

Re: O.T. Step Potential ...

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2008-04/msg00768.html>

- *From:* "Arfa Daily" <arfa.daily@xxxxxxxxxxxxx>
 - *Date:* Wed, 16 Apr 2008 08:30:44 GMT
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"msg" <msg@xxxxxxxxxxxxxx> wrote in message
news:KZqdnXI3Eb3odZnVnZ2dnUVZ_uMlnZ2d@xxxxxxxxxxxxx

Arfa Daily wrote:

<snip>

Going back to the step potential question, thanks all for your thoughts. You all seem to understand it pretty much as I (thought I) did. I think that the concentric circles thing is just an attempt at simplification so that it makes for an 'interesting' and understandable in principle article in a company mag for general reading by everyone i.e. office staff, managers, those in the field and so on. I think we'll settle on there being a potential gradient between the downed cable's point of contact with the ground, and the points around it where the land sinks back to inert ground potential.

<snip>

Geoff,

You didn't answer my question from my previous reply: does the article imply or depict "expanding" equipotential rings around the downed cable over time, thus implying some electro-chemical effect that makes the area more dangerous over time?

Michael

Sorry, no. The paragraph that I copied to the second post, is the entire 'technical' content of the article. It's only a half-pager of three paragraphs, the first being

"Have you ever heard of ?"

and the third being

"so, should you find yourself in a situation here's how to
..... "

Apart from this, just the cg piccy of the crash-test dummy walking away from
the car with his feet planted firmly on two of the illustrated 'rings'.

The line that prompted all this was

"Each expanding concentric circle ..." See post with whole paragraph
to place this in context.

Arfa

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