

**Introduction to Dialog
Featuring Dialog Classic**



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Preface

Introduction

Dialog has been the leader in providing information in electronic format for more than 30 years. Because it was created to meet the needs of professional researchers, Dialog offers unparalleled breadth and depth of content, along with many sophisticated retrieval features.

You are probably familiar with consumer-oriented World Wide Web search engines. Many of the concepts and processes familiar from “surfing” apply also to using Dialog. There are, however, some significant differences, which are highlighted below. While Dialog offers several Web-based interfaces, many features of the Dialog service and its search engine are unique.

Professional Quality Information

Many sources available from Dialog are created by and for professionals: scientists, scholars, business managers, market researchers, stockbrokers, attorneys, engineers, etc. Unlike much of what is available on the Web, the information on Dialog has been edited so that it adheres to minimum standard of accuracy. Dialog has a long-standing partnership with leading publishers and information providers worldwide. Contributors to the Dialog service include D&B, Standard & Poor, *Financial Times*, Economist Intelligence Unit, IEE/IEEE, Chemical Abstracts Service, and thousands of others. The authority and reputation of these information providers make Dialog *the* trusted source for professional researchers.

Breadth & Depth of Content

Dialog is unique in the vast array of information covering virtually every subject. More than 30,000 separate serial publications are indexed on Dialog, and more than 8,000 of these are in fulltext. In addition, Dialog includes the fulltext of many reference works and specialty publications from around the world, such as market research and brokerage house reports; patents and trademark registrations; chemical directories and drug pipeline monitoring services; to name a few. Archival data is available for many sources back to the 1960s and 1950s—some even back to the 18th century. Information on Dialog is organized into separate databases, each like a “mini library” of specific information or publications. Learning to identify the best database for a search is a skill that will be covered in this session.

Powerful Search Engine

Dialog offers many features to empower you to control the search process, from scanning the entire data collection to pinpointing a single data element in a specific record. In addition to a powerful set of retrieval tools, the Dialog search toolbox contains options for data analysis and extraction, and customized output. Search results may be filtered and sorted and displayed in a variety of ways. We will introduce just a few of these in this session. Advanced subject sessions will present additional tools.

Support

Meeting the needs of professionals does not begin and end with an online search. Support services are available to assist you in using Dialog and to help manage and distribute electronic information from Dialog within your organization. Dialog can help with

- Setting up customized data feeds or current awareness services for individuals, departments or the entire company;
- Distribution of information via selected distribution channels such as the corporate intranet or portal;
- Document delivery services, either in print or via electronic linking;
- Copyright compliance tools to enable you to track usage and pay publisher royalties;
- Consulting services to develop customized solutions for interface design, content selection, and delivery options.
- Free 24-hour telephone help desk support from the Dialog Knowledge Center:
- Extensive system documentation to help you get the most from Dialog, available online at ***support.dialog.com***.
- Training opportunities worldwide to help you improve search skills and learn more about researching in a specific subject area. Courses are available in a classroom setting, via telephone and on the Web.

Seminar Overview

This seminar focuses on command-mode searching using the DialogClassic interface; however, Dialog also has other services available. Check the Web site at ***www.dialog.com*** for more information on Dialog's other products.

Purpose

This seminar offers the new Dialog searcher the opportunity to become familiar with the Dialog search system and the databases available to meet the searcher's information needs.

Seminar Content

This seminar is divided into four sections:

1. Planning and conducting the search
2. Selecting a database

3. Modifying and enhancing the search
4. Wrap Up

Audience

This seminar is designed for individuals new to online searching or new to the Dialog system who want an introduction to the Dialog commands and databases. Previous online experience is not required.

Class Time

The class is scheduled for three hours with several exercises, as well as online practice sessions.

Learning Objectives

Attendees will understand the basic aspects of searching the Dialog system by:

- Learning the five basic commands
- Executing a search online
- Selecting an appropriate database
- Modifying a search, as needed, using Dialog documentation

Workbook Conventions

Search Examples

In this workbook all search examples are presented using **Dialog Command Language**. All of the features illustrated in the search examples—search functionality, database indexing and content—are available using Dialog Command Language through the DialogWeb–Command Search, DialogClassicWeb, and DialogLink® interfaces. Dialog Command Language is not case sensitive; therefore, you will see examples in both upper- and lowercase.

Learning Checks

Learning Checks and other individual and group exercises are provided to help reinforce material presented in the Section.

Online Practice

Practice exercises are included at the end of most sections in order to help you learn the concepts and techniques presented. Your instructor will provide you with practice passwords to enable you to complete the online practice free of charge.

Tips

Tips to help you get the most from using Dialog appear in shaded boxes. Be sure to look for these throughout the text.



Section 1: Planning and Conducting the Search

In this section you will learn how to:

- Identify search terms
- Identify the basic commands used to search Dialog databases
- Learn formats for displaying records
- Practice using basic commands on the Dialog search system

Planning the Search

Before you begin the search process online, think about the terms and appropriate synonyms you will use to request information from the Dialog system.

You can use the Search Worksheet to plan your search statement. A blank worksheet is located in Appendix C.

Search Topic

Identifying the key or main terms for your search is very important to achieving the best search results possible.

► **Topic** ◀ The population of the world is aging.* Many people are trying to improve their longevity and quality of life with controversial medical treatments and dietary supplements. One such treatment is the taking of hormone supplements to combat the effects of aging. Find articles written for the layperson that discuss the use of hormones in anti-aging therapies.

**The United Nations found that in richer countries, people over 60 now account for one-fifth of the population. Predictions indicate that the proportion will reach one-third by 2050. In poorer countries, only 8 percent of the population is over 60 now, but that is expected to rise to 20 percent by 2050. In the United States, the number of persons aged 65 or over is estimated to double by 2030 from the numbers in 2000. The Canadian government estimates that by 2021, one in five Canadians will be 65 or older.*

Step 1: Identify Search Terms

1. Write the topic on the worksheet.
2. Write the database(s) selected on the worksheet.
3. Write each concept and appropriate synonyms in each column.

Search Worksheet

Topic: _____ ① _____

Databases: _____ ② _____

Important Ideas

Concept 1	Concept 2	Concept 3
③	③	③

OR

AND

AND

Commands to Enter:

Step 3: Use Proximity Connectors to Search Phrases

Words are more likely to be conceptually related if they appear close together within a record. The nearer the terms are to each other, the greater the probability of relevancy. In order for the Dialog system to process your search query, you will need to connect the words appropriately. Below are several operators used to connect words.

(N)

Use (N) to search terms that are next to each other, in either order.

Example: fiber?(n)optic? fiber? (n) optic?	Retrieves: fiber optics optical fiber
---	--

(W)

Use (W) to search terms that are adjacent, in the EXACT order.

Example: real(w)estate non (w) stick	Retrieves: real estate non-stick non stick
---	--

A shortcut format of the (W) connector is () (e.g., real()estate).

(#N or #W)

Use (#N) or (#W) to allow additional terms to occur between words.

Example: cost?(1n)living cost? (1n) living	Retrieves: cost of living living costs
---	---

(S)

Use (S) to restrict words to the same paragraph.

Stop Words

There are nine stop words that are not searchable on Dialog:

an and by for from of the to with

To search phrases containing stop words, use the appropriate proximity connector. (e.g., declaration (1w) independence)

Step 4: Use Logical Connectors to Link Concepts

The following logical connectors are used to link concepts.

AND

Use AND to connect terms when both or all must be present.

Example: telecommut? and productive?
market (5n) share and tennis (w)equipment

OR

Use OR to group synonymous terms when at least one must be present.

Example: cat or feline
ultraviolet or uv or ultra(w)violet
moon or lunar

✓ **Individual Exercise**

Look at the search terms identified in Step 1 to see where you must use proximity connectors and which terms you will connect with logical operators.

Conducting the Search

Step 5: Execute the Preliminary Search Using Basic Commands

The table below lists the basic commands to use on the Dialog search system.

Table 2-1. Basic Commands

Command	Example	When to Use It
BEGIN B	Begin 47 B 47,149 B products	Use BEGIN with file number(s) or database category (OneSearch) to specify the database(s) to be searched. <i>To search multiple databases, separate database numbers with a comma (e.g., b 640,471)</i>
SELECT S	Select laser? S merge? or acqui? S s1 and s2	Use SELECT with word(s) to determine the number of records in the database that contain the word(s), and store them in a set
TYPE T	Type s1/9/1-4 T s1/3/all T s1/9/1-2 from each	Use TYPE to display records retrieved by the SELECT command. Type is followed by set number/format/range of records
LOGOFF	Logoff	Use LOGOFF to end the search and disconnect from Dialog

Formats vary across databases. Before logging on to the Dialog system, identify the formats available for typing your records by checking database documentation (Bluesheets). For more information on Bluesheets, see Section 2.

The Format number is used with the TYPE command. It follows the set number and indicates the parts of the record that will display.

Table 2-2. Selected Format Options

Selected Format Options	
Use Format 6 (or FREE)	To check titles
Use Format 8 (or SHORT)	To check titles and subject headings (descriptors)
Use Format 3 (or MEDIUM)	To view bibliographic citations
Use Format 9 (or FULL)	To see complete records
Use K (Keyword in Context) or KWIC)	To see search terms in the context in which they occur

Putting the Search Strategy Together

There are two ways to put the search strategy together.

1. You can put all of your search terms together in one search statement.

Example: s (threat or hazard) and (radon or asbestos)

2. You can create a separate set for each concept and then group the sets together.

Example: s threat or hazard
s radon or asbestos
s s1 and s2

When using AND and OR operators in the same search query, you must group the synonyms using parentheses.

✓ Learning Check

Using what we have just learned, write out the exact search strategy that you will use to execute the Search Scenario on aging on Dialog. Hint: You can use either method above for putting the strategy together.

Before going online, compare your worksheet with the completed sample below to be sure your worksheet includes all the information you'll need to conduct the search.

Search Worksheet

Topic: Find articles written for the layperson that discuss the use of hormones in anti-aging therapies.

