

History Erased: World Without Italy – Picture Lock Cut Script Nov 12

	ROB	Almost everything that we rely on these days in terms of our technology is portable. Batteries are what make portable technology possible.
35:38		ITALIAN SCIENTIST ALESSANDRO VOLTA DEVELOPED THE FIRST BATTERY IN 1800, CALLED THE VOLTAIC PILE. HE PLACED ALTERNATING DISCS OF ZINC AND COPPER WITH BRINE SOAKED CARDBOARD BETWEEN THEM.
	ROB	The ability to actually store, chemicals that when they react will give off an electric current, was a wonderful breakthrough.
36:05	FRANCESCO	We live on batteries. Everything we do we have to charge.
	PREET	The battery is so important to our world because it's the storage of power that we can use on a mobile basis.
	ROB	They are in your automobile modern hearing aids and modern pacemakers, portable lights, flashlights. We rely completely on batteries.
36:29	FRANCESCO	And now our world is all in that direction. For the future. For the clean future.
		VOLTA'S INSPIRATION FOR THE BATTERY CAME FROM A COLLEAGUE OF HIS, LUIGI GALVANI.
36:43	ROB	Galvani was an Italian scientist and anatomist who had been exploring what happens when you put electricity into animal flesh.
36:53	GFX - Galvani lightning bolt to lab image.	IN THE 1780'S, WHILE DISSECTING A FROG, GALVANI DISCOVERED THAT AN ELECTRICAL CHARGE MADE ITS LEGS JUMP. THESE EXPERIMENTS LAID THE GROUNDWORK FOR UNDERSTANDING HOW OUR NERVOUS AND MUSCLE SYSTEMS WORK.

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	ROB	All of it came from Galvani and his discovery that we actually are electrochemical entities
		GALVANI'S WORK FOUND UNEXPECTED FAME BY INSPIRING A WHOLE NEW GENRE OF STORYTELLING.
37:22		IN THE LATE 1700s, SCIENTISTS AND SHOWMEN STARTED "GALVANIZING" IN THE STREETS AS A FORM OF MACABRE PUBLIC ENTERTAINMENT.
	ROB	After a public hanging people would go and prod the corpse with electric leads, to watch the corpse jerk.
		IT'S BEEN SAID THAT ENGLISH AUTHOR MARY SHELLEY WITNESSED ONE OF THESE SPECTACLES.
37:44	ROB	The notion that you could make things twitch that otherwise seemed to be completely devoid of life was fascinating to Mary Shelley.
	FRANCESCO	Mary Shelley was completely inspired by Galvanism to create her Frankenstein.
	ROB	We got the literature of science fiction, the whole genre of the monster movie slash mad scientist, all of it came from Galvani.