1023-97-833 Michael Starbird* (starbird@mail.utexas.edu). Calculus for the Public.

Our experience of life today differs markedly from that of people who lived 300 years ago. Most of the differences are owing to technological developments and most of those relied heavily on the techniques and perspectives of calculus. The concepts that make calculus so effective are accessible to and interesting to people who will never personally take derivatives or integrals. It is inspirational to present calculus to people whose goal is intellectual curiosity. It requires one to focus on the question of why calculus has been one of the greatest and most effective intellectual accomplishments in history. Keeping that perspective in mind might well help in our presentation of calculus to students as well. (Received September 22, 2006)