

LIBR 289 e-Portfolio
Fall 2008

Evidence for Competency E

LIBR 244 – Online Searching

Dialog and Internet Exercise

November 7, 2005

Exercise 3: Dialog and the Internet (11.07.05)

Please complete the following problems and send me your search strategy plus enough output (anything over 20 items is way more than either of us needs to see) to let me know you either did or did not find an answer. As always, please critique your searches.

1. Search Dialog's newsletter *Chronolog* (file 410) and try to locate any information you can find on Dialog "finder files." The best information may be in an older article.

According to the articles I studied, the Dialog Finder Files are databases that have been created to aid the researcher in selecting databases that contain the information one is looking for. These files allow one to search multiple database indexes with common search elements. Some of the most useful ones are:

File 413	Product Name Finder
File 414	Journal Name Finder
File 416	Company Name Finder

The best way to start a search for the database to use, is to start File 411 (DialIndex) and search for a category or categories (SF, set files, command). If the categories are not known, DialIndex has a list of supercategories that can be accessed by entering their acronym (SHOW show files command). From there, one can go on to ranking results and performing searches within a set of databases.

2. Use an appropriate Dialog "finder file" to identify the file(s) that can be searched for full-text articles from the business magazine *Inc*. Prepare a report of these files for your client in a form that you think most useful.

This was a bit tricky. I started out by selecting file 414 (Journal Finder) to do the search but alas was using the wrong search syntax. Once prof. Burns steered me in the right direction, it was much easier. However, when I go to the report display part, I stumbled. Mainly because the elements I chose for the report were too many, making the report too wide to be displayed. I reassessed the need to have the TY field in there given that I had already restricted the first search to full text files only, so I deleted it from the report.

3. Use DialIndex (411) to identify the best files to search on the topic of "voice activated VCRs." Rank the files and Begin a search in the top 4. Manipulate your search until you are satisfied that you have a good result and then Display the most relevant article in the full format for that file. Make use of From or From Each in your search strategy. Use the Bluesheets to determine the real cost of this total search. Remember to include not just the time online costs but the costs for the formats you used and any other costs that apply.

Uff. This was one of the hardest searches I have done yet. Mainly because I was searching in four different databases at once with brings the inevitable work with four

Comment [q1]: Generally, searchers only use 411 if they have no clue at all of where to search. Since file 411 really doesn't allow you to be very precise, it is helpful but usually experienced searchers rely on their own knowledge to pick a file or use the Subject Guide to the Bluesheets. I'm also unsure of how a discussion of file 411 got into the answer to this question. In a way it does help you find, but I think Dialog generally uses the term "finder file" for files 413-416. I just wasn't quite sure of what you were trying to say here. As long as you found the 1994 article in the Chronolog and read it, that is fine.

Comment [q2]: Did you try using SET H 132?

sets of thesaurus. At the beginning, I had no clue where to start and the book is kind of confusing in explaining how to best go about using the 411 file. Figuring that Dialog should have a user's guide of some sort, I set out to look for it in the Dialog Website. Sure enough I downloaded the found the Dialog Command Language Pocket Guide which I used to guide me in the search.

As I had no idea which files to limit my search to in DialIndex, I selected them all (SF ALL) and then searched for the most general search term "VCR." DialIndex found 362 which seemed like a lot so I then again searched for the most specific "VOICE (w) ACTIVATED (w) VCR." This time 25 files were selected. Once ranked, I began a search within the first four files (B N1:N4). So far, easy...

Then came the hard part. Manipulating the search terms to find effective descriptors and obtaining relevant results. It took me a good part of ten minutes to arrive at a combination that had at least two hits. Because it was hard at some point to determine whether the article dealt with voice activated VCRs, I used the TYPE and FROM commands to list the complete full text for three articles. From those it was evident that the first and last articles listed were a clear hit.

The total cost for this search including time and formats was **\$44.30** (see below).

File 148	0.016 DU @ \$5.40	\$0.08	\$0	10 Types Format 8
File 15	2.702 DU @ \$5.40	\$14.59	\$15.25	1T F2 @ \$1.65 10T F8 @ \$0 4T F9 @ \$3.40
File 16	0.003 DU @ \$5.40	\$0.016	\$0	
File 570	2.734 DU @ \$5.40	\$14.36	\$0	4 Files OneSearch

- Now, log onto the Internet search engine of your choice and search on the topic in Question 3. Include enough of your search that I can see your search terms and at least some of your results.

I picked Google. For the search terms I used "voice activated VCR" which gave a lot of results on just companies that sell these products. I then searched for "voice activated VCR" AND article. Except for one article "Hoe to be a Couch Potato in the Nineties" the rest didn't seem very relevant. However the second result pointed to a website entitled www.findarticles.com powered by LookSmart. In there I performed an advanced search for: free articles since 1990 to date on voice activated video or VCR. Out of 60 results returned, at least 30% of the ones I looked at were relevant but I have to say that results were all over the place and not as specific as I had hoped.

Comment [q3]: Never a good idea as it really slows down the processing and generally makes the search less useful. Better to try 2-5 of the DialIndex/Onesearch categories with your SF command in file 411.

Comment [q4]: You may not have found the best files just because file 411 is not very specific. The more files you have it search through, the less likely it will be a good search. Not something you could know, just comes from experience.

Comment [q5]: When searching multiple files it is usually good to use free text searching rather than trying to find controlled vocabulary that works in all files. It is also good to include at least 2-3 synonyms to try to catch all the ways a concept might be indexed in all the files.

5. Write a short paragraph comparing the differences/similarities and usefulness of the Dialog search versus the Internet search.

Searching on Dialog is definitely more precise than searching on the Internet. Dialog searches need to be carefully planned out in advanced in part because of its structure and in part because of the cost. Dialog has literally hundreds of databases with credible and relevant content waiting to be explored. Assuming the research before the search is done efficiently, the search results in Dialog are precise and relevant. However, for a search to be “precise” a variety of variables need to be used just right such as vocabulary specificity, command knowledge, understanding mathematical logic, a dash of imagination, and heaps of patience.

The internet allows for quicker searches albeit more imprecise. Because it is basically free, a search on the internet can be done freely and explored to bits but the quality of the results is not as good as Dialog’s. Boolean operators and advanced searches can be conducted in most search engines without having to use learn and master a new command language as in Dialog. However, precisely because Dialog has such a wide array of search capabilities, its reach is farther than that of the web. The internet with its simple and fast approach to searching has definitely spoiled us in the way we search for information.

Comment [q6]: Actually both services have their uses. As information professionals we just have to try to direct our clients to the best source for their question and pocketbook.

You did fine for a first effort at these things. File 411 is not used as much as you might think by searchers. I’m not sure why but it doesn’t seem to process very completely. The more files you have it search, the less likely you will find something. You also have to give it a search that is very simple but that includes all of your concepts including some synonyms for any concept that commonly has more than one name/spelling. You have a couple of grammar errors in your paragraph above but I figured you probably wrote quickly (as I often do) and missed seeing them.

Grade = 10

Welcome to DialogClassic Web(tm) E3Q1

*** 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 410

13oct05 14:56:21 User732053 Session D439.1
\$0.00 0.190 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.02 INTERNET
\$0.02 Estimated cost this search
\$0.02 Estimated total session cost 0.190 DialUnits

File 410:Chronolog(R) 1981-2005/AUG

(c) 2005 Dialog

Set Items Description
--- -

?

Ref	Items	Index-term
E1	6	FINDEN
E2	96	FINDER
E3	0	*FINDER FILES
E4	6	FINDET
E5	20	FINDEX
E6	231	FINDING
E7	54	FINDINGS
E8	6	FINDIT
E9	1	FINDJRNL
E10	1	FINDPROD
E11	16	FINDS
E12	1	FINDUS

Enter P or PAGE for more

?

S FINDER (W) FILES
 96 FINDER
 3219 FILES
S1 11 FINDER (W) FILES
?

TYPE 1/8/1-11

1/8/1

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

01050301CHRONOLOG

TITLE: U.S. Web-Based Training

PUBLICATION DATE: MARCH 2005

1/8/2

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

01040325CHRONOLOG

TITLE: Dialog KnowledgeBase Database Offers Free Reference Search Tool

PUBLICATION DATE: MARCH 2004

1/8/3

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

01030728CHRONOLOG

TITLE: News on the Blues

PUBLICATION DATE: JULY 2003

1/8/4

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

01030712CHRONOLOG

TITLE: From the Experts... Dialog Finder Files: Don't Forget the Bluesheets (File 415)

PUBLICATION DATE: JULY 2003

1/8/5

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00980703CHRONOLOG

TITLE: Training from The Dialog Corporation

PUBLICATION DATE: JULY 1998

1/8/6

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00971105CHRONOLOG

TITLE: DIALINDEX(R) SuperCategories

PUBLICATION DATE: NOVEMBER 1997

1/8/7

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00970117CHRONOLOG

TITLE: Introducing File Name Aliases for DIALOG Search Aid Files
PUBLICATION DATE: JANUARY 1997

1/8/8

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00940144DIALOG CHRONOLOG

TITLE: JANUARY HIGHLIGHTS
PUBLICATION DATE: January 1994

1/8/9

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00940128DIALOG CHRONOLOG

TITLE: Getting the Most from DIALOG: Changes to the DIALOG Finder(TM) Files
PUBLICATION DATE: January 1994

Comment [q1]: This is the tutorial article

1/8/10

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00920423DIALOG CHRONOLOG

TITLE: Locating Trade Name Information on DIALOG PRODUCT NAME FINDER(TM)
PUBLICATION DATE: April 1992

1/8/11

DIALOG(R)File 410:(c) 2005 Dialog. All rts. reserv.

00911244DIALOG CHRONOLOG

TITLE: DIALOG JOURNAL NAME FINDER(TM) Wins Product of the Year Award!
PUBLICATION DATE: December 1991

?

T 1/9/9

1/9/9

DIALOG(R)File 410:Chronolog(R)
(c) 2005 Dialog. All rts. reserv.

00940128DIALOG CHRONOLOG

TITLE: Getting the Most from DIALOG: Changes to the DIALOG Finder(TM) Files
PUBLICATION DATE: January 1994

TEXT: Among the most useful tools designed to help you find the company, journal, or product information you seek are the DIALOG "Finder" files:

File 413 DIALOG Product Name Finder(TM)

File 414 DIALOG Journal Name Finder(TM)
File 416 DIALOG Company Name Finder(TM)

These search-tool files look at the specific indexes in various DIALOG databases and help you determine which files can offer you information on any product or company, or which files contain articles from a particular journal.

Changes discussed in this article include new search prefixes for file names and numbers in all three files and a new preformatted report in File 414.

DIALOG Product Name Finder. File 413 contains entries for products produced and distributed worldwide, with references to source files providing a variety of information, including product directories, technical developments, industry newsletters, press releases, product reviews, imports and exports, marketing, analysts' reports, and forecasts. Each record includes the product name, which can include trade names of product class names; Standard Industrial Classification (SIC) codes; and the corresponding product descriptions.

DIALOG Company Name Finder. File 416 contains entries for companies, with references to source files providing a variety of company information, including: directory information, company history and background, financial data, business news, patents, trademarks, copyrights, new and existing products, imports and exports, mergers and acquisitions, marketing, and technical developments. Each record includes the company name in the form in which it appears in the appropriate file, the number of records about that company, and the type of information in the file (directory, full text, etc.).

DIALOG Journal Name Finder. File 414 contains entries for journal names in all subject disciplines, reflecting bibliographic, full-text, and news source files, including: agriculture, biosciences, business, chemistry, computer science, current affairs and news, defense, education, energy and environment, law and government, materials sciences, medicine and biosciences, science and technology, and social sciences and humanities.

New Search Prefix. In order to maintain complete compatibility for users who search among all the Finder files, the FN= field is being changed to FI=. The FI= prefix is used for all searches for a database name or file number. For example, to find the entry for Business Dateline(R) (File 635), enter SELECT FI=BUSINESS DATELINE or SELECT FI=635. In addition, the FI= prefix will also be made available in File 415 (DIALOG Bluesheets(TM)) for complete compatibility among the files. When FI is specified using REPORT, the file number appears in the report (see sample searches in Figures 13, 14, and 15).

Use of REPORT Feature. One of the most useful output options for the data is the REPORT option. Using this feature, you can compile a tidy listing of the product/company/journal name in a table format containing the record elements you specify. Because copyright information will soon appear in each record output from

DIALOG, use of Format 7 and the NOHEADER option is no longer recommended in the Finder files. A sample search showing the use of REPORT in each of the Finder files is given in Figures 13, 14, and 15.

Product Name Finder. The search in Figure 13 from File 413 illustrates a search for a generic product name. The resulting set of records created is then output in REPORT format, listing the company name, the product code, the file in which the product name appears, and the number of records found in that file.

Figure 13. Product Name Finder(TM) (File 413) Sample Search

 ?BEGIN 413

File 413:PRODUCT NAME FINDER -OCT 1993
 (C) DIALOG INFO. SRVCS., INC.

Set Items Description
 --- -----

?SELECT BREAKFAST(W)FOOD?
 381 BREAKFAST
 8237 FOOD?
 S1 26 BREAKFAST(W)FOOD?

?SET V 0;SET H 80

Lines per Page set to 0.

Characters per line set to 80.

?REPORT S1/PN,PC,FI,RC/ALL

Align paper; press ENTER
 <ENTER>

PRODUCT RECORD NAME	PRODUCT CODE	FILE	COUNT
ACT II BREAKFAST FOODS	NA	570	1
CEREALS & BREAKFAST FOODS	NA	535	51
BREAKFAST FOODS--INSTANT	NA	535	12
CEREAL BREAKFAST FOODS	204398	531	60
CEREAL BREAKFAST FOODS	2043	531	102
CEREAL BREAKFAST FOODS	2043	522	33
CEREAL BREAKFAST FOODS	2043	521	396
CEREAL BREAKFAST FOODS	2043	518	525
SOY: PREPARED AS CEREAL BREAKFAST FOOD	20439913	516	2
RICE: PREPARED AS CEREAL BREAKFAST FOOD	20439911	516	7
OATMEAL: PREPARED AS CEREAL BREAKFAST FOOD	20439909	516	4
MILLET: PREPARED AS CEREAL BREAKFAST FOOD	20439908	516	1
CEREAL BREAKFAST FOODS NEC	204399	516	46
CEREAL BREAKFAST FOODS	20430000	516	93
CEREAL BREAKFAST FOODS	2043	516	134
HOMINY GRITS EXCEPT BREAKFAST FOOD	20419908	516	3
SOY: PREPARED AS CEREAL BREAKFAST FOOD	20439913	515	2
RICE: PREPARED AS CEREAL BREAKFAST FOOD	20439911	515	7
OATMEAL: PREPARED AS CEREAL BREAKFAST FOOD	20439909	515	4
MILLET: PREPARED AS CEREAL BREAKFAST FOOD	20439908	515	1

CEREAL BREAKFAST FOODS NEC	204399	515	43
CEREAL BREAKFAST FOODS	2043	515	132
HOMINY GRITS EXCEPT BREAKFAST FOOD	20419908	515	3
CEREAL BREAKFAST FOODS	2043	513	99
FLOUR. CEREALS. BREAKFAST FOODS	2040	505	9
CEREAL BREAKFAST FOODS	2043	491	10

Journal Name Finder. The search in Figure 14 from the DIALOG Journal Name Finder, File 414, illustrates the use of the EXPAND command to locate variations in the name of the desired journal. In this search we want to find which databases have the most articles from that journal. We SORT the resulting set by RC (Record Count) and specify that count as the first element in the REPORT output.

