

SWRB PHD KNOWLEDGEBASE SOFTWARE TUTORIAL & USER GUIDE

Welcome to this tutorial and user guide to the SWRB KnowledgeBase Software that comes with both the original USB-Based Puritan Hard Drive and the new On Demand Edition. We will note the few interface differences between the two editions of the software.

In this tutorial, we will demonstrate both the power and ease of use of this critically acclaimed software. We will be using the Mac version of the KnowledgeBase software in this Tutorial. In every important aspect, the software is identical in appearance and functionality in the Mac and Windows versions. Any perceived differences are due to the way applications natively behave on the two different operating systems and the file extensions for application executables (see below). For example, on the Mac the application Main Menu appears on the top of the Mac display, whereas on Windows the application runs in its own dedicated window with the Main Menu at the top of that window.

LAUNCHING THE PHD KNOWLEDGEBASE SOFTWARE

MAC VERSION

To launch the Mac version of PHD KnowledgeBase Software, double click on the application executable file “PHD KnowledgeBase Application.app” (depending on your Finder settings, the extension “.app” may not be visible in the Finder files listings), which is located in the Puritan Hard Drive directory tree (Figure 1).

Name	Date Modified	Size
▼ Puritan Hard Drive	May 8, 2012 7:31 PM	--
▼ Apps	May 8, 2012 7:31 PM	--
Downloading SWRB Master Index Files.html	May 5, 2012 4:16 PM	9 KB
How to Find Specific...Searchable Books.pdf	Jan 16, 2011 8:21 AM	903 KB
▼ PHD KnowledgeBase Application	Today 10:42 AM	--
▶ Extensions	May 8, 2012 7:31 PM	--
FMP Acknowledgements.pdf	May 8, 2012 1:24 PM	141 KB
▶ PHD KnowledgeBase Application.app	May 8, 2012 1:24 PM	91.6 MB
▶ PHD KnowledgeBas...-Demand MAC.USR	May 24, 2012 11:52 PM	497.5 MB
ReadMe.txt	Apr 1, 2012 3:02 PM	960 bytes
▶ MP3	May 8, 2012 7:31 PM	--
▶ PDF	May 23, 2012 12:42 PM	--
▶ WMV	May 8, 2012 7:31 PM	--

Figure 1: PHD KnowledgeBase Application Executable in PHD Directory Tree (Mac Version)

WINDOWS VERSION

To launch the Windows version of PHD KnowledgeBase Software, double click on the application executable file “PHD KnowledgeBase Application.exe (depending on your Windows Explorer settings, the extension “.exe” may not be visible in the Explorer files listings), which is located in the Puritan Hard Drive directory tree (Figure 2).

