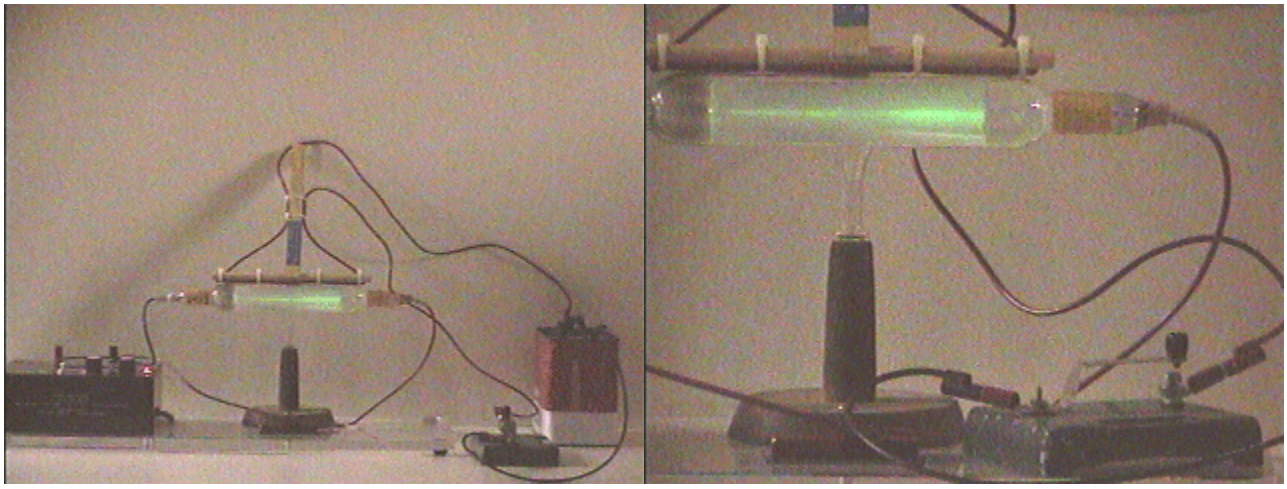
Question #68

An electron beam moving from left to right inside the CRT is made visible by a fluorescent screen, as seen in the photograph at the left below and the close-up at the right.



A wire running along the top of the CRT is activated with an electric current such that the positive current runs from left to right in the wire. What will the electron beam do when a current is created in the wire; that is, will the electron beam deflect, and if so, in which direction?

When a positive current running from left to right is created in the wire the electron beam (also moving left to right) will be:

- (a) deflected upward.
- (b) deflected downward.
- (c) deflected into the picture.
- (d) deflected out of the picture.
- (e) remain undeflected.

Click here for Answer #68 after June 11, 2001.

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For questions and comments regarding the *Question of the Week* contact Dr. Richard E. Berg by e-mail or using phone number or regular mail address given on the Lecture-Demonstration Home Page.