Figure 14. Journal Name Finder(TM) (File 414) Sample Search

 ?BEGIN 414

File 414:JOURNAL NAME FINDER -OCT 1993
 (C) DIALOG INFO. SRVCS., INC.

Set Items Description
 --- -----

?EXPAND JN=MODERN OFF

Ref	Items	Index-term
E1	1	JN=MODERN OCCUPATIONAL DISEASES
E2	1	JN=MODERN OCCUPATIONAL MEDICINE
E3	0	*JN=MODERN OFF
E4	1	JN=MODERN OFF TECH
E5	1	JN=MODERN OFF TECHNOL 37 NO 5
E6	1	JN=MODERN OFF. TECH.
E7	1	JN=MODERN OFF. TECHNOL. 37, NO. 5
E8	5	JN=MODERN OFFICE
E9	5	JN=MODERN OFFICE & DATA MANAGEMENT
E10	1	JN=MODERN OFFICE AND DATA MANAGEMENT
E11	6	JN=MODERN OFFICE DATA MANAGEMENT
E12	15	JN=MODERN OFFICE PROCEDURES

Enter P or PAGE for more

?SELECT E4-E7

	1	JN=MODERN OFF TECH
	1	JN=MODERN OFF TECHNOL 37 NO 5
	1	JN=MODERN OFF. TECH.
	1	JN=MODERN OFF. TECHNOL. 37, NO. 5
S1	2	E4-E7

?P

Ref	Items	Index-term
E13	1	JN=MODERN OFFICE TECHNOL
E14	1	JN=MODERN OFFICE TECHNOL.
E15	17	JN=MODERN OFFICE TECHNOLOGY
E16	1	JN=MODERN OFFICES // ERGONOMICS AND HEALTH IN
E17	1	JN=MODERN OPT // J

```

E18      1  JN=MODERN OPTICAL METHODS IN GAS DYN // PP 119 35
E19      1  JN=MODERN OPTICAL METHODS IN GAS DYN // PP 155 76
E20      1  JN=MODERN OPTICAL METHODS IN GAS DYN // PP 177 96
E21      1  JN=MODERN OPTICAL METHODS IN GAS DYNA // PP 49 60
E22     10  JN=MODERN OPTICS // JOURNAL OF
E23      1  JN=MODERN OPTICS FOX // PP 649 54 OF
E24      1  JN=MODERN ORGANIZATION // MANAGEMENT IN THE

```

Enter P or PAGE for more

```

?SELECT S1 OR E13-E15
          2  S1
            1  JN=MODERN OFFICE TECHNOL
            1  JN=MODERN OFFICE TECHNOL.
           17  JN=MODERN OFFICE TECHNOLOGY
          S2   20  S1 OR E13-E15
?SET V 0; SET H 80
Lines per Page set to 0.
Characters per line set to 80.
?SORT S2/ALL/RC,D
          S3   20  Sort S2/ALL/RC,D
?REPORT S3/RC,JN,FI/ALL

```

Align paper; press ENTER
<ENTER>

Record Count	Journal Name	File Number
1,332	MODERN OFFICE TECHNOLOGY	275
1,300	MODERN OFFICE TECHNOLOGY	47
1,231	MODERN OFFICE TECHNOLOGY	647
1,175	MODERN OFFICE TECHNOLOGY	148
1,118	MODERN OFFICE TECHNOLOGY	648
826	MODERN OFFICE TECHNOLOGY	675
812	MODERN OFFICE TECHNOLOGY	15
587	MODERN OFFICE TECHNOLOGY	2
587	MODERN OFFICE TECHNOLOGY	4
247	MODERN OFFICE TECHNOLOGY	484
66	MODERN OFFICE TECHNOLOGY	75
20	MODERN OFFICE TECHNOLOGY	485
14	MODERN OFFICE TECHNOLOGY	149
7	MODERN OFFICE TECHNOLOGY	22
4	MODERN OFFICE TECHNOLOGY	48
2	MODERN OFF. TECHNOL. 37, NO. 5	240
2	MODERN OFFICE TECHNOL.	248
1	MODERN OFFICE TECHNOLOGY	10
1	MODERN OFF. TECH.	248
1	MODERN OFFICE TECHNOLOGY	285

Company Name Finder. The search in Figure 15 illustrates a search for a company name. We are interested in the kind of information we can find about this company. Our search reveals records that are of all types: bibliographic records, credit reports, directory data, full-text articles, and even trademarks. In this search we create the group of records based on the

company name, SORT the set by the record type (TY), and specify TY as the first element to be output in the REPORT.

Figure 15. Company Name Finder(TM) (File 416) Sample Search

 ?BEGIN 416

File 416:COMPANY NAME FINDER AUG 01 1993
 (Dialog Info. Services)

```

    Set  Items  Description
    ---  -
?SELECT EMPORIUM(W)CAPWELL
          9268  EMPORIUM
          71   CAPWELL
    S1     34   EMPORIUM(W)CAPWELL
?SORT S1/ALL/TY
    S2     34   Sort S1/ALL/TY
?SET V 0; SET H 80
Lines per Page set to 0.
Characters per line set to 80.
?REPORT S2/TY,CO,FI,RC/ALL
  
```

Align paper; press ENTER
 <ENTER>

Type of Information	Company Name	File Number	Record Count
Bibliographic	EMPORIUM-CAPWELL RETAIL STORE	603	1
Bibliographic	EMPORIUM-CAPWELL	603	2
Bibliographic	EMPORIUM CAPWELL CO.	603	1
Bibliographic	EMPORIUM CAPWELL	603	1
Bibliographic	EMPORIUM-CAPWELL	18	3
Bibliographic	EMPORIUM CAPWELL	18	2
Credit	EMPORIUM CAPWELL TRVL BUREAU	547	1
Credit	EMPORIUM CAPWELL AUTO	547	1
Credit	EMPORIUM CAPWELL	547	11
Directory	EMPORIUM-CAPWELL	479	1
Directory	EMPORIUM-CAPWELL CO	516	1
Directory	EMPORIUM-CAPWELL	516	4
Directory	EMPORIUM CAPWELL'S SMOKE SHOP	516	1
Directory	EMPORIUM CAPWELL WORLD TRAVEL	516	22
Directory	EMPORIUM CAPWELL CLEARANCE CTR	516	1
Directory	EMPORIUM CAPWELL	516	6
Directory	EMPORIUM CAPWELL	574	3
Directory	EMPORIUM-CAPWELL TRAVEL	531	1
Directory	EMPORIUM-CAPWELL TRAFFIC SCHLS	531	1
Directory	EMPORIUM-CAPWELL TIRE CTR	531	1
Directory	EMPORIUM-CAPWELL CO	515	1
Directory	EMPORIUM-CAPWELL	515	4
Directory	EMPORIUM CAPWELL'S SMOKE SHOP	515	1
Directory	EMPORIUM CAPWELL WORLD TRAVEL	515	2
Directory	EMPORIUM CAPWELL CLEARANCE CTR	515	1
Directory	EMPORIUM CAPWELL	515	6
FullText	EMPORIUM CAPWELL CO.	649	1
FullText	EMPORIUM-CAPWELL	16	9

FullText	EMPORIUM-CAPWELL	635	11
FullText	EMPORIUM-CAPWELL	570	8
FullText	EMPORIUM CAPWELL	570	3
Trademark	THE EMPORIUM CAPWELL COMPANY, SAN FRAN	226	3
Trademark	THE EMPORIUM CAPWELL CO., SAN FRANCISC	226	2
Trademark	EMPORIUM CAPWELL COMPANY, THE	226	15

Preformatted Reports. In addition to the user-specified REPORT feature, preformatted reports are available in all three Finder files. These reports provide a list of the company, product, or journal names that are retrieved from the search query, followed by the file number in which the entry occurs, the type of information included in the file, and the number of records contained in that particular file. To use this feature, simply enter the search term and then qualify the retrieved group of records with the appropriate suffix. For example, in File 413, DIALOG Product Name Finder, search the product name (e.g., SELECT COFFEE), then specify the preformatted report by entering REPORT S1/PRODUCT. In File 416, DIALOG Company Name Finder, search the company name (e.g., SELECT NABISCO), then enter REPORT S1/COMPANY to receive the preformatted report. Examples of the output from each type of preformatted report are shown on the Bluesheet for each of the Finder files.

The example in Figure 16 shows a sample of the newly available preformatted report from File 414, DIALOG Journal Name Finder.

Figure 16. DIALOG Journal Name Finder(TM) (File 414)
Sample Preformatted Report

```

-----
?BEGIN 414
      25oct93 13:14:29 User003462 Session C18766.1

File 414:JOURNAL NAME FINDER  -OCT 1993
      (C) DIALOG INFO. SRVCS., INC.

      Set  Items  Description
      ---  ----  -
?SELECT TENNIS NOT TABLE
           82  TENNIS
           113 TABLE
      S1    68  TENNIS NOT TABLE
?SET V 0
set v 0
Lines per Page set to 0.
?REPORT S1/JOURNAL

           JOURNAL NAME FINDER
           68 Journals Available

Journal                File Number  Type          Record
-----
1 AUSTRALIAN TENNIS MAGAZINE      48 BIBLIOGRAPHIC      6
2 AUSTRALIAN TENNIS SCENE ANNUAL  48 BIBLIOGRAPHIC      5
3 DEUTSCHE TENNIS ZEITUNG        48 BIBLIOGRAPHIC      1

```

4	INSIDE TENNIS	48	BIBLIOGRAPHIC	5
5	INSIDE WOMEN'S TENNIS	48	BIBLIOGRAPHIC	24
6	INTERNATIONAL TENNIS	48	BIBLIOGRAPHIC	6
.
20	TENNIS	149	FULLTEXT	109
21	TENNIS	47	BIBLIOGRAPHIC	4067
22	TENNIS	484	BIBLIOGRAPHIC	1532
23	TENNIS	48	BIBLIOGRAPHIC	593
24	TENNIS	211	BIBLIOGRAPHIC	31
25	TENNIS	148	BIBLIOGRAPHIC	7
.
33	TENNIS BUYER'S GUIDE	48	BIBLIOGRAPHIC	1
34	TENNIS CLUBS AND RACQUET SPORT PROJE	485	FULLTEXT	11
36	TENNIS DE FRANCE	48	BIBLIOGRAPHIC	277
37	TENNIS DIRECTORY SUMME	48	BIBLIOGRAPHIC	44
38	TENNIS ILLUSTRATED	47	BIBLIOGRAPHIC	6
39	TENNIS INDUSTRY	48	BIBLIOGRAPHIC	210
40	TENNIS INDUSTRY MAGAZINE	48	BIBLIOGRAPHIC	8
42	TENNIS ITALIANO	48	BIBLIOGRAPHIC	20
43	TENNIS MAGAZINE	48	BIBLIOGRAPHIC	128
44	TENNIS MERCHANDISER	16	FULLTEXT	33
45	TENNIS MERCHANDISER	570	BIBLIOGRAPHIC	33
46	TENNIS MERCHANDISER	18	BIBLIOGRAPHIC	6
.
58	TENNIS, AUSTRALIA, ASIA AND THE PACIFI	48	BIBLIOGRAPHIC	2
59	VICTORIAN TENNIS NEWS	48	BIBLIOGRAPHIC	3
60	WORLD TENNIS	149	FULLTEXT	105
61	WORLD TENNIS	47	BIBLIOGRAPHIC	2891
62	WORLD TENNIS	88	BIBLIOGRAPHIC	1396
63	WORLD TENNIS	484	BIBLIOGRAPHIC	797
64	WORLD TENNIS	48	BIBLIOGRAPHIC	680
.

SECTION HEADING: WHAT'S NEW ON THE SYSTEM

?

T 1/9/6

1/9/6

DIALOG(R)File 410:Chronolog(R)
(c) 2005 Dialog. All rts. reserv.

00971105CHRONOLOG

TITLE: DIALINDEX(R) SuperCategories

PUBLICATION DATE: NOVEMBER 1997

TEXT: The DIALINDEX (DIALOG File 411) SuperCategories
(ALL) are useful DIALOG search aids. These are 12 top-
level subject groupings (such as ALLNEWS or
ALLBUSINESS) that help you find the right databases for

your search topics. It is important to keep in mind, though, that not all DIALOG files are included in the SuperCategories. In general, gateways, files with menu systems, DIALOG Finder files (Files 413, 414, and 416), and subscriber files are not in the SuperCategories. Also, files that are subsets of other files are not included. For instance, if files are divided into different time periods, and one file covers the entire period, it will be included in the SuperCategories, while those files covering only a portion of the time period will not be included. For example, File 154, MEDLINE(R) 1985 to the present, is not in DIALINDEX, but File 155, MEDLINE 1966 to the present, is. In addition, there are a few files that are only in the smaller categories and not in any of the SuperCategories:

- * File 19: Chemical Industry Notes (CIN)
- * File 359: Chemical Economics Handbook
- * File 360: Specialty Chemicals Update Program (SCUP)
- * File 398: CHEMSEARCH(TM)
- * File 399: CA SEARCH(R): Chemical Abstracts(R)

The above files are included in the smaller OneSearch categories, which can also be used in DIALINDEX (e.g., File 19 is included in CHEMBUS but not in ALLBUSINESS or in ALL). The above files can be added to a DIALINDEX search by adding the files to any SET FILES command (e.g., SF ALLBUSINESS,359,360).

To verify which files are included in a SuperCategory at any given time, use the SHOW FILES command during your DIALINDEX search.

SECTION HEADING: TIPS ON TECHNIQUE

?

Welcome to DialogClassic Web(tm) E3Q2

Dialog level 05.07.12D
Last logoff: 14oct05 19:04:38
Logon file405 17oct05 17:17:08

*** ANNOUNCEMENT ***

--UPDATED: Important Notice to Freelance Authors--
See HELP FREELANCE for more information

NEW FILES RELEASED

***Inspec (File 202)
***Physical Education Index (File 138)
***Computer and Information Systems Abstracts (File 56)
***Electronics and Communications Abstracts (File 57)
***Solid State and Superconductivity Abstracts (File 68)
***ANTE: Abstracts in New Technologies (File 60)

RESUMED UPDATING

***ERIC (File 1)

Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453),
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein
Facts (F390), and Derwent Chemistry Resource (F355).

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
*** 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 414

17oct05 17:17:17 User732053 Session D441.1
\$0.00 0.320 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.01 INTERNET
\$0.01 Estimated cost this search
\$0.01 Estimated total session cost 0.320 DialUnits

File 414:Dialog Journal Name Finder(TM) 2005/Aug
(c) 2005 Dialog

Set Items Description
--- ----

?

Ref	Items	Index-term
E1	1	JN=INC 8888 NO D // SAN DIEGO U S A GREENE DOT
E2	1	JN=INC 97 P // CAMBRIDGE MASS ARTHUR D LITTLE
E3	30	*JN=INC.
E4	1	JN=INC. (USA)
E5	1	JN=INC. FOR.
E6	1	JN=INC. J. RETAIL DISTRIB. MANAGE.
E7	1	JN=INC. POLYM. SCI. & TECHNOL., VOL.3, NO.12, 197
E8	1	JN=INC. PRIVATE 500: AUDITORS OF INC. MAGAZINE'S
E9	1	JN=INC. TECHNOLOGY
E10	1	JN=INC. THE OFFICE TECHNOLOGY ADVISER 14, NO. 12
E11	1	JN=INC. TUCSON, ARIZ). INT. SYMP. HYDROMETALLU
E12	1	JN=INC. VOL. 18, NO. 17

Enter P or PAGE for more

?

