy of Sciences' Dr. William Schlesinger: Approximately 80% of IPCC MCINTYRE discovers errors in the GISS data forcing HANSEN "to publish man-made carbon dioxide, the gas thought to be responsible for TIMESONLINE.CO.UK: UK MET OFFICE TO COMMENCE 3 YEAR PROJECT TO Committee on Applied and Theoretical Statistics, and board member of the American revised figures for US surface temperatures to show that the hottest years of the scientists do not deal with climate. [84] 20th century were not in the 1990s, as Hansen had claimed, but in the 1930s warming our planet, has continued to rise." [42] RE-EXAMINE 160 YEARS OF CLIMATE DATA Statistical Association. Few statisticians in the world have CVs to rival his..." "Wegman THE NATIONAL POST, "NUMBERS RACKET," BY olved in the global-warming debate after the energy and commerce con before the record CO2 emissions of the post-war economic boom]... [NOTE: This requires the original raw data, which the CRU claims to have destroyed.] LAWRENCE SOLOMON of the U.S. House of Representatives asked him to assess one of the hottest debates in the "Steve McIntyre, a Canadian computer analyst, had noticed that Hansen had global-warming controversy: the statistical validity of work by Michael Mann.... "The Met Office plans to re-examine 160 years of temperature data after admitting that public "This is the conclusion of 4,000 scientists appointed by been adjusting his pre-1970 global temperature figures downwards by as much as ADMISSION: THE SUN AND/OR EL-NINO DRIVE CLIMATE confidence in the science on man-made global warming has been shattered by leaked e-mails. governments from virtually every country in the world,' 0.5 degrees, and his post-1970 figures upwards. Further doubts about the "Wegman accepted the energy and commerce committee's assignment ... pro The new analysis of the data will take three years, meaning that the Met Office will not asserted Mr. Rudd [Prime Minister of Australia], in making his SCHNEIDER: "As we enter an El Nino year and as soon [sic], as the **bono**. He conducted his third-party review by assembling an expert panel of statisticians, methodology of GISS arose ... when Hansen announced that October 2008 was be able to state with absolute confidence the extent of the warming trend until the end of 2012. case that the planet is in peril....  $sunspots \ get \ over \ their \ temporary--presumed--vacation ...$ the hottest on record - despite widespread evidence of plummeting temperatures. who also agreed to work pro bono. Wegman also consulted outside statisticians, including there will **likely** be another dramatic upward spike like 1992-2000." the Board of the American Statistical Association. At its conclusion, the Wegman review Detailed analysis by McIntyre and Anthony Watts, a US meteorologist, showed "The Met Office database is one of three main sources of temperature data analysis on which "[Australian] John McLean scrutinized the lists that the IPCC [1255550975.txt] entirely vindicated the Canadian critics and repudiated Mann's work." [113] that scores of temperature records from Russia and elsewhere had not been based the UN's main climate change science body relies for its assessment that global warming is a used to arrive at its figures and found them to be riddled with on October readings. GISS revised its figures once more, explaining that the serious danger to the world. This assessment is the basis for next week's climate change talks in duplications, such as the 383 authors who also acted as Note the conditional "likely," meaning no spike is also possible. THE COMMITTEE'S FINDINGS (SUMMARIZED): Russian data had been obtained by another body." [51] reviewers for the same sections in which their work appeared, Copenhagen aimed at cutting CO2 emissions. When it comes to driving temperatures, the Sun is given credit. "In general, we found MBH98 and MBH99 [by Mann et al.] to be somewhat and the authors and reviewers who were listed twice or thrice. obscure and incomplete and the criticisms of MM03/05a/05b [McIntyre and "The Government is attempting to stop the Met Office from carrying out the re-Remove the duplications and the total number of authors plus McKitrick] to be valid and compelling... examination, arguing that it would be seized upon by climate change sceptics. reviewers drops from 3,750 to 2,890.... "The Met Office works closely with the University