

# Announcements

- Reminder the SIG meetings are for all conference attendees (this also means all Cray employees are encouraged to attend)
- Mass storage Talk gets moved from 19B to 18A. Canceled session 19B.
- Start reception on Wednesday at 6:00PM
- Please turn off or place on vibrate your cell phones and pagers.
- Mail folders for the board are in the CUG office.



# Welcome to CUG 2003



# Ohio Proud



# Famous Ohioans



Neil A. Armstrong



Charles F. Brush



Annie Oakley



Thomas Edison



John H. Glenn, Jr.



Logan



Blue Jacket



Judith A. Resnik



James A. Lovell, Jr.



Charles Kettering



# NCAA Football National Champions



- Division III
- Mount Union College
- 3rd straight year
- 6th time in last 7 years



# NCAA Football Champions

- Division I
- Ohio State University



# Notable Anniversaries in 2003

- Ohio celebrates its bicentennial
- The Ohio & Erie Canal is 171 years old
- The first railroad in Ohio was built 165 years ago.
- First paved road, 110 years ago
- The centennial of the first Wright brothers flight
- CUG celebrates its 25th anniversary
- OSC is 15 years old



# Changes

- Things change quickly
- Only 250 years ago, we were still claiming land to settle this area known today as Ohio
- Only 100 years ago, to travel over 50 miles in a day required a train



# Change

- We have seen industry changes that affect the state based on transportation innovations
  - Foot & Horse -> Canal Boat -> Railroad -> Car -> Plane
- Which gave us new ways to measure efficiency using metrics such as:
  - Beaver pelts per season
  - Tonnage capacity per river boat
  - Revenue per rail car mile
  - Miles per gallon
  - Revenue per airline seat mile



# Change

- Now we see changes based on technology
  - OSC -> OARnet -> Internet -> Third Frontier Network
  - Which gives rise to new metrics to watch
    - NSF grants per PI
    - Network usage per university
      - song downloads per student?



# Change in HPC

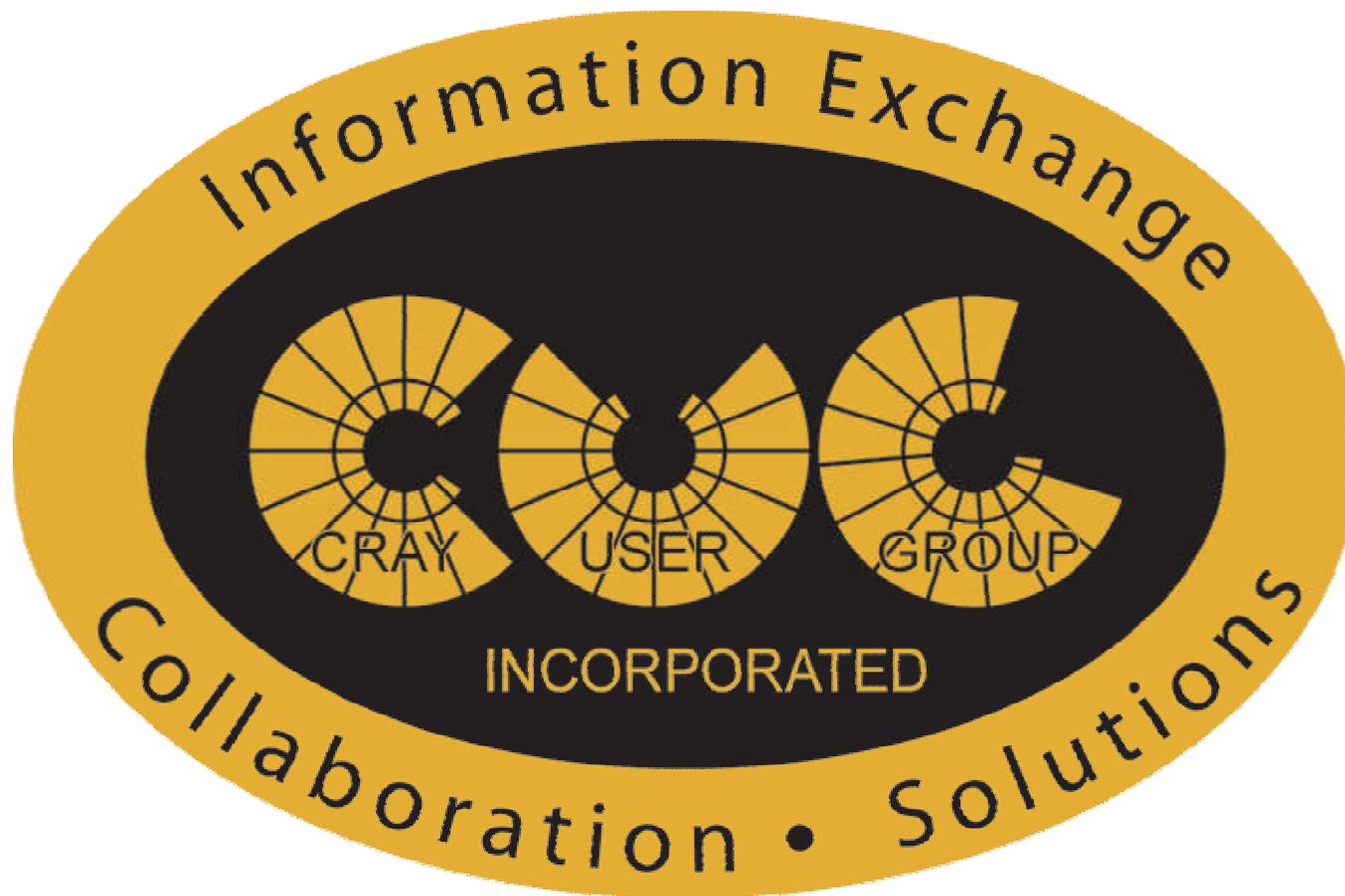
- Of course the HPC industry is not immune to change.
- The rise of commodity computing has changed the metrics to measure computing efficiency
  - Megaflops / sec
  - Gigaflops per cubic foot
  - Gigaflops per kilowatt



# Change

- But sometimes it takes change to find out that some things should not be changed.
  - You must to have the courage to make the decision to change
  - You must have even more courage to acknowledge a mistake and correct it.
    - Remember “New Coke”





# This Week

- We welcome the return of CUG “Classic”
- We want to highlight the past, those who went outside the box to create our present.
  - Janet Bednarek
- We want to provide some inspiration to take the risk to create the future.
  - Cray
  - Jeffery Harrow



ENJOY!

