This document is an attempt to provide some guidance on writing up your project. Needless to say, standard rules of term paper writing apply both to a paper or a project. Either should include an introduction which motivates what is to follow and which states the underlying thesis, a central body and a conclusion. Sources must be properly referenced with footnotes and/or a bibliography at the end. It is assumed that the topic will be carefully researched.

The projects combine acoustical measurements as part of the research. The point is to make acoustical measurements with the intent to explain or discover some effect, e.g. the difference in tone produced by a trombone of red brass with one of yellow brass, etc. It is crucial that your results are carefully presented. You should first define the problem or issue to be studied, explain the relevant physics, describe the measurements which were done giving any background on what has been done before. Your results should then be presented along with a discussion of how they agree/disagree with any measurements in the literature, and then you should summarize your conclusions.

One model outline for a paper is given below:

**I. Introduction and Background** Introduction to the musical system which you have studied. Here you should present the relevant physics, citing any references which you have found helpful. Tell what you measured, what you were you trying to prove or study.

**II. Procedure** What did you do, i.e. how did you make the measurements? What were the important considerations that came up while making measurements?

**III. Data and Analysis** This is the place to present your data, and to discuss what you learned from it. If you don’t specifically refer to a figure, or some part of your data it should be put in an appendix, rather than at this point

**IV. Conclusions** Discuss your results? Do your results agree with what you expected beforehand? What did you learn?

**V. Appendices** Attach any data or other relevant information which is necessary to understand the project. You should at least write a few words telling what you have put in the appendix so that the reader (me) can figure out what these data, etc. are.