Databases: Gale Group Health and Wellness Database (File 149)

Important Ideas

Concept 1	Concept 2	Concept 3
<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">OR</div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">AND</div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">AND</div>
anti(w)aging antiaging	hormone?	treatment? therap?
S1	S2	S3

Commands to Enter:

B 149
 S anti(w)aging or antiaging
 S hormone?
 S treatment? or therap?
 S s1 and s2 and s3
 T s4/6/1-5

The search that follows makes use of the techniques we just learned in this section. You will use synonyms and truncation to broaden the search. You will use the "S" connector to make sure keywords are contained in the same paragraph. You will put groups of concepts together to provide a comprehensive search strategy. Finally, you will view records in several different formats.

Sometimes you know which database you want to search. For this example, we will begin the search in Gale Group Health & Wellness Database (File 149). This database treats health topics so that a layperson can understand the information.

► **Topic** ◀ Find articles written for the layperson that discuss the use of hormones in anti-aging therapies.

When you logon to the Dialog system, you will see the Homebase Main Menu.

Dialog Homebase lists useful information for searching. There is no cost for this database.

The question mark is the system prompt on Dialog.

Enter B followed by the database number to enter a database.

Use SELECT or S to create a set of records that contain your search terms.

Connect synonyms with the OR connector.

```

*** DIALOG HOMEBASE (SM) Main Menu ***

Information:
  1. Announcements (new files, reloads, etc.)
  2. Database, Rates, & Command Descriptions
  3. Help in Choosing Databases for Your Topic
  4. Customer Services (telephone assistance, training, seminars, etc.)
  5. Product Descriptions

Connections:
  6. DIALOG(R) Document Delivery
  7. Data Star(R)

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/H = Help   /L = Logoff   /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?b 149

File 149:TGG Health&Wellness DB(SM) 1976-2003/May W3
(c) 2003 The Gale Group

Set  Items  Description
---  ----  -
?s anti (w) aging or antiaging
      42886  ANTI
      23572  AGING
           628  ANTI (W) AGING
           143  ANTIAGING
S1    739  ANTI (W) AGING OR ANTIAGING

?s hormone?
S2    28506  HORMONE?

?s therap? or treatment?
      180879  THERAP?
      253512  TREATMENT?
S3    318821  THERAP? OR TREATMENT?

```

Connect different terms with the AND connector.

Enter TYPE to display records from a set.

Use Format 6 or 8 to view a few records in abbreviated form before typing out complete records.

```
?s s1 and s2 and s3
      739 S1
      28506 S2
      318821 S3
S4      177 S1 AND S2 AND S3

?t s4/6/1-5

4/6/1
02195165 SUPPLIER NUMBER: 102137526 (USE FORMAT 7 OR 9
FOR FULL TEXT)
A prescription for skin care. (Global Report:
Cosmeceuticals).
2003
WORD COUNT: 4632 LINE COUNT: 00392

4/6/2
02195163 SUPPLIER NUMBER: 102137522 (USE FORMAT 7 OR 9
FOR FULL TEXT)
Skin care that really works: emerging ingredients for anti-
inflammation, anti-irritants, skin tightening, moisturizing
and whitening will revolutionize the marketplace.
2003
WORD COUNT: 1563 LINE COUNT: 00131

4/6/3
02186697 SUPPLIER NUMBER: 100736622 (USE FORMAT 7 OR
9 FOR FULL TEXT)
Optimum aging with nature's hormone enhancing nutrients.
(Age Management and Longevity).
2003
WORD COUNT: 1043 LINE COUNT: 00086

4/6/4
02183397 SUPPLIER NUMBER: 100732360 (USE FORMAT 7 OR
9 FOR FULL TEXT)
Are anti - aging hormones safe??? Want to trade in your
body for a younger model? Hormone supplements hold
promise, but carry risks. Top experts debate what you
should do.(Expert Roundtable).
2003
WORD COUNT: 3196 LINE COUNT: 00248

4/6/5
02179334 SUPPLIER NUMBER: 99850091 (USE FORMAT 7 OR
9 FOR FULL TEXT)
Medical breakthroughs. (a Special Advertising
Section).(laser treatments)(dentistry and dermatology
applications)(Advertisement)
2003
WORD COUNT: 1621 LINE COUNT: 00145
```

You can narrow the search by substituting the (S) connector in place of the AND connector. Note the difference in number of records.

Enter TYPE to display the records. Use Format 3 to see sources, dates of publication and length of articles.

```
?s s1 (s) s2 (s) s3
              739 S1
              28506 S2
              318821 S3
s5          28 S1 (S) S2 (S) S3
```

```
?t s5/3/1-3
```

5/3/1

DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2003 The Gale Group. All rts. reserv.

02186697 SUPPLIER NUMBER: 100736622 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Optimum aging with nature's hormone enhancing nutrients. (Age Management and Longevity).

Giampapa, Vincent C.
Psychology Today, 36, 2, 71(1)
March-April, 2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 0033-3107
LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Academic; Consumer
WORD COUNT: 1043 LINE COUNT: 00086

5/3/2

DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2003 The Gale Group. All rts. reserv.

02183397 SUPPLIER NUMBER: 100732360 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Are anti-aging hormones safe??? Want to trade in your body for a younger model? Hormone supplements hold promise, but carry risks. Top experts debate what you should do. (Expert Roundtable).

O'Donnell, Erin
Natural Health, 33, 4, 76(7)
May-June, 2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 1067-9588
LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer
WORD COUNT: 3196 LINE COUNT: 00248

5/3/3

DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2003 The Gale Group. All rts. reserv.

02158172 SUPPLIER NUMBER: 98543560 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Face the future: when modern science and ingenuity converge--Botox creams, anyone?--the result is skin care that targets every problem, from some very new angles. (Beauty Flash).

Larkworthy, Jane; Reynoso, Patricia; Devkota, Dahlia
W, 32, 3, 246(3)
March, 2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 0162-9115
 LANGUAGE: English
 RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer
 WORD COUNT: 2189 LINE COUNT: 00179

5/3/4

DIALOG(R)File 149:TGG Health&Wellness DB(SM)
 (c) 2003 The Gale Group. All rts. reserv.

02149754 SUPPLIER NUMBER: 97911258 (USE FORMAT 7 OR
 9 FOR FULL TEXT)

Working in medical spas. (Careers).

Chapman, Diane Y.
 IDEA Health & Fitness Source, 21, 2, 56(4)
 Feb, 2003

PUBLICATION FORMAT: Magazine/Journal; Refereed ISSN:
 1096-8156
 LANGUAGE: English RECORD TYPE: Fulltext TARGET AUDIENCE:
 Professional
 WORD COUNT: 2176 LINE COUNT: 00180

5/3/5

DIALOG(R)File 149:TGG Health&Wellness DB(SM)
 (c) 2003 The Gale Group. All rts. reserv.

02112884 SUPPLIER NUMBER: 91912554 (USE FORMAT 7 OR
 9 FOR FULL TEXT)

Is there an antiaging medicine?(Abstract)

Butler, Robert N.; Fossel, Michael; Harman, S. Mitchell;
 Heward, Christopher B.; Olshansky, S. Jay; Perls, Thomas
 T.; Rothman, David J.; Rothman, Sheila M.; Warner, Huber
 R.; West, Michael D.; Wright, Woodring E.
 The Journals of Gerontology, Series A, 57, 9, B333(6)
 Sept, 2002

DOCUMENT TYPE: Abstract PUBLICATION FORMAT:
 Magazine/Journal; Refereed
 ISSN: 1079-5006 LANGUAGE: English RECORD TYPE: Abstract
 TARGET AUDIENCE: Academic; Professional

?ds

Set	Items	Description
S1	739	ANTI (W) AGING OR ANTIAGING
S2	28506	HORMONE?
S3	318821	THERAP? OR TREATMENT?
S4	177	S1 AND S2 AND S3
S5	28	S1 (S) S2 (S) S3

*Enter DISPLAY
 SETS (DS) to view
 all of the sets you
 have made since
 the last BEGIN
 command.*

Choose record(s)
of interest and
TYPE them in
Format 9 to see
the complete
record.

?t s5/9/2

5/9/2

DIALOG(R) File 149:TGG Health&Wellness DB(SM)
(c) 2003 The Gale Group. All rts. reserv.

02183397 SUPPLIER NUMBER: 100732360 (THIS IS THE
FULL TEXT)

**Are anti-aging hormones safe??? Want to trade in your body
for a younger model? Hormone supplements hold promise, but
carry risks. Top experts debate what you should do. (Expert
Roundtable).**

O'Donnell, Erin

Natural Health, 33, 4, 76(7)

May-June, 2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 1067-9588

LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Consumer

WORD COUNT: 3196 LINE COUNT: 00248

TEXT:

IF YOU WANT TO STAY YOUNG, **anti - aging hormone** supplements sound great: They're touted to firm up flabby muscles, reduce your wrinkles, and ignite your sex drive. As you enter middle age, your own supply of **hormones** dwindles. So, **anti - aging** doctors reason, taking doses of **hormones** could turn back the clock. If you visit an **anti - aging** doctor, your **treatment** may include a cocktail of prescription-only **hormones** including human growth **hormone** (HGH), a substance you inject daily, and estrogen and testosterone, often prescribed as gels. You can also treat yourself with over-the-counter **hormones** like DHEA and pregnenolone, Physicians who prescribe these **hormones** say their patients love the results and look and feel years younger than they really are.

But some experts say these hormones pose serious risks. Because of a lack of long-term studies, no one knows what happens when you use them for years. One study suggests that HGH could increase your risk of cancer, and another shows that HGH triggers diabetes and joint pain (although hormone proponents dispute these findings). DHEA and pregnenolone may cause heart rhythm irregularities and irreversible hair loss. On top of that, these treatments can cost up to \$1,000 a month.

.
.

.

Ray Sahelian M.D.

Family practice physician in Marina Del Ray, Calif., and author of Mind Boosters (St. Martin's Press, 2000) and other books on supplements.

His View:

Recommends the hormones DHEA and pregnenolone for some patients but in much lower doses than he once did, due to risks; says over-the-counter hormones should be used only under a doctor's supervision.

