Indexing & Taxonomies:
The LexisNexis® Perspective

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Global Electronic Product Development

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- History of Indexing at LexisNexis
- Coverage & Statistics
- Taxonomy Development
- Index Term Development
- What's New? What's Next?

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LexisNexis Indexing History

Early 90s = Computational linguists & engineers develop technology
= Company indexing released

Mid 90s = Geographic & topical indexing released
= Branded as LexisNexis SmartIndexing Technology™

Late 90s = Indexing surfaced in nexis.com interface

Early 00s = Indexing extended to German & French

2005 = Taxonomy Solutions for customer data launched

2006 = New *Nexis* service released with many features driven off LexisNexis SmartIndexing Technology

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Coverage & Statistics

- News and business controlled vocabularies
  - Companies (330,000+)
  - Industries and Subjects (3,500+)
  - Geographic Locations (900+)
  - US/UK English, German and French
- Legal controlled vocabularies
  - US taxonomy (16,000+)
  - UK taxonomy (400+)
- Specialized and custom vocabularies
  - Built as needed for internal products and on customer request

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Taxonomy Development

- Team in US and Europe designs and builds taxonomies
  - Research topical areas and existing standards
  - Consult customers and subject specialists
  - Debate language equivalencies
- Taxonomy specifications
  - 28 industry categories
  - Mapped to major industry coding schemes
  - 17 subject categories
  - Down to six levels deep
  - Polyhierarchical

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Industry Taxonomy

Agric, Forestry, Fishing & Hunting
Automotive
Banking & Finance
Chemicals
Computing & Information Technology
Construction
Consumer Products
Defense & Aerospace
Electronics
Energy & Utilities
Entertainment & Arts
Fashion & Apparel
Food & Beverage
Health Care
Insurance
Manufacturing
Marketing & Advertising
Media & Telecommunications
Mining & Extraction
Paper & Packaging
Personal & Business Support Services
Pharmaceuticals & Biotechnology
Professional Services
Real Estate
Retail & Wholesale Trade
Transportation & Warehousing
Travel, Hospitality & Tourism
Waste Mgmt & Remediation

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Subject Taxonomy

Company Activities & Management

Crimes, Law Enforcement & Corrections

Economy & Economic Indicators

Education & Training

Environ, Natural Resources & Land Use

Government & Public Administration

International Relations & Natl Security

Labor & Employment

Law & Legal System

Medicine & Health

Population & Demographics

Safety, Accidents & Disasters

Science & Technology

Society, Social Assistance & Lifestyle

Sports & Recreation

Trade & Development

Trends, Events & Content Types

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Index Term Development

- Human expertise + automated processing
- Information professionals build rule sets
  - Identify vocabulary (strong vs. ambiguous)
  - Weigh document segments
  - Look for multiple occurrences of words/phrases
  - Require co-occurrence
- Perform a battery of iterative tests
- Regular reindexing keeps archive up to date

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Example Topic

- Topic identified
  - EXECUTIVE MOVES
- Write scope note
  - Targets hiring, promotion and appointment to executive-level positions
- Conduct research to identify significant and frequently co-occurring vocabulary
  - LexisNexis
  - Web
  - Other resources

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Identified Vocabulary

Synonyms	→	**announces new CEO, CFO** **appointed vice president, VP**
Strong Associations	→	**new chairman, CEO** **to be its chief executive** **will head the company**
Related Associations	→	**as senior VP** **promoted to the position** **to the top post**
Ambiguous Associations	→	**hired, resigned, retired** **CEO, COO, CFO, exec**

