A Highly Interactive Pedigree Viewer
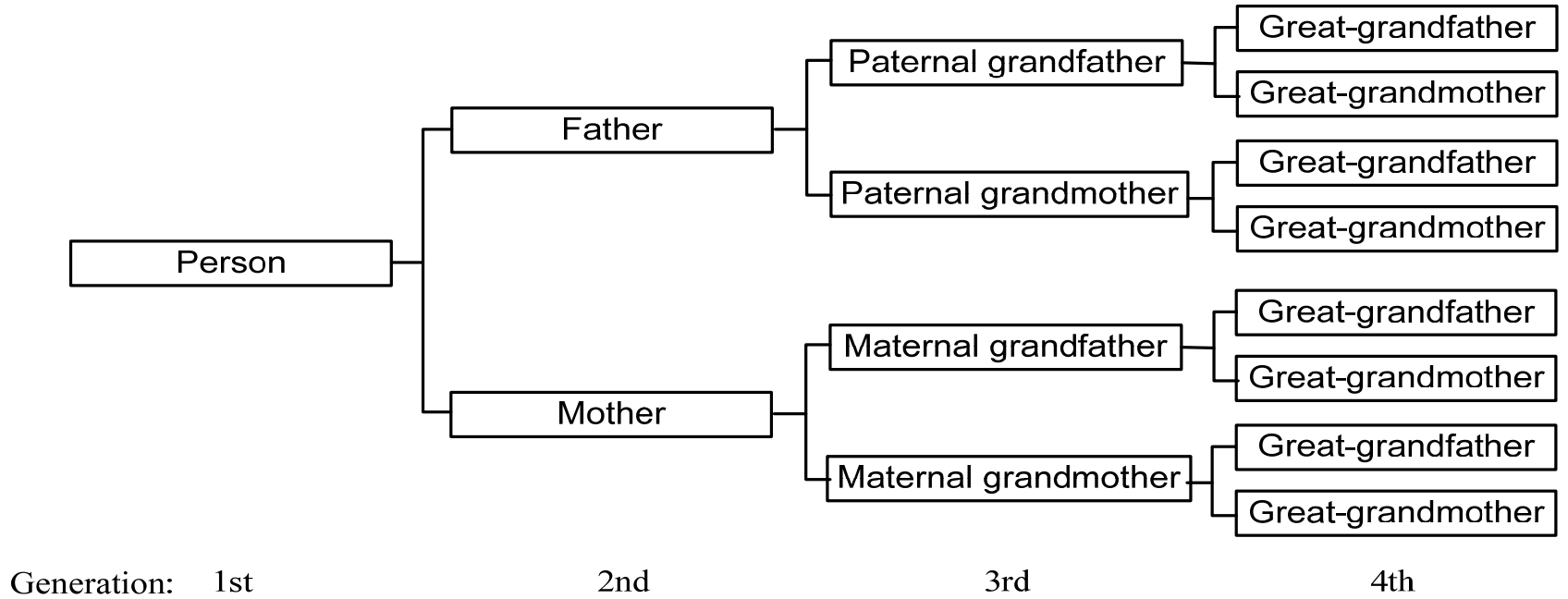
Joe Martel

