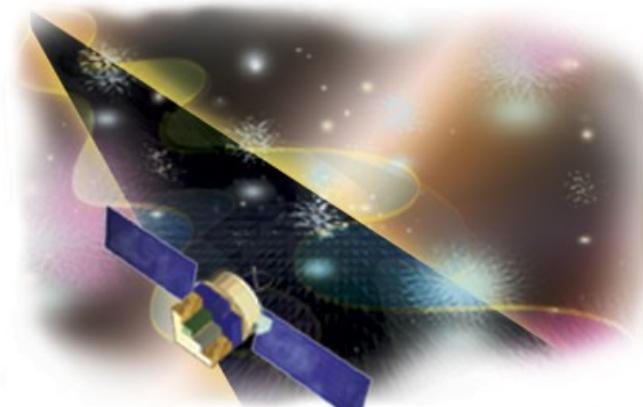




# Swift and GLAST EPO at SSU

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*Lynn Cominsky*

*Sonoma State University*

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*SSU E/PO*



# Swift/GLAST EPO

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- Goal: to use the observations and scientific discoveries of the Swift and GLAST missions to improve the understanding and utilization of science and mathematics concepts for grades 7-12 (Swift) or grades 9-12 (GLAST)
- *From the K-12 viewpoint – a gamma-ray is a gamma-ray!*





# Swift/GLAST EPO

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- **Major Program Elements in common:**
  - EPO Web Sites – both newly redesigned for LHEA CD
    - > <http://swift.sonoma.edu>
    - > <http://www-glast.sonoma.edu>
  - Monthly NASA Quest WebChats (9 in 00/01)
  - Poster and Teacher's Guide sets, Manipulatives
    - > Swift will focus on concepts (e.g., EM spectrum)
    - > GLAST will focus on objects (e.g., AGN)
  - Educator Training at National and Regional Conferences
    - > Gamma 2001: sponsored by GLAST - featured Swift materials on EM spectrum
    - > NSTA, NCTM, CSTA, CMC, NBSP
  - Independent Assessment by WestEd



# Swift/GLAST EPO

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- **Space Mysteries** – a planned series of 6 interactive, web-based modules that teach physical science and math at the high school level – <http://mystery.sonoma.edu>
- Three more modules will be developed by Swift and GLAST in 2003-2005

- Alien Bandstand – try it!
- Escape from the Doomed Planet – coming soon
- Star Market Scandal





## GLAST Unique Program Elements

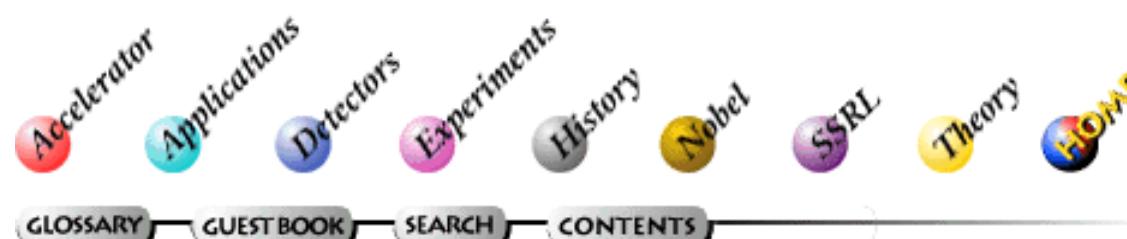
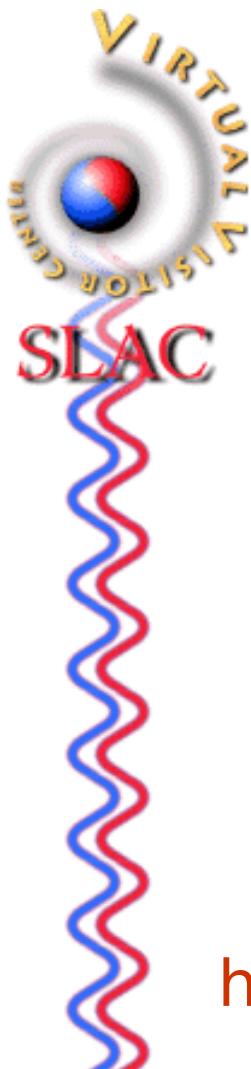
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- PBS Television Special with Tom Lucas Productions
- Telescope Network
  - High schools and amateurs
  - Will observe GRBs and AGNs
- SLAC Virtual Visitor's Center
  - Web site upgrade
  - Gamma-ray detector interactive pa
- TOPS Science Printed Lesson Plans and Activities
- GLAST Ambassadors Program
  - 5→10 educators who will help develop, test and disseminate material





# SLAC Virtual Visitor's Center



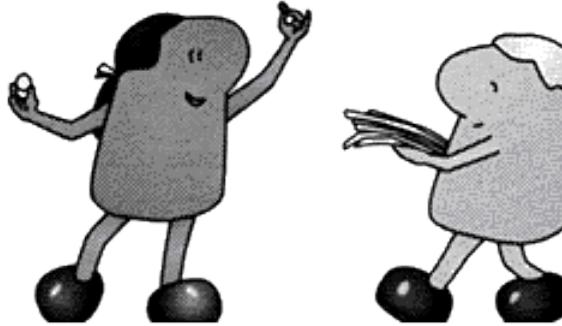
**EXPLORE THE VIRTUAL VISITOR CENTER**



<http://www2.slac.stanford.edu/vvc/home.html>



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