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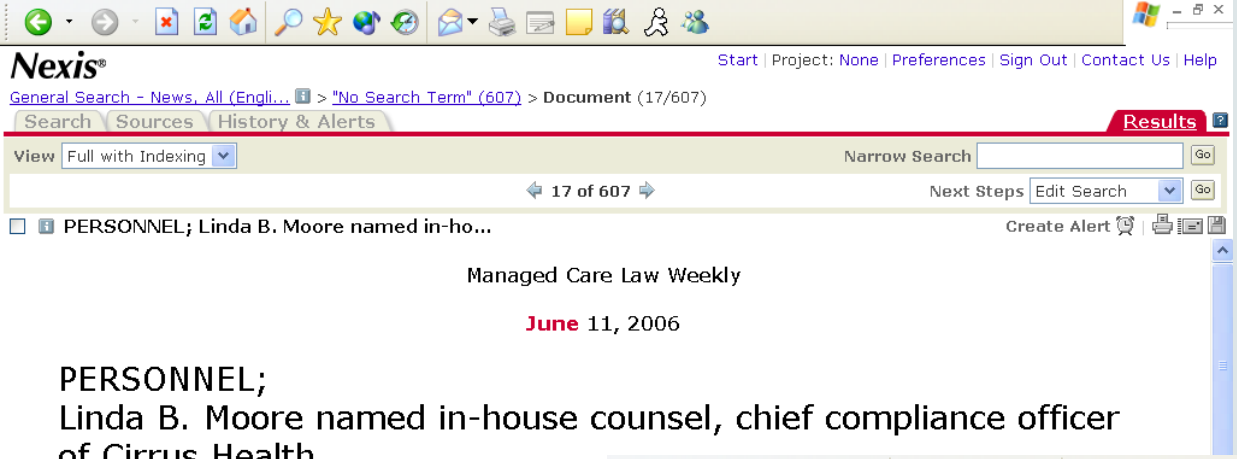
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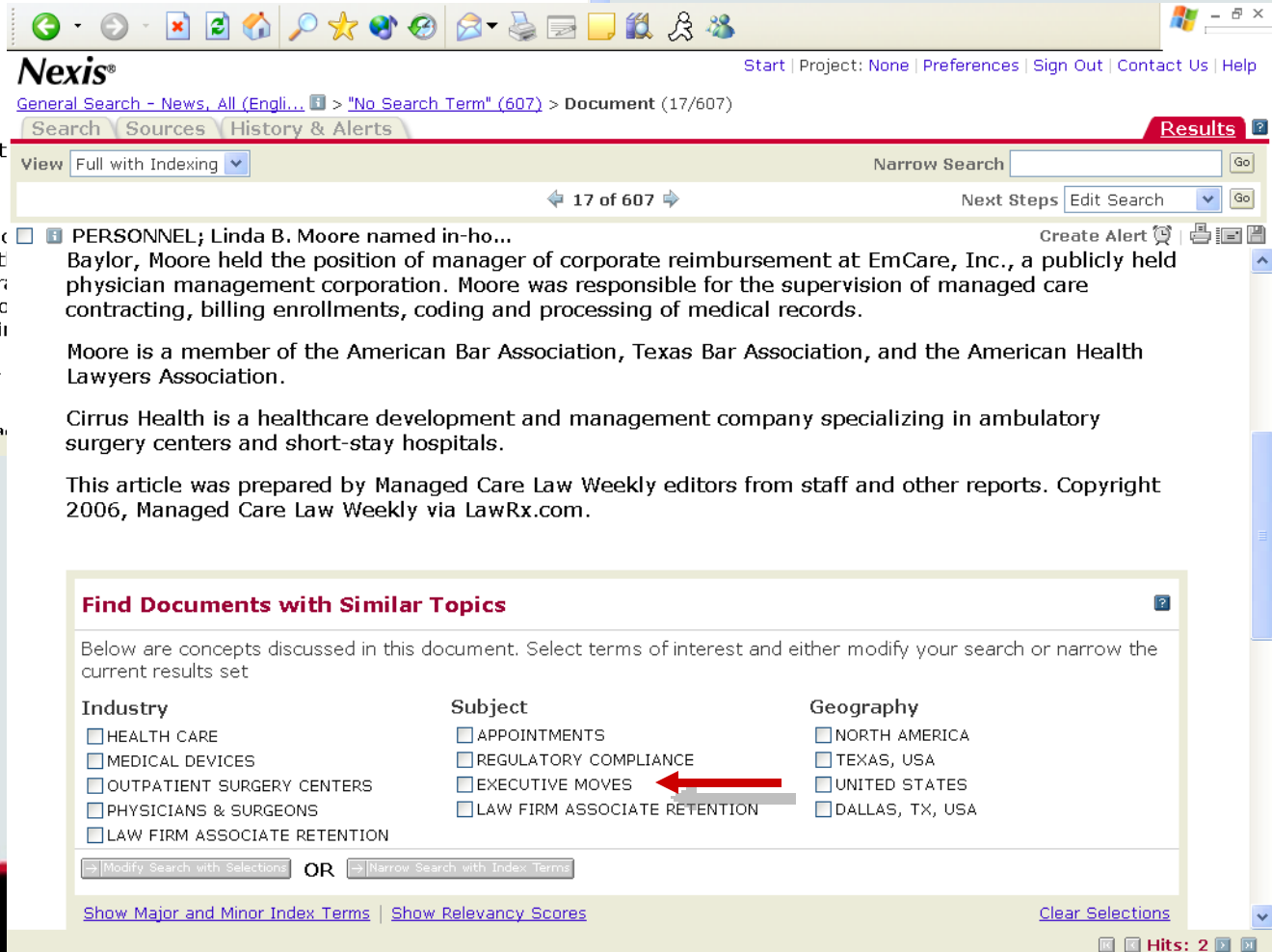
Next Steps Edit Search
PERSONNEL; Linda B. Moore named in-ho...
Create Alert
Managed Care Law Weekly
June 11, 2006
PERSONNEL;
Linda B. Moore named in-house counsel, chief compliance officer of Cirrus Health
SECTION: EXPANDED REPORTING; Pg. 186
LENGTH: 181 words
Cirrus Health, a premier developer and management
stay hospitals, announced the appointment of Linda
officer.
Moore most recently was associate general counsel,
recruitment, retention, and relations for Baylor Healt
Baylor, Moore held the position of manager of corpor
physician management corporation. Moore was respo
contracting, billing enrollments, coding and processi
Moore is a member of the American Bar Association,
Lawyers Association.
Cirrus Health is a healthcare development and mana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Baylor, Moore held the position of manager of corporate reimbursement at EmCare, Inc., a publicly held physician management corporation. Moore was responsible for the supervision of managed care contracting, billing enrollments, coding and processing of medical records.
Moore is a member of the American Bar Association, Texas Bar Association, and the American Health Lawyers Association.
Cirrus Health is a healthcare development and management company specializing in ambulatory surgery centers and short-stay hospitals.
This article was prepared by Managed Care Law Weekly editors from staff and other reports. Copyright 2006, Managed Care Law Weekly via LawRx.com.
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What's New?