marteljm@ldschurch.org

jmartel3@gmail.com

Purpose of a Pedigree Viewer

- Visualize generation relationships
  - Ancestor (Parents)
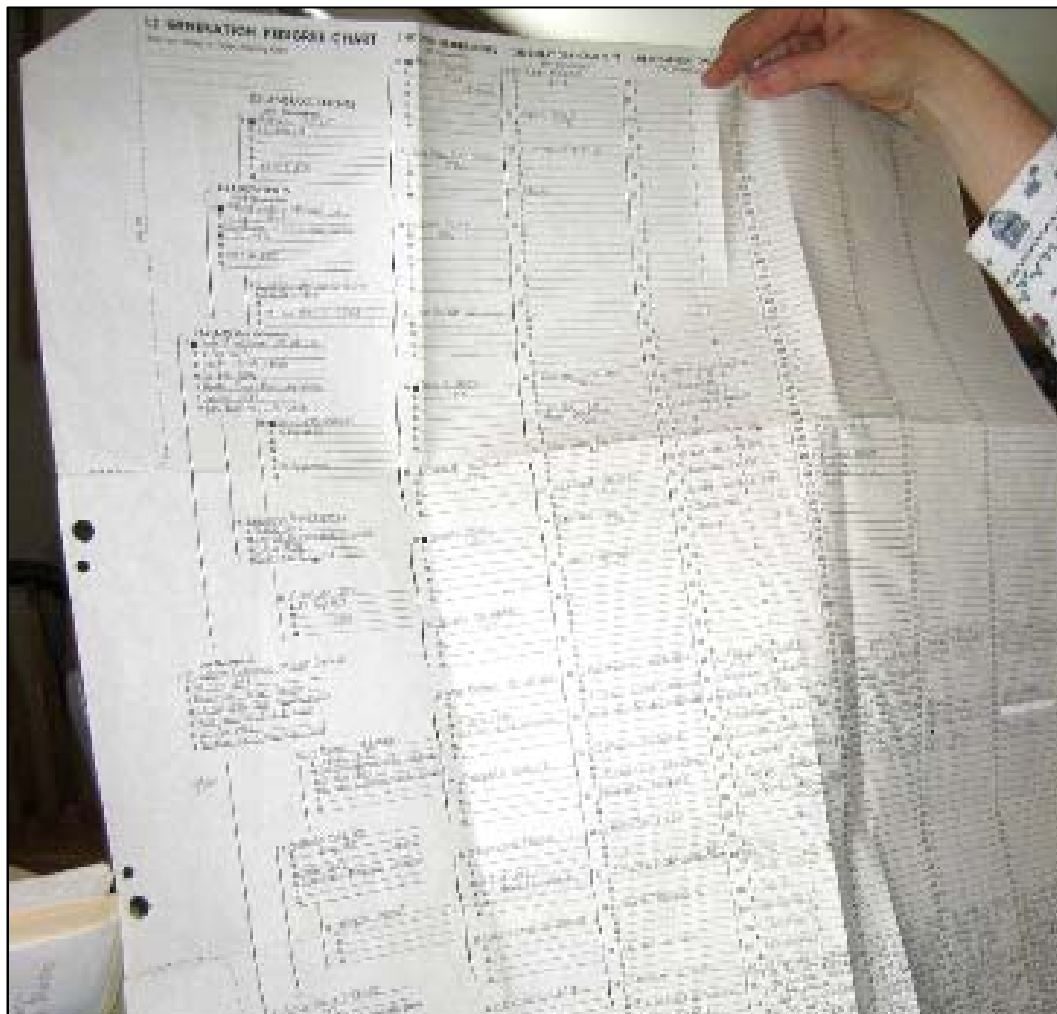 - Descendant (Children)

- Navigate

- Extend

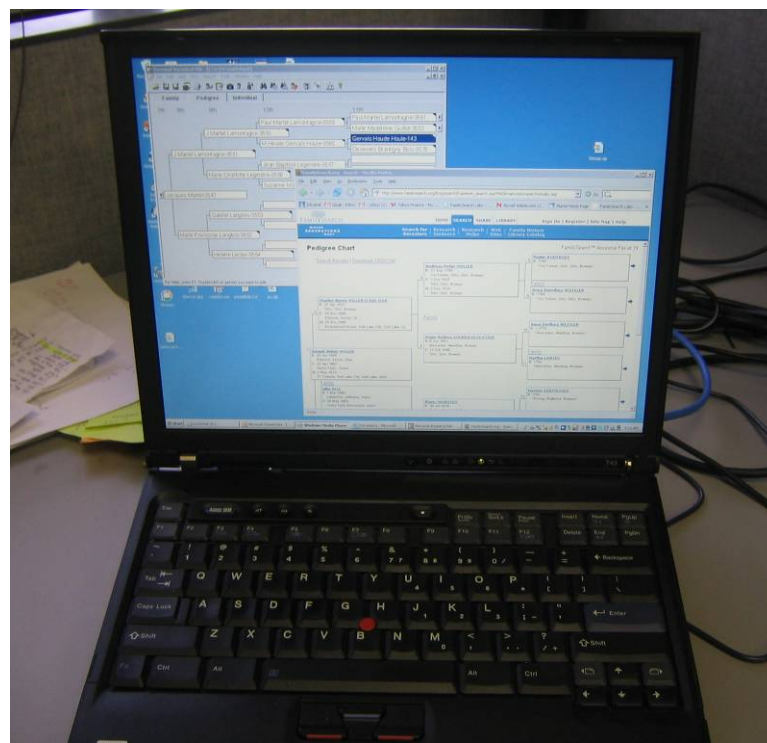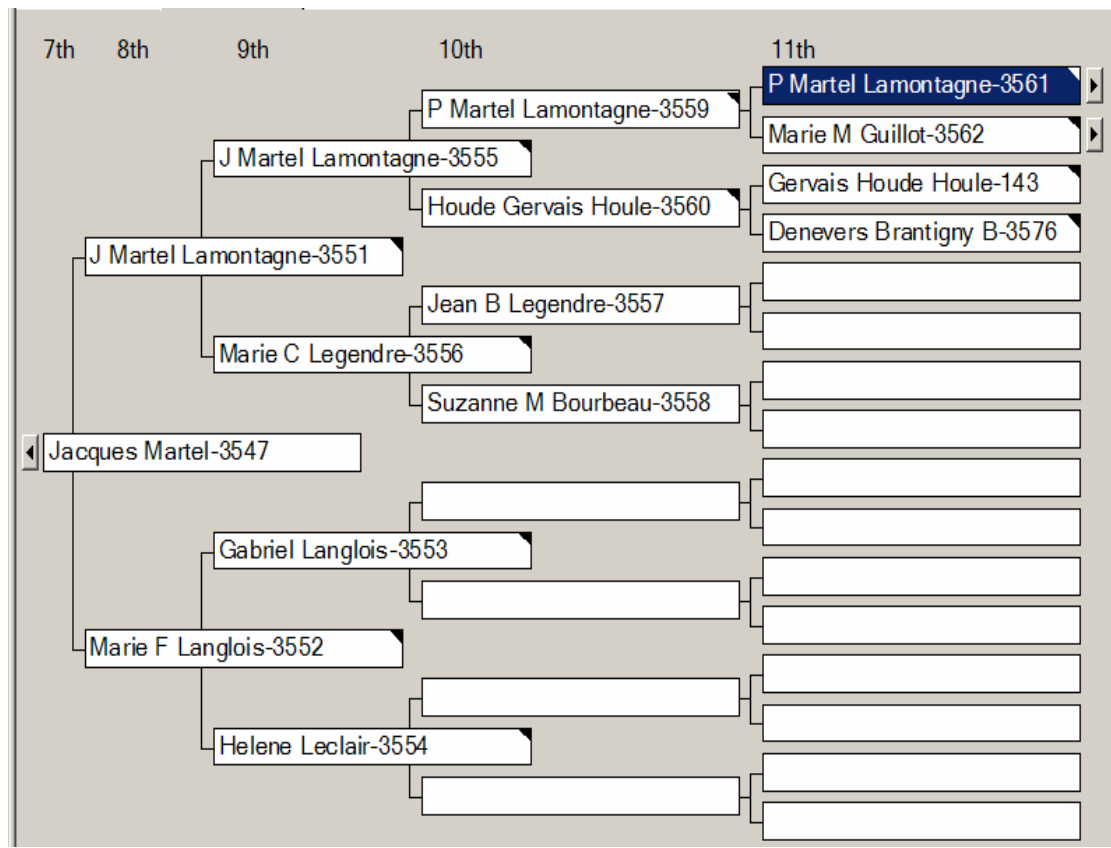Traditional 2-d block view

