

A Comedy of Errors

Preservation challenges at
Texas Tech University

The Physical Years (1926-2005)

- Embargo was simple- a drawer
- Moved to ETDs in 2005
 - Running out of space
 - Lack of resources for printing
- Started ETDs as a time saving measure

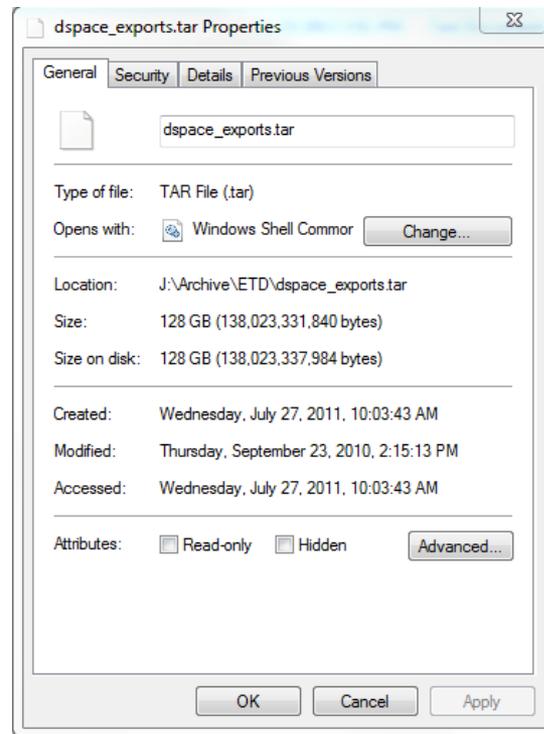
Scanning (2005-2009)



Virginia Tech System(2005-2009)

- Almost lost all Embargoed items from 2005-2009
- Saved by a random conversation and an Accidental archive
- Plans didn't survive past the people who made them

Virginia Tech System and the near miss (2011)



Local Vireo Problems (2009-2010)

- Administration assumption-
 - Library didn't need to be involved
- Frustrating “Dark Age” for ETDs
 - no one was really in charge of the ETD collection in DSpace.

Local Vireo Problems (2009-2010)

- Embargoed items were in peril
- only one copy on a shaky local instance of Vireo

The start of Digital preservation (2011-2012)

- Single points of failure, Local DSpace and Local Vireo
- Established archive space ~50 TB
- Pulled a copy of everything- disregarding overlap
 - Dspace (17k items)
 - Vireo (3k items)
 - Virginia Tech (14K items)
 - T&D scanning project (12K items)

The start of Digital preservation (2011-2012)

- Didn't have time to review items one by one.
- Just “preserved” everything
- Started a “manifest”
- But still no Metadata librarian involved

Metadata involvement (2012- 2013)

- Put Shelley in charge of ETD collection
- Finally had one contact at the library
- Made list of “lost” items
- Revealed gaps
- Realized that while things were safe, they weren't organized

