

September 25, 2015

The Honorable Chris Gibson
U.S. House of Representatives
Washington, DC 20515

Dear Congressman Gibson,

The undersigned scientific organizations applaud the introduction of the House Resolution on environment stewardship, H.Res. 424, and appreciate the effort to bring climate science to the forefront of policy discussions.

We write to offer our expertise on the science underlying these important climate policy discussions. Our professional associations, representing hundreds of thousands of scientists, can be resources on the many aspects of climate science. Many of our societies have issued statements relating to climate change¹ and 18 signed onto the attached 2009 letter on climate change and its impacts.²

We stand ready to offer the assistance of the scientific community.

American Association for the Advancement of Science
American Geophysical Union
American Chemical Society
American Institute of Biological Sciences
American Meteorological Society
American Society of Agronomy
American Statistical Association
Crop Science Society of America
Ecological Society of America
Entomological Society of America
Geological Society of America
Society for Conservation Biology
Soil Science Society of America

CC. Cosponsors of H.Res 424: Ryan Costello, Carlos Curbelo, Robert Dold, Michael Fitzpatrick, Richard L. Hanna, Frank LoBiondo, Patrick Meehan, Ileana Ros-Lehtinen, David Reichert, Elise Stefanik

Contacts: Steve Pierson, American Statistical Association: pierson@amstat.org; Kasey White, Geological Society of America: kwhite@geosociety.org

¹ Links to society statements:

<http://www.acs.org/content/acs/en/policy/publicpolicies/promote/globalclimatechange.html>;
http://sciencepolicy.agu.org/files/2013/07/AGU-Climate-Change-Position-Statement_August-2013.pdf;
http://www.geosociety.org/positions/pos10_climate.pdf, <https://www2.ametsoc.org/ams/index.cfm/about-ams/ams-statements/statements-of-the-ams-in-force/climate-change/>

² <http://www.amstat.org/policy/pdfs/climateletterfinal.pdf>

October 21, 2009

American Association for the
Advancement of Science

American Chemical Society

American Geophysical Union

American Institute of
Biological Sciences

American Meteorological
Society

American Society of
Agronomy

American Society of Plant
Biologists

American Statistical
Association

Association of Ecosystem
Research Centers

Botanical Society of America

Crop Science Society of
America

Ecological Society of America

Natural Science Collections
Alliance

Organization of Biological
Field Stations

Society for Industrial and
Applied Mathematics

Society of Systematic
Biologists

Soil Science Society of
America

University Corporation for
Atmospheric Research

Dear Senator:

As you consider climate change legislation, we, as leaders of scientific organizations, write to state the consensus scientific view.

Observations throughout the world make it clear that climate change is occurring, and rigorous scientific research demonstrates that the greenhouse gases emitted by human activities are the primary driver. These conclusions are based on multiple independent lines of evidence, and contrary assertions are inconsistent with an objective assessment of the vast body of peer-reviewed science. Moreover, there is strong evidence that ongoing climate change will have broad impacts on society, including the global economy and on the environment. For the United States, climate change impacts include sea level rise for coastal states, greater threats of extreme weather events, and increased risk of regional water scarcity, urban heat waves, western wildfires, and the disturbance of biological systems throughout the country. The severity of climate change impacts is expected to increase substantially in the coming decades.¹

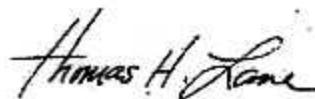
If we are to avoid the most severe impacts of climate change, emissions of greenhouse gases must be dramatically reduced. In addition, adaptation will be necessary to address those impacts that are already unavoidable. Adaptation efforts include improved infrastructure design, more sustainable management of water and other natural resources, modified agricultural practices, and improved emergency responses to storms, floods, fires and heat waves.

We in the scientific community offer our assistance to inform your deliberations as you seek to address the impacts of climate change.

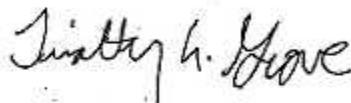
¹ The conclusions in this paragraph reflect the scientific consensus represented by, for example, the Intergovernmental Panel on Climate Change and U.S. Global Change Research Program. Many scientific societies have endorsed these findings in their own statements, including the [American Association for the Advancement of Science](#), [American Chemical Society](#), [American Geophysical Union](#), [American Meteorological Society](#), and [American Statistical Association](#).



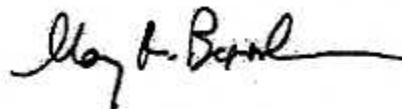
Alan I. Leshner
Executive Director
American Association for the
Advancement of Science



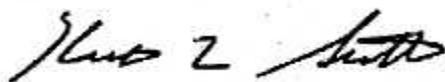
Thomas Lane
President
American Chemical Society



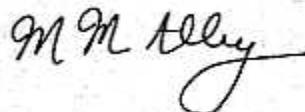
Timothy L. Grove
President
American Geophysical Union



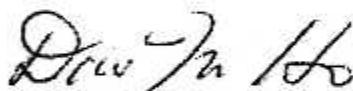
May R. Berenbaum
President
American Institute of Biological
Sciences



Keith Seitter
Executive Director
American Meteorological Society



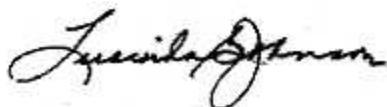
Mark Alley
President
American Society of Agronomy



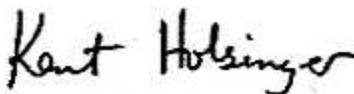
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American Statistical Association



Lucinda Johnson
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Association of Ecosystem Research
Centers



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Richard A. Anthes

Richard A. Anthes
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University Corporation for Atmospheric
Research