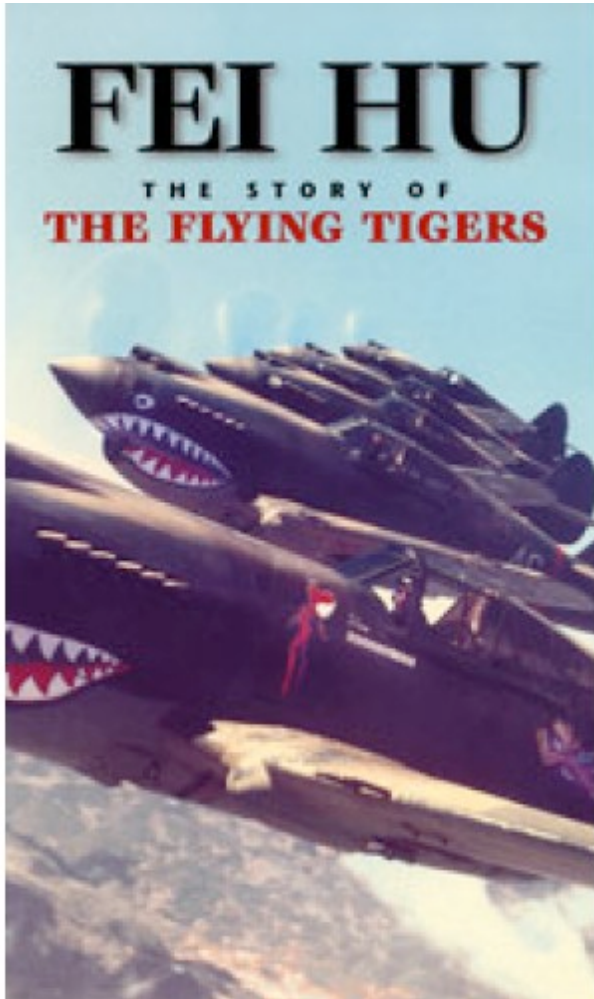


The Legacy Computer Challenge

Matt Schultz, Grand Valley State University
Mid-Michigan Digital Practitioners Meeting
Michigan State University
Friday, October 14th, 2016

Fei Hu Films: The Story of the Flying Tigers



- GVSU preserving electronic records of Fei Hu Films - a documentary film production company
- Frank Boring (GVSU) & Frank Christopher (Penn State Public Media)
- Tells the story of the American Volunteer Group (AVG) - provided relief support/training to China before and after WWII
- AVG were precursors to the Civilian Air Transport (CAT) - eventually becoming Air America (CIA)

Legacy Computer Challenge



- Mac Classic II (1991)
- Power Mac 6500 (1997)
- Both still work
- No peripherals (ADB)
- Floppy & CD-ROM
- SCSI & External Floppy Interfaces
- Emails, documents, and other production records