Comment [q1]: Here, just S E3

Ref	Items	Index-term
E1	1	JN=INBRIDINGA V ZHIVOTNOVODSTVE // IN ISPOL ZOVAN
E2	1	JN=INBRIEF
E3	44	*JN=INC
E4	1	JN=INC // A D C TEACH FORUM AGRIC DEV COUNC
E5	1	JN=INC // A G EDWARDS SONS
E6	4	JN=INC // A G INFORMATION SERVICES
E7	1	JN=INC // A LOOK AT CI
E8	1	JN=INC // A PUBLICATION OF EVERGREEN INTERNATIONA
E9	1	JN=INC // A PUBLICATION OF INSTITUTIONAL INVESTOR
E10	1	JN=INC // A S L E TRANS VOL 19 NO 1 PP 33 47
E11	1	JN=INC // A S L E TRANS VOL 19 NO 1 PP 72 8
E12	1	JN=INC // ACADIANA

Enter P or PAGE for more

?

S JN=INC.
S1 30 JN=INC.

?

S S1/FULLTEXT
S2 15 S1/FULLTEXT

?

REPORT S2/JN,FI,TY,RC/ALL

>>>REPORT specified is too wide.

>>>Please reenter command.

?

REPORT S2/FI,TY,RC/ALL

Comment [q2]: Very good

Comment [q3]: You might want to SORT by RC just to have them in order for the client.

Comment [q4]: Use SET H 132

Comment [q5]: I would just use the built in report "journal"

DIALOG(R)File 414 :Dialog Journal Name Finder(TM)
(c) 2005 Dialog All rts. reserv.

FILE NUMBER -----	JOURNAL TYPE -----	RECORD COUNT -----
996	FULLTEXT	9
995	FULLTEXT	206
994	FULLTEXT	26
993	FULLTEXT	235
992	FULLTEXT	108
991	FULLTEXT	14
553	FULLTEXT	5704
485	FULLTEXT	724
484	FULLTEXT	4234
469	FULLTEXT	1
149	FULLTEXT	134
148	FULLTEXT	10054
47	FULLTEXT	9940

DIALOG(R)File 414 :Dialog Journal Name Finder(TM)
(c) 2005 Dialog All rts. reserv.

FILE NUMBER -----	JOURNAL TYPE -----	RECORD COUNT -----
16	FULLTEXT	2340
15	FULLTEXT	4806
?		

REPORT S2/JN,FI,TY,RC/ALL
>>>REPORT specified is too wide.
>>>Please reenter command.
?

REPORT S2/JN,FI,RC/ALL
DIALOG(R)File 414 :Dialog Journal Name Finder(TM)
(c) 2005 Dialog All rts. reserv.

JOURNAL NAME -----	FILE NUMBER -----	RECORD COUNT -----
INC.	996	9
INC.	995	206
INC.	994	26
INC.	993	235
INC.	992	108
INC.	991	14
INC.	553	5704
INC.	485	724
INC.	484	4234
INC.	469	1
INC.	149	134

INC.	148	10054
INC.	47	9940

DIALOG(R)File 414 :Dialog Journal Name Finder(TM)
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JOURNAL NAME	FILE NUMBER	RECORD COUNT
-----	-----	-----
INC.	16	2340
INC.	15	4806
?		

Welcome to DialogClassic Web(tm) E3Q3

*** 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 411

13oct05 13:29:07 User732053 Session D438.1
\$0.00 0.190 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.01 INTERNET
\$0.01 Estimated cost this search
\$0.01 Estimated total session cost 0.190 DialUnits

File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 2005 The Dialog Corporation

*** DIALINDEX search results display in an abbreviated ***

*** format unless you enter the SET DETAIL ON command. ***

?

SF ALL|

You have 441 files in your file list.
(To see banners, use SHOW FILES command)

?

S VCR|

Your SELECT statement is:

S VCR

Items	File
101	1: ERIC_1966-2005/Sep 30
1567	2: INSPEC_1898-2005/Oct W1
1328	5: Biosis Previews(R)_1969-2005/Oct W2
135	6: NTIS_1964-2005/Oct W1
108	7: Social SciSearch(R)_1972-2005/Oct W2

Comment [q1]: I would just choose some of the DialIndex categories like PRODUCTS

Comment [q2]: It is best to get all the essential concepts in since you only get one select statement in file 411.

932 8: Ei Compendex(R)_1970-2005/Oct W1
 4258 9: Business & Industry(R)_Jul/1994-2005/Oct 12
 16 10: AGRICOLA_70-2005/Oct
 178 11: PsycINFO(R)_1887-2005/Jul W4
 721 13: BAMP_2005/Oct W1
 4311 15: ABI/Inform(R)_1971-2005/Oct 13
 16339 16: Gale Group PROMT(R)_1990-2005/Oct 12
 1734 18: Gale Group F&S Index(R)_1988-2005/Oct 12
 10522 20: Dialog Global Reporter_1997-2005/Oct 13
 11 21: NCJRS_1972-2005/Aug
 53 22: Employee Benefits_1986-2005/Sep
 15 27: Foundation Grants Index_1990-2005/Sep
 3 29: Meteorology & Geostrophysical
 Abstracts_1966-2005/Aug
 147 30: AsiaPacific_1985-2005/Jul 01
 1 31: World Surface Coatings Abs_1976-2005/Oct
 1819 34: SciSearch(R) Cited Ref Sci_1990-2005/Oct W2
 163 35: Dissertation Abs Online_1861-2005/Sep
 42 36: MetalBase_1965-20051010
 7 38: America:History & Life_1963-2005/Q3
 3 39: Historical Abstracts_1973-2005
 6 40: Enviroline(R)_1975-2005/Jul
 4 42: Pharmaceuticl News Idx_1974-2005/Oct W1
 5207 47: Gale Group Magazine DB(TM)_1959-2005/Oct 13
 25 48: SPORTDiscus_1962-2005/Apr
 25 49: PAIS Int._1976-2005/Aug
 85 50: CAB Abstracts_1972-2005/Sep
 33 51: Food Sci.&Tech.Abs_1969-2005/Oct W2
 8 53: FOODLINE(R): Science Sight_1972-2005/Oct 12
 5 58: GeoArchive_1974-2005/Jun
 21 62: SPIN(R)_1975-2005/Aug W1
 23 63: Transport Res(TRIS)_1970-2005/Aug
 178 65: Inside Conferences_1993-2005/Oct W2
 4 66: GPO Mon. Cat._1978-2005/Oct
 6 70: SEDBASE_1996/Jan Q1
 338 71: ELSEVIER BIOBASE_1994-2005/Oct W1
 1273 73: EMBASE_1974-2005/Oct 13
 13 74: Int.Pharm.Abs_1970-2005/Sep B2
 446 75: TGG Management Contents(R)_86-2005/Oct W1
 5 79: Foods Adlibra(TM)_1974-2002/Apr
 122 80: TGG Aerospace/Def.Mkts(R)_1982-2005/Oct 12
 Examined 50 files
 28 81: MIRA - Motor Industry Research_2001-2005/Aug
 4202 88: Gale Group Business A.R.T.S._1976-2005/Oct 13
 15 89: GeoRef_1785-2005/Sep B2
 2 91: MANTIS(TM)_1880-2005/Jun
 5 92: IHS Intl.Stds.& Specs._1999/Nov
 300 93: TableBase(R) Sep_1997-2005/Oct W1
 997 94: JICST-EPlus_1985-2005/Aug W2
 274 95: TEME-Technology & Management_1989-2005/Sep W1
 13 96: FLUIDEX_1972-2005/Oct
 100 98: General Sci Abs/Full-Text_1984-2004/Dec
 207 99: Wilson Appl. Sci & Tech Abs_1983-2005/Sep
 13 101: Disclosure Database(R)_2005/Oct W2
 254 103: Energy SciTec_1974-2005/Aug B2
 37 104: AeroBase_1999-2005/Oct
 1 105: AESIS_1851-2001/Jul

2 110: WasteInfo_1974-2002/Jul
 462 111: TGG Natl.Newspaper Index(SM)_1979-2005/Oct 11
 155 112: UBM Industry News_1998-2004/Jan 27
 1 115: Research Centers & Services_1994-2005/Jul
 14 116: Brands & Their Companies_2005/Jan
 1 118: ICONDA-Intl Construction_1976-2005/Sep
 571 120: U.S. Copyrights_1978-2005/Oct 11
 2 126: TRADEMARKSCAN(R)-U.K._2005/Oct W2
 23 127: Trademarkscan(R)-Canada_2005/Oct 05
 52 132: S&P`s Daily News_1985-2005/Oct 12
 7 133: S&P`s Corp.Descrip.+News_2005/Oct 08
 40 137: Book Review Index_1969-2004/May
 16 139: EconLit_1969-2005/Oct
 2191 141: Readers Guide_1983-2004/Dec
 28 142: Social Sciences Abstracts_1983-2005/Oct
 2 143: Biol. & Agric. Index_1983-2005/Aug
 726 144: Pascal_1973-2005/Oct W1
 37 145: (Tacoma) The News Tribune_2002-2005/Oct 12
 19522 148: Gale Group Trade & Industry DB_1976-2005/Oct 13
 428 149: TGG Health&Wellness DB(SM)_1976-2005/Oct W1
 47 150: Gale Group Legal Res Index(TM)_1980-2005/Oct 11
 1414 155: MEDLINE(R)_1951-2005/Oct 12
 759 156: ToxFile_1965-2005/Oct W2
 16 158: DIOGENES(R)_1976-2005/Sep W2
 3331 159: Cancerlit_1975-2002/Oct
 3181 160: Gale Group PROMT(R)_1972-1989
 21 162: Global Health_1983-2005/Sep
 5 163: Ageline(R)_1965-2005/Aug
 Examined 100 files
 13 177: Adv.& Agency Red Books:Advertisers_2005/Sep
 1 178: Adv.& Agency Red Books:Agencies_2005/Sep
 136 180: Federal Register_1985-2005/Oct 13
 6 185: Zoological Record Online(R)_1978-2005/Oct
 1 188: Health Devices Sourcebook_2004
 1 190: Bibl. History of Art_1991-2005/Q2
 10 192: Industry Trends & Anal._1997/Jun
 16 198: Health Devices Alerts(R)_1977-2005/Sep W4
 26 203: AGRIS_1974-2005/Feb
 13 205: ONTAP(R) BIOSIS_ Previews(R)
 10 206: ONTAP(R) NTIS_
 5 208: ONTAP(R) Ei Compendex(R)_
 1144 211: Gale Group Newsearch(TM)_2005/Oct 13
 8 212: ONTAP(R) PsycINFO(R)_
 15 213: ONTAP(R) INSPEC_
 16 215: ONTAP(R) ABI/INFORM(R)_
 425 225: DIALOG(R) Domain Names 1997 - Sep. 2004
 103 226: TRADEMARKSCAN(R)-US Fed_OG 051004/AP 051006
 3 227: TRADEMARKSCAN(R)-Community Tmks_2005/Oct W2
 7 228: TRADEMARKSCAN(R)-Spain_2005/Oct W2
 1 229: Drug Info. Fulltext_2002
 1 231: ONTAP(R) CHEMSEARCH(R)
 21 234: Marquis Who`s Who(r)_2005/Sep
 2 236: Bowker(r) Biographical Directory_1997/Oct
 3 239: Mathsci_1940-2005/Nov
 11 240: PAPERCHEM_1967-2005/Oct W2
 2 241: Elec. Power DB_1972-1999Jan
 47 246: Trademarkscan(R)-U.S. State_2005/Oct 04

112 247: ONTAP(R) Gale Group Magazine Index(TM)_
101 248: PIRA_1975-2005/Sep W4
25 249: Mgt. & Mktg. Abs._1976-2005Oct W2
10 254: ONTAP(R) MEDLINE(R)_2005
52 256: TecInfoSource_82-2005/Nov
1695 258: AP News Jul_2000-2005/Oct 13
80 261: UPI News_1999-2005/Oct 13
1564 262: CBCA Fulltext_1982-2005/Oct 10
34 264: DIALOG Defense Newsletters_1989-2005/Oct 12
Examined 150 files
32 266: FEDRIP_2005/Jun
10 272: ONTAP(R) EMBASE_
4657 275: Gale Group Computer DB(TM)_1983-2005/Oct 12
69 277: ONTAP(R) Investext(R)_
1 279: CLAIMS(Ontap)_
30 280: ONTAP Derwent World Patents Index
39 281: ONTAP(R) Gale Group MARS(R)_
28 285: BioBusiness(R)_1985-1998/Aug W1
43 292: GEOBASE(TM)_1980-2005/Sep B1
3 294: ONTAP(R) SciSearch(R) Cited Ref Science_
4 296: TRADEMARKSCAN(R)-Federal(Ontap)_
1 304: The Merck Index Online(SM)_200(c) 2005 Merck & Co.
Inc.
1 305: Analytical Abstracts_1980-2005/Sep W4
2 307: DOSE
7 315: ChemEng & Biotec Abs_1970-2005/Sep
2 317: Chemical Safety NewsBase_1981-2005/Oct
27 319: Chem Bus NewsBase_1984-2005/Oct 13
1 322: Polymer Online_
15 323: RAPRA Rubber & Plastics_1972-2005/Sep
7153 324: German Patents Fulltext_1967-200540
1 332: Material Safety Data Sheets -
1 333: Material Safety Summary Sheets_2005/Q4
1 334: Material Safety Label Data_2005/Q4
3 336: RTECS_2005/Q3
1 337: CHEMTOX (R) Online_1998/Q3
599 347: JAPIO_Nov 1976-2005/Jun(Updated 051004)
3416 348: EUROPEAN PATENTS_1978-2005/Sep W04
4832 349: PCT FULLTEXT_1979-2005/UB=20051006,UT=20050929
15 357: Derwent Biotech Res.__1982-2005/Oct W3
2 358: Current BioTech Abs_1983-2005/Sep
2 360: Specialty Chemicals Update Program_2000/Q2
6 370: Science_1996-1999/Jul W3
8 371: French Patents_1961-2002/BOPI 200209
422 387: The Denver Post_1994-2005/Oct 12
3 389: ONTAP (R) Beilstein Facts_
Examined 200 files
523 390: Beilstein Facts_2005/Q2
371 392: Boston Herald_1995-2005/Oct 12
31 393: Beilstein Abstracts_2005/Q2
153 397: Las Vegas Review-Journal_1997-2005/Sep 28
13 398: Chemsearch_1957-2005/Sep
187 399: CA SEARCH(R)_1967-2005/UD=14316
2 410: Chronolog(R)_1981-2005/AUG
18 413: DIALOG PRODUCT CODE FINDER(TM)_2005/Jul
1 414: Dialog Journal Name Finder(TM)_2005/Aug
2929 416: DIALOG COMPANY NAME FINDER(TM)_2005/Feb

