badges in Mental Skills, became a better citizen and family member as he earned his Community badges, experienced and dreamed as he earned his Technology badges, and began to experience nature with the Outdoor badges. These experiences have given him the chance to dream, create, envision, and enjoy being a young man. These are the sparks that create innovative people.

Tonight the end of this journey is just the beginning of a new one. This one ends with the highest award earned in Cub Scouting, the Arrow of Light Award. It is the only award that he will continue to wear on his uniform through his Boy Scout journey, and will be recognized as a knot on his adult uniform. Congratulations.

*Have the Scout hold up pictures with each innovator. Galileo/solar system, Franklin/kite with lightning, Edison/light bulb, Ford/model T on assembly line, Einstein/E=mc2, Disney/Mickey Mouse, Farnsworth/television, Baden-Powell/his picture. All are found on the internet.

By Eric Christiansen, WE7-590-3-08

meager military salary he began to write books. His subjects would cover military themes to hunting.

Eventually his service took him to South Africa where he served during the Second Boer War. During his African campaign he realized that many of the young soldiers were very poor at reconnaissance and decided to write a book on scouting. It covered how to be stealth when observing, how to find your way through the wilderness, and how to survive in the wild. His manuscript was sent back to England for publication.

During the Boer War Baden-Powell found himself defending a city that was surrounded and under siege. He needed to make the enemy think they were a larger and more powerful force than they actually were. This is where his experience with theater came into practical use. He marched men around in large circles to make his force look larger, created fake gun emplacements and had his men stretch out imaginary coils of barbed wire far away enough from the enemy lines that they assumed they just couldn't see the actual wire. News accounts followed the siege in England.

After 217 days the city was relieved having never fallen. When Baden-Powell returned home he found himself a hero. Another unexpected turn was that his book on scouting was not being purchased by young military men, but by young men longing to be in the outdoors. They were forming groups and working together. Baden-Powell saw the need and the potential of a youth organization and founded the Boy Scouts organization.

Today we are the result of that vision. The Boy Scouts of America has a mission to prepare young people to make ethical and moral choices over their lifetimes by instilling in them the values of the Scout Oath and Law. Tonight we have a young man who has who has been on a journey for the last year to complete his Cub Scout experience and move on to Boy Scouts. During this year he has learned about himself as he has earned badges in Physical Skills, challenged himself earning

One of the greatest minds of the last century was Albert Einstein. Born in Germany in 1879, he was a theoretical physicist who revolutionized his field. Often called the father of modern physics, he was a Nobel Prize winning scientist. He left Europe because of the start of the Second World War. He immigrated to the United States where he was free to continue his work.

A name we are all familiar with is that of Walt Disney. Born in 1901, he was an artist and cartoonist, and a pioneer in the field of animation. He invented the multiplane camera which gave depth to his animated films. His was the first studio to produce a full length animated film, *Snow White and the Seven Dwarfs.* Everyone said it was folly and that it would never succeed, but it did and became the most successful film of the year. Upon that success he built up a film and entertainment empire that included theme parks around the world. Walt Disney's imagination and creativity has put smiles on the faces of children and adults everywhere.

An inventive person very close to here was a man born in Beaver, Utah in 1906 named Philo T. Farnsworth. As a young man his family moved to Rigby, Idaho where the family had a house wired for electricity and a generator. Philo was fascinated with anything electric and started rebuilding old motors, and even attached one to his mother's washing machine. While working in the fields he began to design electron tubes in his mind. At high school he drew them out on the chalk board for his science teacher. These were the tubes that would lead to his invention of the television tube and the modern day television. Thus Philo is the father of television.

The visionary man I want to talk about now is very important to all of us. Robert Baden-Powell was born in England in 1857. The youngest of many siblings, he loved to be outside to play, to stalk animals through the woods, to hide from others and be as one with nature as much as possible. Upon completion of school he joined the army and was stationed in India. He loved working on horseback and playing polo, but also excelled in theatrical productions. To supplement his

ARROW OF LIGHT CEREMONY
INNOVATIVE PEOPLE

Throughout history and even around us today are innovative people. These are people who are dreamers, thinkers, inventors and visionaries.

One such person was an Italian man born in 1564 by the name Galileo Galilei. He was a physicist, mathematician, astronomer, and philosopher. He is considered the father of modern physics, the father of science, and the father of observational astronomy. He made improvements to the telescope and through observation of the sky announced to the world that the earth and other planets revolved around the sun rather than everything revolving around the earth. For that pronouncement he was forced to spend the rest of his life under house arrest where he was still able to write about his research.

Benjamin Franklin was another very inventive person. Born in 1706, he was an author, printer, politician, postmaster, scientist, musician, inventor, statesman and diplomat. He studied electricity, invented the lightning rod, bifocals, the Franklin stove, and even a carriage odometer. He was a founding father of our nation, and helped to shape the country in which we now live.

One of the best known American inventors was Thomas Edison. Born in 1847, he gave the world such things as the phonograph, the motion picture camera, and the long lasting light bulb. He is known as the fourth most prolific inventor holding over 1000 patents. He was a wise business man who hired a team of people to work on his concepts and projects.

Modern industry owes a great deal to Henry Ford who not only created a line of practical automobiles, but developed the concept of the assembly line in manufacturing. Born in 1863, he built one of the largest and most successful auto companies in the world.