

of the Plymouth Marine Laboratory. She described her research on ocean acidification, including using this graph of ocean acidity over the past 25 million years. That is today minus 25 million years, today minus 20 million years, minus 15 million years, minus 10 million years, minus 5 million years, and now.

Look at how little variation there has been in ocean pH across that 25-million-year time scale. Remember, we have been on the planet around 200,000 years. We go back to about here.

The rest of this is geologic time. That is a long span of time. If we put that against what is happening now, look how sudden that change is in ocean pH, the basic acidity of the oceans.

Why is this happening? We know that human activity releases gigatons of carbon every year. That is undeniable. We know that carbon dioxide acidifies seawater. That is basic chemistry. You can do that in a high school lab.

We know the ocean's pH is changing in unprecedented ways in human history. No one in their right mind can say this is natural variability.

This acidification of our seas will have devastating effects on ecosystems such as tropical coral reefs, which, as Dr. Turley pointed out, are home to one in every four species in the marine environment. If you wanted to drive a bulldozer through God's species on this planet, it would be hard to do much better than allowing this rampant ocean acidification.

My colleague and cochair of our Senate Oceans Caucus, Senator LISA MURKOWSKI, and I have had the chance to address the oceans conference together. She told the conference that the waters off her Alaskan shores are growing more acidic.

I agree with Senator MURKOWSKI that we need to understand what ocean acidification means for our fisheries and ocean ecosystems much better than we do now.

Secretary Kerry delivered a clear challenge. On this planet, with all of its many peoples, we share nothing so completely as we share the oceans. And if we are going to honor our duty to protect the oceans, to honor our duty to future generations, we are going to have to work together. These are painfully clear warnings. The facts speak volumes.

The denial propaganda has shown itself to be nonsense, to be a sham, which ought to come as no surprise because the machinery that produces the climate denial propaganda is the same machinery that denied tobacco was dangerous, the same machinery that denied there was an ozone hole, the same machinery that has always fought public health measures for industry, and has always been wrong. It has always been wrong because it is not its job to be right. It is its job to protect industry and allow them to continue to pollute and make money. That is its job. So it ought to come as

no surprise that the argument it makes about climate change is nonsense and is a sham. It is time to unshackle ourselves from that machinery.

History is going to look back at this, and it will not be a shining moment for us. History will reflect that the polluters are polluting our democracy with their money and their influence just as badly as they are polluting our oceans and our atmosphere with their carbon.

We have to wake up. It will disserve our grandchildren and their grandchildren, and it will disgrace our generation to have allowed this democracy to miss this issue and to fail to act because of the propaganda machinery that has over and over again proven itself to be wrong. Our ocean economies, our ocean heritage, are all at stake.

As Secretary Kerry put it, it is our ocean, and it is our responsibility. Let us please wake up before we have completely disgraced ourselves.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

[From the Bloomberg View, June 29, 2014]

CLIMATE CHANGE GOES UNDERWATER  
(By The Editors)

When it comes to climate change, almost all the attention is on the air. What's happening to the water, however, is just as worrying—although for the moment it may be slightly more manageable.

Here's the problem in a nutshell: As the oceans absorb about a quarter of the carbon dioxide released by fossil-fuel burning, the pH level in the underwater world is falling, creating the marine version of climate change. Ocean acidification is rising at its fastest pace in 300 million years, according to scientists.

The most obvious effects have been on oysters, clams, coral and other sea-dwelling creatures with hard parts, because more acidic water contains less of the calcium carbonate essential for shell- and skeleton-building. But there are also implications for the land-based creatures known as humans.

It's not just the Pacific oyster farmers who are finding high pH levels make it hard for larvae to form, or the clam fishermen in Maine who discover that the clams on the bottom of their buckets can be crushed by the weight of a full load, or even the 123.3 million Americans who live near or on the coasts. Oceans cover more than two-thirds of the earth, and changes to the marine ecosystem will have profound effects on the planet.

Stopping acidification, like stopping climate change, requires first and foremost a worldwide reduction in greenhouse-gas emissions. That's the bad news. Coming to an international agreement about the best way to do that is hard.

Unlike with climate change, however, local action can make a real difference against acidification. This is because in many coastal regions where shellfish and coral reefs are at risk, an already bad situation is being made worse by localized air and water pollution, such as acid rain from coal-burning; effluent from big farms, pulp mills and sewage systems; and storm runoff from urban pavement. This means that existing anti-pollution laws can address some of the problem.

States have the authority under the U.S. Clean Water Act, for instance, to set standards for water quality, and they can use that

authority to strengthen local limits on the kinds of pollution that most contribute to acidification hot spots. Coastal states and cities can also maximize the amount of land covered in vegetation (rather than asphalt or concrete), so that when it rains the water filters through soil and doesn't easily wash urban pollution into the sea. States can also qualify for federal funding for acidification research in their estuaries.