1 425: REMARC 1970-80_1986/Jul
101 426: LCMARC-Books_1968-2005/Oct W2
28 430: British Books in Print_2005/Oct W1
294 432: Tampa Tribune_1998-2005/Oct 06
305 433: Charleston Newspapers_1997-2005/Oct 12
199 434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
19 435: Art Abstracts_1984-2005/Sep
157 436: Humanities Abs Full Text_1984-2004/Dec
44 437: Education Abstracts_1983-2005/Sep
11 438: Library Lit. & Info. Science_1984-2005/Sep
25 439: Arts&Humanities Search(R)_1980-2005/Oct W2
1226 440: Current Contents Search(R)_1990-2005/Oct 13
6 444: New England Journal of Med._1985-2005/Oct W1
1 465: Incidence & Prevalence_2005/Q3
2 467: ExtraMED(tm)_2000/Dec
86 468: Public Opinion_1940-2005/Oct W2
3253 471: New York Times Fulltext_1980-2005/Oct 13
52 477: Irish Times_1999-2005/Oct 13
66 479: Gale Group Company Intelligence(R)_2005/Oct 13
5 480: Ulrich`s Int`l Periodicals Dir._2005/Jul
3 481: DELPHES Eur Bus_95-2005/Oct W2
1484 483: Newspaper Abs Daily_1986-2005/Oct 11
433 485: Accounting & Tax DB_1971-2005/Sep W4
523 486: Press-Telegram_1992- 2005/Oct 11
3217 492: Arizona Repub/Phoenix Gaz_19862002/Jan 06
1685 494: St LouisPost-Dispatch_1988-2005/Oct 12
14 500: Extel Intl Financl Cards_1992-2005/Jun W1
181 505: Asian Co. Profiles_2005/Oct
Examined 250 files
15 510: ESPICOM Pharm & Med Co. Profile_2005/Oct
10 512: ESPICOM Telecom./Power Rpts_2005/Oct
3 513: Corporate Affiliations_2005/Q3
4 514: DIALOG Investment Res. Index_1995-2005/Oct 04
1584 515: Dun`s Elec. Bus. Dir.(TM)_2005/Sep
1584 516: D & B - DUNS MARKET IDENTIFIERS_2005/Sep
57 518: D&B-Int.Dun`s Market Identifiers(R)_2005/May
126 520: D&B-Canadian Dun`s Mkt. Ident.(R)_2005/02
30 522: D&B-Who Owns Whom_2004/Nov
3 527: S&P`s Register-Corp._2004/Oct
728 531: ABD data By InfoUSA_Sep/2005
29 533: Canadian data by InfoUSA_Apr/2005
2 534: EdgarPlus(TM) Index_1968-2005/Oct 13
100 535: Thomas Register Online(R)_-2005/Q3
388 536: (GARY) POST-TRIBUNE_1992-1999/Dec 30
152 537: Harris Business Profiler_2005/Sep
68 538: Boca Raton News_1994- 1999/Jul 05
501 541: SEC Online(TM) Annual Repts_1997/Sep W3
622 542: SEC Online(TM) 10-K Reports_1997/Sep W3
230 543: SEC Online(TM) 10-Q Reports_1997/Sep W3
59 544: SEC Online(TM) Proxy Repts_1997/Sep W3
6304 545: Investext(R)_1982-2005/Oct 13
552 547: Experian Business Credit Profiles_2005/Oct W3
1 549: T.F. Insider Trading_1986-2005/Oct 12
1 550: TFSD IPOs_1980-2005/Oct 13
16 551: TFSD Worldwide M&A_1980-2005/Oct 13
1237 553: Wilson Bus. Abs. FullText_1982-2004/Dec
53 554: TFSD J V & Alliances_1990-2005/Oct 13

1 556: Mergent Company Snapshots_2001-2005/Oct
5 557: Mergent Company News Reports_1996-2005/Oct 12
8 559: CORPTECH Dir of Tech Companies_2005/Oct
348 560: Spokane Spokesman-Review_1994-2005/Oct 09
13 561: ICC British Co.Dir_2005/Oct 09
3 562: ICC Brit.Co.Finan.Data_2005/Oct 08
200 563: Key Note Market Res._1986-2001/Aug 03
68 564: ICC Brit.Co.Ann.Rpts_1984-2004/Jun 22
185 566: Euromonitor Mkt.Res.Jrnls_2004/Apr
6 568: Asian Bus. Intelligence Rpts_2002/Oct 25
3772 570: Gale Group MARS(R)_1984-2005/Oct 12
362 571: Piers Exports(US Ports)_2005/Oct W2
1 572: Piers Exports(Latin Am.)_2005/Oct W2
4495 573: Piers Imports(US Ports)_2005/Oct W2
225 574: Piers Imports(Latin Am.)_2005/Oct W2
453 577: Roanoke Times_1992-2005/Oct 12
Examined 300 files
205 582: Augusta Chronicle_1996- 2005/Oct 11
1824 583: Gale Group Globalbase(TM)_1986-2002/Dec 13
7 589: FI Defense Market Intelligence_2005/Oct 06
1 592: KOMPASS Asia/Pacific_2005/Jun
3 601: Early Edition Canada_2005/Oct 13
269 603: Newspaper Abstracts_1984-1988
15 605: U.S. Newswire_1999-2005/Oct 13
74 606: Africa News_1999-2005/Oct 13
9 607: ITAR/TASS News_1999-2002/Oct 01
2560 608: KR/T Bus.News._1992-2005/Oct 13
348 609: Bridge World Markets_2000-2001/Oct 01
1945 610: Business Wire_1999-2005/Oct 13
289 612: Japan Economic Newswire(TM)_1984-2005/Oct 13
1575 613: PR Newswire_1999-2005/Oct 13
27 614: AFP English Wire_1999-2005/Oct 13
3 615: AFP Intl French Wire_1999-2005/Oct 13
73 616: Canada NewsWire_1999-2001/Mar 09
14 617: South American Business Info._1999-2005/Oct 13
14 618: Xinhua News_1999-2005/Oct 13
2163 619: Asia Intelligence Wire_1995-2005/Oct 12
50 620: EIU:Viewswire_2005/Oct 12
5041 621: Gale Group New Prod.Annou.(R)_1985-2005/Oct 13
10 622: EIU Magazines_2000-2004/Mar 20
420 623: Business Week_1985-2005/Oct 13
534 624: McGraw-Hill Publications_1985-2005/Oct 13
52 625: American Banker Publications_1981-2005/Oct 11
3 626: Bond Buyer Full Text_1981-2005/Oct 11
42 627: EIU: Country Analysis_2005/Oct W2
1 628: Ctry Risk & Forecasts_2005/Oct W2
59 629: EIU:BUS. Newsletters_2005/Oct W1
1477 631: Boston Globe_1980-2005/Oct 12
2867 635: Business Dateline(R)_1985-2005/Oct 13
9662 636: Gale Group Newsletter DB(TM)_1987-2005/Oct 12
217 637: Journal of Commerce_1986-2005/Oct 13
2880 638: Newsday/New York Newsday_1987-2005/Oct 12
1136 640: San Francisco Chronicle_1988-2005/Oct 13
1087 641: Rocky Mountain News_Jun 1989-2005/Oct 13
144 644: (Boulder) Daily Camera_1995- 2005/Oct 11
265 646: Consumer Reports_1982-2005/Sep
364 648: TV and Radio Transcripts_1997-2005/Oct W2

5327 649: Gale Group Newswire ASAP(TM)_2005/Sep 30
 26 652: US Patents Fulltext_1971-1975
 15436 654: US Pat.Full._1976-2005/Oct 11
 4 657: TRADEMARKSCAN(R)-France_2005/Oct W2
 6 658: TRADEMARKSCAN(R)-Benelux_2005/Oct W2
 Examined 350 files
 247 660: Federal News Service_1991-2002/Jul 02
 2 661: TRADEMARKSCAN(R)-Switzerland_2005/Oct W2
 6 665: U.S. Newswire_1995-1999/Apr 29
 5 667: ITAR/TASS News_1996-1999/May 26
 7 668: TRADEMARKSCAN(R)-Mexico_2005/Apr
 9 671: TRADEMARKSCAN(R)-Intl Register_2005/Oct W2
 6 672: TRADEMARKSCAN(R)-Germany_2005/Oct W2
 91 673: TRADEMARKSCAN(R)-Italy_2005/Oct W2
 154 674: Computer News Fulltext_1989-2005/Oct W2
 4 675: TRADEMARKSCAN(R)-Sweden_2005/Oct W2
 3 678: TRADEMARKSCAN(R)-Norway_2005/Oct W2
 1 679: TRADEMARKSCAN(R)-Finland_2005/Oct W2
 1 683: TRADEMARKSCAN(R)-Ireland_2005/Oct W2
 1 685: TRADEMARKSCAN(R)-Lithuania_2005/Oct
 3808 696: DIALOG Telecom. Newsletters_1995-2005/Oct 13
 1010 703: USA Today_1989-2005/Oct 11
 2137 704: (Portland)The Oregonian_1989-2005/Oct 12
 3021 706: (New Orleans)Times Picayune_1989-2005/Oct 12
 1306 707: The Seattle Times_1989-2005/Oct 12
 923 709: Richmond Times-Disp._1989-2005/Oct 12
 341 710: Times/Sun.Times(London)_Jun 1988-2005/Oct 12
 288 711: Independent(London)_Sep 1988-2005/Oct 13
 1071 712: Palm Beach Post_1989-2005/Oct 12
 2418 713: Atlanta J/Const._1989-2005/Oct 13
 2276 714: (Baltimore) The Sun_1990-2005/Oct 13
 214 715: Christian Sci.Mon._1989-2005/Oct 13
 1013 716: Daily News Of L.A._1989-2005/Oct 09
 557 717: The Washington Times_Jun 1989-2005/Oct 10
 1344 718: Pittsburgh Post-Gazette_Jun 1990-2005/Oct 13
 1621 719: (Albany) The Times Union_Mar 1986-2005/Oct 11
 569 722: Cincinnati/Kentucky Post_1990-2005/Oct 06
 760 724: (Minneapolis)Star Tribune_1989-1996/Feb 04
 131 725: (Cleveland)Plain Dealer_Aug 1991-2005/Oct 12
 122 726: S.China Morn.Post_1992--2005/Oct 12
 11541 727: Canadian Newspapers_1990-2005/Oct 13
 1013 728: Asia/Pac News_1994-2005/Oct W2
 547 732: San Francisco Exam._1990- 2000/Nov 21
 1539 733: The Buffalo News_1990- 2005/Oct 09
 977 734: Dayton Daily News_Oct 1990- 2005/Oct 11
 1416 735: St. Petersburg Times_1989- 2005/Oct 12
 517 736: Seattle Post-Int._1990-2005/Oct 12
 1683 738: (Allentown) The Morning Call_1990-2005/Oct 12
 Examined 400 files
 531 740: (Memphis)Comm.Appeal_1990-2005/Oct 12
 1770 741: (Norfolk)Led./Pil._1990-2005/Aug 25
 620 742: (Madison)Cap.Tim/Wi.St.J_1990-2005/Oct 11
 1271 743: (New Jersey)The Record_1989-2005/Oct 12
 111 748: Asia/Pac Bus. Jrnls_1994-2005/Oct 03
 66 749: Latin American News Jan/_1994-2005/Oct 13
 148 750: Emerging Mkts & Middle East News_1995-2005/Oct 12
 3 754: IPO Maven_1994-2000/Jul

187 755: New Zealand Newspapers_1995-2005/Oct 12
 14 758: Asia/Pac Directory_2002/Oct
 83 760: Euromonitor Strategy_2004/Apr
 198 761: Datamonitor Market Res._1992-2005/Oct
 445 762: Euromonitor Market Res._1991-2004/Apr
 227 764: BCC Market Research_1989-2005/Oct
 356 765: Frost & Sullivan_1992-1999/Apr
 125 766: (R)Kalorama Info Market Res._1993-2000/Aug
 42 768: EIU Market Research_2005/Apr 21
 1 774: EdgarPlus(TM)-Prospectuses_2004/Mar 09
 1 775: EdgarPlus(TM)-Reg. Statements_2004/Mar 09
 1 777: EdgarPlus(TM)-Annual Reports_2004/Mar 09
 9673 781: ProQuest Newsstand_1998-2005/Oct 13
 24 802: ONTAP(R) Boston Globe_
 3 803: ONTAP(R) Energy Sci. & Tech._
 17 805: ONTAP(R) Gale Group Computer DB(TM)_
 6 806: Africa News_1996-1999/May 26
 1527 813: PR Newswire_1987-1999/Apr 30
 51 816: Canada NewsWire_1996-1999/Jun 24
 3 817: South American Business Info._1996-1999/May 24
 5 818: Xinhua News_1996-1999/May 26
 70 861: UPI News_1996-1999/May 27
 278 929: Albuquerque Newspapers_1995-2005/Jul 31
 1242 979: Milwaukee Jnl Sentinel Apr_1998-2005/Oct 12
 409 980: Sarasota Herald-Tribune_1996-2005/Oct 12

362 files have one or more items; file list includes 441 files.

?

S VOICE (W) ACTIVATED (W) VCR

Your SELECT statement is:

S VOICE (W) ACTIVATED (W) VCR

Items	File
----	----
1	2: INSPEC_1898-2005/Oct W1
1	13: BAMP_2005/Oct W1
5	15: ABI/Inform(R)_1971-2005/Oct 13
3	16: Gale Group PROMT(R)_1990-2005/Oct 12
2	47: Gale Group Magazine DB(TM)_1959-2005/Oct 13
Examined 50 files	
1	111: TGG Natl.Newspaper Index(SM)_1979-2005/Oct 11
7	148: Gale Group Trade & Industry DB_1976-2005/Oct 13
Examined 100 files	
1	262: CBCA Fulltext_1982-2005/Oct 10
Examined 150 files	
1	275: Gale Group Computer DB(TM)_1983-2005/Oct 12
Examined 200 files	
Examined 250 files	
1	545: Investext(R)_1982-2005/Oct 13
1	553: Wilson Bus. Abs. FullText_1982-2004/Dec
3	570: Gale Group MARS(R)_1984-2005/Oct 12
1	577: Roanoke Times_1992-2005/Oct 12
Examined 300 files	
2	583: Gale Group Globalbase(TM)_1986-2002/Dec 13

Comment [q3]: Probably okay but often you have to use a very loose strategy in DialIndex, something like
 S voice(activated and (VCR or video cassette recorder)

1 603: Newspaper Abstracts_1984-1988
1 636: Gale Group Newsletter DB(TM)_1987-2005/Oct 12
1 641: Rocky Mountain News_Jun 1989-2005/Oct 13

Examined 350 files

1 707: The Seattle Times_1989-2005/Oct 12
1 713: Atlanta J/Const._1989-2005/Oct 13
1 714: (Baltimore) The Sun_1990-2005/Oct 13
1 718: Pittsburgh Post-Gazette_Jun 1990-2005/Oct 13
1 724: (Minneapolis)Star Tribune_1989-1996/Feb 04
2 727: Canadian Newspapers_1990-2005/Oct 13

Examined 400 files

1 743: (New Jersey)The Record_1989-2005/Oct 12
1 929: Albuquerque Newspapers_1995-2005/Jul 31

25 files have one or more items; file list includes 441 files.

?