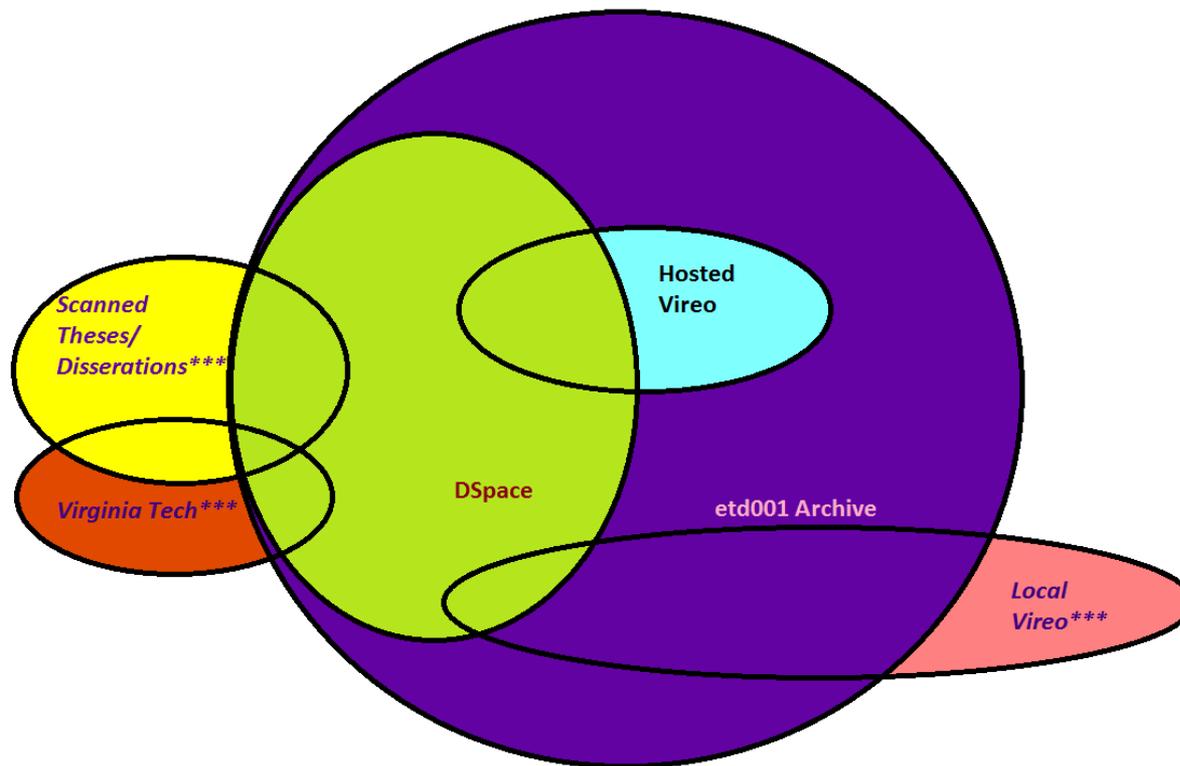
Metadata involvement (2012- 2013)

- Started reviewing ETDs item by item
- Started identifying where things were
- Found all “lost” ETDs.
- Started the long process of cleanup

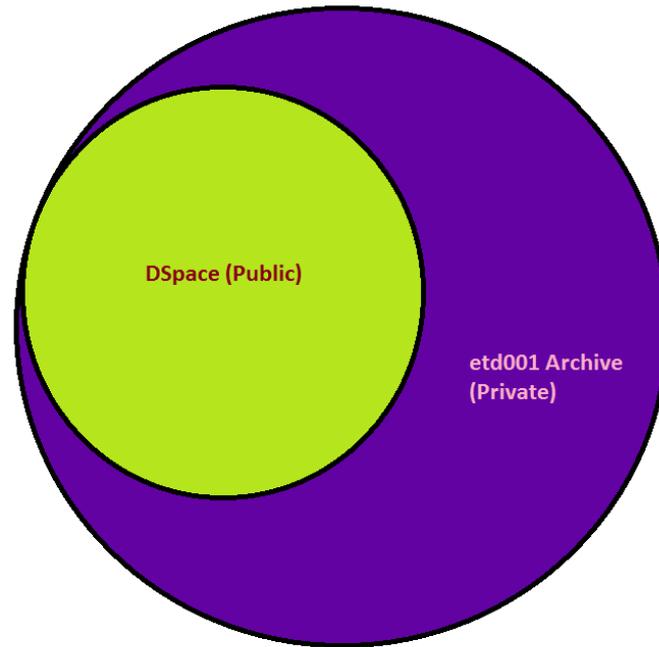
“Digital Stewardship” (2013-present)

- Moved into Digital Resources Unit
October 2013
- Goal: Clean up the archive and
streamline workflows
- The DPN factor
- Current project: Audit the ETD collection