Such research can hardly happen fast enough. It's still not known, for instance, exactly to what extent acidification is to blame for the decline of coral reefs. And if the chemical change in the ocean makes it harder for sea snails and other pteropods to survive, will that also threaten the wild salmon and other big fish that eat them?

Better monitoring of acidification would help scientists learn how much it varies from place to place and what makes the difference. This calls for continuous readings, because pH levels shift throughout the day and from season to season. Engineers are designing new measuring devices that can be left in the water, and it looks like monitoring will eventually be done in a standardized way throughout the world.

In the meantime, researchers are finding small ways to give local populations of shellfish their best chance to survive—depositing crushed shells in the mudflats where clams live, for instance, to neutralize the sediment, or planting sea grass in shellfish habitats to absorb CO<sub>2</sub>. Such strategies, like pollution control, are worthwhile if only to help keep shellfish populations as robust as possible in the short term, perhaps giving natural selection the opportunity to breed strains better suited to a lower-pH world.

These efforts also give humans more time to learn about ocean acidification. And maybe they will help their political leaders better understand the urgency of international cooperation on limiting greenhouse gas emissions.

Mr. WHITEHOUSE. I yield the floor and I suggest the absence of a quorum. The PRESIDING OFFICER. The clerk will call the roll.

The assistant legislative clerk proceeded to call the roll.

Mr. REID. Mr. President, I ask unanimous consent that the order for the quorum call be rescinded.

The PRESIDING OFFICER. Without objection, it is so ordered.

EXECUTIVE SESSION

NOMINATION OF NORMAN C. BAY TO BE A MEMBER OF THE FEDERAL ENERGY REGULATORY COMMISSION

Mr. REID. Mr. President, I move to proceed to executive session to consider Calendar No. 839.

The PRESIDING OFFICER. The question is on agreeing to the motion.

The motion was agreed to.

The PRESIDING OFFICER. The clerk will report the nomination.

The assistant bill clerk read the nomination of Norman C. Bay, of New Mexico, to be a Member of the Federal Energy Regulatory Commission.

CLOTURE MOTION

Mr. REID. Mr. President, there is a cloture motion at the desk.

The PRESIDING OFFICER. The cloture motion having been presented

under rule XXII, the Chair directs the clerk to report the motion.

The assistant bill clerk read as follows:

#### CLOTURE MOTION

We, the undersigned Senators, in accordance with the provisions of rule XXII of the Standing Rules of the Senate, hereby move to bring to a close debate on the nomination of Norman C. Bay, of New Mexico, to be a Member of the Federal Energy Regulatory Commission.

Harry Reid, Tom Udall, Robert P. Casey, Jr., Jack Reed, Tim Kaine, Patrick J. Leahy, Barbara Boxer, Bill Nelson, Christopher A. Coons, Richard Blumenthal, Richard J. Durbin, Christopher Murphy, Patty Murray, Martin Heinrich, Tom Harkin, Tammy Baldwin, Cory A. Booker.

Mr. REID. I ask unanimous consent that the mandatory quorum call under rule XXII be waived.

The PRESIDING OFFICER. Without objection, it is so ordered.

#### LEGISLATIVE SESSION

Mr. REID. Mr. President, I move to proceed to legislative session.

The PRESIDING OFFICER. The question is on agreeing to the motion. The motion was agreed to.

#### EXECUTIVE SESSION

#### NOMINATION OF CHERYL A. LAFLEUR TO BE A MEMBER OF THE FEDERAL ENERGY REGULATORY COMMISSION

Mr. REID. Mr. President, I now move to proceed to executive session to consider Calendar No. 842.

The PRESIDING OFFICER. The question is on agreeing to the motion. The motion was agreed to.

The PRESIDING OFFICER. The clerk will report the nomination.

The assistant bill clerk read the nomination of Cheryl A. LaFleur, of Massachusetts, to be a Member of the Federal Energy Regulatory Commission.

#### CLOTURE MOTION

Mr. REID. Mr. President, there is a cloture motion at the desk, and I ask that it be reported.

The PRESIDING OFFICER. The cloture motion having been presented under rule XXII, the Chair directs the clerk to report the motion.

The assistant bill clerk read as follows:

#### CLOTURE MOTION

We, the undersigned Senators, in accordance with the provisions of rule XXII of the Standing Rules of the Senate, hereby move to bring to a close debate on the nomination of Cheryl A. LaFleur, of Massachusetts, to be a Member of the Federal Energy Regulatory Commission.

Harry Reid, Tom Udall, Robert P. Casey, Jr., Cory A. Booker, Jack Reed, Tim Kaine, Patrick J. Leahy, Barbara Boxer, Bill Nelson, Christopher A. Coons, Angus S. King, Jr., Richard Blumenthal, Richard J. Durbin, Chris-

topher Murphy, Patty Murray, Tom Harkin, Tammy Baldwin.