Enter LOGOFF to disconnect from Dialog and receive a cost accounting of your search session.

```
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DESCRIPTORS: Aging--Care and treatment; Hormones--
Evaluation; Hormones--Usage; Youth--Evaluation; Teenagers
GEOGRAPHIC CODES/NAMES: 1USA United States
SIC CODES: 2834 Pharmaceutical preparations
PRODUCT/INDUSTRY NAMES: 2834100 (Hormones & Related
Preparations); 2834101
(Hormone Preparations); E121930 (Youth)
NAICS CODES: 325412 Pharmaceutical Preparation
Manufacturing
FILE SEGMENT: HI File 149

?logoff
02jun03 14:41:33 User300065 Session D1094.2
$4.70 1.067 DialUnits File149
$6.90 3 Type(s) in Format 3
$0.00 5 Type(s) in Format 6
$3.45 1 Type(s) in Format 9
$10.35 9 Types
$15.05 Estimated cost File149
$0.92 INTERNET
$15.97 Estimated cost this search
$15.97 Estimated total session cost 1.206 DialUnits
```

Summary

To create a more precise search strategy using Dialog Command Language, do the following:

- Use synonyms to identify alternate search terms or to broaden a search.
- Employ truncation to search for words that may have different endings.
- Use proximity connectors, such as the (W) or (N) connectors, to ensure keywords are close together to enhance relevancy.
- Use logical operators (AND, OR) to link search terms together.
- Put the search strategy together using one of the following

Use one search statement. Remember when using AND and OR operators together, that the ORed terms should be placed in parentheses.

Create separate search statements of concept terms; then connect them using the AND operator.

- View records by choosing the appropriate display format. Recommended are Format 6 or 8 (FREE) for scanning results and Format 9 (FULL) for viewing the full record.

Online Practice Exercises 1

Practice what you have learned in Section 1. The following exercises will require that you use all of the steps we have just completed.

- Conduct the search we just planned together; then try some of the additional searches below in a subject area of your choice.

Business and News

1. A major art theft often makes the headlines. What is the world's most stolen painting? Search the newspaper database for the Times/Sunday Times (File 710). HINT: It's a Rembrandt.
2. Australian pharmaceutical producer, SIRTEx [sic] Medical has been rumored to be a takeover target. What is the latest news on this possibility? Try a business news file, such as Gale Group PROMT (File 16), Business & Industry (File 9) or Dialog Global Reporter (File 20).
3. Loudeye Technologies, a U.S.-based Web media delivery company, has recently been involved in forming partnerships in Europe. What information can you find in the news about this company's activities? Search Dialog NewsRoom (File 990) or File 20.
4. What company produces "Funky Fruit Pops"? What are some of the "funky" flavors available? Try a business news file, such as Gale Group PROMT (File 16) or Business & Industry (File 9).

Life Sciences and Chemistry

5. A promising new HIV vaccine is undergoing clinical trials in Botswana. What is the drug name? Search World News Connection (File 985).
6. Severe Acute Respiratory Syndrome, or SARS, appears to be caused by a coronavirus, possibly transmitted from animals. What reports can you locate on the coronavirus-related diseases in turkeys? Search MEDLINE (File 154).
7. Search the chemical literature for articles on the toxicity of the pesticide diflubenzuron. Try CA SEARCH (File 399).

Intellectual Property

8. Search the current U.S. Patents Fulltext database (File 654) for any patents issued for metal baseball bats.
9. Who is the current assignee for the U.S. trademark "Bioengine"? Search U.S. TRADEMARKSCAN—Federal (File 226).

Engineering and Technology

10. What new developments are there in “direct-to-home” or “DTH” satellite services? [HINT: Watch out for stop words!] Search INSPEC (File 4).

11. MPEG-3, developed by ISO/IEC's "Moving Picture Experts Group," has proven to be an extremely popular format for distributing music over the Internet. Development of a new standard, MPEG-4, for multimedia digital formats such as streaming video, began in 2001. What is the current status of MPEG-4? Search INSPEC (File 4).

Section 2: Selecting a Database

In this section you will learn how to:

- Use the Database Selection Checklist
- Select an appropriate database from the *Dialog Database Catalog*
- Use DIALINDEX to choose databases
- Read a Dialog Bluesheet

Introduction

There are two components that make up a successful search: 1) using appropriate techniques to conduct the search on the Dialog system, and 2) choosing the correct database. This section will focus on the resources available to Dialog searchers to help them choose appropriate databases.

Database Selection Checklist

The success of an online search depends in large part on the database chosen. The following checklist will help you in determining the appropriate database.

Step 1: Use the Database Selection Checklist

- ✓ What is the general subject? (e.g., business, science, environmental, etc.)
- ✓ What is the perspective of the question? (e.g., technical, consumer-oriented, academic, etc.)
- ✓ How much information is desirable? (e.g., overview, comprehensive, etc.)
- ✓ What type of database is needed? (e.g., directory, complete text, etc.)

Dialog Database Catalog

Step 2: Use the Dialog Database Catalog to Locate a Database

The *Dialog Database Catalog* contains a comprehensive listing of the databases currently available on Dialog. The **Database Descriptions** section briefly summarizes the database coverage, file size, update frequency, and source(s) of the data.

The type of information that may be found in a database varies.

Bibliographic databases. Each record in a bibliographic database is a reference or citation (many also include a summary or an abstract) to a publication, magazine or journal article, news story, patent, conference paper, etc. (e.g., MEDLINE® (File 154), INSPEC® (File 2), Derwent World Patents Index (File 351)).

Fulltext databases. Each record includes the complete text of magazine articles, newswire stories, patents, etc. (e.g., The Times/Sunday Times (File 710), U.S. Patents Fulltext (File 654)).

Directory databases. Each record in a directory database gives factual information about companies, organizations, products, chemical compounds, etc. (e.g., D&B—European Financial Records (File 523), (TRADEMARKSCAN®—U.S. State (File 246), Pesticide Fact File (File 306)).

Numeric databases. Each record in a numeric database is a table of statistical data, often with text added (e.g., TableBase (File 93)).

Note: Some databases contain bibliographic and fulltext records (e.g., Business & Industry™ (File 9), Gale Group PROMT® (File 16)).

Dialog OneSearch®

Every time you enter a BEGIN command that opens more than one database, you are using the Dialog OneSearch capability, e.g., **BEGIN 149,154**. You can enter any combination of numbers, separated by commas, or a category name. A category name is a simple way of opening a group of related databases without having to look up or remember their file numbers. Examples of category names are: PATENTS, BIOTECH and PAPERS. OneSearch Category names are listed in the *Database Catalog*, and on the Web at library.dialog.com/bluesheets/html/blo.html.

Using DIALINDEX[®] to Locate Databases

Identifying relevant databases to search can be a very simple task—if you take advantage of the Dialog DIALINDEX tool. Instead of using the BEGIN command and then entering a search, DIALINDEX lets you do a preliminary scan of some—or all—Dialog databases to ascertain exactly which databases have how many matching records. DIALINDEX can save you time and money by ensuring that your search will produce relevant results.

What is DIALINDEX?

DIALINDEX (File 411) is a central index to most of the Dialog databases. In DIALINDEX, you can compare the number of records retrieved from a group of databases. Using a SELECT statement of up to 240 characters to describe the search topic, you can easily determine which databases are the best candidates for a search on a desired subject.

Use DIALINDEX to:

- Identify the most relevant database(s) before conducting a search
- Test out the effectiveness of your search strategy
- Save time and money by trying out your search before actually running it
- Search all 65+ billion documents on Dialog to search for a specific piece of data, such as a name, company, etc.

This section focuses on various techniques for searching multiple databases at a time, such as using DIALINDEX and OneSearch[®] categories.

DIALINDEX Categories

To use DIALINDEX, you must specify which databases are to be scanned. You can scan all Dialog databases, a combination of several categories, or specific databases or groups of databases. Categories are listed in the *Dialog Database Catalog*. They comprise three groups:

- *Supercategories*: All-inclusive broad subject categories, such as ALLSCIENCE or ALLNEWS. These categories are only searchable in DIALINDEX.
- *OneSearch subject categories*: Groups of databases in particular subject areas, searched using acronyms (PAPERS, BIOCHEM, MERGEACQ)
- *User-defined categories*: Groups of databases selected by the user. These categories may include combinations of subject categories and/or individual databases.

You can search all of the databases in DIALINDEX at one time using the category ALL.

DIALINDEX Commands

One of the advantages of using the Dialog search system is that you can search in multiple databases at the same time using the same search strategy.

The DIALINDEX/OneSearch commands, presented in Table 2-1, allow you to scan multiple databases for your search terms, save your search strategy, and execute a search in one or more databases identified in the DIALINDEX search.

Table 2-1. DIALINDEX Commands

Commands	Abbreviation	Description
BEGIN 411	B	Connects to File 411, DIALINDEX.
SET FILES	SF	SET FILES <file list> specifies the databases you wish to scan for your search terms. The file list can contain pre-defined categories, supercategories, file number(s), or a combination.
SELECT	S	Creates a set of records that contain the specified term(s).
SAVE TEMP		Saves temporarily the entire search strategy since the last BEGIN command.
RANK FILES	RF	Lists files in descending order by number of items.
BEGIN N#	B n#	BEGINS in the desired database(s).
EXECUTE STEPS	EXS EXS TDGENES EXS TD001	Runs the saved search strategy in the desired database(s). You can add a 1-6 digit name, or the system will identify the strategy with a number.
REMOVE DUPLICATES	RD	Removes duplicate records from the set.
FROM EACH	T S1/6/1-2 from each	Displays records from each database in a multiple-file search.

► **Topic** ◀ In an attempt to control the aging process, doctors are prescribing “hormone cocktails,” including those that contain human growth hormone (HGH). What can you find out about the risks of using this hormone?

BEGIN
DIALINDEX (File
411).

Define the group of databases to be scanned using SET FILES (SF) followed by acronyms and/or file numbers.

Enter the SELECT statement. You must use a single line command in DIALINDEX.

SAVE the search strategy temporarily. Note a SearchSave number is given (e.g., TD472).