Current situation

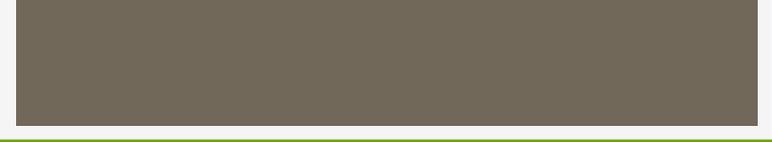


Ideal situation



The Challenge

- Need to rein in ~1,800 out of 16,000 ETDs
- Have to identify duplicates and “other oddities”
- Need to create stub records in Dspace for embargoed items
- ETA: 2016

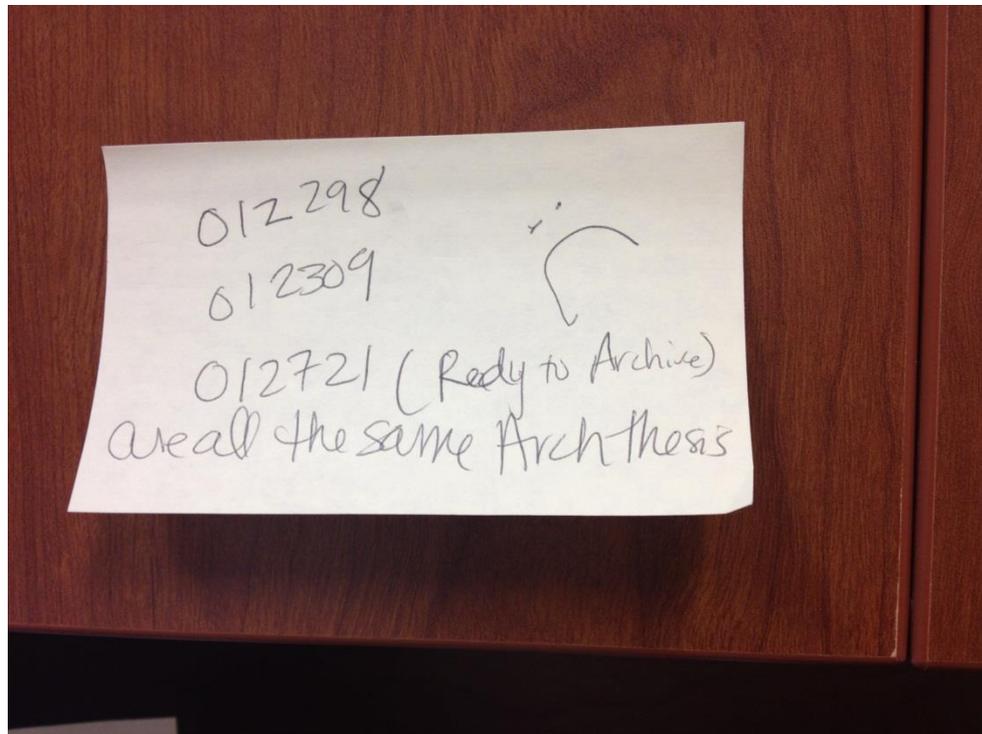


Getting to Ideal...