Your last SELECT statement was:
S VOICE (W) ACTIVATED (W) VCR

Ref	Items	File
---	----	----
N1	7	148: Gale Group Trade & Industry DB_1976-2005/Oct 13
N2	5	15: ABI/Inform(R)_1971-2005/Oct 13
N3	3	16: Gale Group PROMT(R)_1990-2005/Oct 12
N4	3	570: Gale Group MARS(R)_1984-2005/Oct 12
N5	2	47: Gale Group Magazine DB(TM)_1959-2005/Oct 13
N6	2	583: Gale Group Globalbase(TM)_1986-2002/Dec 13
N7	2	727: Canadian Newspapers_1990-2005/Oct 13
N8	1	2: INSPEC_1898-2005/Oct W1
N9	1	13: BAMP_2005/Oct W1
N10	1	111: TGG Natl.Newspaper Index(SM)_1979-2005/Oct 11

25 files have one or more items; file list includes 441 files.

- Enter P or PAGE for more -

?

B N1:N4

13oct05 13:33:02 User732053 Session D438.2
\$7.47 4.982 DialUnits File411
\$7.47 Estimated cost File411
\$0.40 INTERNET
\$7.87 Estimated cost this search
\$7.88 Estimated total session cost 5.172 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 148:Gale Group Trade & Industry DB 1976-2005/Oct 13
(c)2005 The Gale Group
File 15:ABI/Inform(R) 1971-2005/Oct 13
(c) 2005 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2005/Oct 12
(c) 2005 The Gale Group
File 570:Gale Group MARS(R) 1984-2005/Oct 12
(c) 2005 The Gale Group

Set Items Description

?

--- -----
Ref Items Index-term
E1 3 VOICE '89
E2 1 VOICE '90
E3 0 *VOICE ACTIVATED
E4 1 VOICE AND DATA SECURITY (BOOK)
E5 1 VOICE COMMAND (VIDEO GAME)
E6 2502 VOICE COMMUNICATION
E7 1 VOICE COMMUNICATIONS
E8 8 VOICE COMMUNICATIONS SOFTWARE
E9 55 VOICE CULTURE
E10 30 VOICE DISORDERS
E11 1 VOICE EUROPE
E12 2 VOICE EXTENSIBLE MARKUP LANGUAGE FORUM

Enter P or PAGE for more

?

Ref Items Index-term
E1 1 VCQUAD
E2 2 VCQ2
E3 43944 *VCR
E4 1 VCR PLUS
E5 1 VCR QUARTERBACK (GAME)
E6 1 VCRA
E7 1 VCRACKS
E8 1 VCRACRUZ
E9 2 VCRAD
E10 1 VCRADDOCK
E11 4 VCRAM
E12 1 VCRANO

Enter P or PAGE for more

?

S E3
S1 43944 'VCR'

?

Set Items Description
S1 43944 'VCR'

?

Ref Items Index-term
E1 1 VIDENTRON
E2 1 VIDENTUR
E3 1446948 *VIDEO
E4 2 VIDEO (BOOK)
E5 1 VIDEO (PERIODICAL)
E6 3 VIDEO AGE INTERNATIONAL (PERIODICAL)
E7 1 VIDEO AIDS

E8 22 VIDEO AMPLIFIERS
E9 2 VIDEO AND ELECTRONICS STANDARDS ASSOCIATION
E10 107 VIDEO ART
E11 1 VIDEO ART (BOOK)
E12 30 VIDEO ARTISTS

Enter P or PAGE for more

?

Ref Items Index-term
E13 1 VIDEO ARTS LIMITED
E14 1 VIDEO ARTS TV
E15 1 VIDEO AWARENESS
E16 1 VIDEO BABY (VIDEO RECORDING)
E17 36 VIDEO BANKING
E18 29 VIDEO BANKING MACHINES
E19 1 VIDEO BASE INTERNATIONAL
E20 812 VIDEO BOARDS
E21 27 VIDEO BUSINESS (PERIODICAL)
E22 1 VIDEO BUSINESS VIDEO HALL OF FAME
E23 1 VIDEO BUYER GROUP
E24 3 VIDEO BUYERS GROUP

Enter P or PAGE for more

?

Ref Items Index-term
E25 1 VIDEO CABLE COMMUNICATION
E26 652 VIDEO CAMERAS
E27 1 VIDEO CAMERAS TESTING
E28 1 VIDEO CAR LOT (TELEVISION PROGRAM)
E29 1 VIDEO CASSETTE RECORDER
E30 1 VIDEO CASSETTES UNLIMITED
E31 1 VIDEO CENTRAL
E32 1 VIDEO CHOICE (PERIODICAL)
E33 1 VIDEO CLASSICS
E34 1 VIDEO COLLECTION DEVELOPMENT IN MULTI-TYPE LIB
E35 574 VIDEO COMPRESSION
E36 1 VIDEO COMPRESSION TECHNOLOGY

Enter P or PAGE for more

?

Ref Items Index-term
E37 1 VIDEO COMPUTER SYSTEM
E38 1 VIDEO CONCEPTS
E39 1 VIDEO CONCERT HALL (TELEVISION PROGRAM)
E40 1 VIDEO CONF
E41 1 VIDEO CONNECTION
E42 1 VIDEO COOKBOOK(TM). (VIDEO RECORDING)
E43 1 VIDEO COPYRIGHT OWNERS ASSOCIATION OF AUSTRALI
E44 1 VIDEO CORPORATION AMERICA
E45 39 VIDEO CORPORATION OF AMERICA
E46 1 VIDEO CORPORATION OF AMERICA. TELETRONICS DIV.

E47 2 VIDEO CORPORATION OF AMERICA. VIDAMERICA DIV.
E48 1 VIDEO CROSS ROADS

Enter P or PAGE for more

?

Ref Items Index-term
E49 1 VIDEO CROSS ROADS INTERNATIONAL
E50 1 VIDEO CROSSROAD

?

Ref Items Index-term
E1 1 VIDEO CROSSROAD
E2 1 VIDEO CULTURE CANADA FESTIVAL
E3 1 VIDEO CURATION: CONSTRUCTING LIBRARY CORE COLL
E4 1 VIDEO CYCLE TOURS (VIDEO RECORDINGS)
E5 1 VIDEO DEALERS ASSOCIATION OF AMERICA
E6 2 VIDEO DEALERS ASSOCIATION OF CANADA
E7 2 VIDEO DEALERS SOFTWARE ASSOCIATION
E8 1 VIDEO DEMYSTIFIED: THIRD EDITION (BOOK)
E9 1 VIDEO DEPT. HOME ENTERTAINMENT DIV.
E10 107 VIDEO DIALTONE
E11 2 VIDEO DIALTONE ASSOCIATION
E12 2 VIDEO DIARIES (TELEVISION PROGRAM)

Enter P or PAGE for more

?

Ref Items Index-term
E13 1 VIDEO DIGEST (PERIODICAL)
E14 14 VIDEO DISCS AND PLAYERS
E15 1 VIDEO DISK & VIDEOGRAM CONFERENCE
E16 290 VIDEO DISPLAY TERMINALS
E17 14 VIDEO DISPLAY TERMINALS--VDTS
E18 1 VIDEO DISPLAY TERMINALS-VDTS
E19 1 VIDEO DUB ILLINOIS
E20 1 VIDEO EDITING AND POST-PRODUCTION: A PROFESSIO
E21 2 VIDEO ELECTRONIC STANDARDS ASSOCIATION
E22 1 VIDEO ELECTRONICS STANDARDIZATION ASSOCIATION
E23 154 VIDEO ELECTRONICS STANDARDS ASSOCIATION
E24 1 VIDEO ENCYCLOPEDIA OF THE TWENTIETH CENTURY (T

Enter P or PAGE for more

?

Ref Items Index-term
E1 12 VIDEO RANDOM ACCESS MEMORY
E2 1 VIDEO RATING GUIDE (PERIODICAL)
E3 0 *VIDEO RECORDER
E4 599 VIDEO RECORDERS
E5 2 VIDEO RECORDING
E6 8928 VIDEO RECORDING INDUSTRY
E7 1 VIDEO RECORDING INDUSTRY CONTRACTS

E8 1 VIDEO RECORDING INDUSTRY MANAGEMENT
E9 1 VIDEO RECORDING INDUSTRY PRODUCT DEVELOPMENT
E10 1 VIDEO RECORDING INDUSTRY SERVICES
E11 1 VIDEO RECORDING REVIEWS
E12 1194 VIDEO RECORDING REVIEWS

Enter P or PAGE for more

?

S E4

S2 599 'VIDEO RECORDERS'

?

S VOICE (W) ACTIVATED

815882 VOICE

88183 ACTIVATED

S3 11405 VOICE (W) ACTIVATED

?

Ref	Items	Index-term
E1	24	VOICD
E2	1	VOICDFAX
E3	815882	*VOICE
E4	3	VOICE '89
E5	1	VOICE '90
E6	1	VOICE AND DATA SECURITY (BOOK)
E7	1	VOICE COMMAND (VIDEO GAME)
E8	2502	VOICE COMMUNICATION
E9	1	VOICE COMMUNICATIONS
E10	8	VOICE COMMUNICATIONS SOFTWARE
E11	55	VOICE CULTURE
E12	30	VOICE DISORDERS

Enter P or PAGE for more

?

Ref	Items	Index-term
E13	1	VOICE EUROPE
E14	2	VOICE EXTENSIBLE MARKUP LANGUAGE FORUM
E15	1	VOICE FOR YOUTH (PERIODICAL)
E16	4	VOICE I
E17	3	VOICE I O EQUIPMENT
E18	412	VOICE I/O EQUIPMENT
E19	1	VOICE IN LITERATURE
E20	1	VOICE IN THE NIGHT (SOUND RECORDING)
E21	1	VOICE INPUT
E22	1	VOICE LITERARY SUPPLEMENT (NEWSPAPER)
E23	1	VOICE LITERARY SUPPLEMENT (PERIODICAL)
E24	1	VOICE LOCK PUPPET (BOOK)

Enter P or PAGE for more

?

E E18

>>>No related terms exist for this term

Comment [q4]: Using free text searching is often the best in OneSearch. As you are discovering, it is very hard to find controlled vocabulary that works well in all 4 files.

?

S E18

S4 412 'VOICE I/O EQUIPMENT'

?

Set	Items	Description
S1	43944	'VCR'
S2	599	'VIDEO RECORDERS'
S3	11405	VOICE (W) ACTIVATED
S4	412	'VOICE I/O EQUIPMENT'

?

S (S1 OR S2) AND S3
43944 S1
599 S2
11405 S3
S5 208 (S1 OR S2) AND S3

?

TYPE 5/8/1-10

5/8/1 (Item 1 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

0018661134 SUPPLIER NUMBER: 135931841 (USE FORMAT 7 OR 9 FOR
FULL
TEXT)

Videoconferencing Systems.

Sept 1, 2005

WORD COUNT: 3227 LINE COUNT: 00269

INDUSTRY CODES/NAMES: ARTS Arts and entertainment industries; BUSN
Business; ELEC Electronics and electrical industries

5/8/2 (Item 2 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

0017539807 SUPPLIER NUMBER: 119317334 (USE FORMAT 7 OR 9 FOR
FULL
TEXT)

**Screen gems: high quality, ease of use and security features propel
videoconferencing systems.(Illustration)(Buyers Guide)**

June 7, 2004

WORD COUNT: 1848 LINE COUNT: 00314

INDUSTRY CODES/NAMES: COMP Computers; CMPT Computers and office
automation industries; GOVT Government

DESCRIPTORS: Telecommunications equipment industry--Product
introduction;

Administrative agencies--Technology application; Administrative agencies
--Management

GEOGRAPHIC CODES/NAMES: 1USA United States

EVENT CODES/NAMES: 336 Product introduction;200 Management dynamics

SIC CODES: 3661 Telephone and telegraph apparatus

FILE SEGMENT: CD File 275

5/8/3 (Item 3 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

16728212 SUPPLIER NUMBER: 113419104 (USE FORMAT 7 OR 9 FOR FULL
TEXT
)

About a boy.(Style sheet: toy trends at a glance)

Feb, 2004

WORD COUNT: 246 LINE COUNT: 00024

INDUSTRY CODES/NAMES: BUSN Any type of business; FASH Fashion,
Accessories and Textiles
FILE SEGMENT: TI File 148

5/8/4 (Item 4 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

16679660 SUPPLIER NUMBER: 111980430 (USE FORMAT 7 OR 9 FOR FULL
TEXT
)

No more excuses.(tech toys)

Dec 11, 2003

WORD COUNT: 93 LINE COUNT: 00010

INDUSTRY CODES/NAMES: BUSN Any type of business; ELEC Electronics
FILE SEGMENT: TI File 148

5/8/5 (Item 5 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

14398371 SUPPLIER NUMBER: 83762415 (USE FORMAT 7 OR 9 FOR FULL
TEXT)

Pomp and circumstance. (2002 Consumer Electronic Show Feature).

March, 2002

WORD COUNT: 3803 LINE COUNT: 00305

INDUSTRY CODES/NAMES: BUSN Any type of business; HOME Home
Furnishings

DESCRIPTORS: Consumer Electronics Association--Conferences, meetings,
seminars, etc.; Consumer electronics industry--Conferences, meetings,
seminars, etc.; Consumer Electronics Show--2002

GEOGRAPHIC CODES/NAMES: 1USA United States

PRODUCT/INDUSTRY NAMES: 3650000 (Consumer Electronics)

EVENT CODES/NAMES: 330 Product information;600 Market information -
general

SIC CODES: 3651 Household audio and video equipment

NAICS CODES: 33431 Audio and Video Equipment Manufacturing

FILE SEGMENT: TI File 148

5/8/6 (Item 6 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

13930235 SUPPLIER NUMBER: 78236646 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Modern Times.

August, 2001

WORD COUNT: 2273 LINE COUNT: 00173

INDUSTRY CODES/NAMES: BANK Banking, Finance and Accounting; BUSN Any type of business; REG Business, Regional
FILE SEGMENT: TI File 148

5/8/7 (Item 7 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

13629462 SUPPLIER NUMBER: 76598123 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Texas Instruments Takes the Lead in Programmable Internet Audio DSP Shipments, Surpassing Three Million.

July 18, 2001

WORD COUNT: 1296 LINE COUNT: 00113

COMPANY NAMES: Texas Instruments Inc.

INDUSTRY CODES/NAMES: BUS Business, General; BUSN Any type of business

DESCRIPTORS: Electronic components industry

PRODUCT/INDUSTRY NAMES: 3670000 (Electronic Components)

SIC CODES: 3670 Electronic Components and Accessories

NAICS CODES: 3359 Other Electrical Equipment and Component Manufacturing

TICKER SYMBOLS: TXN

FILE SEGMENT: NW File 649

5/8/8 (Item 8 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

13416150 SUPPLIER NUMBER: 74454255 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Voice of authority.

April 25, 2001

WORD COUNT: 580 LINE COUNT: 00047

INDUSTRY CODES/NAMES: BUSN Any type of business; ELEC Electronics;

INTL Business, International

FILE SEGMENT: TI File 148

5/8/9 (Item 9 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

13389222 SUPPLIER NUMBER: 20393854 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Predictors of advertising avoidance in print and broadcast media.

Fall, 1997

WORD COUNT: 9068 LINE COUNT: 00824

SPECIAL FEATURES: table; chart; illustration
INDUSTRY CODES/NAMES: ADV Advertising, Marketing and Public Relations;
BUSN Any type of business
DESCRIPTORS: Advertising--Research; Consumers--Attitudes; Television
advertising--Research
FILE SEGMENT: MC File 75

5/8/10 (Item 10 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

12872546 SUPPLIER NUMBER: 67707610 (USE FORMAT 7 OR 9 FOR FULL
TEXT)

**Kash 'n Gold Offers the Perfect Last Minute Gift Idea for This Holiday
Season.**

Dec 8, 2000

WORD COUNT: 859 LINE COUNT: 00073

COMPANY NAMES: Walt Disney Co.

