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## The Utah Science Center brings "The Body Electric" to SLC *Free Hands-on Exhibit Part of Library's "Frankenstein"*

SALT LAKE CITY—July 14, 2004—In conjunction with the Salt Lake City Main Library's "Frankenstein" exhibit, the Utah Science Center will sponsor "The Body Electric," a free, hands-on exhibit that explores YOUR personal electric potential through a variety of interactive experiments.

"The Body Electric" opens July 7 and runs through August 20. The exhibit is housed between the English Garden flower shop and the Blue Cockatoo Gallery in the City Library's Urban Room. and will be open to the public during library hours. Volunteer docents will help participants explore how their individual electric fields influence the outcome of each experiment.

The exhibit features the following:

**The Theremin.** Invented in 1919 by Russian Scientist Lev Sergeivitch Theremin, the Theremin is a non-contact instrument that generates music by combining two high frequency radio signals. The electrical field of a human body close to the device causes pitch and volume changes in the audio signal.

**The ECG** (Electrocardiograph). Using surface electrodes, the ECG measures the electrical activity associated with major motions of the heart. Each portion, or peak, of the ECG wave measures activity in a specific section of the heart, allowing doctors to diagnose heart problems.

**The EMG** (Electromyograph). EMGs measure muscle activity by showing the electrical signals related to their contraction. EMGs can be used to train a person to control their muscles again after an accident or debilitating disease. EMGs are also used to diagnose muscular disorders.

**The Plasma Globe.** A device that uses a high potential difference between the central electrode and outer globe to ignite streams of plasma, or highly charged luminescent gas. Despite being an electric terminal, the high frequency, and low current used in the globe make it safe to touch.

In addition to the Body Electric, the Utah Science Center will also sponsor two(?) panel discussions that support the Frankenstein exhibit, including "Struck by Lightning," on Aug. 5, and "Brain Fingerprinting" on Aug. 19.

### **About the Utah Science Center**

The Utah Science Center ([www.utahsciencecenter.org](http://www.utahsciencecenter.org)) emphasizes creative and active exploration of the worlds of science and technology. Utah Science Center endeavors to

create a culture and environment for exploring the factors and phenomena that affect our lives and shape our future. In 2006 the Utah Science Center, along with Global Artways ([www.globalartways.org](http://www.globalartways.org)), Salt Lake City's arts education program, and; the Center for Documentary Arts ([www.cdautah.org](http://www.cdautah.org)), will find a permanent home in The Leonardo at Library Square ([www.theleonardo.org](http://www.theleonardo.org)).

Inspired by Leonardo da Vinci – one of history's most versatile visionaries – The Leonardo will be a one-of-a-kind Art, Culture and Science center that encourages visitors to explore subjects from new perspectives.

The Leonardo will open in the former Salt Lake City main library building. From this Library Square location, The Leonardo and the magnificent new City Library will create a dynamic public square for research and learning. The mission of The Leonardo, with its innovative art-culture-science approach, is to become a national model for exploration, discovery and invention.

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