

Apr 12, 1999 - Sep 22, 1999

SETTING THE STAGE FOR HIGH DRAMA AND INTRIGUE

In "Climategate Part 2 - A 2,000-page epic of science and skepticism," Terence Corcoran explains how BRIFFA and MANN leads over BRIFFA's forthcoming paper, in which he "decided to mention uncertainties in tree-ring data while pushing the need for more work."

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."

"The reference to TSO-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 Yagovon, wrote in a paper saying that the warming in the middle of the 20th century is not extraordinary."

"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 became 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."

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." [1241] His data shows cooling after 1960, while the instrument record shows warming.

"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?"

"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."

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!"

Sep 23, 1999

BRIFFA NOT HAPPY ABOUT CREATING "CONSENSUS" BY EXCLUDING DATA

BRIFFA: "My concern was motivated by the possibility of expressing an impression of more consensus than might actually exist, to suppose the earlier talk implying that we should not muddy the waters by including contradictory evidence worried me."

Oct 27, 1999

ICPC "FIRST ORDER DRAFT" OF 2001 REPORT [54]

JONES: Subject: Diagram for WMFO Statement "The just completed 'first order draft' of the real temps to date series for the last 20 years (ie from 1981 onwards) and from 1961 (for Keith) to hide the decline."

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).

Nov 16, 1999

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

JONES 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.

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 Schweinguber showed "the opposite situation - a very warm 11th century."

Nov 16, 1999

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 35-65 year periodicity" (i.e. approx 30 year warming then cooling) over both short terms (150 years) and long terms (1500 years).

"Warwick Hughes, an Australian scientist, wondered where that '41' came from, so he palkey 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 so invested in the work. Why should I make the data available to you, when your aim is to try and find something wrong with it?'"

Nov 16, 1999

1998 - 2010

STABLE, THEN COOLING, GLOBAL TEMPERATURES DESPITE GREATEST MAN-MADE CO2 EMISSIONS EVER (2009 DATA)

JONES (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."

Nov 16, 1999

THIRD IPCC ASSESSMENT REPORT (TAR): THE HOKEY 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 eliminate them. And this is what was done. [36] [127]

In fact, DENING was actually told that: "We must get rid of the Medieval Warm Period" (see (MEDIEVAL WARM PERIOD 1993)). In (MANN 4 Jun 03), MANN writes: "... address a good earlier point that Peck made w regard to the memo, that it would be nice to try 'contain' the putative 'MWP'..." [105473627.txt]

On March 15, 1999, MANN publishes the hockey stick graph in MBH98. 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."

"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, 1 data set from JONES and 1 from BRIFFA (who is embroiled in his own hockey stick fiasco; see (BRIFFA'S YAMAL 26.Sep.2003)). For an explanation of manipulations in this graph, see [36]; for explanations of other tempering 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 science 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."

1998 - 2010 DAVIES is Dean of the School of Environmental Sciences, University of East Anglia (he is presently Pro-Vice Chancellor of UEA).

From 1998 to 2004, JONES and Jean Palutikof 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]

the IPCC. It is now claimed because both the CRU e-mails and the temperature data [31]. Because most of all their raw data from why all 3 datasets are unreliable.

Feb 2003 - Sep 2009

WIKIPEDIA'S CLIMATE DOCTOR

"[Climate modeler and realclimate.org co-founder William] Connolly 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 was beginning to gel, Connolly 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 he band especially hated, such as Willie Soon and Sallie Baliunas of the Harvard-Smithsonian Center for Astrophysics, and others in the Medieval Warm Period." [109] (Also see [111]).

"Connolly '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

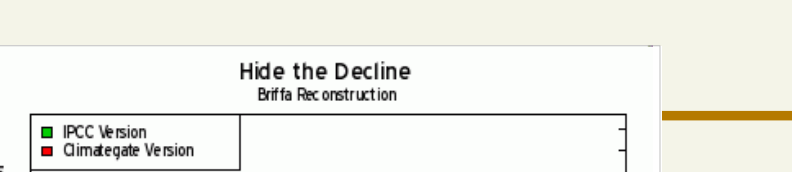
MANN e-mails JONES, HUGHES, BRIFFA, BRADLEY and others explaining how all along, the plan was to insist that those against the AGW theory publish in peer review journals. However, now that Climate Research is publishing their papers, he suggests that he and his colleagues no longer cite papers from it or submit papers to it, while Jones says he'll boycott it 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 of public 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 criticizing the skeptics for not publishing in the 'peer-reviewed literature.' Obviously, they found a solution to that-oke 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've thrown out 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." [104738848.txt]