Research to Date

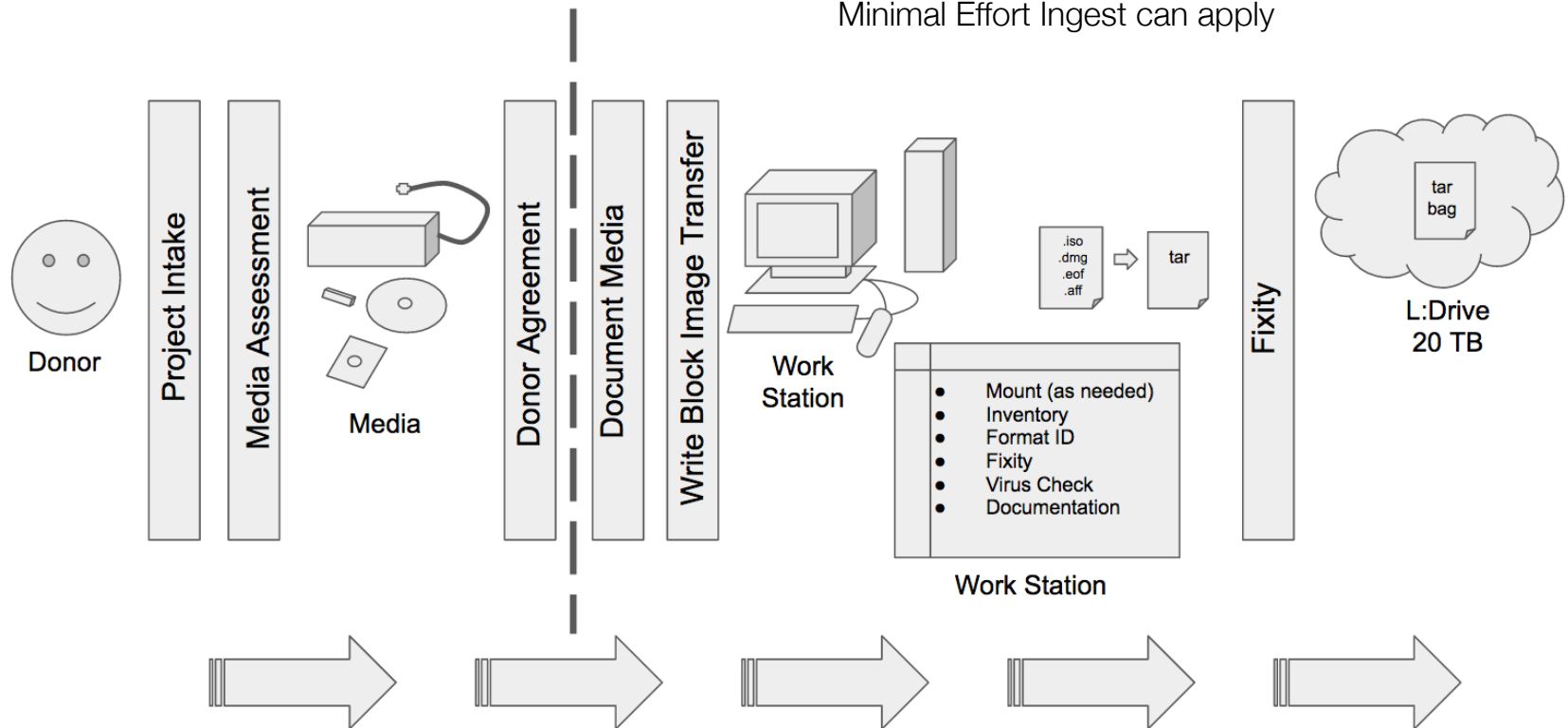
- ***Born Digital: Guidance for Donors, Dealers, and Archival Repositories (2013)***
(<https://www.clir.org/pubs/reports/pub159/pub159.pdf>)
- ***OCLC Demystifying Born-Digital Resources***
(<http://www.oclc.org/research/themes/research-collections/borndigital.html>)
- ***SPEC Kit 329: Managing Born-Digital Special Collections and Archival Materials (August 2012)***
(<http://publications.arl.org/Managing-Born-Digital-Special-Collections-and-Archival-Materials-SPEC-Kit-329/>)
- **Vintage Mac Museum**
(<http://vintagemacmuseum.com/>)
- ***Others?***

Pre-SIP Processing

Goal: Obtain donor permissions and accomplish secure transfer/capture of source media contents or disk image for deposit in Network Storage