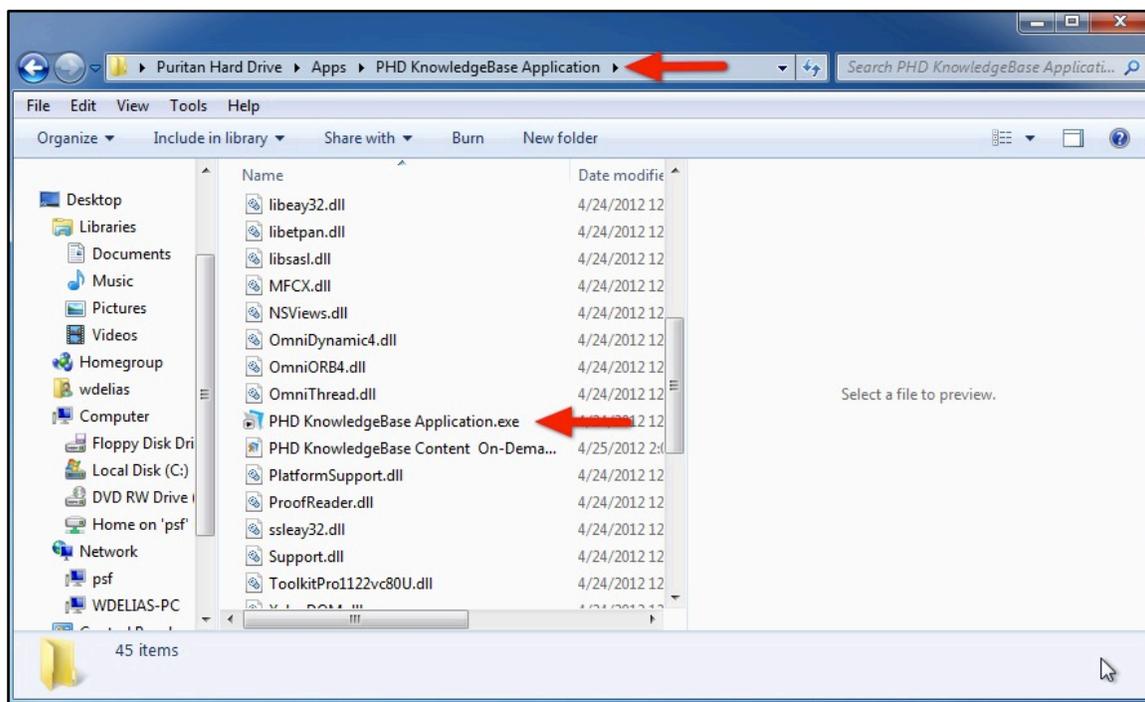


Figure 2: PHD KnowledgeBase Application Executable in PHD Directory Tree (Windows Version)

MAIN MENU

We'll begin with a tour of the Main Menu, which appears when the PHD KnowledgeBase Application is launched.

The File dropdown Menu (Figure 3) contains options for page setup for your printer, printing reports (resource details, lists, etc), backing up the current knowledgebase file, testing the connection to the PHD-ODE server from which resources are downloaded [PHD-ODE only], displaying the welcome window and finally safely exiting the application.

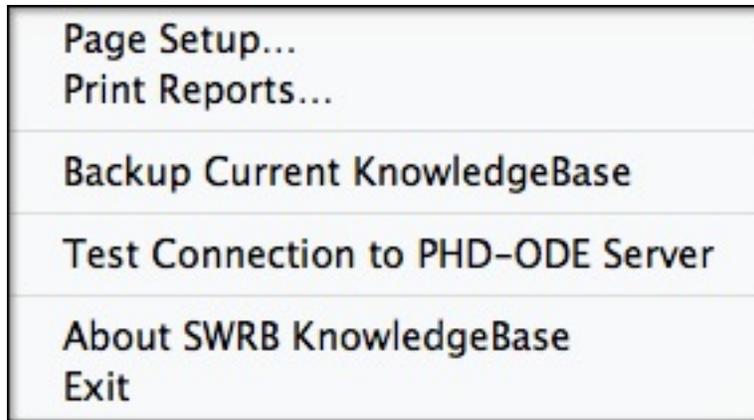


Figure 3 - Main Menu: File Dropdown Menu

This last option will require confirmation that the user wants to end the program, giving the user the opportunity to save any changes made to the KnowledgeBase that haven't already been saved. If the user exits the application using the "Quit PHD KnowledgeBase Application" on the system menu "PHD KnowledgeBase Application", the program will terminate immediately without an opportunity to save work in progress. Always terminate the application using the Exit options to avoid corrupting the KnowledgeBase file. This includes allowing the computer to "sleep" while the KnowledgeBase application is still running.

Every time the application is launched, it will automatically check the KnowledgeBase file to be sure it was not damaged by an improper shutdown. If the application finds the KnowledgeBase to be in an inconsistent state, it will attempt to restore it. If a message displays indicating that the application is checking the file's consistency, the operation should be allowed to run to completion without interruption. If the file cannot be restored, our support department should be contacted for further assistance.

As with other software applications, the best insurance against data loss due to damaged or corrupted files is to periodically backup the changed file(s). The aforementioned backup option on the File dropdown menu can be used to save a copy of the current KnowledgeBase file.

The Edit dropdown menu (Figure 4) contains options for editing notes and comments that the user may add to the KnowledgeBase.

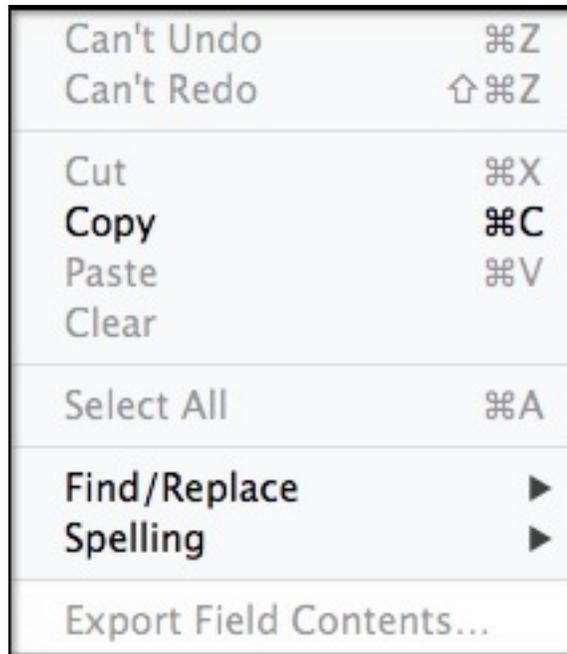


Figure 4 - Main Menu: Edit Dropdown Menu

The View dropdown menu (Figure 5) contains options to display detailed listings of the 12,500+ PHD resources, organized by media type. The last option will display a detailed listing of all the resources that have been downloaded and currently reside on the local hard drive [PHD-ODE only].

