ADVANCED OPERATION MANUAL FOR PHOTOGRAPHIC DIGITAL CAMERAS CANON EOS 20D

The digital camera Canon EOS 20D has the advantage of taking RAW images, which are essential for the digitization project of the library; however, such type of images must be taken only while operating the camera in the program (P) mode, and not in the automatic (green square) mode. Thus, it is essential to know what the characteristics of the light source are; in other words, the color temperature of the light source. For example, the color temperature of the sunlight in a cloudless day is generally 5400K, except during the first and last hours of daylight. Unfortunately, the color temperature of the artificial lights (Tungsten/3200K) of the copystand used to reproduce images in the Digital Lab is different than that of the sun, and that has to be corrected if real colors are to be achieved.

Thus, assuming that you are using the tungsten lights of the copystand as your light source, you will have to set the white balance of the camera to 3200K, which you can do in different ways. However, here you will find the easiest way to do it. Such bizarre and apparently overwhelming task is actually very simple; just follow these steps:

- Turn the camera ON
- Set the Mode Dial to P
- Press the AF*WB button on top of the camera
- Once you press the AF*WB button, you have 4 seconds to operate the Quick Control Dial on the back of the camera
- Spin the Quick Control Dial until you see on the LCD panel (the screen on the top of the camera) a symbol of Tungsten light (little round light bulb).

!!! Notice that the elongated bulb symbol is for neon light, which have a different color temperature, and you do not want to use this setting, unless you are not using the copystand lights but the ceiling neon lights as your light source.