

1014-P1-79 **Saburo Matsumoto*** (smatsumoto@masters.edu), Department of Mathematics, The Master's College, 21726 Placerita Canyon Rd., Santa Clarita, CA 91321. *Paradoxes: Explanations and Discussions..*
Preliminary report.

"Mathematical paradoxes are quite fascinating." This was a remark recently made by one of my undergraduate, non-science students. Mathematics has encountered various paradoxes, many of which are accessible to students taking general-education mathematics courses such as pre-calculus and quantitative literacy. I have used various paradoxes to encourage students to think, talk, debate, discuss, and communicate mathematically. I will present some well-known and lesser-known paradoxes in a variety of mathematical topics, students' reactions to them, and their comments they have submitted to our online discussion board. We will see that paradoxes can be quite effective in raising the level of their quantitative literacy, mathematical thinking, and overall interest in mathematics. (Received July 19, 2005)