Paper Medium

Large Charts
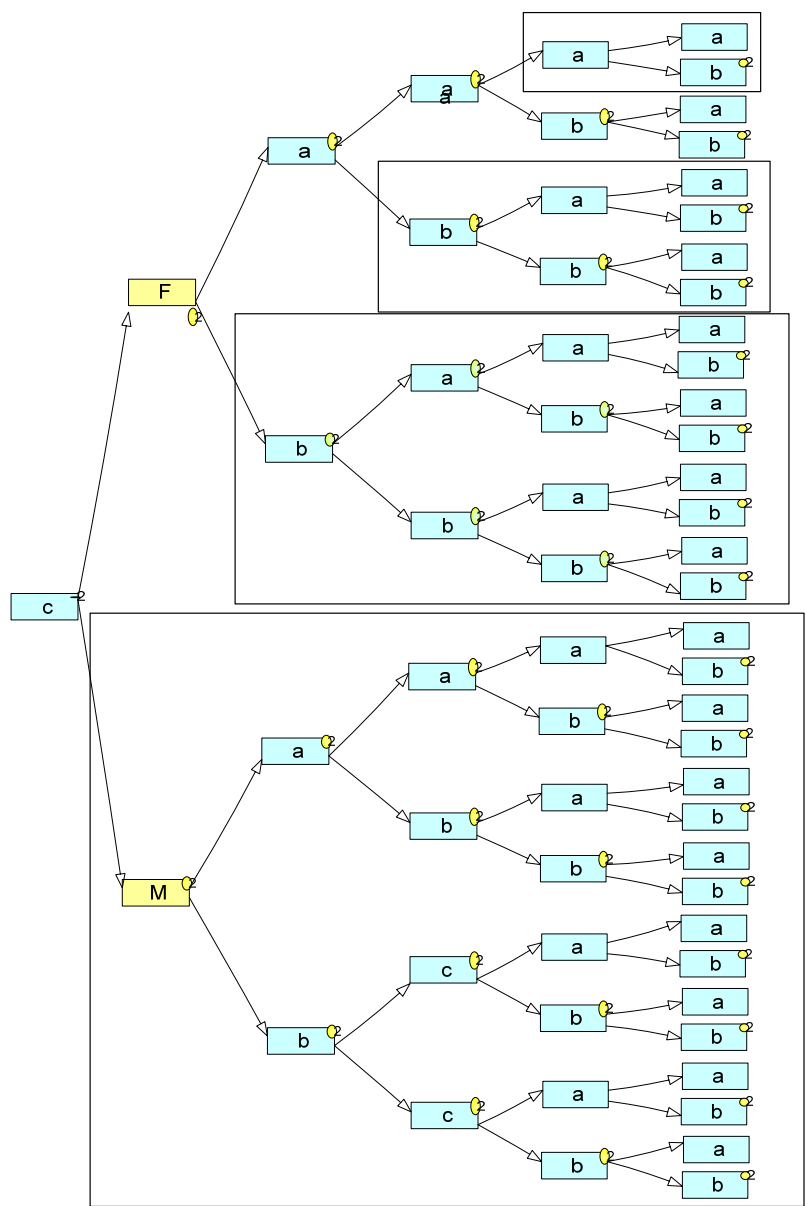
Home Printer

Computer Medium

- Computer Display
  - Interactive
  - Small viewport
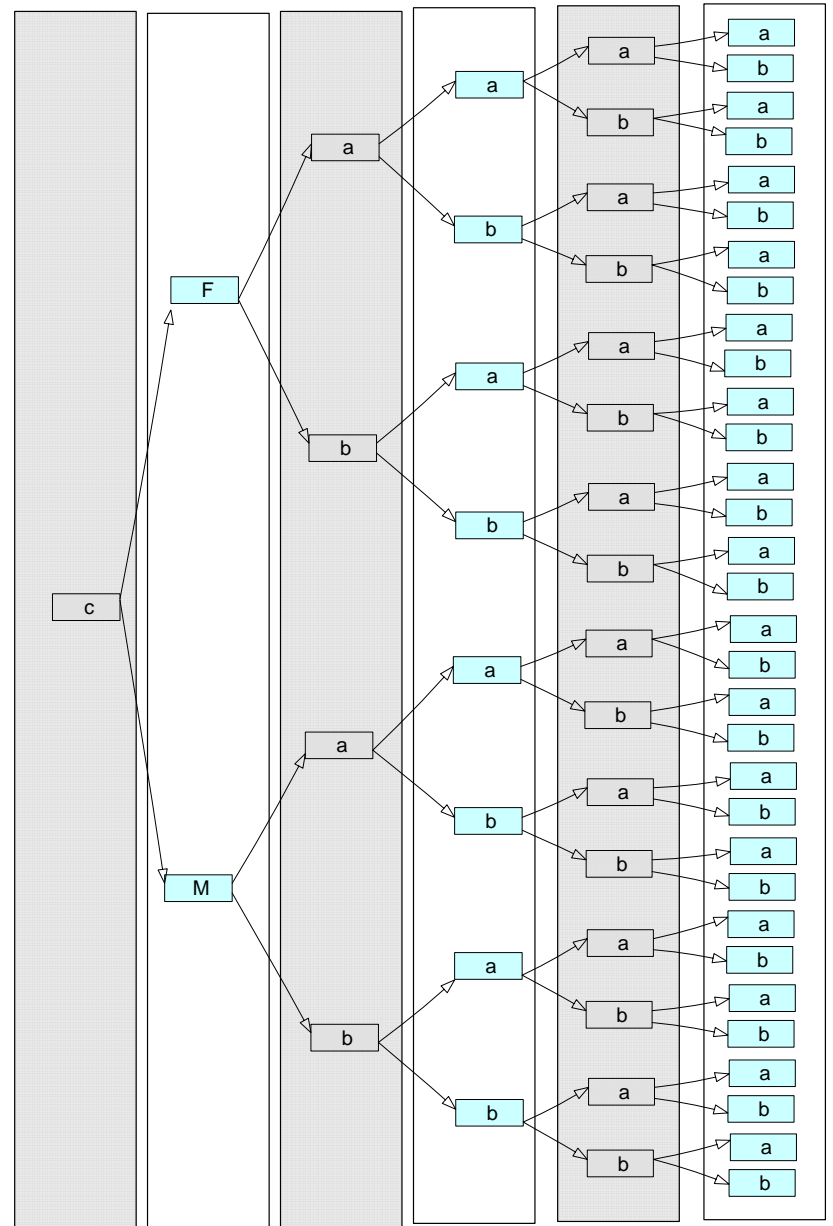
"Looking through a straw"

