

After all, this is the greatest country ever created in the history of the world, and I have no doubt that the future is limitless for us as Americans.

I am proud to yield back the balance of my time and turn the floor over to my good friend, my colleague, someone I admire immensely, a fellow Jeffersonian, ROSCOE BARTLETT of Maryland.

MESSAGE FROM THE PRESIDENT

A message in writing from the President of the United States was communicated to the House by Mr. Sherman Williams, one of his secretaries.

PEAK OIL

The SPEAKER pro tempore (Mr. ALTMIRE). Under the Speaker's announced policy of January 18, 2007, the gentleman from Maryland (Mr. BARTLETT) is recognized for 60 minutes.

Mr. BARTLETT of Maryland. Mr. Speaker, if Thomas Jefferson could be resurrected today, he would be surprised by many things that he found. As my good friend from Texas just indicated, he would be enormously surprised by the size of our Federal Government, because he had envisioned a country in which we had a very limited Federal Government.

But there is something else that I remember about Thomas Jefferson that would really surprise him today. What he wanted for his new country was a largely agrarian society, with just enough cities to provide the manufacturing necessary to sustain an agricultural economy. He wanted this, he said, because he didn't want his new country to be blighted by the decadence of cities, as were the countries of Europe and the British Isles that they came from. He really, really would be quite surprised if he could be resurrected and come to our country today, wouldn't he, where far, far more than half of our people live in cities far larger than any he could have imagined at that time.

Mr. Speaker, this, I believe, is the 42nd time that I have come here to the floor to talk about energy and primarily about oil. The first time I came here was a little over 3 years ago. Oil was just over \$50 a barrel then, and I was talking about a history that, had we paid attention to it, would have told us that today, or sometime roughly near this, we would be here with oil at \$115 a barrel, that is what it touched in Asia overnight, and with gasoline at the pump out there averaging somewhere near \$3.50 a gallon.

It was absolutely inevitable that we would be here. It was predicted that we would be here. And with all of these warnings, we really should have been doing something about that, and why we weren't is a very interesting subject.

There were two speeches given on energy in the last century that I think will be increasingly recognized, one of them as the most important speech given, and the other one the most insightful speech given.

I have here a quote from what I think was perhaps the most insightful speech given on energy. It was a speech given by Admiral Hyman Rickover, the father of our nuclear submarine, to a group of physicians in St. Paul, Minnesota, on the 14th day of May, 1957.

He says, "In the 8,000 years from the beginning of history to the year 2000 A.D.," he was looking ahead, "world population will have grown from 10 million to 4 billion." He really missed that, didn't he? It is nearly 7 billion. He really had a pretty good concept of what energy was doing for us, but he had underestimated the contribution that energy would make to the growth of our population, because we are now somewhere near 7 billion people, with 90 percent of that growth, more than 90 percent, taking place during the last 5 percent of that period, in 400 years. It took the first 3,000 years of recorded history to accomplish the first doubling of population, 100 years for the first doubling, but the next doubling will require only 50 years. And, of course, it required less than that, because we are now far more than doubled.

The next chart kind of depicts what Hyman Rickover was talking about. What this shows is the last part of that 8,000 years of recorded history. We have here only about 400 years of it. But if you went back the rest of the 8,000 years, the graph would look about the same. The production of energy was down there so near zero that it looked like it was on the zero line.

Here we see the beginning of the Industrial Revolution. It began with wood, of course. That is the brown line there. Then we discovered coal and we produced considerably more energy. Then we discovered gas and oil, and, boy, it shot up. Now, if I had a curve of the growth in population, it would just track almost precisely this curve in the increase in energy available.

This is an interesting curve, and I would like to spend just a moment looking at it. It is a very steep curve. Now, we can make this curve much less steep if we spread out the abscissa and compress the ordinate, and a little later we will have some curves that are that way. But you can still see the essentials of what this curve shows you.

Here is the oil price spike hikes of the seventies. You will see it resulted in a worldwide recession that actually reduced the use of oil. And now, after recovery from that recession, with a great deal more respect for efficiency, we are now increasing our use of energy at a very much lesser slope.

Now, in this chart where we have such a compressed abscissa, that is not as evident. It will be later. Later when we come to that I will point to the fact that this very steep curve, were it to have continued, we would be off the top of the chart and we would be in considerably more trouble relative to energy than we are today.

The next chart is another quote from this great speech that Hyman Rickover

gave a little over 50 years ago. "There is nothing that man can do to rebuild exhausted fossil fuel reserves." When they are gone, they are gone. You can't recycle energy. When it is used, it is gone. They were created by solar energy a very long time ago, he says 50 million years ago. It took eons to grow to their present volume.

In the face of the basic fact that fossil fuel reserves are finite, the exact length of time—I want you to listen to this statement, so insightful—the exact length of time these reserves will last is important in only one respect. The longer they last, the more time that we have to invent ways of living off renewable or substitute energy sources and to adjust our economy to the vast changes which we can expect from such a shift.

Fifty-one years ago. Tremendous advice. He recognized this. And he says we were living in a golden age. Exactly how long this golden age lasted would be only important in one regard. The longer it lasted, the more time we would have to shift to alternative sources of fuel, because fossil fuels, oil, gas and coal, are not infinite. They are finite. They will run out. The only question was not if, it was when will they run out. He said the longer they lasted, the more time we would have to invent ways of living off renewable or substitute energy sources.

The world has done essentially none of that in the 51 years since he made that statement and gave that counsel. We have behaved in our use of fossil fuels as if they were in fact infinite, as if they would always be there. Tomorrow there will be another huge find, and we can just go on using as much energy as we wish for as long as we wish.

The next chart is another quote from Hyman Rickover. "Whether this golden age will continue depends entirely upon our ability to keep energy supplies in balance with the needs of our growing population." And oil is \$115 a barrel and gas is \$3.50 a gallon at the pump because we have not been able to keep energy supplies in balance with the needs of our growing population and our growing economies in this country and around the world, and we now have an imbalance between supply and demand. The demand is greater than the supply, and whenever that happens, of course, the price goes up, and the price has gone up.

The next chart is a quote from one of four studies that have been paid for by your government and have been pretty much ignored by your government. All four of these studies have said essentially the same thing, that peaking of oil is either present or imminent, with potentially devastating consequences, and we really need to be doing something about that.

The Corps of Engineers was one of those studies, the second one, in September of 2005. An earlier one, the Hirsch Report, was in February of 2005.