Apr 23, 2003

SALINGER to WIGLEY, JONES, HULME, BRIFFA, HANSEN, HARVEY, SANTER, TRENBERTH and MCINTYRE: "I have just read your papers 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 greater logic since the IPCC said so because of the hockey team's work], it is not partially the responsibility of climate science to make sure only satisfactory 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!" [105123500.txt]

COOK: "Of course, I agree with you. We both know the probable flaws in Mike's recon, particularly in the 19th century. But this is greater logic since the IPCC said so because of the hockey team's work, it is not partially the responsibility of climate science to make sure only satisfactory 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!" [105123500.txt]

Apr 12, 2002

HOKEY STICK AUTHOR: OUR WORK SHOULD BE CONSIDERED PRELIMINARY AND TREATED WITH CONSIDERABLE CAUTION

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." [101864733.txt]

Nov 2003

MCINTYRE AND MCKITRICK EXPOSE HOKEY 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 and Northern Hemisphere Average Temperature Series." (MM03) in Energy & Environment 19 Apr 1999) and (MCINTYRE AND MCKITRICK Nov.2003) for background on MANN'S work.

BRIFFA: "I have just read this letter - and I think it is crap. I am sick to death of Mann stating his reconstruction represents the tropical area just because it contains a few (poorly temperature representative) tropical series. He is just as capable of regressing these data against any other 'target' series, such as the increasing trend of self-appointed verbiage he has produced over the last few years, and ... better so no more!"

COOK: "I agree with you. We both know the probable flaws in Mike's recon, particularly in the 19th century. But this is greater logic since the IPCC said so because of the hockey team's work, it is not partially the responsibility of climate science to make sure only satisfactory 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!" [105123500.txt]

For a layman's explanation of the MCINTYRE and MCKITRICK paper and how 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 maestro of intrigue the MWP and LIA, see [53]. In 2005, MCINTYRE and MCKITRICK publish more papers (following further disclosures about their work) that "are a definitive resolution of issues first raised in MM03." [57]

2005

JONES: WE'VE GOT 25 YEARS WORK IN THE DATA: WHY SHOULD I GIVE IT? JONES, whose research is publicly funded, claims ownership when asked to disclose his data and methods. From "The Dog Ate Global Warming" by Patrick J. Michaels:

"Warwick Hughes, an Australian scientist, wondered where that '41' came from, so he palkey 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 so invested in the work. Why should I make the data available to you, when your aim is to try and find something wrong with it?'"

"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'..."

"Then the story changed. In June 2009, Georgia Tech's Peter Webster told me that he had read the original raw data, and Jones had given it to a researcher. 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 Mckittrick, an economist at the University of Guelph, asked for the data. He was stunned down, too." [27]

2004

INTERNATIONAL ASTRONOMICAL UNION: WARMING DUE TO SUN; COOLING COMING

"A symposium of the International Astronomical Union (IAU) 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.

2003

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

"In the 1990's the classic Vostok ice core graph showed temperature and carbon in lock step moving at the same time. It 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 circles." [148]

RUSSIAN INSTITUTE (DEC-2009): HADLEY CENTER PROBABLY TAMPERED WITH RUSSIAN CLIMATE DATA

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 tampered with Russian climate data."

Jun 4, 2003

REVIEWING PAPERS CRITICAL OF OWN WORK

COOK asks BRIFFA for help to put down a paper he's reviewing that is critical of BRIFFA'S own work. "Now something to ask from you... I got a paper 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 Tomerkauskas 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 Bos-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." [105475629.txt]

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 editing. 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 'perceived' 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, Bolling, 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.)

Jul 4, 2003

HULME: TERMINATE ALL INVOLVEMENT 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 levels - reviewing, editing, and submitting, and leave it to whither away [sic] into oblivion and despair." [1057941657.txt]

Jun 26, 2004

JONES 'REVIEWS' PAPER DEALING WITH HIS OWN WORK [077829152.txt]

JONES to MIKE: "Just agreed to review a paper for GRL - it is absolute rubbish. It is having a go at the CRU temperature data - not the latest version, but the one you used in MBH98! We added lots of data in the region this person says has Urban Warming! So easy review to do. Sent Ben the Soon et al. paper and he wonders why reviews these sorts of papers. He'd better not give the right person with the one just received."

"Can I ask you something in CONFIDENCE - don't email around, especially not to Keith and Tim here. Have you reviewed any papers recently for Science that say that MBH98 [note that MBH98 is MANN'S own work] and M03 have underestimated variability in the millennial record - from models or from some low-frequency data. Just a yes or no will do. Tim is reviewing them - I want to see if he takes my comments on board, but he wants to be squeaky clean with disavowing them in ways. So forget this email when you reply."

