**To Be Arranged Hours (TBAs)**

To Be Arranged Hoursor TBAs are enrichment activities that all of my astronomy lecture classes are required to perform this semester. Classes must do 16 hours worth of astronomy-related activities. They are a requirement by the State of California for all community colleges and CSM will be audited to ensure that these tasks are completed. Performance of these tasks will ensure that the ISC (Integrated Science Center) and the Math resource labs remain open for you. It will be greatly appreciated if you can complete one or two by February 5, census day. These TBAs **do not affect or count towards your grade**, although everyone in this class is required to do them.

That being said, these activities aren’t onerous, but can be fun and help you to learn a lot about astronomy. Below are a selection of activities for you to engage.

**1) Logging computer time**

There are specific computers on campus where you log in and your computer access time counts toward your TBA. You can go to the Integrated Science Center (ISC) in room 110 here in bldg. 36. Log in with your G number and your course, Astro 115AA, and your time in the ISC under the eye of a science instructor will count toward TBA.

**2) Watching a science related Video**

There are a variety of good NOVA programs about space on the PBS video website. For example: 400 years of the Telescope, Monster of the Milky Way, Hunting the Edge of Space. To find them, go to http://video.pbs.org/. On the program link, go to NOVA and sort though the episodes for astronomy and space-related ones. Write a summary paragraph, including what you found interesting and what went beyond what you learned in class. These are worth 1 TBA apiece. Some of these are available on Netflix and youtube. Some of the programs on A&E or the History Channel are great, others are very dubious. Check with me before you watch them for TBA credit.

**3) Web links**

Find a good link, thaty can be used in class and write a paragraph on what you learned, good for 1 TBA.

**4) Attending a CSM or other astronomy event in the bay area (worth 2 TBAs)**

On the first and second Fridays of the month and the Saturday closest to the 1st quarter moon, we have famous speakers, a planetarium show, and planet and moon watching in our observatory. The first two events are located in the planetarium, while the 3rd is located in our 4th floor observatory. You write 2 pages about what you learned and you will get 2 TBAs, as well as 10 extra credit points, counted towards your grade.

**5) Do Independent Sky Observations**

Locate and identify a specific constellation then draw it accurately(worth 2 TBAs). Indicate the time, sky conditions, star brightness. If you happen to spot any satellites or meteors, indicate as well.