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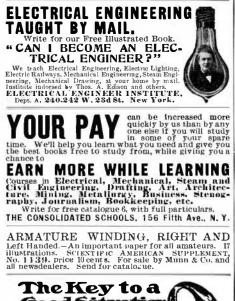


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ing a 1 cm. spark, what would be the registered voltage? A. The voltage of a spark of 1 cm. is from 14.000 to 15,000 volts. 5. Is it the voltage or amperage that shock animal tissue? A. The voltage furnishes the power to force the amperes through the body. Both are neces-sary to the shock. 6. How does evaporation from ocean produce electrification of the vapor? I have heard the following theory advanced, but would like your opinion on it. The ocean possesses equal + and - electricity. When a dron of water turns into vapor, the change of surface is so great that the charge becomes less dense per unit surface than the earth, and so becomes negative. A. The process of electrifying the air is not understood. Till something is known, one theory may be as good as another, if it is satisfactory to the person accepting it. 7. In all long-distance polyphase current lines, where the voltage is perhaps as high as forty thousand, is not the amperage a fraction? A. The amperes are proportionally lower as the voltage is raised in long-distance transmission of electricity.

