



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Calista  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Calista,

Thank you very much for the nomination of Ralph Baer for the National Medal of Science.

Ralph Baer's inventions have definitely made the world a happier place. His ingenuity and engineering skill make him an excellent candidate for the Medal. Did you know that more than 440 people have won the Medal of Science to date, but only seven people have received both the National Medal of Science and the National Medal of Technology? If he were to win the National Medal of Science, Ralph Baer would be the eighth.

I hope that learning about Ralph Baer sparked your interest in science and engineering. I'm a woman engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science

p.s., Although I love his Simon and Pong, my favorite Baer invention is Teddy Ruxpin.



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Skyler  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Skyler,

Thank you very much for the nomination of Walt Disney for the National Medal of Science.

I completely agree that Walt Disney's ingenuity and creativity have definitely made the world a happier place. His artistic skill and especially his visionary imagination make him an excellent candidate for the Medal.

I hope that learning about Walt Disney sparked your interest in the intersection between art and engineering. Sometimes people do not see an obvious link, but you need to be creative to be a good engineer. I'm a woman engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Dawson  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Dawson,

Thank you very much for the nomination of Bill Gates for the National Medal of Science.

Bill Gates' inventions have definitely made the world a better place. His vision and engineering skill make him an excellent candidate for the Medal. Did you know that he received a National Medal of Technology in 1993? Although more than 440 people have won the Medal of Science, to date, only seven people have received both the National Medal of Science and the National Medal of Technology. If Bill Gates were to win the Medal of Science, she would be the eighth.

I hope that learning about Bill Gates sparked your interest in science and engineering. I'm a computer engineer and I can tell you that science and engineering offer great career choices! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Oreoluwa  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Oreoluwa,

Thank you very much for the nomination of Philo Farnsworth for the National Medal of Science.

Philo Farnsworth's inventions undoubtedly transformed the world. He was a true genius. His creativity and engineering skill make him an excellent candidate for the Medal. Did you know that Farnsworth has been called "one of the ten greatest mathematical wizards of the day," according to *Popular Science*? In 1999, TIME magazine included Farnsworth in *The TIME 100: The Most Important People of the Century*. He is exactly the caliber of nominee that we seek.

I hope that learning about Philo Farnsworth sparked your interest in science and engineering. It is so much fun to learn and so much fun to invent new things and to fix problems. I'm a woman engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Haroon  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Haroon,

Thank you very much for the nomination of Bill Gates for the National Medal of Science.

Bill Gates' inventions have made a tremendous impact on people's lives. His vision and engineering skill make him an excellent candidate for the Medal. His Microsoft Windows software has made personal computing accessible to all people, all over the world, at a fairly low cost. His legacy will impact the world for many years to come.

I hope that learning about Bill Gates sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Vincent  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Vincent,

Thank you very much for the nomination of Thomas Alva Edison for the National Medal of Science.

Edison's inventions have made a tremendous impact in the world. His vision, engineering skill, and perseverance make him an excellent candidate for the Medal. Have you visited the Smithsonian National Museum of American History in Washington, DC? They have a wonderful exhibit on Edison's inventions, including many of his light bulb prototypes.

I hope that learning about Thomas Edison sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Tucker  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Tucker,

Thank you very much for the nomination of Hippocrates for the National Medal of Science.

Hippocrates' transformative approach to medicine continues to make an impact 2,300 years after his death. His observational skill and dedication to teaching make him an excellent candidate for the Medal. As you write, Hippocrates' contributions are so important that modern doctors still follow his standards.

I hope that learning about Hippocrates sparked your interest in science and engineering. Science, engineering, and medicine are great career choices! Scientists, engineers and, without a doubt, medical doctors, help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

HirotaKa  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear HirotaKa,

Thank you very much for the nomination of Stephanie Kwolek for the National Medal of Science.

As you discovered, Kwolek's invention of Kevlar touches all of us today. Even though it is most known for its use in bullet proof vests, it is also used in tires and brake pads. She won the National Medal of Technology for her invention in 2003. Although more than 440 people have won the Medal of Science, to date, only seven people have received both the National Medal of Science and the National Medal of Technology. If Stephanie Kwolek were to win the Medal of Science, she would be the eighth.

I hope that learning about Stephanie Kwolek sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science





# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Clint  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Clint,

Thank you very much for the nomination of Frank Zamboni for the National Medal of Science.

Zamboni's most famous invention has indeed made the world a more fun place. Isn't that interesting that he watched people stumble and figure out how to help them? That is what engineers and inventors do: they try to come up with solutions to make the world a better place.

I hope that learning about Frank Zamboni sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers solve problems to make our lives "smoother".

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



## THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Camille  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Camille,

Thank you very much for the nomination of Marie Curie for the National Medal of Science.

Marie Curie was an amazing scientist whose discoveries have made a great impact on our lives. She's an excellent candidate for the Medal. As you write, she won two Nobel prizes, the first in 1903 together with her husband and the second in 1911 all by herself. Did you know her daughter also won a Nobel Prize? Marie Curie was a trailblazer and continues to be, over 100 years later, a great inspiration to both men and women.

I hope that learning about Marie Curie sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Shane  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Shane,

Thank you very much for the nomination of George Ferris for the National Medal of Science.

George Ferris' ingenuity and curiosity have indeed made the world a happier place. People thought his invention was too grandiose, and not only did it work, but it has persisted until this day, more than 100 years later! Have you ridden a Ferris wheel lately? It is so much fun. Ferris' engineering knowledge makes him an excellent candidate for the Medal.

I hope that learning about George Ferris sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Kevaughn  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Kevaughn,

Thank you very much for the nomination of Walt Disney for the National Medal of Science.