Reorder the databases with the RANK FILES command so that the number of files with the most “hits” appears at the top of the list.

```
?b 411
File 411:DIALINDEX(R)

DIALINDEX(R)
(c) 2003 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***

?SF HEALTHBU
You have 17 files in your file list.
(To see banners, use SHOW FILES command)

?S (ANTIAGING OR ANTI()AGING) AND (HGH OR
HUMAN()GROWTH()HORMONE?) AND SAFE?

Your SELECT statement is:
S (ANTIAGING OR ANTI()AGING) AND (HGH OR
HUMAN()GROWTH()HORMONE?) AND SAFE?

Items  File
-----  ----
1      9: Business & Industry(R)_Jul/1994-2003/May 30
2      15: ABI/Inform(R)_1971-2003/Jun 02
17     16: Gale Group PROMT(R)_1990-2003/Jun 02
1      18: Gale Group F&S Index(R)_1988-2003/Jun 02
12     20: Dialog Global Reporter_1997-2003/Jun 02
1      129: PHIND(Archival)_1980-2003/May W4
13     148: Gale Group Trade & Industry DB_1976-2003/
      May 30
24     149: TGG Health&Wellness DB(SM)_1976-2003/May W4
2      635: Business Dateline(R)_1985-2003/May 31
2      636: Gale Group Newsletter DB(TM)_1987-2003/May

10 files have one or more items; file list includes 17
files.

?SAVE TEMP
Temp SearchSave "TD472" stored

?rank files

Your last SELECT statement was:
S (ANTIAGING OR ANTI()AGING) AND (HGH OR HUMAN()GROWTH
()HORMONE?) AND SAFE?
```

BEGIN the files you want to search, in this case, the top four.

Note: You can also use the N reference numbers to BEGIN in the desired files. You can use BEGIN HITS to search all files that contain records with your search terms.

EXECUTE (EXS) the most recently saved search strategy. To execute another saved search, use EXS <SearchSave number>.

Use REMOVE DUPLICATES (RD) to eliminate duplicate records from the final set.

```

Ref  Items  File
---  -
N1   24     149: TGG Health&Wellness DB(SM)_1976-2003/May W4
N2   17     16: Gale Group PROMT(R)_1990-2003/Jun 02
N3   13     148: Gale Group Trade & Industry DB_1976-2003/
      May 30
N4   12     20: Dialog Global Reporter_1997-2003/Jun 02
N5    2     15: ABI/Inform(R)_1971-2003/Jun 02
N6    2     635: Business Dateline(R)_1985-2003/May 31
N7    2     636: Gale Group Newsletter DB(TM)_1987-2003/May
N8    1      9: Business & Industry(R)_Jul/1994-2003/May 30
N9    1     18: Gale Group F&S Index(R)_1988-2003/Jun 02
N10  1     129: PHIND(Archival)_1980-2003/May W4
      10 files have one or more items; file list includes 17
      files.

```

- Enter P or PAGE for more -

?B 149,16,148,20

```

SYSTEM:OS - DIALOG OneSearch
File 149:TGG Health&Wellness DB(SM) 1976-2003/May W4
      (c) 2003 The Gale Group
File 16:Gale Group PROMT(R) 1990-2003/Jun 02
      (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/May 30
      (c)2003 The Gale Group
File 20:Dialog Global Reporter 1997-2003/Jun 02
      (c) 2003 The Dialog Corp.

```

```

Set  Items  Description
---  -

```

?EXS

```

Executing TD472
      800 ANTIAGING
     1036201 ANTI
     150926 AGING
      5824 ANTI(W) AGING
      1906 HGH
     2987536 HUMAN
     4200234 GROWTH
      99312 HORMONE?
      5518 HUMAN(W) GROWTH(W) HORMONE?
     2970732 SAFE?
S1      66 (ANTIAGING OR ANTI()AGING) AND (HGH OR
      HUMAN() GROWTH() HORMONE?) AND SAFE?

```

?RD

```

...examined 50 records (50)
...completed examining records
S2      49 RD (unique items)

```

TYPE a record using Format 6 to see the title and Format K to view the keywords in the context of the article.

Use FROM EACH at the end of the TYPE command to see a sampling of records from each database in this multiple-file search.

?T S2/6,K/1 FROM EACH

02186697 SUPPLIER NUMBER: 100736622 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Optimum aging with nature's hormone enhancing nutrients. (Age Management and Longevity).

2003

WORD COUNT: 1043 LINE COUNT: 00086

TEXT:

...most is not only to live longer, but to live better! Fortunately, recent developments in anti - aging medicine and nutraceuticals has progressed to the point where real solutions are finally available.

...of my life researching how the body ages. Unlike most physicians who strictly focus on anti - aging , I have designed my practice and treatment on Age Management. The key to longevity and...

...in Growth Hormone (GH), which is the cornerstone to my age management program.

What is Human Growth Hormone ?

A landmark study by Daniel Rudman MD, published in the New England Journal of Medicine, opened the medical communities' and public's eye to the benefits of Human Growth Hormone (HGH) therapy and its effects on aging. The results demonstrated that adult subjects receiving HGH therapy showed a ten to twenty year reversal in the aging process, along with a reduction in body fat, an increase in muscle mass and improved energy.

Human Growth Hormone is a long peptide hormone comprised of a string of 191 amino acids and is...

...easily understand why GH is the cornerstone to my hormone replacement and age management program.

.
.
.

2/6,K/25 (Item 1 from file: 16)

DIALOG(R)File 16:(c) 2003 The Gale Group. All rts. reserv.

10399203 Supplier Number: 99254541 (USE FORMAT 7 FOR FULLTEXT)

What's new in cosmetic R&D? Nature-based ingredients, in combination with innovative delivery systems and consumer-desirable benefits, are expected to lead new cosmetics research.

March, 2003

Word Count: 5524

The body aspect of modern consumerism continues to fuel anti - aging cosmetics research via a combination of new ingredients, delivery systems, and performance attributes. Next to...

...to have ignored this vast, unprecedented opportunity for topical body shape management and enhancement products. Anti - aging products still remain of ageless pursuit!
The mind portion of consumerism is demanding product satisfaction...

.
. .
2/6,K/41 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2003 The Gale Group. All rts. reserv.

11307047 SUPPLIER NUMBER: 55616969 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Doctors are selling the fountain of youth.
August 9, 1999
WORD COUNT: 2762 LINE COUNT: 00216

ABSTRACT: Physicians who are the movers of the anti - aging movement have been disdained by their mainstream counterparts because of their unproven claims. Among the promises made by anti - aging practitioners is the reversal of deadly diseases such as Alzheimer's, atherosclerosis, diabetes and osteoporosis. To aid the aging body, anti - aging physicians prescribe hormone replacement therapy, anti-oxidants, vitamins and exercise. However, the efficacy of hormone...

TEXT:
The anti - aging movement attracts patients willing to spend heavily to look and feel younger - and doctors eager...
Each day, Gary Handwerker takes 40 pills and two injections of human growth hormone - at an out-of-pocket cost of \$2,000 a month. The 61-year-old...

.
. .
?T S2/9/41

2/9/41 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB (c)2003 The Gale Group. All rts. reserv.
11307047 SUPPLIER NUMBER: 55616969 (THIS IS THE FULL TEXT)
Doctors are selling the fountain of youth.
Slomski, Anita J.
Medical Economics, 76, 15, 94(4)
August 9, 1999
ISSN: 0025-7206 LANGUAGE: English RECORD TYPE:
Fulltext; Abstract
WORD COUNT: 2762 LINE COUNT: 00216

TYPE the record of your choice in Format 9 to obtain the complete record.

ABSTRACT: Physicians who are the movers of the anti-aging movement have been disdained by their mainstream counterparts because of their unproven claims. Among the promises made by anti-aging practitioners is the reversal of deadly diseases such as Alzheimer's, atherosclerosis, diabetes and osteoporosis. To aid the aging body, anti-aging physicians prescribe hormone replacement therapy, anti-oxidants, vitamins and exercise. However, the efficacy of hormone injections has been contested by mainstream physicians who say that there are no long-term studies to substantiate those claims.

TEXT:

The anti-aging movement attracts patients willing to spend heavily to look and feel younger - and doctors eager to cater to them.

Each day, Gary Handwerker takes 40 pills and two injections of human growth hormone - at an out-of-pocket cost of \$2,000 a month. The 61-year-old Chicago business executive isn't sick. He's just, well, 61 years old. And he intends to live a long, disease-free life - unlike his

.
. .
.

✓ Learning Check

1. What does the command "RD" do and why is it used?
2. What is the proper syntax for a TYPE command?
3. What Dialog format number is often equivalent to "FREE"?
4. Why is a shorter format sometimes used to view records?
5. What is the advantage to using the KWIC (K) format?
6. Using DIALINDEX, write the proper search strategy to find articles in Business & Industry (File 9) and Dialog Global Reporter (File 20) that focus on Microsoft and wireless communication or networking.

Using the Dialog Bluesheets

Dialog Bluesheets are available in print and electronically in File 415 and on the Internet at support.dialog.com/bluesheets. A Bluesheet is a written guide for a database on Dialog and includes detailed instructions on search techniques for the special features of the database. This section focuses on Bluesheets, their main parts, and how to use them to modify a search.

When first starting a search, review the Dialog Bluesheets for the databases you are going to use. You may want to identify searchable codes, limits, and formats. Each searchable part of a database record is called a "field." For example, a record usually has a Title field, Author Name field, and Publication Year (or Date) field, among others. Each database can contain unique fields, as well as fields that are common to many databases. The Bluesheet identifies the searchable fields available in the database.

Main Parts of the Bluesheet

- **Front Page:** The front page of the Bluesheet introduces you to the database and its content. Included on the front page is a file description, subject coverage, date range, update frequency, sources of the data, and the origin of the information.

File Description [\[top\]](#)

The **Gale Group Health & Wellness DatabaseSM** is a comprehensive periodical and reference database produced by The Gale Group, providing broad coverage in the areas of health, medicine, fitness, and nutrition. Gale Group Health & Wellness Database is designed to address the needs of health and medical professionals, specialized business and industry researchers, consumers, and a wide range of people seeking a general understanding about important health issues and practices.

Gale Group Health & Wellness Database covers a diverse range of sources, including consumer health magazines, professional medical journals, consumer health pamphlets, medical reference books, topical overviews of diseases and medical conditions, and important referral information. Also included are health-related articles from more than 4,000 other business and general interest publications indexed by The Gale Group in such databases as Trade & Industry DatabaseSM (File 148), Magazine DatabaseSM (File 47), and others.

