Knovel®

The Changing Face of Scientific Reference

Leslie Lees Director of Product Management Knovel Corporation



Complex Information Ecology

*** DISCOVERY**

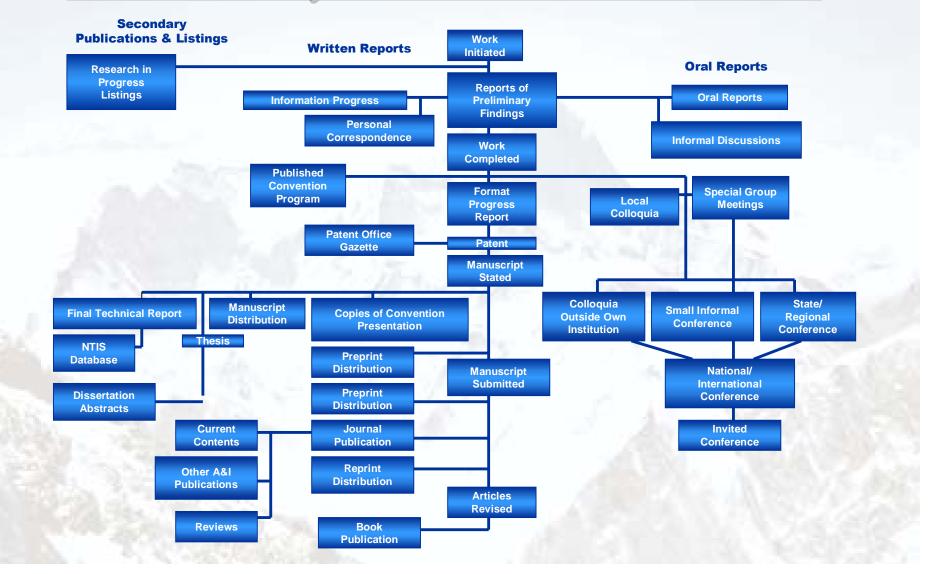
*** COMMUNICATION**

ACCESS

PRESERVATION



Scholarly Communication





Reference Books:

Not Your Normal E-Book

- * Reference books are grouped together in a library. They function better when cross- referenced.
- * They function best when they are accessible at the point of use.
- They cannot be borrowed. They are for lookup by multiple people.
- They are updated often.
- * They are structured as databases and indexes even in book format.
- * They are utilitarian. Focus on look-up and use.



Knovel Service

- Database Subscription Model Aggregation and Frequent Updates
- Internal Links and Index Structure Aggregation, Integration and Enhanced Discovery
- Data Normalization Integration of Multiple Content Types
- * TOC Structure Browsing and Lookup Integrated with Search
- Federated Search Multiple Points of Access and Means of Discovery
- Analytical Tools Workflow Integration and Utility



Hybrid Functionality

Meta Publisher:

- Adding Value by Aggregation and Integration
- Enhancing Unique Structural Features
- Applying analytical tools to data elements

Reference Service

- Providing Answers to the Remote Desktop
- Delivering Access to Hard to find information
- Making Favorite Titles More Useful

End User Tool

- Facilitating Peer to Peer Communication
- Enhancing Productivity With Analytical Tools



Navigation and Discovery

* Early and Late Stage Discovery Strategies

- Berry Picking
- Orienteering
- Directed Search
- Parametric Search
- Browsing
- Look-up



Adding Value

Aggregation as viewed from the user perspective

 Transforming complex reference books into deeply and easily navigable electronic databases

Sringing data elements to life with analytical tools



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Analytical Tools

- Interactive Tables
 - Equation Plotter
 - Sraph Digitizer
 - * Graph Plotter
 - *** Equation Solver**
 - Onit Converter