Spouse / Parent

Spatial
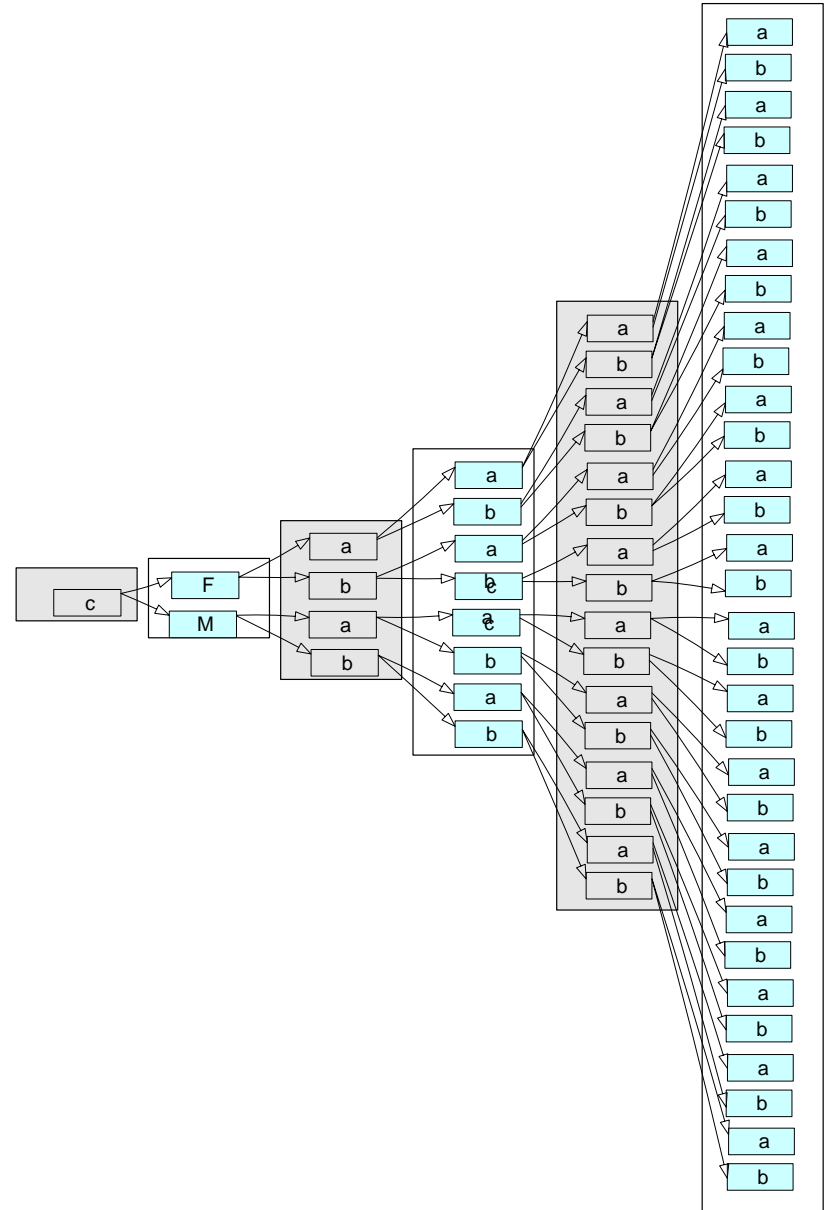
Separation

Functional Requirements

- See relationships, regardless of scale
- Distinguish individual (vitals, expand)
- See gaps in the tree
- Switch Ancestor and Descendant view
- Indicate multiple spouses
- Input - Gedcom

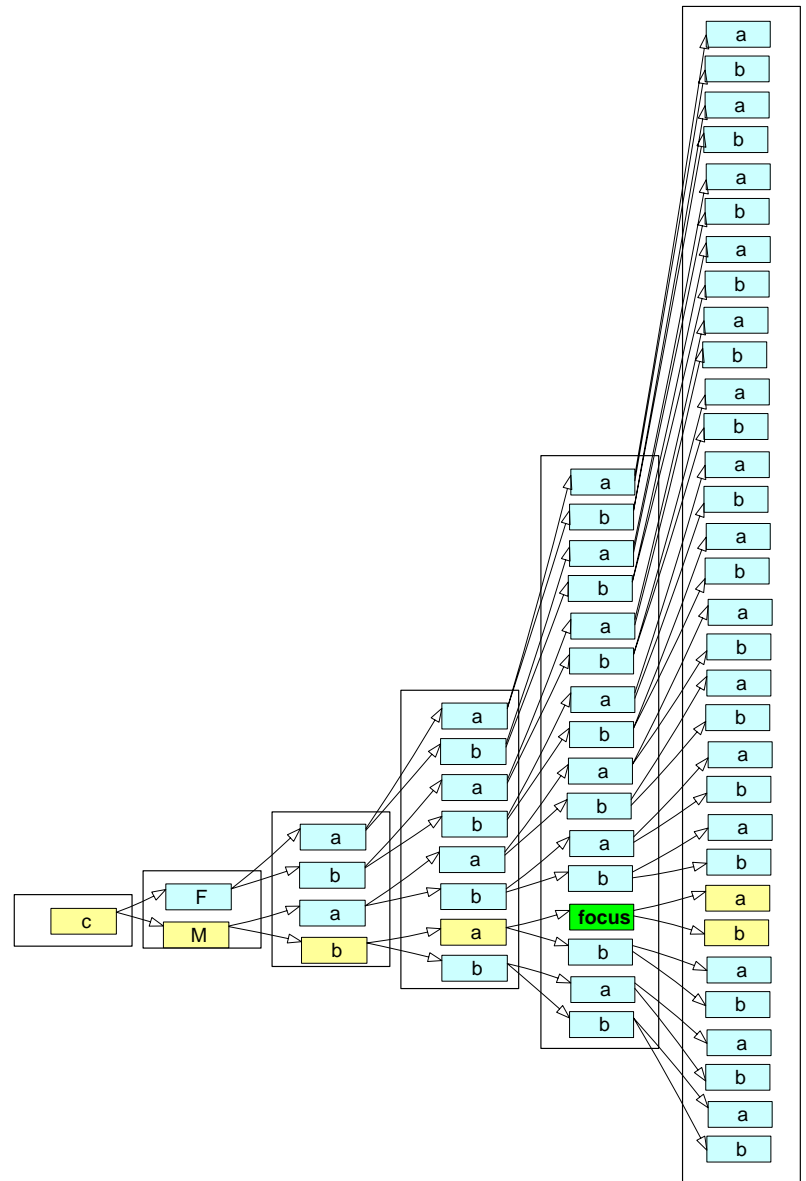# New Visualization Method
Generation Stacks

