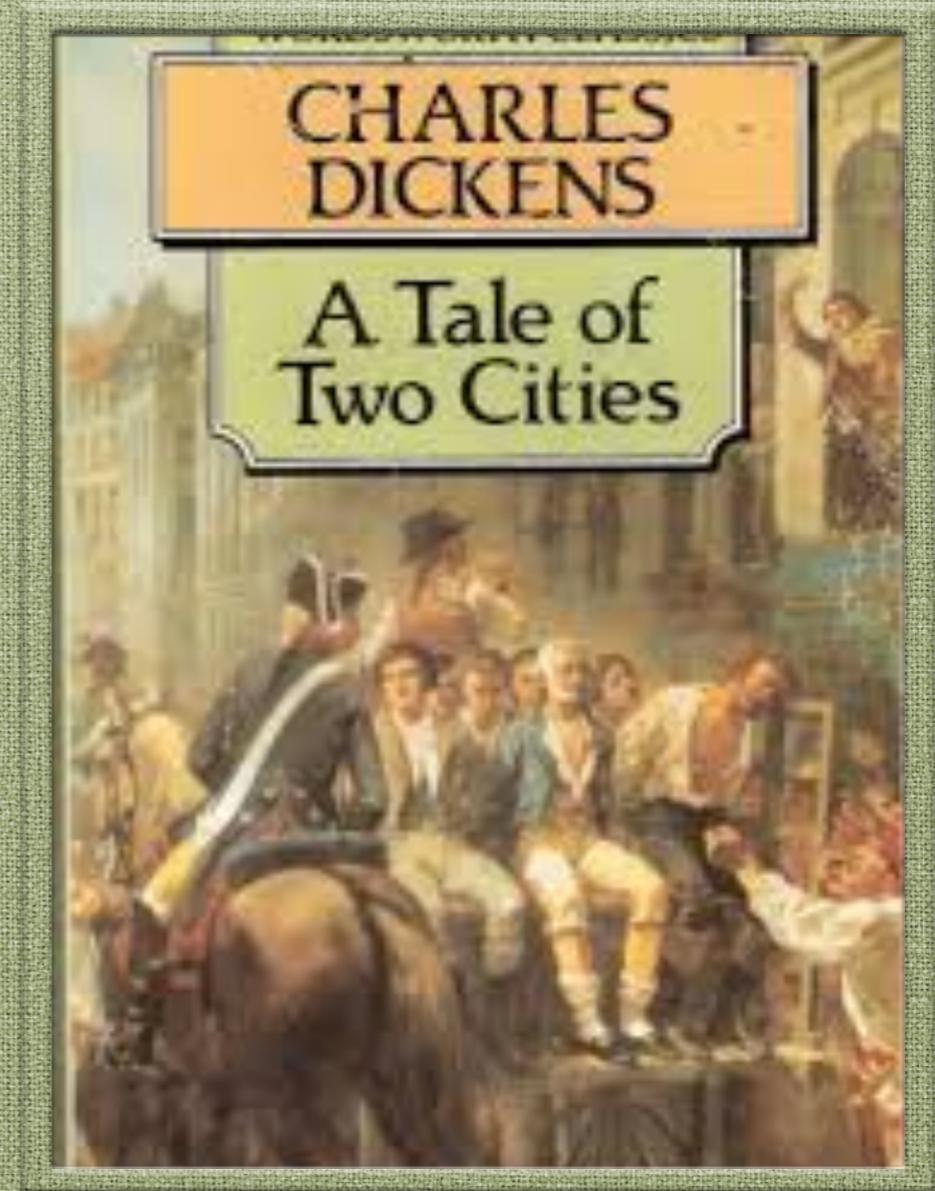


View From Operations:

It was the best of times, it
was the worst of times



Spotlights

A spectacular run for Operations

- ❖ First run in long time fully staffed
- ❖ Very hands on run (coordinating elens, SC, tuning)
- ❖ Training wheels are off (collimation)
- ❖ Special shout out to Machine Specialists for the efficient startup- always ahead of schedule

Spotlights

Mode Switching

- ❖ A few bugs at the beginning
- ❖ Made switching between pp and Au/Al very efficient

Spotlights

A/C

- ❖ Helps when you don't run through July...
- ❖ Lots of upgrades last summer shutdown and it shows

Spotlights

- ❖ VHS: AMAZING run coordinator! Clear instructions for operations and always a mentor. He is a humble proton god.
- ❖ FFS: The poor man was called an obscene amount of times. Always there for operations and deserves a closet full of spotlight awards.
- ❖ Mernick: Quick and efficient with setup. Answered machine related question that were great for operations knowledge.
- ❖ Al: The man can't possibly sleep. Takes on so many things and is there for operations at all hours.

Anti-Spotlight

AI- The double edge sword

- ❖ Has taken on even more stuff.
- ❖ Tuning ramps that sometimes undo changes operations have made.
- ❖ We want the training wheels off: let us do feed forwarding!
- ❖ OptiCalc

Anti-Spotlight

Polarization measurements

- ❖ A complaint that continues: too much time and inefficient
- ❖ Limited to one plane at a time: measurements at injection, ramp, and store eat into valuable physics time and inevitably hurt the beam
- ❖ Ramping down the landaus: Is this really necessary? Brings another dangerous component to a risky measurement.
- ❖ CAMAC problems

Anti-Spotlight

- ❖ Machine Development/APEX
- ❖ Blaskiewicz 2014 retreat: Nobody deliberately tries to hold up program- everybody is acting with RHIC/Experimenters' best interest at heart...with that being said
- ❖ Not always particularly organized (different injection energies scheduled at same time, maximum brightness, etc.)
- ❖ In past years APEXers needed to submit a list of elements that would be effected during their experiment. This should be re-implemented.

Anti-Spotlight

Communication Issues

- ❖ Longitudinal collisions at STAR: Didn't know until the last minute that it wasn't working
- ❖ Deteriorating polarization mystery: VHS and Keith working overtime and a half but where was everyone else?
- ❖ Literal communication issues: paging system down, the timing was terrible

Sweeping This Under the Rug?

6ED1 Incident

- ❖ Someone intentionally messed with the latch of an emergency exit for a makeshift entry gate
- ❖ The door doesn't have a handle for a reason
- ❖ Bypassing the access controls system is just about the most dangerous thing you can do
- ❖ Similar events have resulted in much worse consequences. This cannot happen again.

Pi Day Massacre: Never Forget

- ❖ For the most part Operations got the proper support
- ❖ In times of crisis: Don't call us, we'll call you.
- ❖ Vacuum and Water Group...where are you guys? Marco?

Looking to the Future

This that can be approved upon in the future:

- ❖ Software QA: often operate on systems not fully released per the documentation system (PLC code leading to some surprises)
- ❖ Mechanisms for support groups leaders to inform MCRGL of makeup changes (and vice versa)
- ❖ LINAC RF system: caused Operations some heartache. LLRF will be investigating in coming years.
- ❖ Prefire protection and apologies to PHENIX: Not 100% preventable but we must take a good hard look at how we do things (protection bump, masks, abort system)