

Holt Zaugg

Quincey McKeen Greg Reeve



Library Description



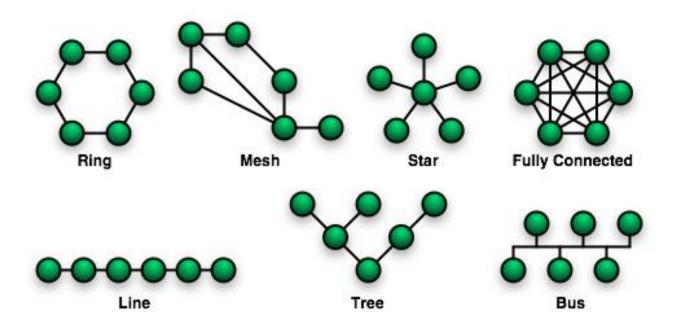
- 33,000 faculty, undergraduate & graduate students
- 160 full- & part-time, non-student library employees
- Six divisions
- Administration
- Library Information Technology
- Special Collections

- Administrative Services
- Public Services
- Technical Services



Considerations

- Communication Levels
- Complexity
- Modalities





Method

- Self-reporting survey
 - all FT & PT, non-student employees
 - reminders to non-responders
- Reported level of communication with others
- Three-weeks completion time frame
- Communication Unit = one-way communication between 2 people
- Levels:
 - A = No contact (No communication with person)
 - B = As needed (an immediate or short-term interaction)
 - C = Minimal (simple communication i.e., monthly newsletter)
 - D = Moderate (medium level interaction)
 - E = Strong (reoccurring important interaction)
 - F = Deep (intense, complex communication).



Method: Categories

Cohesion

Amount & type of relationships among employees within each division & department

Structural Equivalence

Percent of identical and different Communication Units in division

Prominence

Percent of total possible pathways available in a division

Obscurity

Percent of employees in each division indicating no contact with others

Brokerage

 Most common communication level used within each division and between other divisions



Findings: Response Rate

Division	Total Employees	Number of Participants	Participation Rate
Administration	8	6	75%
Administrative Services	10	9	90%
Library Information Technology	20	17	85%
Public Services	52	38	73%
Special Collections	28	18	64%
Technical Services	49	37	76%
Total	167	125	75%

Desired Response rate of 80% or better.



Findings: Cohesion

Amount & type of relationships

- Smaller Units* have higher cohesion on all levels
 - Administration 88%
 - Administrative Services 97%
 - LIT 94%
- Larger Units have lower cohesion
 - Cataloging & Metadata (30 employees)
 - Materials Acquisitions (18 employees)
- Dispersed Units have lower cohesion

^{*} Units = departments &/or divisions



Findings: Structural Equivalence

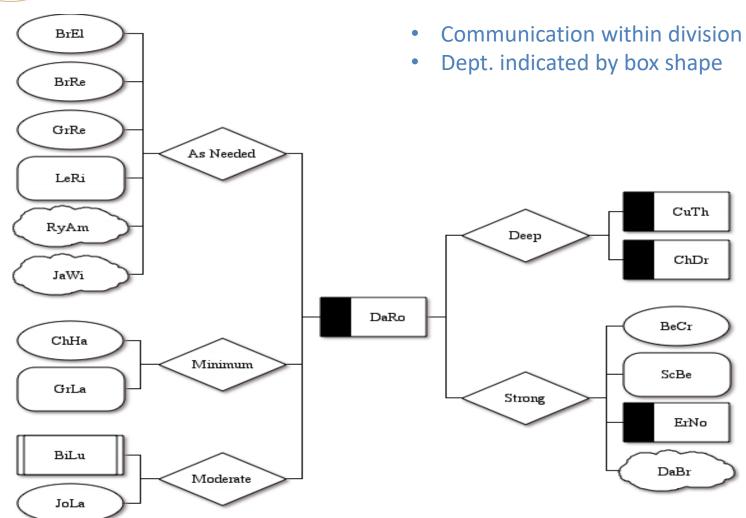
Identical & Different Communication Units