Pre-SIP Processing

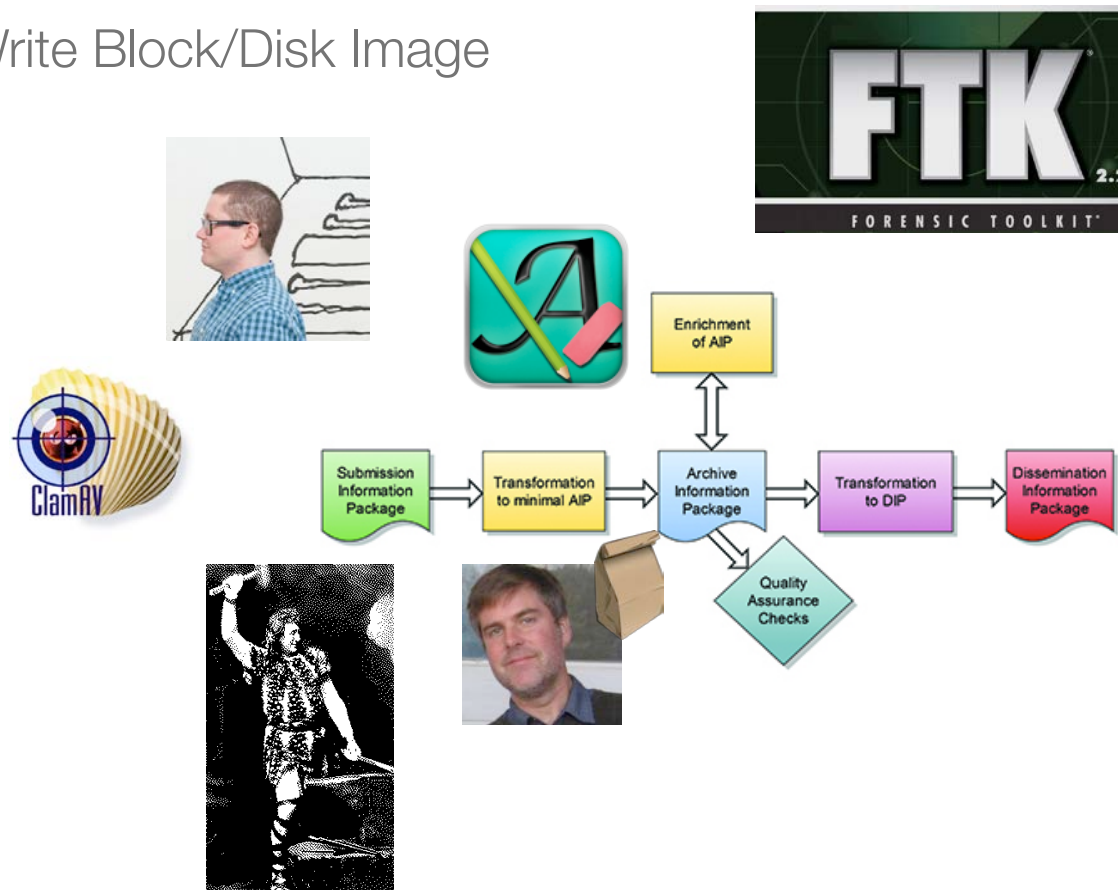
Note: Very interested in how Minimal Effort Ingest can apply



Pre-SIP Processing

- ✓ Document the Media
- ✓ Gather Tools
- ✓ Copy/Transfer Content or Write Block/Disk Image
- ✓ Inventory
- ✓ Format ID
- ✓ Virus Check
- ✓ Fixity
- ✓ Documentation
- ✓ TAR -> Bag -> Store

BitCurator



Post Pre-SIP Processing

✓ **SIP Processing**

Goal: Mount disk image; export target collections; process, arrange, normalize, describe contents; and package (or create) “presentation” derivatives

✓ **AIP Processing**

Goal: Package original/master content with technical & descriptive metadata and depositing back into Network Storage and GVSU Glacier

✓ **DIP Processing**

Goal: Export presentation content from Network Storage for delivering access derivatives; validate fixity; send or stream/emulate (as available)

✓ **Media & Source Disposition**

Goal: Securely document and store all hardware media and source content for as long as resources permit; file system re-formatting and data deletion may be necessary at later stages - according to defined criteria

Advice, Advice, Advice

1. Advice on SCSI interface? Write Blockers?
2. Advice on peripherals? Networking in?
3. Redaction - Pre-SIP or later?
4. Policy or MPLP? Minimal Effort Ingest?
5. Responsibly transferring disk images over a network?
TAR? BagIt?
6. Do we need a MMDP Best Practices & Tech Exchange?