New Visualization Method
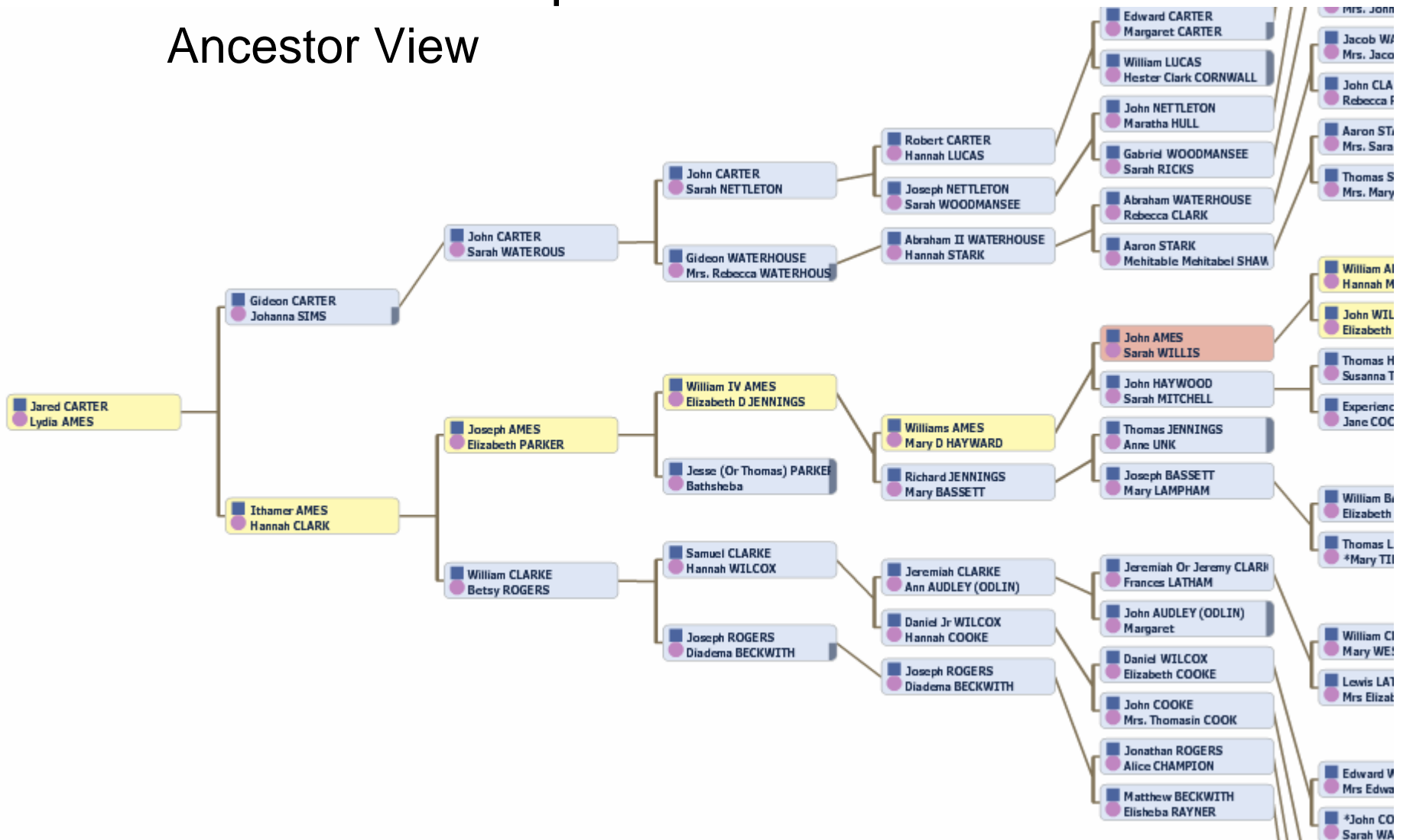### Compressing

New Visualization Method