Mr. REID. I ask that the mandatory quorum call under rule XXII be waived. The PRESIDING OFFICER. Without objection, it is so ordered.

#### LEGISLATIVE SESSION

Mr. REID. I now move to proceed to legislative session.

The PRESIDING OFFICER. The question is on agreeing to the motion. The motion was agreed to.

#### UNANIMOUS CONSENT AGREEMENT—EXECUTIVE CALENDAR

Mr. REID. Mr. President, I ask unanimous consent that at noon tomorrow, July 10, the Senate proceed to executive session and consider Calendar Nos. 903, 695, and 895; that the time until 2 p.m. be equally divided in the usual form on the Donovan nomination; that upon the use or yielding back of that time, the Senate proceed to vote, with no intervening action or debate, on the nominations in the order listed; that there be 2 minutes for debate, equally divided in the usual form, prior to the votes on the Silliman and Smith nominations; that all rollcall votes after the first be 10 minutes in length; further, that if any nomination is confirmed, the motion will be considered made and laid upon the table with no intervening action or debate; that no further motions be in order to the nomination; that any statements related to the nomination be printed in the RECORD; that the President be immediately notified of the Senate's action and the Senate resume legislative session.

The PRESIDING OFFICER. Without objection, it is so ordered.

Mr. REID. Mr. President, I ask unanimous consent that notwithstanding rule XXII, on Tuesday, July 15, 2014, at noon the Senate proceed to executive session and vote on the motions to invoke cloture on Executive Calendar Nos. 839 and 842 in the order listed; further, that if cloture is invoked on either of these nominations, on Tuesday, July 15, 2014, at 3 p.m. all postcloture time be expired and the Senate proceed to vote on the confirmation of the nominations in the order upon which cloture was invoked; further, that there be 2 minutes for debate prior to each vote; that if any nomination is confirmed, the motion to reconsider be considered made and laid upon the table, the President be immediately notified of the Senate's action, and the Senate resume legislative session.

The PRESIDING OFFICER. Without objection, it is so ordered.

#### MORNING BUSINESS

Mr. REID. Mr. President, I ask unanimous consent that the Senate proceed to a period of morning business with Senators permitted to speak for up to 10 minutes each.

The PRESIDING OFFICER. Without objection, it is so ordered.

#### THE FUTURE OF LEISURE

Mr. LEAHY. Mr. President, my daughter Alicia works for the Motion Picture Association of America and sent me a report from the Wall Street Journal written by Robert Iger.

My wife Marcelle and I, as well as Alicia, have been to Mr. Iger's home and spent time with him, his highly talented wife Willow Bay, and their children. We have all been impressed with the enthusiasm and direction he brings to the Walt Disney Company, and some of my most interesting times have been with him talking about it.

Mr. President, I wanted to share with others his report, and I ask consent that it be printed in the RECORD.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

[From the Wall Street Journal, July 7, 2014]

#### DISNEY'S IGER ON THE FUTURE OF LEISURE: TECHNOLOGY BUILT ON STORYTELLING

(By Robert A. Iger)

In 1956, the year after Disneyland opened, Walt Disney was asked to imagine what entertainment would be like a half-century into the future.

As one of the world's great innovators, Walt had just introduced people to a new form of leisure entertainment—the theme park. But when it came to predicting the future, Walt said that was beyond his powers, given the rapid pace of change in the entertainment industry.

One thing was certain, Walt said: The centuries-old human need for great storytelling would endure for generations to come, enhanced by new technologies that would bring these tales to life in extraordinary ways.

Walt was better at predicting the future than he realized. Six decades later, technology is lifting the limits of creativity and transforming the possibilities for entertainment and leisure. Today's digital era has unleashed unprecedented innovation, giving rise to an array of new entertainment options competing for our time and attention.

As Walt also predicted, people's need to be entertained with storytelling has endured: We gravitate to the universal stories that bind us—tales of adventure, heroism and love, tales that provide comfort and escape. Great storytelling still remains the bedrock of great entertainment.

In the years ahead, this fusion of technology and creativity will allow us to deliver experiences once unimaginable. What will that future look like? Like Walt, I'm hesitant to make predictions. But a few things seem certain to me.

To start, the 20th-century concept of "one size fits all" no longer applies, as innovators around the world create tools that allow us to customize entertainment and leisure experiences to fit our own tastes and schedules and share them instantly with friends, family and an ever-growing digitally connected global community. In short, we are creating what I like to call technology-enabled leisure.

Mobile storytelling, and mobile entertainment, will dominate our lives, and offer rich, compelling experiences well beyond what is available today. Where someone is will no longer be a barrier to being entertained; the geography of leisure will be limitless. One of the most exciting developments I see on the