INDUSTRY CODES/NAMES: BUS Business, General; BUSN Any type of
business

NAMED PERSONS: Monroe, Marilyn

PRODUCT/INDUSTRY NAMES: 9980000 (Diversified Companies)

TICKER SYMBOLS: DIS

FILE SEGMENT: NW File 649

?

Set	Items	Description
S1	43944	'VCR'
S2	599	'VIDEO RECORDERS'
S3	11405	VOICE (W) ACTIVATED
S4	412	'VOICE I/O EQUIPMENT'
S5	208	(S1 OR S2) AND S3

?

S S2 AND S4

599 S2

412 S4

S6 0 S2 AND S4

?

Ref	Items	Index-term
E1	266787	*COMMAND
E2	38	COMMAND AIRWAYS
E3	7	COMMAND AIRWAYS INC.
E4	1	COMMAND AND CONTROL PRODUCT LINES (DEFENSE PRO
E5	1614	COMMAND AND CONTROL SYSTEMS
E6	1	COMMAND AT SEA: NAVAL COMMAND AND CONTROL SINC
E7	1	COMMAND COMMUNICATOR (COMPUTER APPARATUS)
E8	1	COMMAND COMPUTER SERVICES
E9	12	COMMAND CONTROL SYSTEMS
E10	3	COMMAND DATA SYSTEMS
E11	1	COMMAND FAILURE IN WAR: PSYCHOLOGY AND LEADERS
E12	1	COMMAND II (COMPUTER)

Enter P or PAGE for more

?

S E1

S7 266787 'COMMAND'

?

Set	Items	Description
S1	43944	'VCR'
S2	599	'VIDEO RECORDERS'
S3	11405	VOICE (W) ACTIVATED
S4	412	'VOICE I/O EQUIPMENT'
S5	208	(S1 OR S2) AND S3
S6	0	S2 AND S4
S7	266787	'COMMAND'

?

S S2 AND S7

	599	S2
	266787	S7
S8	10	S2 AND S7

?

TYPE 8/8/1-10

8/8/1 (Item 1 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

02662810 499235131

USE FORMAT 7 OR 9 FOR FULL TEXT

Cable Plays Catch-Up on the DVR Front WORD COUNT: 1212

Dec 1, 2003

GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Video recorders; Cable TV; Television advertising; Problems;

Manycompanies; Service introduction

CLASSIFICATION CODES: 8330 (CN=Broadcasting & telecommunications); 7200

(CN=Advertising); 9190 (CN=United States)

PRINT MEDIA ID: 40193

8/8/2 (Item 2 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

02643975 428578221

USE FORMAT 7 OR 9 FOR FULL TEXT

Television ad model under pressure on two fronts WORD COUNT: 1113

Sep 22, 2003

GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Cable TV; Competition; Advertising revenue; Television

stations; Spot television; Video recorders; Economic impact

CLASSIFICATION CODES: 8330 (CN=Broadcasting & telecommunications); 7200

(CN=Advertising); 9190 (CN=United States)

PRINT MEDIA ID: 40193

8/8/3 (Item 3 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

02483467 219994511

USE FORMAT 7 OR 9 FOR FULL TEXT

Troubleshooting machine maladies WORD COUNT: 2022 LENGTH: 3 Pages

Oct 2002

COMPANY NAMES:

Monitoring Technology Corp (NAICS:512110)

Brenton Engineering Co (NAICS:333993)

GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Assembly lines; Trouble shooting; Video recorders; Digital
cameras; Machinery; Case studies

CLASSIFICATION CODES: 9190 (CN=United States); 8670 (CN=Machinery
industry)

; 5250 (CN=Telecommunications systems & Internet communications); 5310
(CN=Production planning & control); 9110 (CN=Company specific)

PRINT MEDIA ID: 26281

8/8/4 (Item 4 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

02233317 81541252

USE FORMAT 7 OR 9 FOR FULL TEXT

Ready for prime time WORD COUNT: 2455 LENGTH: 3 Pages

Sep 10, 2001

GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Interactive television; Video recorders; Technological
change;

Advertising media; Market potential

CLASSIFICATION CODES: 9190 (CN=United States); 8330 (CN=Broadcasting &
telecommunications); 8650 (CN=Electrical & electronics industries);
7200

(CN=Advertising)

PRINT MEDIA ID: 15223

8/8/5 (Item 5 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

02233262 80582243

USE FORMAT 7 OR 9 FOR FULL TEXT

Ready for prime time WORD COUNT: 2043 LENGTH: 3 Pages

Sep 10, 2001

GEOGRAPHIC NAMES: United States; US

DESCRIPTORS: Video recorders; Technological change; Television
advertising;

Television programming

CLASSIFICATION CODES: 8650 (CN=Electrical & electronics industries); 7200
(CN=Advertising); 8330 (CN=Broadcasting & telecommunications); 9190
(CN=United States)

PRINT MEDIA ID: 14526

8/8/6 (Item 6 from file: 15)

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01915471 05-66463

****USE FORMAT 7 OR 9 FOR FULL TEXT****

Ad wipeout threat from hi-tech VCRs WORD COUNT: 915 LENGTH: 2 Pages
Oct 14, 1999

GEOGRAPHIC NAMES: UK; US

DESCRIPTORS: Video recorders; Technological change; Online advertising;
Television advertising; Advertisers; Consumer electronics
CLASSIFICATION CODES: 9175 (CN=Western Europe); 9190 (CN=United States);
8650 (CN=Electrical & electronics industries); 8330 (CN=Broadcasting &
telecommunications); 7200 (CN=Advertising)

8/8/7 (Item 7 from file: 15)

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01106310 97-55704

****USE FORMAT 7 OR 9 FOR FULL TEXT****

RCA brand gets technology boost WORD COUNT: 676 LENGTH: 3 Pages
Jul 1995

COMPANY NAMES:

Thomson Consumer Electronics (DUNS:00-693-2305)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Electronics industry; Corporate profiles; Consumer
electronics
; Product lines; Product development; Technology; Innovations; Video
recorders; Television
CLASSIFICATION CODES: 8650 (CN=Electrical & electronics industries); 9110
(CN=Company specific); 7500 (CN=Product planning & development); 9190
(CN=United States)

8/8/8 (Item 8 from file: 15)

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00882306 95-31698

****USE FORMAT 7 OR 9 FOR FULL TEXT****

Premiere series debuts WORD COUNT: 1174 LENGTH: 2 Pages
Jun 1994

COMPANY NAMES:

Victor Co of Japan Ltd (DUNS:69-056-8712)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Electronics industry; Corporate profiles; Product
introduction
; Television; Video recorders; Audio equipment
CLASSIFICATION CODES: 9190 (CN=United States); 8650 (CN=Electrical &
electronics industries); 9110 (CN=Company specific); 7500 (CN=Product
planning & development)

8/8/9 (Item 9 from file: 15)

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00731957 93-81178

USE FORMAT 7 OR 9 FOR FULL TEXT

Experiences using cooperative interactive storyboard prototyping

WORD COUNT: 4206 LENGTH: 8 Pages

Jun 1993

GEOGRAPHIC NAMES: US

DESCRIPTORS: Participation; End users; Systems design; R&D; Prototypes;
Cooperation; Video recorders

CLASSIFICATION CODES: 5240 (CN=Software & systems); 5400 (CN=Research &
development); 9190 (CN=United States); 8650 (CN=Electrical &
electronics
industries)

8/8/10 (Item 10 from file: 15)

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00654207 93-03428

USE FORMAT 7 OR 9 FOR FULL TEXT

Its Master's Voice WORD COUNT: 1296 LENGTH: 2 Pages

Nov 1992

COMPANY NAMES:

Voice Powered Technology International Inc (DUNS:62-215-0886)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Product reviews; Video recorders; Product introduction; Voice
communication

CLASSIFICATION CODES: 9190 (CN=United States); 7500 (CN=Product planning &
development); 5250 (CN=Telecommunications systems); 8650 (CN=Electrical
& electronics industries); 9120 (CN=Product specific)

?

Set	File	Items	Description
	148	19522	
	15	4311	
	16	16339	
	570	3772	
S1		43944	'VCR'
	148	0	
	15	599	
	16	0	
	570	0	
S2		599	'VIDEO RECORDERS'
	148	4924	
	15	1044	
	16	5031	
	570	406	
S3		11405	VOICE (W) ACTIVATED
	148	400	
	15	0	
	16	11	
	570	1	

S4 412 'VOICE I/O EQUIPMENT'
 148 89
 15 34
 16 67
 570 18
 S5 208 (S1 OR S2) AND S3
 148 0
 15 0
 16 0
 570 0
 S6 0 S2 AND S4
 148 128791
 15 39479
 16 92045
 570 6472
 S7 266787 'COMMAND'
 148 0
 15 10
 16 0
 570 0
 S8 10 S2 AND S7
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Comment [q5]: As you can see, a lot of this vocabulary is not common to more than 2 of the 4 files.

Display 1/2/19523 (Item 1 from file: 15)
 DIALOG(R)File 15:ABI/Inform(R)
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02957438 908277811
EPSS Needs Assessment: Oops, I Forgot How to Do That!
 Nguyen, Frank
 Performance Improvement v44n9 PP: 33-39, 48 Oct 2005 ISSN: 1090-8811
 JRNL CODE: PFMJ
 DOC TYPE: Periodical; Feature LANGUAGE: English RECORD TYPE: Fulltext
 LENGTH: 8 Pages
 SPECIAL FEATURE: Tables References
 WORD COUNT: 1645

 DESCRIPTORS: Studies; Information systems; End users; Human performance;
 Online instruction; Needs analysis
 CLASSIFICATION CODES: 9130 (CN=Experimental/Theoretical); 5240
 (CN=Software
 & systems); 2500 (CN=Organizational behavior)
 PRINT MEDIA ID: 67295

TYPE 8/9/8-10 FROM EACH

Comment [q6]: If KWIC is available in all 4 files, that would be a much easier way to look for relevant items.

8/9/8 (Item 8 from file: 15)
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Comment [q7]: I'm wondering why you decided to view the 8th through the 10th articles from each file—I would probably have chosen 1-3 or 1-5 from each.

00882306 95-31698
Premiere series debuts
 Sherwin, Richard M
 Dealerscope Merchandising v36n6 PP: 79-80 Jun 1994 ISSN: 0888-4501
 JRNL CODE: DEA

DOC TYPE: Journal article LANGUAGE: English LENGTH: 2 Pages
WORD COUNT: 1174

COMPANY NAMES:

Victor Co of Japan Ltd (DUNS:69-056-8712)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Electronics industry; Corporate profiles; Product
introduction

; Television; Video recorders; Audio equipment

CLASSIFICATION CODES: 9190 (CN=United States); 8650 (CN=Electrical &
electronics industries); 9110 (CN=Company specific); 7500 (CN=Product
planning & development)

ABSTRACT: JVC is introducing its new product line with an emphasis on practical features across all of its audio, video, and entertainment systems. From its introductory pricing on the X'EYE Multi-Entertainment System to the technological breakthrough of 17-inch by 17-inch dual Picture-in-Picture (PIP) viewing on many televisions in its new Premiere Series, JVC has crafted its most ambitious retail marketing plan in years. At the forefront of the 1994 line of color televisions is the 6-model Premiere Series, ranging from the 20-inch AV-20TP5 to the 16:9 rear-projection 55-inch NV-55BX4. JVC's Black Level Expansion circuitry, which isolates the video signal from stray signals and low video noise, is integrated into all 1994 televisions. The Premiere Series AV-27BX5 combines a dark tint, flattened screen picture tube, 2-way PIP, Super Command universal remote, and matrix surround sound.

TEXT: NEWARK, N.J.-Levering its multimillion-dollar marketing ties to the 1994 World Cup of soccer, JVC is kicking off its new product line with an emphasis on practical features across all of its audio, video and entertainment systems.

From its introductory pricing on the X'EYE Multi-Entertainment System, which has a \$399.99 SRP, to the technological breakthrough of 17" x 17" dual Picture-In-Picture (P-I-P) viewing on many televisions in its new Premiere Series, JVC has crafted its most ambitious retail marketing plan in years.

As usual, Harry Elias, TVC executive vice president of marketing, is also taking an aggressive stance. But at the company's recent line showing, he reminded retailers to think profits and not just volume. "The retailers better be cautious about the aspect of profitability," Elias said.

"There's not a large margin for error, either from the manufacturing or the retail side any longer."

According to Elias, the focus at retail has shifted to include fewer vendors with stronger programs. "A lot of secondary manufacturers may leave the scene," he cautioned. But in the next breath, Elias said TVC will remain on top and that the manufacturer's TV lineup surpasses anything on the market.

At the forefront of the 1994 line of color televisions is the six-model Premiere Series, ranging from the 20" AV-20TP5 to the 16:9 rear-projection 55" NV-55BX4. JVC's Black Level Expansion circuitry, previously available only in the top-of-the-line NV-55BX4, is integrated into all 1994

televisions (down to the 13" models). Black Level Expansion circuitry isolates the video signal from stray signals and low video noise, resulting in a higher contrast picture and darker blacks.

"With this introduction, we have brought to market the most advanced technology, the highest quality and easiest to use top-tier TVs on the market," said David Bent, JVC merchandising manager for color TVs. The Premiere Series' AV-35BX5 large-screen stereo television combines a number of sophisticated features, Bent said. The viewer can choose between 6-PIX P-I-P with 40 percent more pixels than previous models, or a full-motion split screen, with as much as a 17" split screen.

AUDIO HIGHLIGHTS

The 6-PIX option permits the viewer to watch six pre-selected channels simultaneously and facilitates programming selection. The AV-35BX5 includes JVC new Super Command universal remote control, which boasts an improved menu system with help screens, a hyper scan high-speed channel changer and a 4-way cursor control similar in operation to a mouse. Matrix Surround Sound and six-mode Digital Sound Processing enable the player to simulate the acoustics of six different locations, such as "Stadium," "Theater" and "Jazz Club," which highlight the AV-35BX5's audio system.

JVC also has expanded its line of 27" televisions. The Premiere Series AV-27BX5 combines a dark tint, flattened screen picture tube, two-way P-I-P, Super Command universal remote and matrix surround sound. JVC's Ai (artificial intelligence) and cordless headphones with built-in transmitter round out the AV-27BX5's features.

To provide consumers with more aesthetic options, JVC is introducing new cabinetry on three 20" models and two 13" models. One of them, the GR-SZ7, produces the highest quality picture with more than 400 lines of horizontal resolution and a one-third-inch CCD image sensor boasting over 570,000 pixels. The Premiere line ranges in price from \$449 for the 20" model (available now) to \$1,599.95 for the 31" model, which will ship in September.

In camcorders, JVC introduced a new flagship Super VHS hi-fi camcorder that features digital image stabilization, an expanded digital effects generator, color L6D viewfinder and 100X digital zoom lens. Similarly, the company is marketing a new line of compact, palm-size units: the GR-AX30, GR-AX37, GR-AX70 and the GR-AX75. The camcorders range in price from \$699.95 to \$1,233.35 SRP. They feature dual-battery chargers, high-sensitivity CCD L technology and enhanced two-speed 12X zoom with 3-position zoom control.