Walt Disney's vision and persistence continue to be evident in the company that still has his name and continues to be successful more than 40 years after his death. His amusement parks changed the way such parks are built all over the world. I completely agree that Walt Disney's imagination and creativity have definitely made the world a happier place and make him an excellent candidate for the Medal.

I hope that learning about Walt Disney sparked your interest in the intersection between art and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Jasmine  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Jasmine,

Thank you very much for the nomination of James Naismith for the National Medal of Science.

James Naismith's invention of basketball has indeed made the world a better place. The game is simple, elegant, and challenging. Did you know that scoring points is all about physics? The weight of the ball, the shape, the trajectory: minute changes in any of these can be the difference between winning the NCAA title or not! Basketball has to do with science in two major ways: physiology and physics.

I hope that learning about James Naismith sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Irving  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Irving,

Thank you very much for the nomination of Theodore H. Maiman for the National Medal of Science.

Theodore Maiman's invention of the laser revolutionized science and changed our daily lives. The use of the laser has transformed, as you noted, space science, medicine, architecture, and even clothing! You are correct in writing that one of the reasons he should win is that other scientists use the laser. Maiman is a great candidate for the National Medal of Science because of his invention's great influence on all the other sciences.

I hope that learning about Theodore Maiman sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Olivia  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Olivia,

Thank you very much for the nomination of Albert Einstein for the National Medal of Science.

Albert Einstein was indeed the best scientist on Earth (or even the universe) and a great candidate for the Medal. I find it very interesting that he showed so much promise at such a young age. Did you know that he learned Euclidean geometry by the age of 12? One of the reasons why Einstein had such an impact on the sciences is that he wrote many important scientific papers in a very short period of time. And what is amazing is that his hypotheses have proven true after all these years.

I hope that learning about Albert Einstein sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Abigale  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Abigale,

Thank you very much for the nomination of Edwin Binney for the National Medal of Science.

Edwin Binney's inventions have brought great joy to generations of people. As you know, his father owned a chemical company. Binney's most important creations, the dustless chalk and the modern crayon, were really experiments in chemistry and materials sciences. His contributions make him a fine candidate for the National Medal of Science.

I hope that learning about Edwin Binney sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science

p.s., Have you been to the Crayola factory in Easton, Pennsylvania?  
Tell your parents to take you. It's a lot of fun.





# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Cole  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Cole,

Thank you very much for the nomination of Albert Einstein for the National Medal of Science.

I agree with you that Albert Einstein was indeed the best scientist of all time and a great candidate for the Medal. One of the reasons why Einstein continues to have such an impact our daily lives is that he did not write only scientific papers, but was also famous for his philosophical views. As you have learned, he believed in world peace and in the peaceful sharing of scientific knowledge.

I hope that learning about Albert Einstein sparked your interest in science and engineering and their impact on society. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Amani  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Amani,

Thank you very much for the nomination of Albert Einstein for the National Medal of Science.

Albert Einstein was a brilliant mind and a great candidate for the Medal. His scientific hypotheses touched many areas of physics and have helped us figure out how to best travel in space. Did you know that a few years ago NASA launched a spacecraft called Gravity Probe-B to test Einstein's theory of relativity? You can find more information on GP-B here: <http://einstein.stanford.edu/>

I hope that learning about Albert Einstein sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Victoria  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Victoria,

Thank you very much for the nomination of Guglielmo Marconi for the National Medal of Science.

Your position that Marconi's invention of wireless communications changed the way we think of the economy and technology is very strong. Marconi's contributions make him a great candidate for the National Medal of Science. His wireless receiver was revolutionary and is the backbone to many industries that have completely changed the way we live.

I hope that learning about Guglielmo Marconi sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Aiden  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Aiden,

Thank you very much for the nomination of Henry Ford for the National Medal of Science.

Ford's contributions make him a great candidate for the National Medal of Science. His developments in automotive engineering revolutionized the world. However, as you note, his creation of assembly-line production transformed not only the auto industry, but all industries by making productions more efficient. It would not be a stretch to state that the great American affluence of the 20<sup>th</sup> century was due in great part to Henry Ford's industrial innovations.

I hope that learning about Henry Ford sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Amanda  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Amanda,

Thank you very much for the nomination of Henry Ford for the National Medal of Science.

Henry Ford's engineering ingenuity makes him a great candidate for the National Medal of Science. As you learned, he not only improved cars but also invented interesting aircraft. In addition to his car empire, his most important legacy is Ford's innovative approach to building cars: the modern assembly line. The modern assembly line improved the productivity of the nation and helped the United States become a world power.

I hope that learning about Henry Ford sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice for girls! Scientists and engineers help make the world a better place.

Sincerely,

Mayra M. Montrose  
Program Manager,  
National Medal of Science



# THE NATIONAL MEDAL OF SCIENCE

Awarded By  
the President of the  
United States  
of America

April 9, 2010

Tyler  
40 Kerr Road  
Poughkeepsie, NY 12603

Dear Tyler,

Thank you very much for the nomination of Charles Babbage for the National Medal of Science.

Charles Babbage's groundbreaking invention of the programmable computer two hundred years ago has indeed revolutionized the world. He is an excellent candidate for the National Medal of Science. He was a visionary mathematician, engineer, and inventor with great technical skill. Don't you think he would be amazed to look at an iPod today and realize that such a small device is a computer?

I hope that learning about Charles Babbage sparked your interest in science and engineering. I'm a computer engineer and I can tell you that it is a great career choice, thanks to Charles Babbage! Scientists and engineers help make the world a better place.

Sincerely,

Mayra N. Montrose  
Program Manager,  
National Medal of Science