Jun 4, 2003

OVERPECK: CONTAIN THE MWP

MANN confirms DEMING'S 1995 statement. See (MEDIEVAL WARM PERIOD 1995), when he (MANN) refers to an earlier "Peck" memo to "contain" the MWP.

MANN: "... addresses a good earlier point that Peck made w regard to the memo, that it would be nice to try 'contain' the putative 'MWP'..." [105473627.txt]

See (MEDIEVAL WARM PERIOD 1995), (IPCC 1990), and (IPCC 2001) to understand how critically important this admission is.

Jun 5, 2005

CLIMATE IS ARBITRARILY DEFINED AS A 30 YEAR TREND

JONES and PLUMMER discuss the 30-year reference temperature period used by the IPCC. JONES explains that the length was an arbitrary choice which has no scientific basis. PLUMMER doesn't want to change it from the 1961-90 period because global warming won't appear as dramatic.

JONES: "70 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 west Russian lakes (hence periods like 1881-1915). This went to 30 as it was easier to compute. Personally I don't want to change the base period till after I retire!"

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 be less positive than before if we change to newer normals, so the impression of global warming will be muted." [1105019698.txt]

Jun 21, 2005

FIRST CONTACT WITH FOI: THE SCHEMING STARTS

The moment JONES and WIGLEY first became aware of the Freedom of Information Act from a UEA colleague, 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 to 'em? 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..."

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 still employed by UEA. I guess she could claim that she had only written one tenth of the code and release every tenth line."

JONES: "As you 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 IPFR to consider as well. Data is covered by all the agreements we sign with people, so I will be hiding behind them."

Jun 29, 2004

JONES ON DALY'S DEATH: CHEERING NEWS

John Daly had discovered that solar cycles affected temperatures (see (SUN DETERMINED 9.Aug.1996)). Upon his death, JONES writes: "In an odd way this is cheering news." [1075403821.txt]

2004

INTERNATIONAL ASTRONOMICAL UNION: WARMING DUE TO SUN; COOLING COMING

"A symposium of the International Astronomical Union (IAU) 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.

Mar 31, 2004

JONES 'REVIEWS' MORE PAPERS CRITICAL OF HIS OWN WORK

JONES: "Rejected two papers (one for JGR and for GRL) from people saying CRU has it wrong over Siberia. Want to town in both reviews, hopefully successfully. If either appears I will be very surprised, but you never know with GRL." [1080742144.txt]

FROM [85]: "One of those rejected papers about Siberian temperatures may have been by me [Lars Kanna]. The time is about right. I got it rejected because of nonsense from a reviewer and the editor saw it as an attack on him when I criticized the quality of the review. After that, I gave up the idea of ever getting something AGW critical published in a journal."

WIGLEY: "This is truly awful. GRL has gone downhill rapidly recent years. I think the decline began before 2000..."

"Proving bad behavior here is very difficult. If you think, Jones, I is in the greenhouse skeptics camp, then I can find documentary evidence to give him, we could work off official ... channels to get this outed. We would be difficult."

Jun 21, 2005

THREATEN GEOPHYSICAL RESEARCH LETTERS JOURNAL

HUGHES, MANN, WIGLEY, BRADLEY, JONES, BRI and SCHMIDT discuss what to do about the journal Geophysical Research Letters (GRL), which had been publishing their papers they don't like. Its editor James Saiers is subsequently ousted.

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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 [I120593I15.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.
 - Numbered references are below.
-

- [1] "Another Ice Age," *Time*, New York, June 24, 1974
<http://www.time.com/time/magazine/article/0,9171,944914,00.html>
- [2] Noel Sheppard, "150 Years of Global Warming and Cooling at the New York Times," *NewsBusters*, Alexandria, March 26, 2007
<http://newsbusters.org/node/11640>
- [3] Peter Gwynne, "The Cooling World," *Newsweek*, New York, April 28, 1975
http://www.denisdutton.com/cooling_world.htm
- [4] Alex Evens, David Stern, "Climate Change: The State of the Debate," Center on International Cooperation, New York, October 2007.
<http://www.cic.nyu.edu/internationalsecurity/docs/LondonAccordclimatepaper.pdf>
- [5] Tony Gilland, "Digging up the roots of the IPCC," *Spiked*, London, June 28, 2007
<http://www.spiked-online.com/index.php/site/printable/3540/>

- [6] David Burns, "Climate and CO₂," *New York Times*, New York, April 17, 1981
<http://www.ldeo.columbia.edu/edu/eesj/casestudies/globwarm.html>
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