Full text is provided for 70% of the consumer and professional journals; pamphlets, overviews, and other reference material are 100% full text. Four kinds of abstracts are available in Health & Wellness Database: author abstracts, provided for articles from professional journals; "consumer summaries," provided for many of the technically-oriented articles, written expressly for the layperson or non-medical professional; and brief summaries and abstracts derived from other Gale Group databases.

Gale Group Health & Wellness Database includes 170 consumer and professional publications. Also included are 530 consumer health pamphlets published by leading foundations, associations, and government agencies.

Key reference sources also are featured, including five medical reference books (Columbia University College of Physicians and Surgeons Complete Home Medical Guide, Mosby's Medical Dictionary, The People's Book of Medical Tests, Oryx Press Consumer Health Information Source Book, and the USP DI-VII A Advice for the Patient: Drug Information in Lay Language), topical overviews of more than 1,800 descriptions of diseases and medical conditions published by Clinical Reference Systems (CRS), and contact information for support groups, hotlines, and research centers from The Complete Directory for People With Chronic Illness.

- **Coverage:** The Bluesheet also lists the subjects covered in the database.

Subject Coverage [\[top\]](#)

Coverage includes, but is not limited to:

- Alcohol & Drug Abuse
- Aging
- AIDS
- Alternative Medicine
- Biotechnology
- Cancer
- Cardiovascular Disease
- Clinical Medicine
- Dentistry
- Diabetes
- Diagnostic Tests
- Diseases & Treatments
- Drug Information
- Fitness/Exercise/Sports
- Handicapped/Disabled
- Health Care Administration
- Health Care Costs
- Health Insurance
- Health Legislation
- Hotline Information
- Human Genetics
- Managed Care
- Medical Tests/Procedures
- Mental Health
- Nutrition
- Occupational Health & Safety

- **Sample Record:** A sample record appears on the second page of the Bluesheet. It shows what you can expect to obtain when you perform a search in the database. It also lists the codes you can use for searching.

SAMPLE RECORD [\[top\]](#)

```

DIALOG(R)File 149: Health & Wellness Database(SM)
(c) 1999 The Gale Group. All rts. reserv.
AA= 00000909 SUPPLIER NUMBER: 17311230 (THIS IS THE FULL TEXT)
/TT Baby boomers come of age: nutrition in the 21st century.
AU= Chernoff, Ronni
JN= Journal of the American Dietetic Association, v95, n6, p650(5)
PD=, PY= June, 1995
SN=, LA=, RT= ISSN: 0002-8223 LANGUAGE: English RECORD TYPE: Fulltext;
Abstract
WD= WORD COUNT: 5038 LINE COUNT: 00404
/AB,/XT ABSTRACT: The aging of the baby boom generation is expected to
have a substantial impact on the profile of the country's elderly
population. For nutrition professionals, this development can have
important implications. It is important to plan for the future in
order to be better prepared to cope with these changes. Planning
should take into account the professional environment, available
resources, changing demographics and the political realities of
the 21st century.
TEXT:
/LP,/XT,/TX In the summer of 1994, Jesse Brown, Secretary of the
Department of Veterans Affairs (VA), sent a message to
all VA employees about health-care reform that is relevant
in a broader context. Brown said stop worrying about the
future; instead, put your energies into preparing for it. This
is certainly an interesting and challenging thought, especially
at this time in history.
.

```

- **Format Options:** Pre-defined formats are used to display specific parts of the record. Always check the Bluesheet for format options as they will vary in different databases.

PREDEFINED FORMAT OPTIONS [\[top\]](#)

NO.	DIALOGWEB FORMAT	RECORD CONTENT
1	--	DIALOG Accession Number
2	--	Bibliographic Citation, Word Count, and Indexing
3	Medium	Bibliographic Citation and Word Count
4	--	Bibliographic Citation and Abstract
5	Long	Full Record except Text
6	Free	Title and Word Count
7	--	Bibliographic Citation and Text
8	Short	Title, Word Count, and Indexing
9	Full	Full Record
K	--	KWIC (Key Word In Context) displays a window of text; may be used alone or with other formats

- **Search Options:** These are the most important parts of the Bluesheet. When Dialog prepares a database for online searching, the fields in the database records are divided into two general categories: fields related to the subject content and those related to non-subject aspects of the record. These are called Basic Index fields and Additional Index fields, respectively. Section 3 will review these fields.

Online Practice Exercises 2

Use DIALINDEX (File 411) to obtain answers to the following questions. Begin the searches in DIALINDEX and then conduct the searches in the databases you find with the highest number of records. A DIALINDEX category has been suggested for only half the practice exercises. Use the *Database Catalog* to identify appropriate categories for completing the other exercises.

Business and News

1. Find information about a Japanese company, “Rei Denshi.” HINT: Try the DIALINDEX category JAPANCO.
2. What are the main ingredients in a rich dessert called gianduja?

Life Science and Chemistry

3. Snatches of a conversation were overheard in which the phrases “Factor C” and “horseshoe crabs” were mentioned. Use DIALINDEX to determine what the conversation was about. HINT: Try the DIALINDEX supercategory ALLNEWS.
4. Do fish that live in the Antarctic, or other very cold waters, have some sort of anti-freeze to protect them from freezing?

Intellectual Property

5. Much attention is focused on creating micro-electro mechanical systems (MEMS)—machines that are made of molecular-sized components. One important device for any machine is a hinge. Have any patents been granted for a “micro-hinge”? HINT: Try the DIALINDEX category PATENTS
6. In which countries has the trademark “Legoland” been registered?

Engineering and Technology

7. Find recent articles that discuss the manufacturing method called “micro-origami.” HINT: Try the DIALINDEX category ENG (i.e., Engineering).
8. What recent developments are there in the use of flywheel technology for energy storage?



Section 3: Modifying and Enhancing a Search

In this section you will learn how to:

- apply suffixes and prefixes to refine a search
- use the Dialog Bluesheet for code searching
- use the EXPAND command

Restricting the search to specific parts of a record can focus the retrieval to the most relevant records on a topic. In this section you will learn about qualifiers (suffixes and prefixes) to search in different parts of a record.

The Basic Index

When you enter subject terms in a search statement without any qualifiers, the system automatically searches all fields of the Dialog index called the Basic Index.

Suffixes are qualifiers in the Basic Index. They are used to search the most important, subject-related information within each record. They are appended to the end of a search word, a search phrase, or a set number (e.g., **antiaging/ti**). You can use more than one suffix by separating them with commas (e.g., **antiaging/ti,de**). Always check the Bluesheet to see which suffixes are available in the database you are using.

Table 3-1. Common Suffixes

Suffix	Field Name	Example
/ti	Title	S skin/ti S skin(2n)cancer/ti
/de	Descriptor	S cancer/de S human(w)growth(w)hormone/ti,de
/co	Company Name	S campbell/co S s1/co,ti

The comma between /ti,de instructs the system to search in both the title and descriptor fields. It is functionally equivalent to using OR. For example, **s portals/ti or portals/de** retrieves the same information as **s portals/ti,de**

BASIC INDEX <small>[top]</small>				
SEARCH SUFFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
None	None	All Basic Index Fields	Word	S BABY(W)BOOM
/AB	AB	Abstract ¹	Word	S BABY(W)BOOM/AB
/CO	CO	Company Name ²	Word	S COLGATE(W)PALMOLIVE/CO
/CP	CP	Caption ³	Word	S DRUG(W)USE/CP
/DE	DE	Descriptor ⁴	Word & Phrase	S BABY(W)BOOM(W)GENERATION/DE S BABY BOOM GENERATION/DE S NUTRITIONISTS(L)PLANNING
/GN	GN	Geographic Name ²	Word	S NORTH(W)AMERICA/GN
/LP	LP	Lead Paragraph ¹	Word	S JESSE(W)BROWN/LP
/NM	NM	Named Person ^{2,5}	Word	S EVERETT(1N)KOOP/NM
/TI	TI	Title	Word	S NUTRITION(2W)21ST(W)CENTURY/TI
/TN	TN	Brand Name ^{2,6}	Word	S LANACORT(W)10/TN
/TX	TX	Text	Word	S HEALTH(W)CARE(W)REFORM/TX

Note the following columns of the Basic Index in File 149:

- Search suffixes like /ab and /de and the field name for each
- Indexing, either “word” or “phrase,” which determines whether proximity connectors (N) or (W) are needed with two-word phrases
- The examples which illustrate how to enter the term(s)

► **Topic** ◀ Check the medical literature for any studies of DHEA as a treatment for Alzheimer’s Disease. It is important when searching publications written for a professional audience that you be mindful of jargon and technical terms that are more likely to appear. (HINT: DHEA is short for DEHYDROEPIANDROSTERONE SULFATE)

BEGIN in MEDLINE, a file specializing in medical literature.

SELECT keywords making sure to use synonyms.

Use the OR connector to connect sets of synonyms.

SELECT additional keywords.

```

?b 154
File 154:MEDLINE(R) 1990-2003/Jun W1
(c) format only 2003 The Dialog Corp.

Set Items Description
---
?s dhea
S1 1954 DHEA

?s DEHYDROEPIANDROSTERONE (w) SULFATE
3812 DEHYDROEPIANDROSTERONE
44641 SULFATE
S2 1997 DEHYDROEPIANDROSTERONE (W) SULFATE

?s s1 or s2
1954 S1
1997 S2
S3 3314 S1 OR S2

?s alzheimer
S4 31556 ALZHEIMER
    
```

Use the AND operator to connect different concepts.

TYPE several records to check their relevancy.

Record 3 appears to be the most relevant.

Narrow the previous search using suffixes, in this case limit to the title (/TI) and descriptors (/DE).

Combine the resulting sets.