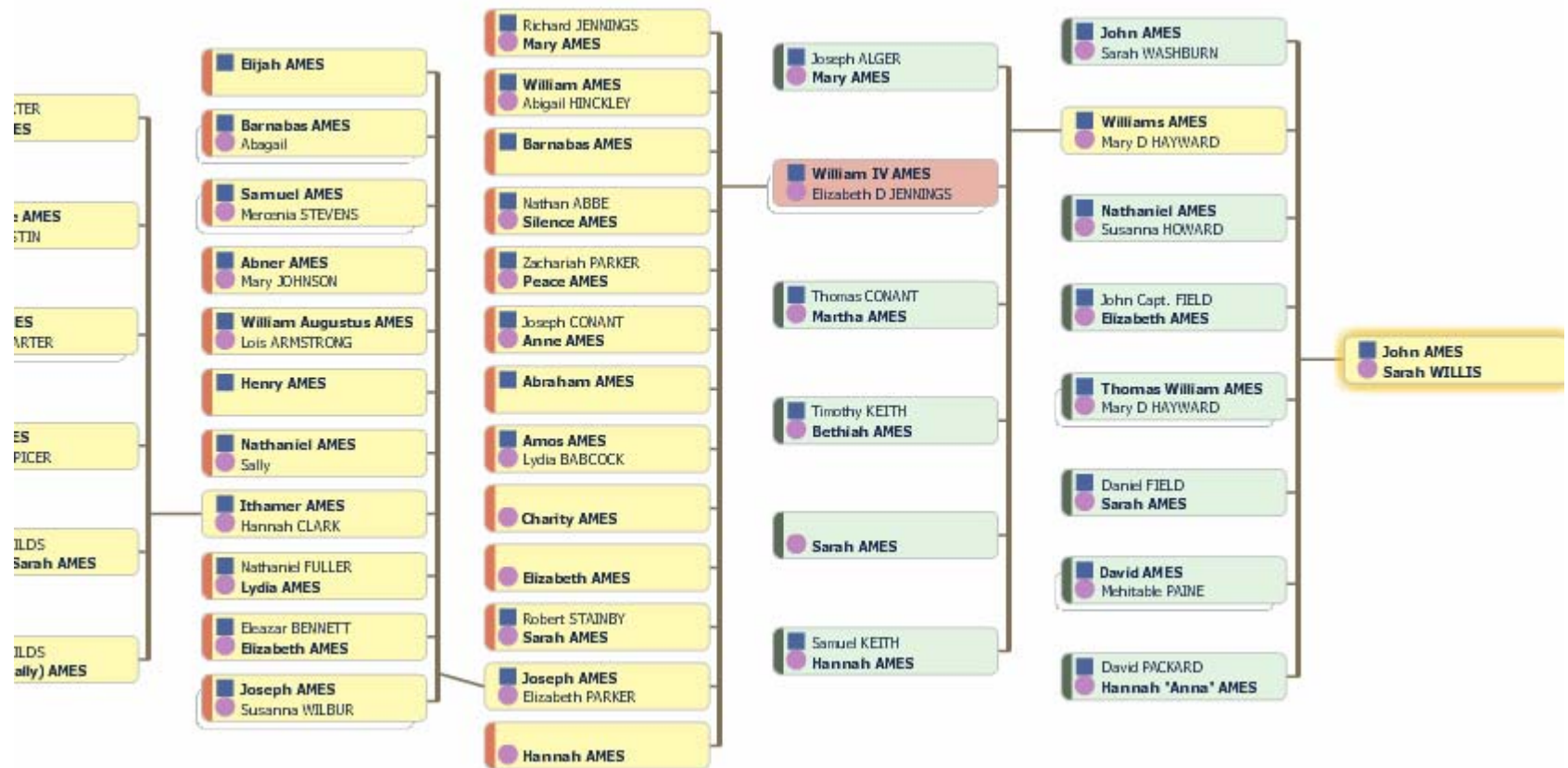## Y-Translation alignment
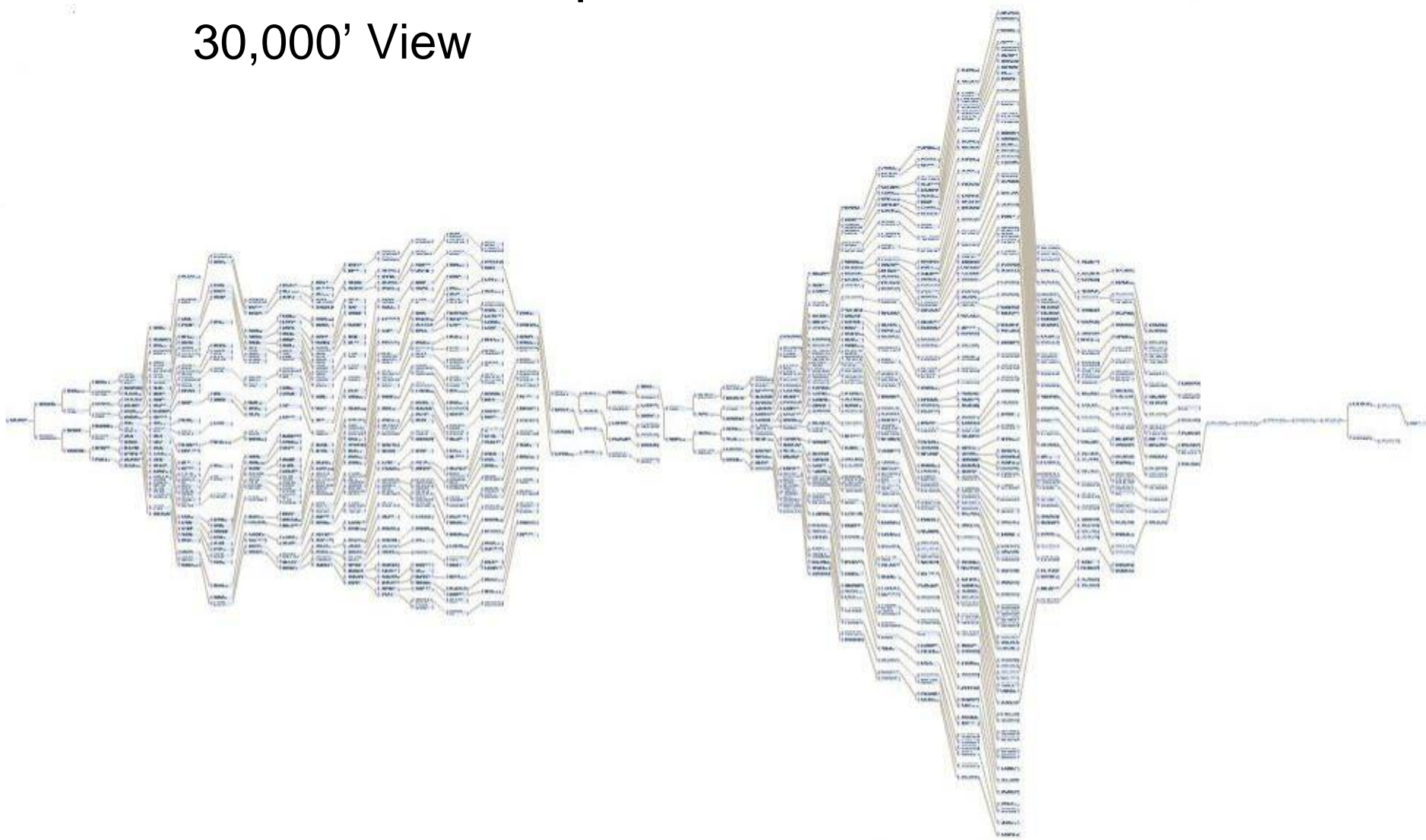
New Visualization Implementation