- Taxonomy Solutions
  - Licensing LexisNexis SmartIndexing Technology to customers for internal use
- Indexing critical to new interface features
  - Easy search pick lists
  - Power search thesaurus tool
  - Answer set navigation
  - "More like this" indexing

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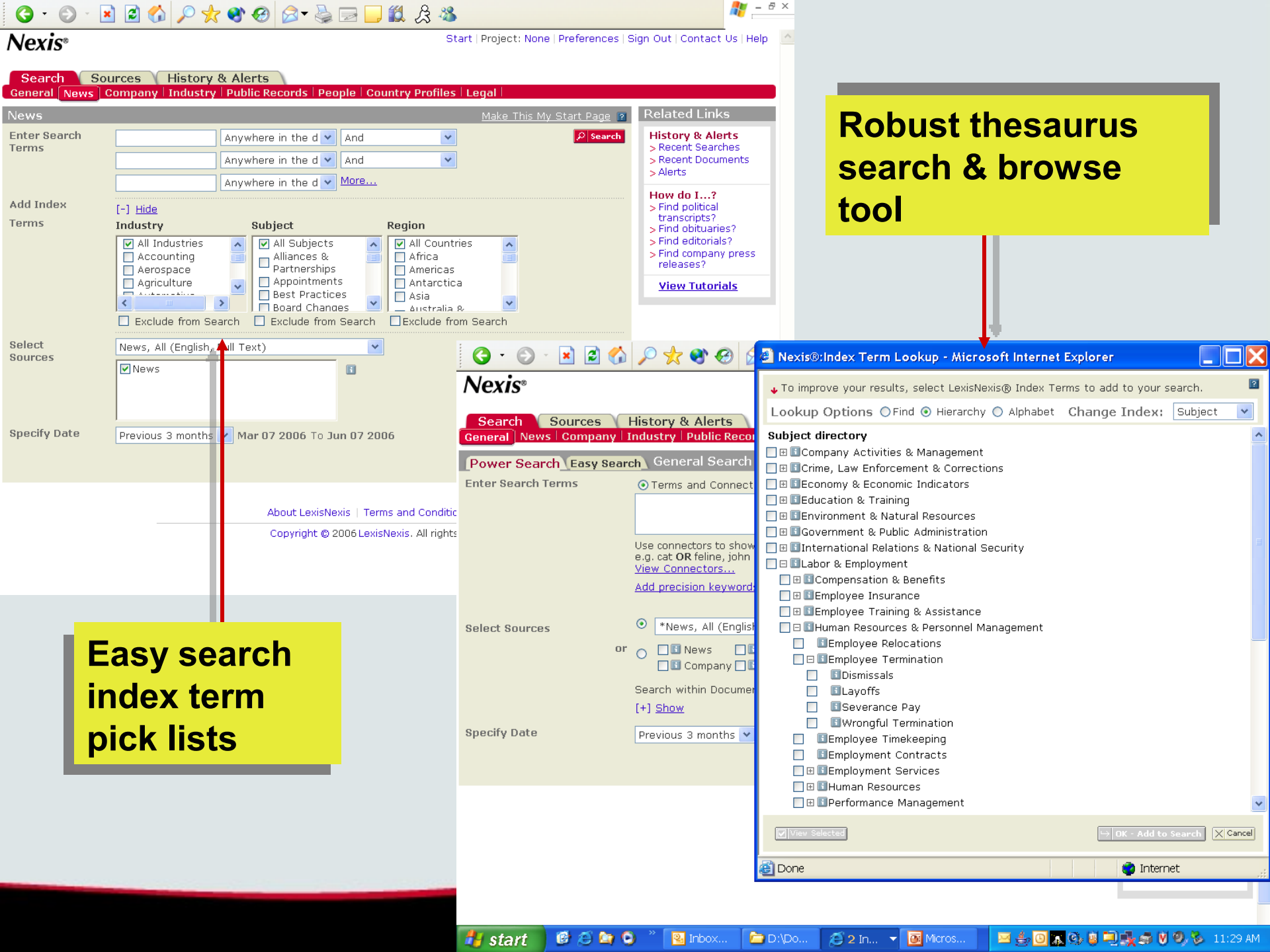
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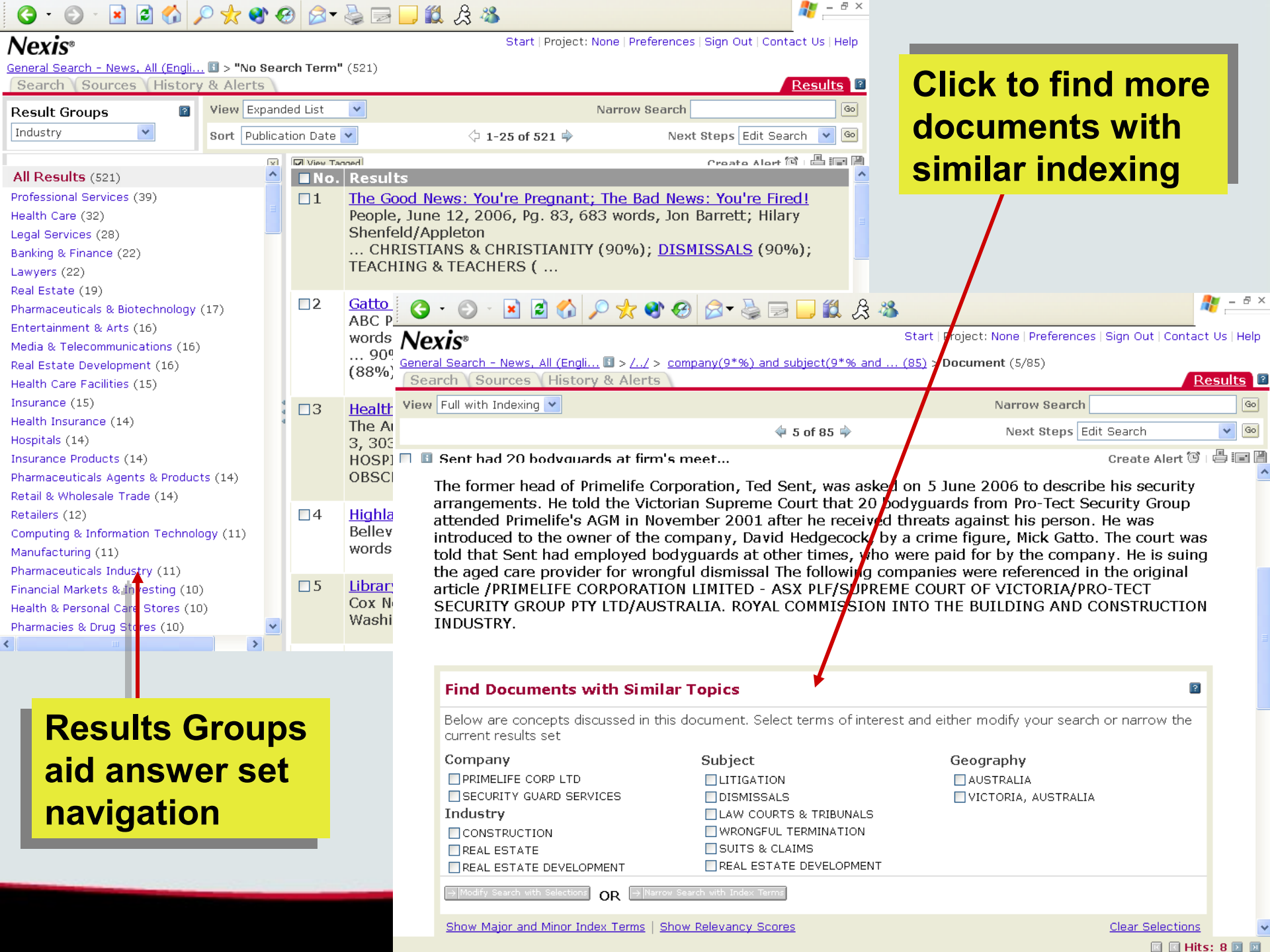
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No. Results
1 The Good News: You're Pregnant; The Bad News: You're Fired!
People, June 12, 2006, Pg. 83, 683 words, Jon Barrett; Hilary Shenfeld/Appleton
... CHRISTIANS & CHRISTIANITY (90%); DISMISSALS (90%); TEACHING & TEACHERS (...
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Sent had 20 bodyguards at firm's meet...
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The former head of Primelife Corporation, Ted Sent, was asked on 5 June 2006 to describe his security arrangements. He told the Victorian Supreme Court that 20 bodyguards from Pro-Tect Security Group attended Primelife's AGM in November 2001 after he received threats against his person. He was introduced to the owner of the company, David Hedgecock, by a crime figure, Mick Gatto. The court was told that Sent had employed bodyguards at other times, who were paid for by the company. He is suing the aged care provider for wrongful dismissal The following companies were referenced in the original article /PRIMELIFE CORPORATION LIMITED - ASX PLF/SUPREME COURT OF VICTORIA/PRO-TECT SECURITY GROUP PTY LTD/AUSTRALIA. ROYAL COMMISSION INTO THE BUILDING AND CONSTRUCTION INDUSTRY.
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What's Next?

- **Focus on customization**
  - **Tools for customers to create their own index term rules**
- **Focus on linking and metadata**
  - **More complex relationships between terms, content and taxonomies**

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Thank you!

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