- Identifies if directionality of communications is uniform
 - B = uniform; D = not
- Administrative Services & Administration largest difference
 - Newsletters with no response
- Needs to have individual review to determine appropriate levels
- May use personal communication genealogy

Library	Z To	Z From
Employee	Others	Others
Α	Strong	Deep
В	Deep	Deep
С	As Needed	Moderate
D	Minimal	No Contact
E	Moderate	Moderate
F	Minimal	Minimal
G	Minimal	No Contact
Н	Moderate	Strong
l I	Minimal	As Needed
J	Moderate	Deep
K	Minimal	Moderate



Findings: Personal Communication Genealogy

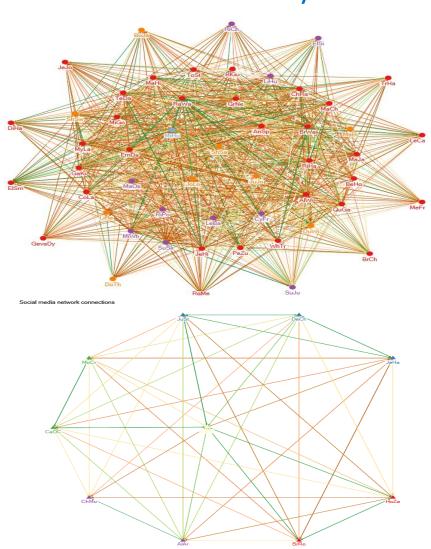




Findings: Prominence

Possible Communication Pathways

- Potential pathways to use for communication
- Ranges from 48 100%
 - Somewhat misleading
 - -48% of 870 = 418
 - -100% of 90 = 90
- Need to examine:
 - Obscurity
 - Individual patterns





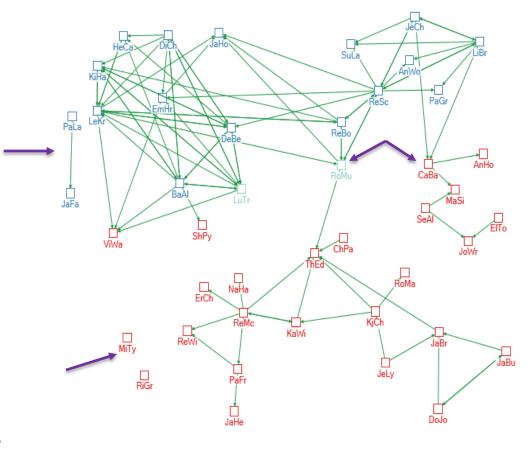
Findings: Obscurity

No contact with Others

 Hinders communication, innovation & problem solving

Most are:

- single or small groups
- located on different floor or area
- between employees in different divisions or departments
- Arrows indicate obscurities or bottlenecks



Obscurity on one level mitigated by connections on other levels



Findings: Brokerage

Most Common Communication Level in Division

Contact within divisions:

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no contact (1) deep (1)
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as needed (2) moderate (2)

- Contact outside of home division
 - 23.5 / 30 (78%) are "no contact" (one tie)
 - 60% of these involve more than half of division employees
- Administration unique as within and outside division communication is "as needed"



Conclusion

- Overall communication in library is strong
 - Occurs on multiple levels
 - Has multiple pathways
 - Contact within most divisions & departments is solid
- Communication between divisions is weak
- Individuals need to review communication genealogy to determine if at appropriate levels
- Considerations:
 - making larger departments smaller
 - Co-locating employees for better contact
 - Having activities/opportunities to get to know or work with others outside of division/department



Limitations

- Low response rate (less than 80% as a whole)
 - 3 divisions were within 7%
 - 1 division was less than 2/3
- Analysis was single view at single point in time
 - Patterns change as job duties & personnel change
- Time frame affects ratings
 - Week, month, semester, year
- Modality may affect patterns
 - We tried to consider all but just using one or two may change
- Accuracy of individual memory



Thank you & Questions

Holt Zaugg

Assessment Librarian

Phone: 801-422-4178

Email: holt zaugg@byu.edu

In God we trust. Everyone else needs to bring data!