Ancestor View

New Visualization Implementation
Descendant View

New Visualization Implementation
30,000' View

FAMILYSEARCH. LABS

Other Requirements

- Wide experience level audience
- Intuitive User Interface
- Platform availability

Helpful Tips   ×

Rulon   Click the mouse button and
Harrie   drag the pedigree to view
       sections you can't see.

◀ 1 of 8 Tips ▶
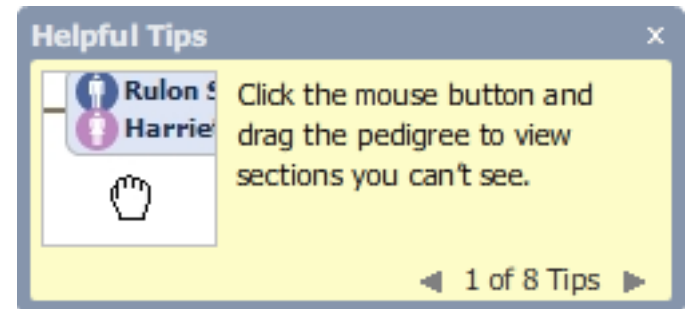
Rich UI

- Interaction
- Response
- Maintaining Context
- Animation

Engineering

- Platform
  - Web-based tool
  - Flash/Flex2

- Agile Development
  - Iterations
  - Team dynamics
  - Deliverables

User Feedback

- Seeking feedback
- Quick turnaround
- *Labs*.FamilySearch.org

Team

- Engineers
  - Jason Butterfield
  - Joe Martel
- Product Manager
  - Dan Lawyer
- User Experience
  - Judy Rice
  - Grant Skousen