

Participants in this three-day workshop will learn about teaching with primary historical sources in mathematics, and will be given the opportunity to prepare some primary sources of their own choosing to use in their own classrooms. They will also see how reading, studying, and teaching with primary sources can lead to scholarship in history of mathematics. The co-leaders of this workshop, Daniel Otero of Xavier University and David Pengelley of New Mexico State, each have almost two decades of experience teaching with primary historical sources in many courses and mathematical subjects at various undergraduate levels, and have presented and published extensively in this area (*see <http://www.math.nmsu.edu/~history>*).

"Vjgtg"ctg" o cp{"dpgg fvu"vq"vgcej kpi" ykvj" rtk o ct{"uqwtegu0""Kv" can capture the spark of discovery and motivate subsequent lines of inquiry, placing the learner close to the initial solution qh" rtqdn g o u" vjcv" yqwnf" gxgpvwcn{" f pf" tguqnwvkqp" kp" o qfgtp" concepts.

Okpkeqwtug" rctvkekr cpvu" yknn" f tuv" dg" kpvtqfwegf" vq" xctkqwu" rtk- primary source material that others have developed and used in undergraduate teaching, and model in groups the process of being students with these materials. Then participants will learn about the wealth of relevant materials available in libraries and

through the internet, and begin their own investigations towards selecting and preparing primary sources for their teaching. With guidance from the minicourse leaders, each participant will go through cycles of work resulting in primary sources prepared for their own classes, culminating in presentations of the results to the whole group. We will also visit the rare book room at the University of Ekpekppcvk"vq"ugg" f tuv/j cpf"uq o g"qn f"cp f"tctg" books important in the history of mathematics (e.g., a 1546 printing of Campanus' edition qh" Gwenk f u u" Gng o gpvu." c" f tuv" Ncvkp" g fkvkqp" qh" Descartes' Geometria from 1659, Jakob Bernoulli's Ars Conjectandi from 1713, et al.). Evening social activities will also be planned.

**Registration is \$175.00.**

**Limit 25 participants.**

**Deadline: 19 May 2008**

**Send \$50.00 deposit** (*made out to Xavier University*)

**TO: Daniel E. Otero**

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**Xavier University**

**Cincinnati, OH 45207-4441**

Kpenw fg"eqpvcev" kphqt o cvkqp" cp f" j q o g" kpukvwvkqp" with your deposit.

**Questions?** Contact: Daniel E. Otero at [otero@xavier.edu](mailto:otero@xavier.edu) \*735+ 967/4234" Kp" vjg" hwwwtg." o qtg" kphqt o cvkqp" ujqwnf" dg" available at [www.cs.xu.edu/~otero/2008ShortCourse/](http://www.cs.xu.edu/~otero/2008ShortCourse/)

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