of East Anglia's Climatic Research Unit (CRU), WIGLEY: MANY DISHONEST IPCC PRESENTATIONS "In our further exploration of the social network of authorships in temperature "Most importantly, the great majority of the reviewers reconstruction, we found that at least 43 authors have direct ties to Dr. Mann which is being investigated after e-mails written by its director, Phil Jones, appeared to show an commented on chapters that dealt with historical or technical HOW TO HIDE 10 YEARS OF RECENT COOLING: While JONES, MANN, TRENBERTH, KARL, HANSEN, SANTER, attempt to manipulate temperature data and block alternative scientific views. by virtue of coauthored papers with him. Our findings from this analysis issues ... The exception was Chapter 9 - Understanding and DON'T SHOW IT and others discuss the BBC article, WIGLEY rebukes MANN for suggest that authors in the area of paleoclimate studies are closely Attributing Climate Change, An endorsement here would "The Met Office's published data showing a warming trend draws heavily on CRU analysis. producing a deceptive chart, and notes dishonest presentations by connected and thus 'independent studies' may not be as independent as KELLY to JONES: "Just updated my global temperature clearly be a bona fide endorsement of the IPCC's conclusion. CRU supplied all the land temperature data to the Met Office, which added this to its own individual authors and the IPCC. they might appear on the surface.... trend graphic for a public talk and noted that the level has analysis of sea temperature data." [31] "Chapter 9 had 53 authors and it received really been quite stable since 2000 or so and 2008 doesn't WIGLEY: "The Figure you sent is very deceptive. As an example, "It is important to note the isolation of the paleoclimate community: even comments from 55 individual reviewers. Of the 55 look too hot." Later: "Yeah, it wasn't so much 1998 and all historical runs with PCM look as though they match observations - but though they rely heavily on statistical methods they do not seem to be individuals, four commented favourably on the that that I was concerned about, used to dealing with that, the match is a fluke. PCM has no indirect aerosol forcing and a low interacting with the statistical community. Additionally, we judge that the sharing of entire chapter and three on a portion of the CRU DOCUMENTS MADE PUBLIC ON THE INTERNET [167:2] climate sensitivity - compensating errors. In my (perhaps too harsh) but the possibility that we might be going through a longer research materials, data and results was haphazardly and grudgingly done. In this case chapter." "The 53 authors and seven favourable 10 year - period of relatively stable temperatures beyond view, there have been a number of dishonest presentations of we judge that there was too much reliance on peer review, which was not reviewers represent a total of 60 people, leading what you might expect from La Nina etc. Anyway, I'll maybe model results by individual authors and by IPCC. This is why I necessarily independent. [See {|ONES 5.Aug.2009} and {|ONES 26.Feb.2004}] McLean to conclude: 'There is only evidence that cut the last few points off the filtered curve before I give the still use results from MAGICC to compare with observed temperatures. At UEA DENIES MCINTYRE'S FOI REQUEST Moreover, the work has been sufficiently politicized that this community can hardly about 60 people explicitly supported the claim' least here I can assess how sensitive matches are to sensitivity and forcing talk again as that's trending down as a result of the end reassess their public positions without losing credibility. **Overall, our committee** made by the IPCC that global warming represents a ""[T]he Director of Information Services at the University of East Anglia [sends a letter] effects and the recent cold-ish years." [1225026120.txt] assumptions/uncertainties." 