ETD Audit

C	D	E	F	G	H	I
	TITLE	DEPARTMENT	DEGREE	ARCHIVE LOCATION	EMBARGO	URI
	Exploring Motivational Factors in College Students' Foreign Lan Education Psychology		Doctoral	TEMPORARY COPY	VT: Withheld	
	Eeg Power and Coherence Features of Alzheimer's Disease and Electrical Engineering		Doctoral	TEMPORARY COPY	VT: Withheld	
	Automatic and Interactive Texture Segmentation Techniques for Electrical Engineering		Doctoral	TEMPORARY COPY	VT: Withheld	
	Ernest Hemingway and Gabriel Garcia Marquez: Cultural Ascend English		Doctoral	???		
	The Gothic Short Stories of Louisa May Alcott in the Context of English		Doctoral	???		
	Development of Resistance to Agrochemical in Thamnocphal Environmental Toxicology		Doctoral	TEMPORARY COPY	VT: Restricted (On campus only)	
	Cognitive Impairment in Mdx Mouse	Experimental Psychology	Doctoral	???		
	Judgements of Collision: Theoretical Practical Implications	Experimental Psychology	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Behavioral Complexity and Effectiveness Among Cooperative E Family & Cons Sci Educ		Doctoral	TEMPORARY COPY	unknown	
	Family and Consumer Sciences Teachers' Special Education Nee Family & Cons Sci Educ		Doctoral	TEMPORARY COPY	unrestricted	
	A Primer on the Aesthetics, Fabrication, and Culture of Lowride Fine Arts (Art)		Doctoral	ttu_etd001_012365, TEM	unknown	http://hdl.handle.net/234
	Fine Arts Faculty Evaluation Process in Higher Education: Its Val Fine Arts (Theatre)		Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Effects of Cadmium at Low Concentrations on Anuran Develop Fisheries Science		Doctoral	TEMPORARY COPY	VT: Withheld	
	Petrology and Emplacement History of the S-Type Intrusion, Si	Geoscience	Doctoral	???	unrestricted	http://hdl.handle.net/234
	Atmospheric Boundary Layer Evening Transitions Over West Te	Geoscience	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Stable Isotope Geochemistry of Upper Cretaceous and Paleocce	Geoscience	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Assessment Training for Faculty: Effects on K-12 Teacher Prepar Higher Education		Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Faculty Actions and Student Satisfaction in Distance Education (Higher Education)		Doctoral	TEMPORARY COPY	VT: Withheld	
	Understanding the Generation Y American Food Market: the Ro Hospitality Administration		Doctoral	TEMPORARY COPY	VT: Withheld	
	Negotiating Identity: a Qualitative Study of Second Generation Human Devlmt. & Family		Doctoral	TEMPORARY COPY	VT: Withheld	
	Selection and Socialization of Young Adult Romantic Partners' C Human Devlmt. & Family		Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Simulation of Tossing - Biomechanics and Motor Control	Industrial Engineering	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Integrated Approach to Vehicular Movement Network Modelin Land Use Planning Mgt & D		Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	An Adolescent Behavioral Health Screening, Distinct Primary C	Marriage and Family Thera	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Parental Influence on Hispanic Adolescent Substance Use	Marriage and Family Thera	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Ecological Systemic Influences in The Development of Adolesci	Marriage and Family Thera	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Humility as Catalys of Client Change: A Delphi Study	Marriage and Family Thera	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	The Integration of Sponsorship into Corporate Marketing Plans: Mass Communications		Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Stochastic metapopulation models and watershed estimates for	Mathematics	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Robust Control of a Magnetostrictive Actuator	Mathematics	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	Optimal Control Strategies for Saccadic Eye Movements in Hum	Mathematics	Doctoral	TEMPORARY COPY	unknown	http://hdl.handle.net/234
	Continuum Thermodynamics and Kinetics of Structural Change: Mechanical Engineering		Doctoral	TEMPORARY COPY	unknown	
	Nanoscale Phase Field Modeling of Stress-Induced Martensitic	Mechanical Engineering	Doctoral	TEMPORARY COPY	VT: Withheld	
	The Micro-Mechanical Modeling of the Strain-Induced Phase Tr	Mechanical Engineering	Doctoral	TEMPORARY COPY	VT: Withheld	
	The Role of Human Capital Investment as a Financial Safeguard	Personal Financial Planning	Doctoral	TEMPORARY COPY	VT: Restricted (On campus only)	
	Success Within the Financial Planning Profession	Personal Financial Planning	Doctoral	TEMPORARY COPY	unrestricted	http://hdl.handle.net/234
	The Relationship Between Undergraduate Student Debt and Po	Personal Financial Planning	Doctoral	TEMPORARY COPY	unknown	

Surprises along the way



Discussion

- 2 years of clean up work ahead of us
- We tried to treat curation as simple when it was actually complex.
- Upper admin were calling shots, but not involved with day to day running.
- Stub records for embargoed items have their uses

Students are not informed

- We assumed students wouldn't change their minds
- We were very wrong.
- We see a need to educate students on benefits and dangers of “publishing” and embargo

Conclusion

- Multiple copies in different places
- Keep a list
- Procedures for documentation so it will last
- Know where everything is