

# How Champion Of Science Helped To Conquer The Mountain

In 1982, a group of scientists and engineers at the University of Utah set out to do the impossible: build the world's first successful artificial heart.

The task was daunting. The human heart is one of the most complex organs in the body, and no one had ever been able to create a mechanical device that could replicate its function.



## Everest - The First Ascent: How a Champion of Science Helped to Conquer the Mountain by Harriet Tuckey

★★★★☆ 4.4 out of 5

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Enhanced typesetting : Enabled  
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Screen Reader : Supported  
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Print length : 430 pages



But the Utah team was determined to succeed. They spent years working tirelessly, overcoming one obstacle after another.

Finally, in 1985, they achieved their goal. They had created the Jarvik-7 artificial heart, the first device that could successfully replace a human heart for an extended period of time.

The Jarvik-7 was a major breakthrough in medical science. It gave new hope to thousands of people who were suffering from heart failure.

But the story of the Jarvik-7 is more than just a medical triumph. It is also a story of human perseverance and innovation.

The Utah team faced countless challenges along the way. They had to overcome technical difficulties, financial problems, and even ethical concerns.

But they never gave up. They were driven by a deep belief that they could make a difference in the world.

The story of the Jarvik-7 is an inspiration to us all. It shows us that anything is possible if we have the courage to dream big and the determination to never give up.

**The book "Champion Of Science" tells the full story of the Jarvik-7 artificial heart. It is a fascinating and inspiring read that will leave you in awe of the human spirit.**

### **The Scientists and Engineers Behind the Jarvik-7**

The Jarvik-7 artificial heart was the brainchild of a team of brilliant scientists and engineers.

The team was led by Dr. Robert Jarvik, a cardiac surgeon who had long dreamed of creating an artificial heart.

Other key members of the team included:

- Dr. William DeVries, a heart surgeon who performed the first successful Jarvik-7 implant.
- Dr. David Timmis, a bioengineer who designed the Jarvik-7's blood pump.
- Dr. Charles Cooley, a cardiac surgeon who helped to develop the surgical techniques for implanting the Jarvik-7.

The team was a diverse group of individuals with different backgrounds and expertise. But they were all united by a common goal: to create an artificial heart that could save lives.

### **The Challenges of Building the Jarvik-7**

The team faced countless challenges in developing the Jarvik-7 artificial heart.

One of the biggest challenges was designing a blood pump that could mimic the function of the human heart.

The human heart is a remarkably efficient pump. It can pump blood throughout the body without tiring.

The team had to design a blood pump that could match the human heart's efficiency and durability.

Another challenge was finding materials that were compatible with the human body.

The Jarvik-7 is made of a variety of materials, including titanium, polyurethane, and Dacron.

These materials had to be able to withstand the harsh environment of the human body without causing any adverse reactions.

The team also had to develop surgical techniques for implanting the Jarvik-7.

The Jarvik-7 is a complex device, and implanting it requires a delicate and precise surgical procedure.

The team had to develop new surgical techniques that would minimize the risk of complications.

### **The Success of the Jarvik-7**

Despite the challenges, the team was able to develop a successful artificial heart.

The Jarvik-7 was first implanted in a human patient in 1982.

The patient, Barney Clark, lived for 112 days with the Jarvik-7. Although Clark eventually died from complications, his implant was a success.

The Jarvik-7 was a major breakthrough in medical science.

It gave new hope to thousands of people who were suffering from heart failure.

The Jarvik-7 is still used today as a bridge to transplant for patients who are waiting for a donor heart.

## **The Legacy of the Jarvik-7**

The Jarvik-7 artificial heart is a testament to the power of human ingenuity and perseverance.

The team that developed the Jarvik-7 faced countless challenges, but they never gave up.

Their success has saved the lives of thousands of people.

The Jarvik-7 is a reminder that anything is possible if we have the courage to dream big and the determination to never give up.

The story of the Jarvik-7 artificial heart is an inspiring tale of human achievement.

It is a story of science, engineering, innovation, and perseverance.

The Jarvik-7 is a testament to the power of the human spirit.

**Free Download your copy of "Champion Of Science" today and learn the full story of the Jarvik-7 artificial heart.**



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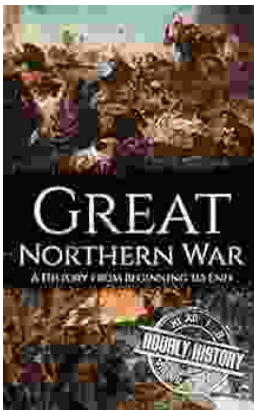
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