1255558867.txt] believes that Mann's assessments that the decade of the 1990s was the threat to the planet." [20] to Steve McIntyre refusing his request for temperature data under the UK's version of hottest decade of the millennium and that 1998 was the hottest year of the the Freedom of Information Act. The timing of the denial, which was a day after the last millennium cannot be supported by his analysis." [40] [52] email in the Climategate files, and the fact that the files were titled FOIA.zip and FOI2009.zip ... provides [sic] a striking indication to the impetus of the leak." [167:3] NASA: PACIFIC NOW IN ITS LONG TERM COOL PHASE ROM NASA GISS, UNEP, AMS AND OTHERS CANADA: POLAR BEAR NUMBERS UP GREATEST ANTARCTICA ICE IN 30 YEARS; ARCTIC ICE RECOVERS en receding since the bottom of the Little Ice Age some 300 years ago (see {MEDIEVAL WARM PERIOD "The latest government survey of polar bears "Where are the headlines? Where are the press releases? Where is all the Pacific switches to the cool phase of the Pacific Decadal lacier image [116] shows its retreat since 1780. Within this 300 year trend, glaciers also advance and retreat roaming the vast Arctic expanses of northern Oscillation. The PDO is a long-term alternation of the attention? "The ice melt across during the Antarctic summer (October-January) CEI FILES NOTICE OF INTENT TO SUE NASA GISS TO COMPLY 117], and are now slowing their retreat: "Gangotri's drawdown - 20 metres per annum in the '70s - is now mere six Quebec, Labrador and southern Baffin Island Pacific between cool and warm periods. Unlike El Niño of 2008-2009 was the lowest ever recorded in the satellite history. Such was the WITH FOI REQUESTS AND RELEASE CLIMATE DOCUMENTS if Gangotri retreats at 20 m per annum, it will last for 1,500 years." [121] (Also see {UN FAO 2001}.) finding reported last week by Marco Tedesco and Andrew Monaghan in the show the population of polar bears has and La Niña, which may occur every 3 to 7 years and Christ Horner, for the Competitive Enterprise Institute, "filed three jumped to 2,100 animals from around 800 in the mid-1980s. last from 6 to 18 months, the PDO can remain in the journal Geophysical Research Letters." [87] leteorological Society reports "glaciers are only shrinking in the eastern Himalayas. Further west ... glaciers are Notices of Intent to File Suit against NASA and its Goddard Institute for Space same phase for 20 to 30 years. The shift in the PDO can And in the Arctic: "Today [February 19, 2009] the National Snow and Ice inding." [118] (Also see {TIMESONLINE 17.Jan.2010} and [121].) And, in fact, are doing so worldwide. [119] Studies (GISS), for those bodies' **refusal - for nearly three years** - to provide have significant implications for global climate. The Pacific "As recently as three years ago, a less official Data Center (NSIDC) admitted that they've underreported Arctic ice extent by documents requested under the Freedom of Information Act." "These documents was in the Oscillation's warm phase during most of imalayas, NASA GISS [120:1] and UNEP [120:2] report that soot from densely populated south Asian cities 193,000 square miles (500,000 sq km). That's the size of 10 states!" 119] count placed the number at 1,400." [83] were requested in January 2007 and NASA/GISS have refused to date to comply the 1980s and 1990s (a time when the Earth was warming: "Soot's role in Himalayan Warming ... Over areas of the Himalayas, the rate of warming is more than five with their legal obligation to produce responsive documents." [73] warming). [108] [107] (Also see {UN FAO 2001}.) rming globally.... There's a localized phenomenon at play." [120:1] [118] "Arctic Sea Ice Extent exceeds 2005 for this date [September 21]." [122]

#### **CLIMATEGATE: 30 YEARS IN THE MAKING**

#### **NOTES AND REFERENCES**

- Printed, the chart's full size is 94" x 34" (two A0 landscape pages). At this size, the text is 9 pt. Smaller sizes can be printed in tile
  format using Adobe Acrobat (full product, not free reader) or downloaded pre-tiled for various page sizes. Murals should be
  printed at 200% size, and will be readable from 3' away.
- On screen, you can zoom in and out, scroll vertically to see a given time period, or horizontally to see a given theme.
- CRU documents are referenced by document name, such as [1120593115.txt] or [HARRY\_READ\_ME.TXT]. These documents can
  be found at the following:

http://www.eastangliaemails.com http://www.climate-gate.org http://johncostella.webs.com

- References in curved brackets { } (e.g., {MCINTYRE AND MCKITRICK 2003}) are to dated event boxes.
- All spelling, punctuation, and grammatical errors in quotations of CRU e-mails are found in the originals.
- All quotations have been italicized. Unless noted, all emphasis within quotes has been added.
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