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**Nitsa B. Movshovitz-Hadar\*** ([nitsa@technion.ac.il](mailto:nitsa@technion.ac.il)), Technion - Israel Institute of Technology, Haifa, 32000. *Communicating snapshots of news from contemporary mathematics - an on-going study carried out in senior high-schools in Israel*. Preliminary report.

How might it be possible to communicate the true nature of mathematics to high-school students, giving them a taste of contemporary mathematics without harming the progress in the mandatory curriculum, and despite the fact that they have not accumulated sufficient background to go in-depth into the details of the various pieces of news? To address these challenges we prepared (and are still preparing more) 15-20 minute Math News Snapshots (abr. MNS) as PowerPoint presentations, each evolving around a single piece of news published in the past 30 years in the professional literature. These MNSs are presented by the math teachers to their classes "squeezing" them once a fortnight into the already quite loaded curriculum. We use the metaphor: a bottom-glass boat tour over the stormy ocean of mathematics, as students are exposed to the beauty, the richness, the struggle, the creativity, and the contribution of mathematics to our modern era, without getting wet. The idea was presented at ESU5 in 2007 followed by an action research in one school (Amit Ph.D. study, 2011). In 2012, the Israel Science foundation granted a 3-years study to explore the feasibility of adapting it in the school-system. A sample MNS and some interesting results will be shared with the audience. (Received August 28, 2013)