

OUTLINE OF PRESENTATION

CREDENTIALS: Who I am, and how I am qualified to make this presentation.

APPROACH: Focus on scientific evidence relating to climate change. Avoid speculation.

SCIENTIFIC EVIDENCE: What scientific evidence is; and what it is not.

What it is: Observations, experiments, and logical deductions and inductions from these observations and experiments. Publications in peer-reviewed scientific journals. Well-verified formulae and equations.

What it is not: Expert opinion (and why not). Publications in popular press.

DEFINITIONS: Climate, (Handout: [Redding Climate Chart](#)). Climate change, global warming, AGW, solar-forcing, carbon-forcing, orbital-forcing.

THE ATMOSPHERE'S HEAT BUDGET: (Handout: [Heat Budget Table](#)).

TEMPERATURE CHANGE THROUGH THE AGES: Think "*Jurassic Park*". The 102 Pleistocene continental glacial cycles. (Handout: [Vostok & GISP Graphs](#)).

CLIMATE CHANGE SINCE THE LAST ICE AGE: ([Climate Change Since the Last Ice Age](#) and [Annotated Bibliography](#)).

EVIDENCE TO BE EXPLAINED (THE PROBLEM): IPCC Mean Global Land Near-Surface Temperatures from 1906 through 2005 show an increase of 0.9°C (1.4°F). The IPCC attributes this global warming to carbon-forcing.

Ten Minute Intermission

QUESTIONS AND ANSWERS