

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



# STARGAZING & LECTURE SERIES

## The Harvard Computers: Pioneering Women Astronomers of the Early 20th Century

Ashley Pagnotta

Friday, March 17th, 7:00PM

Pupin Hall, Columbia University

Long before Apple, Microsoft, or Google existed, mathematics and scientific computations had to be done by hand, and the people who did them were called computers. A group of women who worked as computers at Harvard College Observatory in the early 1900s were responsible for some of the biggest breakthroughs in modern astronomy, but rarely get the credit they deserve. I will talk about some of the women and their discoveries, and the impacts they continue to have on astronomy today.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting).

All events are held at Pupin Hall at Columbia University. No reservations are needed.

Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want.

For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>