

(as appropriate) should provide written notice to each of its members as to the time, place, and specific subject matter of such session, including an agenda listing each bill or other matters to be considered and including:

(a) two copies of each bill, joint resolution, or other legislative matter (or committee print thereof) to be considered at such executive session; and

(b) two copies of a summary of the provisions of each bill, joint resolution, or other legislative matter to be considered at such executive session; and

2. Three days prior to the scheduled date for an executive session for the purpose of marking up bills, the committee or subcommittee (as appropriate) should deliver to each of its members two copies of a cordon print or an equivalent explanation of changes of existing law proposed to be made by each bill, joint resolution, or other legislative matter to be considered at such executive session.

3. Insofar as practical, prior to the scheduled date for an executive session for the purpose of marking up bills, the committee or a subcommittee (as appropriate) should provide each member with a copy of the printed record or a summary of any hearings conducted by the committee or a subcommittee with respect to each bill, joint resolution, or other legislative matter to be considered at such executive session.

ADDITIONAL STATEMENTS

TRIBUTE TO MR. ROBERT C. McWILLIAMS III

• Mr. HUTCHINSON. Mr. President, I rise today to pay tribute to a man who through his service and dedication made a significant difference in the lives of those who work at the Pine Bluff Arsenal in my home State of Arkansas. Mr. Robert C. McWilliams passed away recently, and the State will mourn his loss.

Robert McWilliams, was commissioned into the Army in 1964 as a second lieutenant of armor. He served two tours in Vietnam as an Army aviator and was awarded the Distinguished Flying Cross, Air Medal, Bronze Star Medal, Army Commendation Medal, National Defense Service Medal and was decorated with Senior Aviator Wings. After his service in Vietnam, he was stationed at Pine Bluff Arsenal, where he served as Provost Marshal, Chief of Security, and finally president of the local chapter of the American Federation of Government Employees.

It was in that last position that Bob truly emerged as a tireless advocate for the hundreds of men and women who work at the Pine Bluff Arsenal, toiling on behalf of our nation's security. I enjoyed the many conversations I had with Bob, for he never wasted an opportunity to argue for higher wages and more job security for those he represented. I knew that whenever I needed a candid opinion of how decisions made in Washington, D.C., would affect life in Jefferson County, I could call on him. Now that he is gone, I will miss him.

Robert C. McWilliams served his nation with dignity and honor. To those who knew him, he is remembered with fondness. I wish to extend my deepest sympathies for his passing to his family and loved ones.●

NIST CENTENNIAL

• Mr. LIEBERMAN. Mr. President, I rise today to celebrate the centennial of the founding of one of this country's technology treasures, the National Institute of Standards and Technology, or NIST.

For 100 years, the National Institute of Standards and Technology has helped to keep U.S. technology on the cutting edge. It has been a reliable and critical source of assistance to industry, science, and government. NIST's research, measurement tools, and technical services are integrated deeply into the many systems and operations that drive our national economy.

There are few aspects of our everyday lives and no corner of this country that is not touched by the work of NIST. In my State of Connecticut and in every State across this country, factories, communication and transportation networks, laboratories, hospitals, educational institutions, gas stations, coffee shops, and the extended enterprises of both the traditional and new economies are dependent on the work of NIST, its talented staff, and its ahead-of-the-curve research.

In order to understand the role that NIST has played in helping to make this country the economic powerhouse it is, we should take a little trip back in time, say about 100 years, to the beginning of the last century. It was a time before air conditioning, before plastics, before airplanes. Teddy Roosevelt had just become President and a middle-class income was no more than \$5,000. We were at the dawn of the age of technology and we were excited about the opportunities for the rapidly evolving advances in science and technology.

We were also very confused. There were no authoritative national standards for any quantities or products. For example, there were eight separate values for the gallon. It was difficult, sometimes impossible, for Americans to conduct fair transactions or to get parts to fit together properly. Construction materials were of an uneven quality. Household products were unreliable. This commercial chaos hindered economic growth.

As the 1800s rolled into the 1900s, this country was in a precarious position. We were dependent on the research and scientific work of other countries. Few Americans were working as scientists, because most scientific work was performed overseas. American instruments were shipped abroad to be calibrated, and American scientists and engineers had to wait for their ships to come in, literally, before they could move ahead. The confusion and reliance on other nations was handicapping the United States in competition with trade rivals, such as Germany and England, countries which already had their own national measurement laboratories.

I am pleased to say that as they entered the 20th century, our predecessors in Congress acted wisely to remedy this commercial chaos and scientific competitive disadvantage. In

1901, in the final hours of its final session, the 56th Congress voted overwhelmingly to tackle a pervasive national need by creating the National Bureau of Standards, now known as NIST. Working closely with the leading scientists and industrialists of the time, this body, with great foresight, endorsed the concept of a national standards laboratory just as the century was beginning.

A century later, NIST has become an organization of 3,200 employees, plus 2,000 field agents who partner with NIST in all 50 states and Puerto Rico, 1,600 guest researchers and another 1,500 industrial research partners. A lot has happened to science and technology over the past century and NIST has helped to lay the foundations for our nation's progress.

I would like to spend just a few minutes reviewing some key contributions the Institute has made to industry, science, technology, national security and consumers. In the early years of the century, thousands of train derailments were caused by broken rails, wheel flanges and axles. NIST ran tests, and reported that the steel industry had not established uniform practices in manufacturing rails and wheels. By 1930, as better steel went into rails and trains, with NIST's help in standardizing materials and processing, the rate of accidents from these causes fell by two-thirds.

At the end of the century, industry had become increasingly dependent on information and knowledge and NIST continued to be relevant in that area. For example, financial services, telecommunications companies, and hardware and software products relied heavily on the data encryption standard issued by NIST in 1977, the first publicly available standard of this type and the first cryptographic algorithm endorsed by the Federal Government. Today, NIST is coordinating a successor standard, having run an Olympics-type worldwide competition.

The Global Positioning System and other communications and navigation technologies are more accurate, thanks to improved timekeeping, a trend promoted by NIST's operation of the first atomic clock, which was based on the ammonia molecule, in 1949. Progress in cooling atoms to within the tiniest fraction of "absolute zero" enabled NIST to build one of the world's most accurate atomic clocks, NIST F-1, which is used to maintain the nation's time standard.

NIST's critical role for industry has not been limited to research. Its Manufacturing Extension Partnership program has been boosting the competitiveness of this country's 361,000 smaller manufacturers since 1989. In 1999, more than 23,000 firms took advantage of its services, increasing or retaining billions of dollars in sales, saving hundreds of millions of dollars in costs, and creating or retaining tens of thousands of jobs.