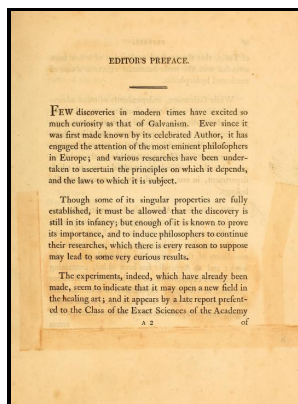


Account of the late improvements in Galvanism

Cuthell and Martin - 9906993



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An Account of the Late Improvements in Galvanism: With a Series of Curious and Interesting Experiments Performed Before the Commissioners of the French National Institute, and Repeated Lately in the Anatomical Theatres of London by John Aldini

The Galvanic action is increased by employing as part of the arc the apparatus of Volta, or the electrified Leyden flask Prop. This phænomenon will be exhibited not only by a whole frog, but by half a frog divided longitudinally; which, as soon as it touches the mercury, by the method above described, will be violently convulsed.

The Body Electric

This proves that the contractions produced in the frog do not arise from the impulse of the mere contact of the spinal marrow with the muscle of the human animal machine.

The Body Electric

Having observed these phænomena in the head, we proceeded to the trunk, which gave us results no less interesting.

Reanimation and Tinkering with the Body

Masin gave me a very fine dinner.

Medical History, Mary Shelley, & Frankenstein

In consequence of this arrangement the Galvanic fluid is obliged to traverse the animal fluid, by which means it exercises an action on it according to the distance of the wires, and by its action separates from its different strata sometimes one principle and sometimes another; and this secretion will be effected with more ease and in greater abundance, according as the action of the pile is stronger, and the capacity of the conductors more considerable. Some dogs and cats were immersed in a large pond till they gave no external signs of respiration, or of muscular motion; and Galvanism being immediately administered to them, according to the methods already described, they were sometimes restored to life. The above

experiment requires great precision in the preparation, and a considerable degree of vital power in the frog.

Giovanni Aldini

By these means I obtained contractions, but weaker than those produced by the pile; and I always observed the same result in other warm-blooded animals. Pass, the beadle of the Surgeons' Company and the man who fast-tracked the trial, was so shocked that he died shortly after leaving. We should also remark that, despite Ohm's attempts in this introduction, he was not really successful in convincing the older German physicists that the mathematical approach was the right one.

Giovanni Aldini

An Account of the Late Improvements in Galvanism. I however resolved to attempt some experiments on this subject at Bologna; but though there were a great many blind in that city, I found that they had become so by the malignant influence of the small pox.

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