For retailers interested in the recent boom of second-generation VCRs and second-unit sales, JVC introduced a number of video recorders. All of the four-head units use oval-cut video heads, which have rounded edges with trailing edges that are not parallel to the head gap. The new head configuration reduces ghosts and color beats. Many of the new VCRs contain VCR Plus+ and most use Hi-Spec Drives that can rewind tape 27 times faster than conventional drives.

For consumers who use cable TV, JVC offers the RM-V400 multisystem cable box controller, which can automatically change channels and record eight programs on eight different cable stations. JVC has also simplified VCR setup with improved on-screen menus.

In audio, JVC has taken aim at arch rival Sony by emphasizing the jukebox of the 1990s, the mass storage compact disc auto changer. JVC's XL-MC100 is a two-piece unit made up of a 100 CD transport/storage device and a CD controller. The XL-MC100's standard audio component size fits into any home theater setup.

The XL-MC100 (\$999.95 SRP) comes with JVC's proprietary Enhanced Compu Link Control System, which promotes ease of use with one-touch operation. The Compu Link System works like this: When the user presses the play button on the CD changer or the remote control, the changer and the JVC receiver turn on; the input is set for CD on the receiver, and playback begins. Other new CD changers from JVC include the XL-M415TN, a 6+1 CD auto changer. It accepts six discs in a magazine and one more on an auto-loading tray to offer playback of a total of seven discs. The new unit offers some unique options including a delete program button that removes tracks the user doesn't want to hear and smart and program play, which plays tracks in random order and allows the user to program up to 32 tracks or discs. It comes with Compu Link and offers wide range dynamic sound via the 1-bit P.E.M. D.D. Converter and 8-times oversampling digital filter.

NEW RECEIVER

JVC will also release a new AN receiver (the RX-815VTN (SRP \$629). It uses a DAP (Digital Acoustic Processor) to recreate sound fields. The Dolby Pro Logic-based receiver also comes with the AN Compu Link Control System. Further emphasizing its commitment to high quality audio, the company is expanding its cassette deck line for 1994 with two stereo double-cassette models, the TD-W315TN and TD-W215TN. Both decks come with DDRP (Dynamics Detection Recording Processor), a computer-controlled one-touch recording aid that allows a wide range of sound and low noise from CD-to-tape recording.

The MX-C99S compact component system (SRP \$1,249.95) is sized to offer easy installation. It features a 6+1 CD changer along with new LED information system. The LED system is lit to indicate which slots in the magazine hold discs, and it blinks to indicate the disc being played. The MX-C99S also offers a satellite/subwoofer system that the consumer can move for optimum sound.

JVC also has introduced several other compact component systems and a micro component system. The systems are priced from \$449 to \$999.

In personal audio, TVC is enhancing its CD portable systems by adding

extended bass sound with a simplified operation. The RC-QW33 and the RC-QS11 come with a multifunction wireless remote. Available now, they are priced at \$319.95 and \$249.95 respectively.

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8/9/9 (Item 9 from file: 15)

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00731957 93-81178

Experiences using cooperative interactive storyboard prototyping

Madsen, Kim Halskov; Aiken, Peter H

Communications of the ACM v36n6 PP: 57-64 Jun 1993 ISSN: 0001-0782

JRNL CODE: ACM

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SPECIAL FEATURE: References

WORD COUNT: 4206

GEOGRAPHIC NAMES: US

DESCRIPTORS: Participation; End users; Systems design; R&D; Prototypes; Cooperation; Video recorders

CLASSIFICATION CODES: 5240 (CN=Software & systems); 5400 (CN=Research & development); 9190 (CN=United States); 8650 (CN=Electrical & electronics industries)

ABSTRACT: Poorly developed human-computer interfaces embedded in consumer electronic products are frequently targets of criticism. The need for active end-user participation in development activities has been acknowledged. Both theoretical arguments and empirical evidence indicate a strong cause-and-effect relationship between development approaches permitting realistic conditions for prototype evaluation and successful interace development efforts. Storyboard prototyping of computer systems is a way to sketch out the future system early in the development process. The development of the Cooperative Interactive Storyboarding Prototyping (CISP) approach, which is aimed at more actively involving users in the prototyping interface development, is examined. CISP empowers users with tools and techniques encouraging them to interactively contribute to real-time, storyboard use, evaluation and modification. Crucial to the approach is the concept of the role of the user changing from reviewer to codeveloper.

TEXT: To cite a popular reference, the April 29, 1991 issue of Business Week reported only 3% of total television viewing time went to shows that were recorded by the users. Further surveys report high percentages of flashing VCR clocks, indicating the clocks are not set properly. Two of the obvious consequences of these poorly developed human-computer interfaces are: 1) a considerable portion of the population is unable to benefit from the primary functionality of these products; and 2) the loss of potential recording tape sales represented by the flashing clocks.

The need for active end-user participation in development activities has been acknowledged and is reflected as increasing interest in professional

gatherings such as the Computer Supported Cooperative Work (CSCW) and Participatory Design (PD) conferences. Prototyping has contributed to the success of enduser design activities 6, 7!. Both theoretical arguments and empirical evidence indicate a strong cause-and-effect relationship between development approaches permitting realistic conditions for prototype evaluation and successful interface development efforts. Better solutions are achieved when the user is better prepared to participate in development processes 10, 11!.

Storyboard prototyping is a variation of the general 'plan to throw one away in order to get it right' school of software development promoted by Brooks and others 1, 3, 8, 13!. Storyboard prototyping can be defined as "...a technique designed to generate consensus and closure via a tangible, interactive systems concept. It permits users to participate in the requirements validation process, and it provides an audit trail of the requirements analysis process...The presentation of the interactive storyboard to users and managers is intended to evoke comments and criticisms" 13, p. 39!. As in film production, the use of storyboards in the development of computer systems is a way to 'sketch out' the future system early in the development process. In an effort to verify the requirements, the developer use nonfunctional mock-ups, a technology dating at least to the 1930s, to illustrate a task-driven view of the proposed system for the user. The concept of iteration as a discovery process is the key to prototyping: each successive iteration brings the prototype one step closer to correctly representing the user needs.

Delay associated with production of the next version of the storyboard is a source of frustration for storyboard developers. Too much time between user review sessions leads to loss of cognitive momentum and can introduce errors to and perpetuate omissions in the development process.

Inspired by Scandinavian research into cooperative design 11!, the thrust of the Cooperative Interactive Storyboarding Prototyping (CISP) approach is to more actively involve users in the prototype interface development. CISP empowers users with tools and techniques encouraging them to interactively contribute to real-time, storyboard use, evaluation and modification. Crucial here is the concept of the role of the user changing from reviewer to codeveloper.

By drawing the user into the production process itself, CISP seeks to reduce the delays typically associated with the production of the 'next iteration' of the storyboard. In addition to reducing iteration delay, CISP also provides situations in which users can evaluate the storyboard prototypes under realistic circumstances and modify them in real time. Hence, the matter is not merely one of speeding up the design process but of creating a situation in which developers can respond to user requests in

real time.

While the effort described in this article is very much 'work-in-progress,' we have some experience using CISP, having developed a VCR interface and evaluated the efforts of a small group of master's-level students, studying Human-Computer Interaction, as they used the interface to complete certain VCR-specific tasks. Preliminary results are promising. When applied to prototyping, the increased, collective, cognitive momentum seems to favorably affect the quality of the resulting development efforts.

THE CISP-TOOL

A large part of the impetus for this investigation came shortly after we received a new piece of multimedia equipment for the Hypermedia Technologies Laboratory. We anticipated the unit, the NEC PC-VCR S-VHS videocassette recorder with an RS-232 interface, would be an important tool-augmenting our efforts in the lab to apply hypermedia technologies to the analysis phase of decision making and problem solving. While the unit was technically functional, correctly interfacing with the lab's Macintosh' computer network, the user-computer interface was no better and in some ways worse than the hundreds of other available VCR interfaces, lacking features such as on-screen programming.

We decided that anything we could do would be an improvement over the current interface and began analyzing user interaction with the existing interface. As part of our analysis, we attempted to use scene and overhead cameras, as shown in Figures 1 and 2. (Figures 1 and 2 omitted) Finding the 'talking-out-loud protocol supplemented with video images' approach unsuitable for eliciting user comments and even determining what buttons were pushed, we began to develop the CISP-Tool with an eye toward creating a solution permitting a general approach to these difficult problems. VCRs have limited interaction modes; most user actions consist of pushing buttons. Limited interaction modes made it easy to develop a storyboard for this prototype.

The CISP-Tool is an extension of Apple's HyperCard(TM), offering a series of features built on top of the standard HyperCard capabilities. (HyperCard--bundled as an extension of the Macintosh system software--is typically described as a multimedia-based personal tool kit offering a scripting language and a UI metaphor consisting of buttons and text fields, most commonly represented as 3-by-5 note cards.) By building on HyperCard we can use external commands and functions to extend possible user interaction modes beyond button pushing--allowing developers to create fully functional interfaces such as the one we created for the PC-VCR.

INTERFACE DEVELOPMENT USING DOMAIN-SPECIFIC BUILDING BLOCKS

The more users can work with familiar objects the better they will be able to relate to the development process. CISP supports collaborative interface development by permitting the user to combine building blocks made of

domain-specific objects. Figure 3 shows a sample building block, switches used to move between system states such as "power on/off," "s-vhs on/off," and "record speed fast/slow." (Figure 3 omitted) The lower part of the illustration represents the VCR control panel and the upper part represents the VCR display panel. As the switch is turned on and off, the display changes accordingly. Typically, this type of building block is created in HyperCard using multiple button and text fields. CISP permits developers to deal with these separate objects as a single composite object. Switch objects (and others) can be duplicated using a single copy/paste operation and, if necessary, modified afterward. It can be moved around the screen as a unit using keyboard adjuncts.

The lower part of Figure 4 represents the VCR control panel, while the upper part represents the VCR display panel. (Figure 4 omitted) The figure shows two sets of domain-specific building blocks. Users can set the day of the week by clicking the button corresponding to the correct day and the display changes accordingly. The time control can be set by first clicking the 'time' button and subsequently clicking the 'up arrow' or the 'down arrow' buttons.

Using a single menu selection CISP offers the possibility of altering the display panels and control panel styles. Figure 5 illustrates how the day of the week alternatively can be set by first clicking the 'day' button and subsequently clicking the 'up arrow' or the 'down arrow'. (Figure 5 omitted) Users and developers can rapidly evaluate the effectiveness of different combinations during design sessions. Again these building blocks were created from collections of buttons and fields--standard HyperCard objects. Additional building blocks of this type can be created with copy/paste and subsequent labeling operations aided by a dialog box. These individual display objects can be manipulated as a single object once an initial configuration has been selected.

An additional concept illustrated in Figures 4 and 5 is use of the gray shade. Gray shades emulate the use of plastic covers on VCR interfaces used to reduce interface complexity by hiding panels controlling more complex features. Users can reduce clutter by determining how much, if any, of the interface features are "hidden" by the gray shade permitting developers to quickly modify the level of interface complexity. In this way, the CISP-Tool encourages rapid generation and efficient evaluation of a large number of completed, or partially completed, potential design alternatives.

SUPPORT FOR INTERFACE USE, EVALUATION AND MODIFICATION BY USERS

Current prototyping tools do not provide much support for system use and evaluation. HyperCard's inherent ability to mimic other interfaces makes it an ideal base for adding application-specific functions via externals enabling the creation of evolutionary prototypes 9!. This allows the user to interact with and evaluate a close surrogate of the system under development in order to quickly 'get a feel' for it. CISP is capable of

capturing and reproducing user actions as they interact with the storyboard. At the same time it eliminates one of the most glaring defects in our video capture process--identifying the specific buttons the user actually pushed during evaluation sessions. (Button selections were not clear even when user comments were added to the videotape.) By recording and 'transcribing' actions and permitting 'slow motion' replay of the user interaction, CISP provides users and developers the opportunity to play back and evaluate the actual rather than the hypothesized user-system interaction.

RELATED APPROACHES

There were three primary inspirations to the development of CISP. Each is discussed in the following paragraphs.

TRILLIUM. Trillium is a computer-based environment for designing interfaces for machines such as copiers and printers 12!. We adopted a key Trillium philosophy: reducing the impact of the use-evaluate-modify cycle by offering developers use of an interactive interface construction kit. Trillium is an industrial design environment, while CISP is in the experimental stage. CISP expands the Trillium concept in two directions: first, it seeks to reduce the amount of programming required by substituting direct manipulation techniques such as clicking, dragging, and copy/paste. Second, Trillium is a tool for software developers. We suggest an expanded role for this kind of tool: to be used by end users working in conjunction with developers as the requirements for the product are being developed.

THE SCANDINAVIAN APPROACH. In the Scandinavian countries, a long standing tradition of focusing on end-user's needs and situation requirements emphasizes ideals such as "quality at work" and "workplace democracy" 2!. Research results of the 1980s included such concepts as "creating a design situation with similarity with the future use situation," "taking practice seriously," and "from human factors to human actors," (see 10, 11!). Inspired by research such as the UTOPIA project 4! and the COOP project, one of the promising paths currently being investigated has end users actively taking part in design by applying a cooperative prototyping approach. According to Bodker and Gronbaek, a major obstacle is the developer's limited ability to respond smoothly to user ideas or requests for prototype changes during design sessions 6!. Joint, cooperative development of the prototype permits users, as domain experts/lay developers, and professional developers to each contribute their knowledge to prototype development tasks. Building on cooperative development aspects of the Scandinavian approach, CISP seeks to further explore the potential resulting from combined user/developer abilities to manipulate computerized domain-specific building blocks during prototyping activities.

PICTIVE. Also inspired by the Scandinavian approach, PICTIVE (Plastic Interface for Collaborative Technology Initiatives through Video Exploration) is a participatory design (PD) technique combining the use of 'low tech' objects with video recording technology to increase end-user participation in system design; improve developers' ability to collect information about the use of the proposed system; and improve the sense of

"design ownership" of the final of "design ownership" of the final product 14!. Major design components are literally made out of plastic and are thus seen by the users as malleable and adaptable. End users prepare and participate in job and task scenarios when they use the plastic components to evaluate aspects of the system development. CISP expands two aspects of PICTIVE: first, offering computerized building blocks to increase active user participation, and second, offering the possibility for users to evaluate use in context of the system being built.

THE CISP TECHNIQUE

Besides facilitated iteration, the CISP approach to interface development involves five specific techniques that function to complement existing prototyping strategies. Each is examined in the following paragraphs.

REALISTIC PROTOTYPE 'LOOK AND FEEL'. As stated previously, all of the user actions can be recorded, stored, and played back for later discussion between users and developers. This created a more realistic evaluation situation without the need for "think-out-loud" techniques. Instead, more realistic evaluation sessions permit more accurate assessments to be made of user-prototype interaction. Figure 6 shows the storyboard prototype for the NEC PCVCR created using CISP. (Figure 6 omitted) The upper half of the storyboard represents the display panel and the lower half represents the two panels with the various buttons and switches. The third section of the storyboard records the target of each button selection and provides additional space for user/evaluator comments as described in the previous section. (For more detail see our chapter in 13!.) Since we chose not to simulate the television monitor, we asked users to perform tasks in which it was not essential. User interaction with the storyboard was evaluated as

users attempted specific tasks. Replaying the actions of each user during subsequent analysis permitted the developer to ask questions such as: "I notice that when you were trying to set the clock you clicked twice on the timer button--was there some confusion there?" (An enhancement to CISP would involve user ability to add voice annotations to the storyboard.)