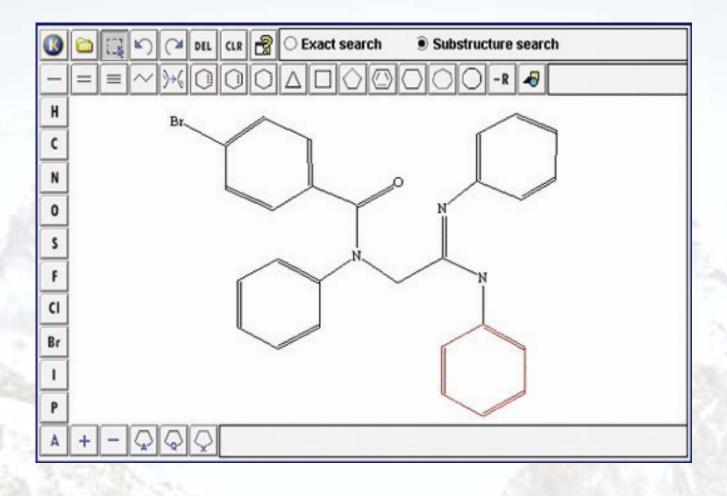


Next Generation

- Chemical Structure Searching
- Advanced Search
- * Hybrid Software/Content Tools:
 - Structural and Mechanical Design
 - Material Selection
- * Multimedia

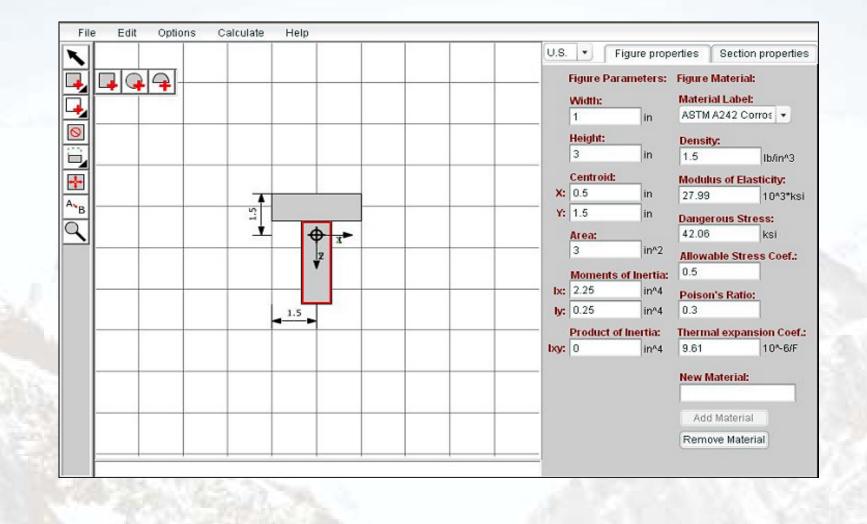


Chemical Structure Search



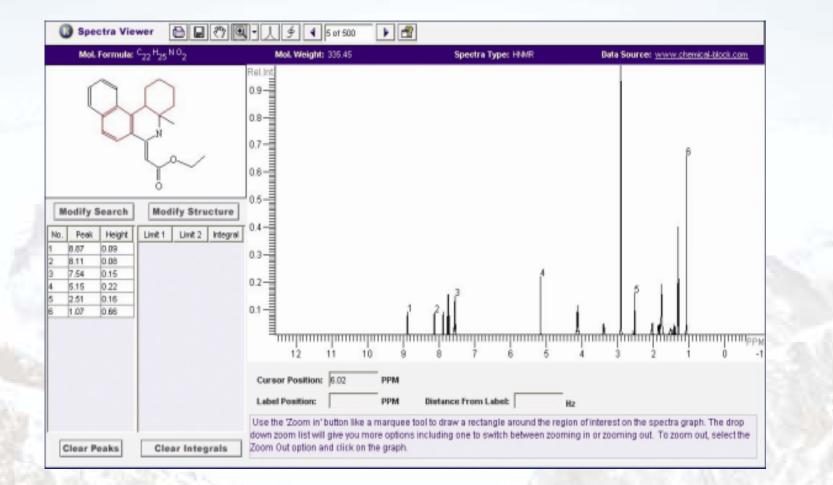


Beam Design Tool





Spectra Viewer





Development Drivers

- Workflow Integration
- Intuitive Patterns of Discovery
- ***** Peer to Peer Communication
- * Shared Workflow
- Awareness, Access, and the Open Web
- **Shared End User Focus With Librarians**