Note that all of the records from this search seem to be relevant.

```
?s s3 and s4
          3314 S3
          31556 S4
S5          60 S3 AND S4

?t s5/6/1-3

5/6/1
14929768 22668929 PMID: 12783605
Dehydroepiandrosterone, a sex steroid metabolite in
development for systemic lupus erythematosus.
Jun 2003

5/6/2
14912267 22657858 PMID: 12773942
Extragenadal synthesis of sex steroids: intracrinology.
Apr 2003

5/6/3
14904337 22483428 PMID: 12595910
Dehydroepiandrosterone ( DHEA ) and the aging brain:
flipping a coin in the "fountain of youth".
Spring 2003

?s s4/ti,de
S6 24356 S4/TI,DE

?s s3/ti,de
S7 1694 S3/TI,DE

?s s6 and s7
          24356 S6
          1694 S7
S8          31 S6 AND S7

?t s8/6/1-2

8/6/1
14733978 22569086 PMID: 12682308
DHEA treatment of Alzheimer 's disease: a
randomized, double-blind, placebo-controlled study.
Apr 8 2003

8/6/2
14733975 22569083 PMID: 12682305
DHEA for Alzheimer 's disease: a modest showing by a
superhormone.
Apr 8 2003
```

Had the search been done using only the term "DHEA," a scan of the results would have turned up the full chemical name (e.g., record 3). It is a good idea when reviewing your search results to watch for alternate terms and redo the search if appropriate.

The Additional Indexes

Prefixes are used to search the Additional Indexes, which focus on non-subject related information in the database. The Additional Indexes are also listed on the Bluesheet as shown in the excerpt from File 149. To search the Additional Indexes, you must specify the field you want to search by using two-character codes (PY=). These prefix codes can be used to further narrow the search or to find one specific piece of information. Check the Bluesheet for specific prefixes since many are database specific. Note also whether a field is phrase-indexed, word-indexed, or both. Finally, if you are searching names, check the examples on the Bluesheet to see how names are indexed (e.g., crane, beverley or crane, b or crane b).

Table 3-2. Common Prefixes

Prefix	Field Name	Example
PY=	Publication Year	S py=2003
PD=	Publication Date	S pd=20030211
JN=	Journal Name	S jn=national geographic
Au=	Author Name	S au=koop, c?

- Use truncation (?) at the end of a search term expressing a name to retrieve all variations of the name (e.g., co=colgate-palmolive?)
- Use a colon (:) to search a range of dates (e.g., s py=2000:2003)
- For publication date, use 4-digit year, 2-digit month, 2-digit day (e.g., pd=20030410)

ADDITIONAL INDEXES [top]				
SEARCH PREFIX	DISPLAY CODE	FIELD NAME	INDEXING	SELECT EXAMPLES
AA=	AA	IAC Accession Number	Phrase	S AA=17311230
None	AN	DIALOG Accession Number		
AU=	AU	Author	Phrase	S AU=CHERNOFF, RONNI
CC=	CN	Case Citation	Word & Phrase	S CC=(N(W)Y(W)APP) S CC=N.Y. CT. APP.?
None	CG	Copyright		
CN=	CN	Case Name	Word & Phrase	S CN=(WESTCHESTER(W)COUNTY) S CN=DELIO V. WESTCHESTER COUNTY?
CO=	CO	Company Name ²	Phrase	S CO=COLGATE-PALMOLIVE?
DD=	DD	Mosby's Dictionary Definition	Word	S DD=(INFLAMMATORY(W)CONDITION)
DT=	DT	Document Type ²	Phrase	S DT=REVIEW
EC=	EC	Event Code	Phrase	S EC=310
EN=	EN	Event Name	Phrase	S EN='SCIENCE & RESEARCH'
FS=	FS	File Segment	Phrase	S FS=HI FILE 149
GC=	GC	Geographic Code	Phrase	S GC=NNCN
GN=	GN	Geographic Name ²	Phrase	S GN=BETHESDA, MD.
GR=	GR	Review Grade	Phrase	S GR=A
JN=	JN	Journal Name	Phrase	S JN=JOURNAL OF THE AMERICAN DIETETIC?
LA=	LA	Language	Phrase	S LA=ENGLISH

✓ **Learning Check**

1. Using the Bluesheet excerpt on the previous page, choose the correct codes to search the following:
 - a. Articles written in French
 - b. A geographic name
 - c. The lead paragraph
 - d. A journal name

Using the EXPAND Command

In Additional Indexes that contain names (e.g., companies, authors, journals, patent assignees, etc.), the names must be entered exactly the way they appear in the database. The EXPAND command (abbreviated E) is used to verify the spelling of names and to view names that are similar in spelling. EXPAND shows you a 50-item list from that database and displays 12 items at a time.

There are two steps to using EXPAND:

Step 1: Use EXPAND (E) to verify the spelling, punctuation, and other variations of the name in the name field. Use a two-letter qualifier, called a prefix, followed by an equal sign (=) before the name.

Example: E au=williams, b

Step 2: Use the E reference number to SELECT the desired entry(s).

Example: s e4
s e4 or e5
s e3:e6

When using EXPAND, do not use proximity connectors or truncation.

► **Topic** ◀ One of the experts interviewed in the article from *Natural Health* is Thomas Perls. Dr. Perls has written an article in which he describes how to live to be 100 years old. Find this article. (HINT: It was published in 2002).

BEGIN in SciSearch (File 34), a database that contains records from scientific and technical literature.

Add CURRENT to the end of the BEGIN command to search the current year plus one back year.

Use the EXPAND command and the author's name. This database indexes first initials (not first names).

```
?b 34 current
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jun W1
(c) 2003 Inst for Sci Info
>>>CURRENT started
Set Items Description
--- ----
?e au=perls t

Ref  Items  Index-term
E1   1      AU=PERLS H
E2   2      AU=PERLS KB
E3   24    *AU=PERLS T
E4   25    AU=PERLS TT
E5   5      AU=PERLSMAN E
E6   3      AU=PERLSMAN M
E7   1      AU=PERLSON BD
E8   2      AU=PERLSON LN
E9   2      AU=PERLSTADT H
E10  1      AU=PERLSTADT MA
E11  2      AU=PERLSTEIN D
E12  1      AU=PERLSTEIN DA

Enter P or PAGE for more
```

SELECT
appropriate E
numbers.

Use keywords to
narrow the search.
Use numbers and
the (W) connector
to take the place
of any
punctuation.

Restrict to the
Publication Year
(PY=) of the
article.

Combine all of the
sets.

TYPE records
using Formats 6,K

```
?s e3:e4
      S1      15  AU='PERLS T':AU='PERLS TT'

?s 100 or one(w)hundred
      436765  100
      1280614  ONE
      58036    HUNDRED
      27985    ONE (W) HUNDRED
      S2 461389 100 OR ONE (W) HUNDRED

?s py=2002
      S3 983731  PY=2002

?s s1 and s2 and s3
      15 S1
      461389 S2
      983731 S3
      S4      4  S1 AND S2 AND S3

?t s4/6,k/all

  4/6,K/1
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts.
reserv.

10877832 Genuine Article#: 578ZY Number of References: 54
Title: What does it take to live to 100 ? (ABSTRACT
AVAILABLE)
Publication date: 20020100

Title: What does it take to live to 100 ?
Author(s): Perls T ; Levenson R; Regan M; Puca A
(REPRINT), 2002
...Abstract: last few years of their lives, Thus, it
appears that in order to live to 100 . one must age
relatively slowly and markedly delay and/or escape age-
associated diseases. How...

  4/6,K/2
DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts.
reserv.

10735157 Genuine Article#: 562UQ Number of References: 34
Title: Life-long sustained mortality advantage of siblings
of centenarians (ABSTRACT AVAILABLE)
Publication date: 20020611

Author(s): Perls TT (REPRINT) ; Wilmoth J; Levenson R;
Drinkwater M; Cohen M; Bogan H; Joyce E; Brewster...,
2002
...Abstract: cohort, male siblings of centenarians were at
least 17 times as likely to attain age 100 themselves,
while female siblings were at least 8 times as likely.
```

4/6,K/3

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts.
reserv.

10687693 Genuine Article#: 555JV Number of References: 56

Title: Distinguishing between neurodegenerative disease and disease-free aging: Correlating neuropsychological evaluations and neuropathological studies in centenarians
(ABSTRACT AVAILABLE)

Publication date: 20020500

Author(s): Silver MH (REPRINT) ; Newell K; Brady C; Hedley-White ET; **Perls TT, 2002**

Abstract: Objective: In an examination of disease-free aging and neurodegenerative disease in **100** -year-olds, the New England Centenarian Study compared data from neuropsychological evaluations with postmortem brain studies of fourteen **100** -year-olds to ascertain if the presence or absence of Alzheimer disease changes correlated with...

4/6,K/4

DIALOG(R)File 34:(c) 2003 Inst for Sci Info. All rts.
reserv.

10676847 Genuine Article#: BU36U Number of References: 75

Title: Genetic and environmental influences on exceptional longevity and the AGE nomogram (ABSTRACT AVAILABLE)

Publication date: 20020000

Author(s): **Perls T (REPRINT), 2002**

...Abstract: than we originally thought have the optimal set of genetic factors necessary to get to **100** and beyond. Recent studies indicate the likelihood that such factors will be elucidated in the...

When you SELECT E numbers, the total number of records will be less than in the EXPAND list because CURRENT is not reflected in the EXPAND list.

Online Practice Exercise 3

News & Business

1. Your company is interested in doing business with Starguide Digital Networks, a U.S. company. Check Experian (formerly TRW) Credit Reports (File 547) to determine if the company has any accounts past due.
2. Dietary supplements that promise to slow aging and improve health are bound to appeal to pet owners. Farnham Pet Doctor Products has released a line of “Nutra-Sure Supplements,” including DHEA for pets. Find out more about this company. Check D&B[®]—Dun’s Market Identifiers (File 516).

Life Sciences and Chemistry

3. Search the Pesticides Fact File (File 306) to get a chemical profile of the pesticide diflubenzuron. HINT: EXPAND on the Chemical Name field (NA=).
4. Try the same search on Dr. Perls in MEDLINE (File 154). Remember in the article he describes how to live to be 100 years old. It was published in 2002.

Intellectual Property

5. What are the ingredients for the soft drink described in U.S. patent 6,403,120? Search in U.S. Patents Fulltext (File 654). Hint: Omit the commas from the patent number.
6. What trademarks was Italian pharmaceutical company, Rottapharm, granted in the United States in 2003? Use TRADEMARKSCAN—U.S. Federal (File 226).

