AEC (Phototiming) Article Summary Instructions and Guidelines

I. Instructions

Write out a summary of the article **Automatic Exposure Control: A Primer**
Author Seymour Sterling. You must include the following topics and sections from the article in your summary:

1. Introduction to Automatic Exposure Control (AEC) Systems and general discussion of the origin and history of AEC systems.
2. Body of your summary must include a thorough discussion of the following topics discussed in the article:
   a. Description of AEC devices – include thorough discussion of both of the photomultiplier and ionization chamber systems.
   b. Minimum response time and backup time and the impact on image density and image quality.
   c. Technical Considerations of AEC Systems to include:
      1. Radiographic Grids
      2. Beam Restriction Devices and Collimators
      3. Image Receptors and Screen Speed
   d. Problems and Pitfalls using AEC devices
3. Conclusion

II. Guidelines

1. Students will thoroughly discuss each of the required topics presented in the article and demonstrate a thorough understanding of the purpose of the content of the article.
2. Students will clearly convey their understanding of the concepts included in the article and must be able to convey their understanding of the content to the reader of their summary.
3. Students will demonstrate attention to writing conventions particular to organization, content, presentation, formatting and writing style when composing their article summary.
4. Students should sure to cite the source or author of the article, Seymour Sterling, when appropriate in writing their summary. Please be sure to cite other sources if you use other references.
5. Students should use language in writing their article summary that is clear and relatively free of spelling errors.
6. Students will communicate ideas to the reader of their written summary with clarity and fluency.
7. The written summary should be typed, double spaced and a minimum of two pages long. APA or MLA style preferred.

III. Summary Due Date: 12/8/2014