The

results of this analysis helped us to better understand the actual effectiveness of the proposed interface design solutions.

INTERACTIVE MODIFICATION. Because the composite domain-specific building block can easily be copied and moved around as a single object, CISP enables users and developers to interactively and collaboratively modify the storyboard in real time. This is accomplished by dragging controls and displays to different locations (responding to comments such as "How about if we move that switch over there?"), duplicating existing screen objects ("Can you make this function react like that one?"), and creating new objects ("This function really shouldn't be lumped together with those controls!").

GENERATING AND COMPARING DESIGN ALTERNATIVES. An essential part of CISP is to generate and compare several completed, or partially completed, potential development solutions, analyzing the trade-offs made in each potential solution. Consider an information display-oriented interface such

as a monitoring/reporting system for a vehicle. Various types of user evaluation can be conducted to determine the effectiveness of alternative display modes during user evaluation sessions. A single user can interact

with a whole series of development alternatives and then choose the screen display elements producing the "best" information display. Another use of this facility could be the development of a "creativity audit trail"--an automated means of tracking the way in which new solutions are created without having to interrupt the creative process.

CREATION OF FAMILIES OF SYSTEMS. CISP facilitates the creation of families of systems in which all systems share several core components but differ slightly from one another in other respects (consider real-time command and

control systems such as those being created for the NASA Space Station Freedom Project). This is accomplished by constructing the storyboard of common composite objects and introducing slight variations. Another example

could be a real estate multiple-listing system that needs to be customized for each individual county because of particular local reporting requirements. Systems for counties needing specific groups of information could also be prototyped using this theme and variations approach, having each prototype start with the core screen elements and then adding group 'X' objects in response to type X requirements, for example.

REALISTIC INTERFACE/PROTOTYPES. By building on the existing HyperCard/SuperCard strengths, CISP users are able to interact with realistic prototypes and get a feel for the system being developed. This includes the ability to use interface components such as sliders, switches,

and other types of specialized controls. CISP-Tool can be used to create and evaluate specific UIs, responding to conditions such as low light or presentation of highly complex information. This approach to prototyping is

not unique--Figure 7 illustrates a realistic prototype interface for a Hewlett-Packard 12-C calculator created using a 'calculator construction set' and placed on a freeware disk. (Figure 7 omitted)

INITIAL RESULTS/EXPERIENCES

To evaluate the effectiveness of the CISP approach, we repeated the series of exercises conducted using the 'talking-out-loud protocol, supplemented with video images' approach previously mentioned. We evaluated tasks, including several variations of taping programs and controlling the playback of taped programs. After this evaluation we decided to ask volunteers to: 1) set the VCR clock to the current time and 2) program the VCR to record a segment from a particular channel. We explained the two tasks to each volunteer, provided a copy of the operating manual and left them alone as they attempted to complete the tasks.

We evaluated the attempts of 10 student volunteers from the Masters in Software Systems Engineering program at George Mason University, who joined us in the Hypermedia Technologies Laboratory for the evaluations. All but one of these students completed the two tasks, the average taking 15 minutes and longest taking 45 minutes. Half of the student volunteers used the documentation supplied with the PC-VCR to aid in task completion. As each student volunteer clicked on buttons, attempting to get the VCR to perform desired operations, the CISP-Tool recorded the name of each button selected by the user. After completion of each attempt we used the CISP-Tool to produce a HyperCard stack capable of physically reproducing

each mouse click. That is, the tool created a HyperCard stack with a card corresponding to the location of each mouse click. As we "page" through the stack from card to card, the tool indicates the name and location of each mouse click. By selecting an additional option, we can have the results of each individual click performed by the tool. For example, moving from one card to the next would show the student volunteer clicked on the "Time" button and the tool would send the VCR the instructions to react as if someone had pushed the "Time" button on the VCR. This enabled us to recreate and play back the student volunteer's interaction with the VCR interface with the user present, so we could more carefully study the interaction.

To analyze user interaction, we used CISP capabilities to play back the solution executed by the user. We asked the users to 'walk us through' the various keystrokes representing their path through the interface. The combination of the button names presented in context with the appropriate interface response seemed to prompt the memory of many users, who were able to describe what they were considering as they tried to complete the tasks. Their comments were recorded on a comment field provided below the interface shown in Figure 6.

For the final third of each protocol, the users were shown how to use the CISP-Tool features, permitting them to modify the interface. Then they were invited to make any changes they desired to the interface. With assistance from the authors, users rearranged button clusters, added graphics, eliminated comment fields, and made a number of other modifications to the original NEC interface to the PC-VCR. Analysis of these experiences has permitted us to identify some promise and problem associated with CISP.

PROMISE

Though more effort is needed to make the domain-specific building blocks, nonetheless a significant work-load savings was achieved by using CISP to create prototype interfaces of how an improved system might look. The effort reduction seems to be particularly applicable to the development of families of systems. For instance, building the switch shown in Figure 3 from scratch requires numerous switches between the HyperCard tools and a number of other actions to make each element separately. Our environment has reduced this task to a single copy/paste operation. Similarly, the ability to move composite objects without the HyperCard grouping tool is a noticeable improvement. Features such as these make it significantly easier to build and modify multiple development alternatives. Users and developers particularly liked the ability to replay the session for subsequent evaluation. A typical reaction from a user was "(without the replay facility) I wouldn't have been able to give as thorough comments."

PROBLEMS

Building our tool in HyperCard has provided us with a useful collection of interface components. But it was difficult to implement some data structures, and missing object-oriented features made it harder to create

and modify domain-specific building blocks. Aggregation of primitive objects such as buttons and field into composite objects, like switches, has been handled either by naming conventions or use of the ID numbers automatically assigned to objects by the HyperCard environment. Though easy to handle in small scale, the approach could become unwieldy if care is not taken during the scaling-up process. Another problem we have encountered is HyperCard performance. In a complex prototype such as Figure 6, performance was less than desirable on the top of the line Motorola '030-based CPUs. We believe that while some recoding could speed things up, there is no substitute for faster hardware.

CONCLUSIONS

We have two primary motivations for increasing the effectiveness of prototyping efforts: 1) to obtain more active/interactive user participation in the use, evaluation and redevelopment of storyboards, and 2) technological tool development to help shorten the use-redevelop loop used in many storyboarding efforts. In the ideal scenario, users and developers will be able to use the types of storyboarding tools we have presented in this article to interactively change storyboard elements and immediately try out their changes. We are continuing our efforts to enable users and developers to modify the storyboard while minimizing the amount of programming required.

Postscript: Recently the makers of the PC-VCR have ceased production of the unit for unknown reasons.

ACKNOWLEDGMENTS

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GENERAL TERMS: Design, Human Factors

ADDITIONAL KEY WORDS AND PHRASES: CSCW

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Its Master's Voice

Roth, Cliff

Dealerscope Merchandising v34n11 PP: 147-148 Nov 1992 ISSN: 0888-4501

JRNL CODE: DEA

DOC TYPE: Journal article LANGUAGE: English LENGTH: 2 Pages

WORD COUNT: 1296

COMPANY NAMES:

Voice Powered Technology International Inc (DUNS:62-215-0886)

GEOGRAPHIC NAMES: US

DESCRIPTORS: Product reviews; Video recorders; Product introduction; Voice communication

CLASSIFICATION CODES: 9190 (CN=United States); 7500 (CN=Product planning & development); 5250 (CN=Telecommunications systems); 8650 (CN=Electrical & electronics industries); 9120 (CN=Product specific)

ABSTRACT: Voice Powered Technology created the VCR Voice Programmer, which offers voice-controlled programming of VCRs. The unit also functions as a universal remote control, facilitating both voice and pushbutton command of the television, VCR, and cable box. The remote control unit is sleek, comfortable, and curvy. Just 13 buttons are visible, and a sliding cover reveals 13 more. Step one says to start by setting unit's internal clock. Step 2 of the setup is voice training. The final step in the setup procedure involves teaching infrared codes to the universal remote. For recording an individual program on a one-time basis, the system is easy and works reasonably well. For programming a show to be recorded on a weekly or daily basis, things are too complicated for a device that is supposed to

Comment [q8]: This one looks like it might be on target

simplify VCR programming. VCR Voice Programmer is a first generation product with is room for improvement.

TEXT: In the TV series Star Trek, all the computers are controlled by voice. In the future, according to conventional sci-fi wisdom, most man-machine (and woman-machine) interfaces will be conversational.

VCR Voice Programmer, created by a Canoga Park, CA-based company called Voiced Powered Technology, brings that day one step closer, by offering voice-controlled programming of VCRs. The unit also functions as a universal remote control, facilitating both voice and pushbutton command of the TV, VCR, and cable box.

Sound gimmicky? It is. But it's also a convenience, and addresses the real need that American consumers have for a simplified approach to VCR programming.

The black handheld remote control unit is sleek, comfortable, and curvy. There's a minimum of clutter--just 13 buttons are visible, and a sliding cover reveals 13 more.

SETUP AND VOICE TRAINING

No, the Voice Programmer will not stop the flashing "12:00" that one out of every two VCR households is estimated to still be displaying. But there's no need to set the VCR's clock when you have Voice Programmer. This unit has its own built-in timer system, capable of remembering up to 15 different events.

The instructions lead you through a series of separate brochures for setup, using the VCR Voice Programmer, and extra help. They're designed to look less complicated than a regular instruction manual, but amount to the same thing.

The first brochure tells you to start by setting the unit's internal clock, using some complicated button pressing. This is also my first complaint. Isn't setting the VCR's clock one of the main frustrations? The setup procedure would be better if you could set the clock by voice.

Anyway, step two of the setup is the fun part: Voice training. Press a button, and the unit displays a series of numbers and words. You say each one into the remote's microphone. The list is repeated once, and words that it's having trouble with are repeated again and again until it's happy with the consistency of the way you're saying them. One small note to the programmers: "Wednesday" was misspelled in the display.

The final step in the setup procedure involves teaching infrared codes to the universal remote. You place the remotes from the TV, VCR, and cable box behind the VCR Voice Programmer, pointing them into its rear end, and press

buttons corresponding to the display.

The whole procedure took me about 45 minutes.

FAST FORWARD, SESAME

Anxious to try it out, I eagerly began speaking into the microphone. There was no response. You have to first push a button to talk, and there are three different buttons, depending on what you want to do.

One button is for changing TV channels. Press it, say "two, three," and the

TV switches to channel 23. Usually. You have to pause for about half a second between the two digits, or it gets hopelessly confused. And you can't say "thirteen"--it must be stated as two numbers.

The second voice button is for controlling the VCR. Press it and say "play," and the TV is automatically instructed to change to channel 3, while the VCR starts playing. Say "zap it," and the VCR fast searches through a minute or two of commercials (depending on tape speed.)

The third voice-controlled feature is the best, and most important: VCR timer recording. You push the button, and the display prompts you to say the channel number, the start time, and the stop time. It's that easy. If it makes a mistake interpreting your voice, just shout "No!" and it will go back and try that entry again.

For recording an individual program on a one-shot basis, the system is easy and works reasonably well. On average, it correctly understood me about 80 percent of the time, and correcting mistakes was simple enough.

But for programming a show to be recorded on a weekly or daily basis, things get more complicated, way too complicated for a device that is supposed to simplify VCR programming. The VCR Voice Programmer should have taken a page from the VCR Plus playbook--with clearly labelled daily/weekly

buttons, or better yet, voice control. Instead, after you float effortlessly through the one-shot voice programming operation, there's a complex sequence of steps to make it a daily or weekly event.

The hidden buttons that are required for this are not labelled as such. It's explained in the advanced extra help manual--as if wanting to record a daily news program or soap opera is unusual.

Making matters even more confusing, before you can record a program daily, you must first arbitrarily pick a day, like Thursday. When you select the daily recording option later, Thursday becomes irrelevant.

For timer recording, you must remember to leave the VCR shut off, and leave the remote in a position where it can control the VCR. The unit has been cleverly shaped and weighted so it can be placed on top of a TV/VCR stand, and send its infrared sign also down to the equipment below.

One advantage of Voice Programmer over VCR Plus is its compatibility with

any wireless remote controlled cable box, regardless of manufacturer. Once you set it up to work with a cable box, the universal remote's channel buttons control the cable box, not the TV.

The voice training can be repeated for up to three other people, so that an entire household can enjoy voice control convenience. After intense negotiation, I convinced my reluctant wife to spend a couple of minutes training the unit. (I had to promise to clean.)

For the Voice Programmer the setup operation includes entering the names of the users, and a button selects which voice it responds to. Comprehension was slightly less accurate for her than for me. Out of curiosity, I attempted to voice command it while set for my wife's voice; comprehension dropped down to near zero.

My wife stared getting irritable when I repeatedly changed channels using voice commands. For most users, I think, the voice channel changing feature is a novelty that would wear off very quickly. The main use of the voice control is to program the VCR. (On the other hand, for those who already drive their spouses crazy with trigger happy remotes, this is the ultimate torture toy.)

CONCLUSION

Consumers shopping for a device like this will inevitably be making comparisons with the VCR Plus. Overall, the VCR Voice Programmer is more versatile, since it also functions as a universal remote. And it has the advantage of not requiring newspaper listings with code numbers.

VCR Voice Programmer is a first generation product, and there's room for improvement. For the time being, we'd recommend this product to customers who want to program their VCRs to record individual movies and events.

The makers of Voice Programmer are direct marketing it through a television infomercial, and say they will make it available through retail channels soon. At three times the price of VCR Plus, the Voice Programmer is an expensive alternative. But it is more universal, and arguably easier to use. George Bush once pledged that by the time he left office, he wanted every American to be able to program his or her VCR. Perhaps that campaign promise can still be kept.

TECHNICAL SPECIFICATIONS

VCR Voice Programmer

MANUFACTURER: Voice Powered Technology 19725 Sherman Way Canoga Park, CA 91306 800-788-0800

LIST PRICE: \$149 (direct-marketing)

DIMENSIONS: 8" X 2.5" X 1.6"

WEIGHT: 8.1 oz. (including four AA batteries)

BATTERY LIFE: Approx. 6 to 9 months

VOICE COMMANDS: 31 words and phrases

USERS: Up to four different voices

UNIVERSAL REMOTE: Channel up/down, volume up/down, TV/VCR, TV/VCR/cable box power, stop, play, pause, fast forward, rewind, record. Can control two different systems of TV/VCR/cable box combinations (such as bedroom/living room.)

TIMER: 16 events--one shot, daily, or weekly.

OVERALL PERFORMANCE: Good, but quirky

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COST

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13oct05 13:50:38 User732053 Session D438.3
    $0.02  0.016 DialUnits File148
      $0.00 10 Type(s) in Format  8
      $0.00 10 Types
$0.02 Estimated cost File148
    $4.05  2.702 DialUnits File15
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      $0.00 10 Type(s) in Format  8
      $0.00 4 Type(s) in Format  9
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$1.80 INTERNET
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 **HIGH BEAM** It's said that the single most frequent failure in the history of forecasting has been grossly underestimating the impact of technologies. Perhaps nowhere is this more true than for the PC. Th

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The lazy days of summer have already arrived for some homeowners. They don't have to check on the laundry. A machine does. The wine chiller in the attic nags them, via e-mail, when a bottle is get

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