Engineering/Technology

7. Find articles that discuss the use of liquid anti-corrosion treatment of packaging that protects electronic equipment against electrostatic discharge (EDS). Limit retrieval to English only abstracts. Check the *Database Catalog* for an appropriate database.
8. Find recent technical articles that discuss robot-assisted surgeries. Check the *Database Catalog* for an appropriate database.



Section 4: Wrap Up

Summary

You have now learned and practiced the basics of searching on Dialog. You have learned Dialog basic commands, how to identify key terms and choose synonyms. In addition, you have learned how to truncate, use proximity connectors and logical operators. You have also used the *Dialog Database Catalog*, DIALINDEX, and the Dialog Bluesheets to select databases. Finally, you have restricted searches to Basic and Additional Indexes, using suffixes and prefixes and the EXPAND command. A list of the commands covered in this session follows:

Basic Commands

BEGIN	begin 9 or b 9
EXPAND	e pa=milton bradley expand au=jones d
SELECT	select skelly
TYPE	type s#/format/range of records t s1/3/1,6 t s3/6/1-2 from each t s3/9/1 from 16
LOGOFF	logoff bye quit stop off log

<p>Common Formats</p> <p>6 – Titles</p> <p>8 – Titles/Indexing</p> <p>3 – Bibliographic</p> <p>9 – Complete Record</p> <p>K – Terms in context</p>

Truncation

Truncation allows you to look for words, which may have several different endings. Place a question mark (?) at the end of a word stem to retrieve all endings.

s lemon? Retrieves lemon, lemons, lemonade, lemonbutter

Set History

Displays the set history since the last BEGIN command

DISPLAY SETS or **DS**

Proximity Connectors

- | | |
|-----------------------------|---|
| (n) s game?(n)board? | Retrieves words next to each other in any order.
Example: game boards or board games |
| (w) s indoor(w)game? | Retrieves words next to each other in the order expressed.
Example: indoor game or indoor games |
| (#n) s game(2n)board | Retrieves words that are up to # words apart in any order.
Example: the board for the game is missing |
| (#w) s game(5w)board | Retrieves words that are # words apart in the order expressed.
Example: the game is played on a board |
| (s) s game(s)board | Retrieves words in the same paragraph in full-text databases. |

Logical Operators

- | | |
|------------------------------|--|
| AND s skelly and game | Retrieves all records that contain all of the search terms. |
| OR s game or toy | Retrieves all records that contain at least one of the search terms. |

When AND and OR are used in the same search statement put the ORed terms in parentheses.

Saving Searches

- | | |
|----------------------|--|
| SAVE TEMP | Temporarily saves search strategy for seven days. |
| EXECUTE STEPS | Executes that strategy at a later time while still online. |

CURRENT

Use CURRENT to BEGIN a database or a group of databases during a specified time period. CURRENT means current year plus one back year, e.g., **B 148 CURRENT**. Add a number up to 5 to "CURRENT" to extend the time period, e.g., **B 148 CURRENT3** (Current year plus three years back).

Bluesheets

Dialog Bluesheets provide information about the content and search features for each database on Dialog. You can access Bluesheets online or in print.

DIALINDEX

Commands	Abbreviation	Description
BEGIN 411	B	Connects to File 411, DIALINDEX.
SET FILES	SF	SET FILES <file list> specifies the databases you wish to scan for your search terms. The file list can contain pre-defined categories, supercategories, file number(s), or a combination.
SELECT	S	Creates a set of records that contain the specified term(s).
SAVE TEMP		Saves temporarily the entire search strategy since the last BEGIN command.
RANK FILES	RF	Lists files in descending order by number of items.
BEGIN N#	B n#	BEGINs in the desired database(s).
EXECUTE STEPS	EXS EXS TDGENES EXS TD001	Runs the saved search strategy in the desired database(s). You can add a 1-6 digit name, or the system will identify the strategy with a number.
REMOVE DUPLICATES	RD	Removes duplicate records from the set.
FROM EACH	T S1/6/1-2 from each	Displays records from each database in a multiple-file search.

Qualifiers

Suffixes, two-letter codes appended to the end of the search term that allow you to restrict a search to a specific part of the record, such as the Title or Lead Paragraph.

/TI **taco(n)shell/ti**
/LP **stock(w)market/LP**

Prefixes, two-letter codes that precede the search term, followed by an equal sign (=), such as Author Name or Publication Date.

AU= **AU=hess, glenn**
PY= **PY=2003**

Other Dialog Training Tools

- Practice so that using Dialog commands and features becomes automatic.
 - Online Training and Practice (ONTAP) Databases provide practice in subsets of the complete databases. They are ideal to use to practice techniques learned in this seminar. Try the ONTAP practice exercises in the ONTAP Workbook found at ***training.dialog.com/sem_info/courses/#ontap***.
- Obtain help
 - Call the Knowledge Center help line nearest you for search help.
 - North America: 1-800-334-2564
 - Europe, Middle East, Africa: 0800.690.000
 - Asia Pacific: Australia – 1-800-65 45 25
 - Outside Australia – 61 2 8587 7719
- Enhance your Dialog search skills by taking advantage of additional training opportunities. At the Dialog Training Center on the Web (***training.dialog.com/sem_info/calendar***), you can find training schedules, seminar workbooks, and subject-specific short training aids.

Of particular interest may be: Introduction to Dialog online courses available at the Dialog training Web site at ***training.dialog.com***. Each course is designed as a beginning course for the business, patent, life sciences, and engineering researcher.

You can also sign up for remote training with a Dialog training consultant. See a schedule of sessions in your geographic area on the Dialog Web site at ***training.dialog.com/sem_info/calendar***.

Appendixes

Appendix A: Setting up a Dialog Alert

Appendix B: Answers to Practice Exercises

Appendix C: Search Worksheet

Appendix A: Setting Up a Dialog AlertSM

It is often necessary to monitor what a specific company is doing, what technologies are being created, or what drugs are in the pipeline. Dialog Alert is a current awareness service that allows a search to run automatically whenever new records are added to the database and have the results delivered via postal mail or electronically via fax or e-mail. The Alert service is available for most regularly updated databases on the Dialog service.

The procedure for creating, modifying and deleting an Alert is illustrated below.

► **Topic** ◀ Keep up to date on any new studies of DHEA as a treatment for Alzheimer's Disease.

Complete the search that you want to have run on a regular basis.

TYPE a few records to make sure the search is on target.

```
?B 154
File 154:MEDLINE(R) 1990-2003/Jun W1
      (c) format only 2003 The Dialog Corp.

      Set  Items  Description
      ---  ----  -
?S (DHEA OR DEHYDROEPIANDROSTERONE (W) SULFATE) /TI,DE
      312  DHEA/TI,DE
      2111 DEHYDROEPIANDROSTERONE/TI,DE
      18447 SULFATE/TI,DE
      1470 DEHYDROEPIANDROSTERONE/TI,DE (W)
           SULFATE/TI,DE
      S1   1694 (DHEA OR DEHYDROEPIANDROSTERONE (W)
           SULFATE) /TI,DE

?S (ALZHEIMER OR ALZHEIMERS) /TI,DE
      24356 ALZHEIMER/TI,DE
           31 ALZHEIMERS/TI,DE
      S2   24356 (ALZHEIMER OR ALZHEIMERS) /TI,DE

?S S1 AND S2
           1694 S1
           24356 S2
      S3     31 S1 AND S2

?T S3/6/1-3

      3/6/1
14733978 22569086 PMID: 12682308
DHEA treatment of Alzheimer's disease: a randomized,
double-blind, placebo-controlled study.
Apr 8 2003

      3/6/2
14733975 22569083 PMID: 12682305
DHEA for Alzheimer's disease: a modest showing by a
superhormone.
Apr 8 2003
```

Type **SAVE ALERT** and you will be prompted to set up the Alert.

You can have the Alert run when the database is updated or select a day and time of your own choosing.

The system will prompt you as shown (e.g., weekly on Friday at 5pm)

Duplicates can be removed.

You can choose to be notified that your Alert was run even if there are no new records.

Review the Alert setup and then **SAVE** it.

Enter a name for the Alert of up to 6 characters.

Note: You can also enter a title for the Alert by typing **PRINT TITLE**.

?SAVE ALERT

Do you want the Alert run based on a file's Alert Update schedule or on a Custom schedule you set up? U=Update C=Custom Q=Quit H=Help

?C

Choose when you want the alert to run:

Q=Quit H=Help

1. Monthly
2. Twice a month
3. **Weekly**
4. Daily

?3

Choose the day of week you want the Alert to run:

1. Monday
2. Tuesday
3. Wednesday
4. Thursday
5. **Friday**
6. Saturday
7. Sunday

Q=Quit H=Help

?5

Enter exact hour to run the Alert (e.g, 2pm or 14)

Q=Quit H=Help

?5PM

Do you want duplicates removed automatically? Y=Yes

N=No H=Help

?Y

Do you want notification even if no documents are found?

Y=Yes N=No

?N

Your alert currently has these settings:

1. Databases: 154
2. Frequency: Weekly
3. Run at: Friday at 5PM
4. Dedupe: Y
5. Notify: ONLY when new documents are found (Notify=OFF)

To make a change, enter a line number.

To save the Alert, enter S for Save.

Q=Quit H=Help

?S

Enter up to 6 characters for a name. Include at least one letter. Or press ENTER for system-assigned name.

Q=Quit H=Help

?DHEA

Enter a **PRINT** statement to specify the set, the format you would like, the number of items, and the delivery address.

Then **SAVE** the Alert.

To view the Alert, enter **RECALL**, plus the name of the Alert.

To set up an address for the Alert, enter **EDIT Address**. You will be prompted for the setup.

Choose the type of delivery, in this example e-mail and enter the e-mail address.

Select the type of software you use for your e-mail.

```

Enter a PRINT statement for your Alert.
Q=Quit H=Help

?PR S3/9/ALL ADDR AC002

Enter the next PRINT command or enter S to SAVE.
Q=Quit H=Help

?SAVE
Alert "DXDHEA" saved

?recall dxdhea

Alert Name      Modified Frequency      Files
-----
DXDHEA          09jun03 Weekly              154

?EDIT ADDRESS

Please select an address type:
1. Postal (First Class Mail)
2. Fax
3. Email
4. FTP
5. Modem (for SitePrints)
Q=Quit H=Help

?3

Enter address information for Email delivery
Q=Quit H=Help
Email address (required)

?MYNAME@COMPANY.COM
1. Email address          MYNAME@COMPANY.COM

Select your email software:

1. AOL America Online          9. Microsoft Mail
2. AT&T Mail                    10. Microsoft Outlook
3. Compuserve                  11. Microsoft Outlook Express
4. Eudora                      12. Netscape Communicator Email
5. Lotus cc:Mail               13. Netscape Navigator Email
6. Lotus Notes Mail            14. Novell Groupwise
7. Microsoft Exchange Server  15. Pegasus
8. Microsoft Internet Mail     16. Prodigy

or select a generic type

17. Generic (MIME Attachment)
18. Generic (MIME Inline)
19. Generic (UUEncode)
20. Generic (No Attachment) or Don't Know
?11

This address will be used for Email delivery:
    
```

Then SAVE the Address.

Add a name for the Address.

To see an address you set up, enter RECALL ADDRESS.

```
Email address          MYNAME@COMPANY.COM
Email Software         Microsoft Outlook Express
Max Message Size (Mb)  3
S=Save address  C=Change address  Q=Quit  H=Help

?S

Enter up to 8 characters for a name. Include at least one
letter.
Or press ENTER for system-assigned name.
Q=Quit  H=Help

?GENERIC
Address GENERIC saved. To display it, enter RECALL ADDRESS
GENERIC

?recall address

Address "GENERIC" is used for Email delivery:

Email address          MYNAME@COMPANY.COM
Email Software         Microsoft Outlook Express
Max Message Size (Mb)  3
```

Note: To delete an Alert, enter RELEASE and the Alert name (e.g., RELEASE DXDHEA).

Appendix B: Answers to Practice Exercises

Page 9: Group Exercise

Antiaging hormone treatment
Anti-aging therapy

Page 9: Individual Exercise

Hormone?
Therap?
Treatment?

Page 11: Individual Exercise

Anti(w)aging

Page 13: Individual Exercise

B 149
S anti(w)aging or antiaging
S hormone?
S treatment? or therap?
S s1 and s2 and s3
T s4/6/1-5

Page 21: Online Practice Exercises 1 Business and News

1. A major art theft often makes the headlines. What is the world's most stolen painting? Search the newspaper database for the Times/Sunday Times (File 710). HINT: It's a Rembrandt.
B 710
S most(w)stolen(s)painting
2. Australian pharmaceutical producer, SIRTEx [sic] Medical has been rumored to be a takeover target. What is the latest news on this possibility? Try a business news file, such as Gale Group PROMT (File 16), Business & Industry (File 9) or Dialog Global Reporter (File 20).
B 9
S sirtex(w)medical
S takeover or acqui? or merge?
S s1 and s2
3. Loudeye Technologies, a U.S.-based Web media delivery company, has recently been involved in forming partnerships in Europe. What information can you find in the news about this company's activities? Search Dialog NewsRoom (File 990) or File 20.
B 990
S loudeye(w)technolog? and (partner? or acqui? or merge?)

-
4. What company produces “Funky Fruit Pops”? What are some of the “funky” flavors available? Try a business news file, such as Gale Group PROMT (File 16), Business & Industry (File 9).
- B 16
 - S funky(w)fruit(w)pop?

Life Sciences and Chemistry

5. A promising new HIV vaccine is undergoing clinical trials in Botswana. What is the drug name? Search World News Connection (File 985).
- B 985
 - S hiv
 - S vaccine?
 - S clinical(w)trial?
 - S Botswana
 - S s1 and s2 and s3 and s4
6. Severe Acute Respiratory Syndrome, or SARS, appears to be caused by a coronavirus, possibly transmitted from animals. What reports can you locate on the coronavirus-related diseases in turkeys? Search MEDLINE (File 154).
- B 154
 - S coronavirus or corona(w)virus
 - S turkey?
 - S s1 and s2
7. Search the chemical literature for articles on the toxicity of the pesticide diflubenzuron. Use CA Search® (File 399).
- B 399
 - S diflubenzuron and toxic?

Intellectual Property

8. Search the current U.S. Patents Fulltext database (File 654) for any patents issued for metal baseball bats.
- B 654
 - S metal or metallic
 - S baseball (w) (bat or bats)
 - S s1 (s) s2
9. Who is the current assignee for the U.S. trademark “Bioengine”? Use U.S. TRADEMARKSCAN—Federal (File 226).
- B 226
 - S bioengine

Engineering and Technology

10. What new developments are there in “direct-to-home” or “DTH” satellite services? [HINT: Watch out for stop words!] Search INSPEC (File 4).
B 4
S direct(2n)home or dth
S satellite?
S s1 and s2
11. MPEG-3, developed by ISO/IEC's "Moving Picture Experts Group," has proven to be an extremely popular format for distributing music over the Internet. Development of a new standard, MPEG-4, for multimedia digital formats such as streaming video, began in 2001. What is the current status of MPEG-4? Use INSPEC (File 4).
B 4
S mpeg(w)4 and streaming(w)video

Page 31: Learning Check

1. RD removes duplicate records when searching more than one database
2. The TYPE command contains set number/format/range of records
3. A free format is usually Format 6 and sometimes Format 8
4. Type out a few records in a short format to check for relevancy
5. Use Format K to see search terms as they are used in the records
6. To search two databases: BEGIN 9,20
One search strategy might be: s Microsoft and (wireless? or network?)

Page 35: Online Practice Exercises 2

Business and News

1. Find information about a Japanese company, “Rei Denshi.”
Begin 411
SF japanco
S rei (w) denshi
Save temp
Begin n1
Exs
Type s1/9/1
2. What are the main ingredients in a rich dessert called gianduja?
B 411
Sf papersmj
S gianduja and ingredients
Save temp
Rank files
B n1:n3 (top 3 files in the RANKed list)
Exs
T s1/6,k/1-3

Life Science and Chemistry

3. Snatches of a conversation were overheard in which the phrases “Factor C” and “horseshoe crabs” were mentioned. Use DIALINDEX to determine what the conversation was about.
 - b 411
 - sf allnews
 - s factor(w)c and horseshoe(w)crab?
 - rank files
 - save temp
 - b n1:n3
 - exs
 - type s1/6,k/1-5

4. Do fish that live in the Antarctic, or other very cold waters, have some sort of anti-freeze to protect them from freezing?
 - B 411
 - Sf biosci
 - S (anti())freeze or antifreeze) and fish?
 - Save temp
 - Rank files
 - B n1:n3 (top 3 files in the RANKed list)
 - Exs
 - S s1 and py=2003
 - T s2/6,k/1-3

Intellectual Property

5. Much attention is focused on creating micro-electro mechanical systems (MEMS)—machines that are made of molecular-sized components. One important device for any machine is a hinge. Have any patents been granted for a “micro-hinge”?
 - b 411
 - sf patents
 - s microhinge? or micro(w)hinge?
 - save temp
 - rank files
 - b n1:n2
 - exs
 - t s1/3,k/1-3

6. In which countries has the trademark “Legoland” been registered?
 - b 411
 - sf tmks
 - s legoland

Engineering and Technology

7. Find recent articles that discuss the manufacturing method called “micro-origami.” HINT: Try the DIALINDEX category ENG (i.e., Engineering).
 - b 411
 - sf eng

s micro(w)origami
save temp
rank files
b n1:n3
exs
t s1/6,k/1-5

8. What recent developments are there in the use of flywheel technology for energy storage?
- b 411
sf eng
s flywheel and energy(2n)storage
save temp
rank files
b n1:n3
exs
s s1 and py=2003
t s1/6,k/1-5

Page 41: Learning Check

1. Search articles in French using la=French
2. Search a geographic name using GN=
3. Search the lead paragraph using /lp
4. Search a journal name using JN=

Page 45: Online Practice Exercises 3

News & Business

1. Your company is interested in doing business with Starguide Digital Networks, a U.S. company. Check Experian (formerly TRW) Credit Reports (File 547) to determine if the company has any accounts past due.
B 547
S starguide/co
T s1/9
2. Dietary supplements that promise to slow aging and improve health are bound to appeal to pet owners. Farnham Pet Doctor Products has released a line of "Nutra-Sure Supplements," including DHEA for pets. Find out more about this company. Check D&B®--Dun's Market Identifiers (File 516).
B 516
Expand co=farnham pet
S e4

Life Sciences and Chemistry

3. Search the Pesticides Fact File (File 306) to get a chemical profile of the pesticide diflubenzuron. HINT: EXPAND on the Chemical Name field (NA=).
B 306
E na=diflubenzuron

S e3

4. Try the same search on Dr. Perls in MEDLINE (File 154). Remember in the article he describes how to live to be 100 years old. It was published in 2002.
 - B 154
 - E au=perls t
 - S e numbers
 - S 100 or one(w)hundred
 - S s1 and s2 and py=2002

Intellectual Property

5. What are the ingredients for the soft drink described in U.S. patent 6,403,120? Hint: Use U.S. Patents Fulltext (File 654).
 - B 654
 - E pn=us 6403120
 - S e number
6. What trademarks was Italian pharmaceutical company, Rottapharm, granted in the United States in 2003? Use TRADEMARKSCAN—U.S. Federal (File 226).
 - B 226
 - E co=rottapharm
 - S e1:e8
 - S s1 and yr=2003
 - T s1/49/all

Engineering/Technology

7. Find articles that discuss the use of liquid anti-corrosion treatment of packaging that protects electronic equipment against electrostatic discharge (EDS). Limit retrieval to English only abstracts.
 - B 2,248
 - S anti()corros? and packag? and liquid
 - S s1/eng
 - T s2/6,k/1-2 from each
8. Find recent technical articles that discuss robot-assisted surgeries.
 - B 4,8
 - S robot?/ ti,de
 - S surger?/ti,de
 - S s1 and s2
 - S s3 and py=2003

Appendix C: Search Worksheet

Search Worksheet

Topic:

Databases:

Important Ideas

	Concept		Concept		Concept
		AND		AND	
OR					

Commands to Enter