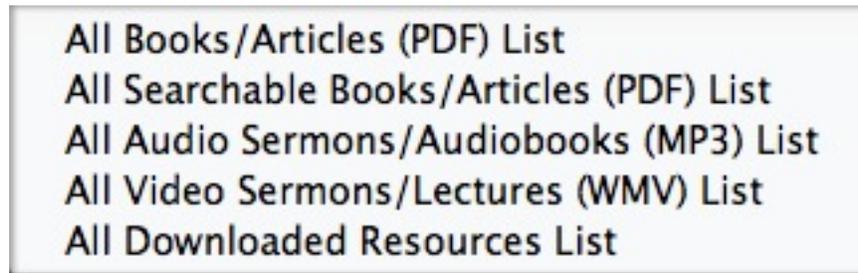


Figure 5 - Main Menu: View Dropdown Menu

The Search dropdown menu (Figure 6) provides an option to initiate a new search of the KnowledgeBase. Many other system windows have a Search button as well. Clicking on that button in a Search Results window will allow the user to initiate a new search or search within the results already contained in the window, a process called “drilldown” that we’ll discuss in detail later in this tutorial.

Start New Search

Figure 6 - Search Dropdown Menu

The Saved Search Results Sets dropdown menu (Figure 7) provides an option to display and manage a collection of all Search Results Sets that have been created and are currently stored in the KnowledgeBase. These sets allow the user to access Saved Search Results Sets in an efficient and easily manageable way.

Display and Manage Saved Results Set...

Figure 7 - Main Menu: Saved Search Results Sets Dropdown Menu

The Saved Search Results Set Lists dropdown menu (Figure 8) has an option to display and manage a collection of lists of Saved Search Results Sets. These lists allow the user to organize many Saved Search Results Sets in a meaningful manner.

Display and Manage Saved Search Result Set Lists

Figure 8 - Main Menu: Saved Search Results Set Lists Dropdown Menu

The PDF Resource Sets dropdown menu option (Figure 9) provides an option to display a listing of pre-defined sets of PDF resources, organizing more than 1,700 books and articles in 333 easily accessible sets.

Display PDF Resource Sets

Figure 9 - Main Menu: PDF Resource Sets Dropdown Menu

The Favorites List dropdown menu option (Figure 10) opens a Favorites List window that allows the user to manage the resources that have been added to this list. This list is used as a convenient place to reference resources that have been identified for future study.

Display Favorites List

Figure 10 - Main Menu: Favorites List Dropdown Menu

The Tutorial Videos and Software Updates dropdown menus (Figures 10 & 11) provide options to display in the default browser web pages on PuritanDownloads.com containing tutorial videos for viewing as well as information on the availability of updates for the KnowledgeBase software.

Access Online Video Tutorials

Figure 11 - Main Menu: Tutorial Videos Dropdown Menu

Check for KnowledgeBase Software Updates

Figure 12 - Main Menu: Software Updates Dropdown Menu

The Glossary dropdown menu option (Figure 13) displays a tabbed window with short explanations of the key concepts of the SWRB KnowledgeBase application.

Display Glossary of SWRB KnowledgeBase Key Concepts

Figure 13 - Main Menu: Glossary Dropdown Menu

PHD KNOWLEDGEBASE SOFTWARE ON THE PHD-ODE

The essential difference between the original Puritan Hard Drive and the lower cost, more affordable Puritan Hard Drive – On Demand Edition is that the former comes delivered with 12,500+ resources and the KnowledgeBase software on a USB external hard drive and the latter is fully downloadable from the Internet. The PHD-ODE KnowledgeBase Software is downloaded as a single archive zip file (Mac version) or self-extracting archive executable (Windows version).

Once the ultra-simple installation process is completed and the software installed on the user's computer's internal hard drive, external hard drive, or even on a flash drive attached to that computer, the PHD-ODE user can download from the PHD-ODE server individual resources as they are referenced in the locally stored KnowledgeBase, no matter where that user resides in the world. If the available free hard drive space is at a premium, unwanted resources can be deleted to make room for others. Deleted resources can always be re-downloaded at another time, if so desired. All downloaded resources are always accessible even when not connected to the Internet.

PHD-ODE DOWNLOAD PROCESS

Let's see just how easy and seamless the download process really is.

In this tutorial, we are using a newly installed PHD-ODE so no resources have yet been downloaded. If we go to the View dropdown menu discussed previously and click on the "All Downloaded Resources List", an empty listing window will be displayed and a message dialog box will appear informing us that "There are no currently downloaded resources" (Figure 14).

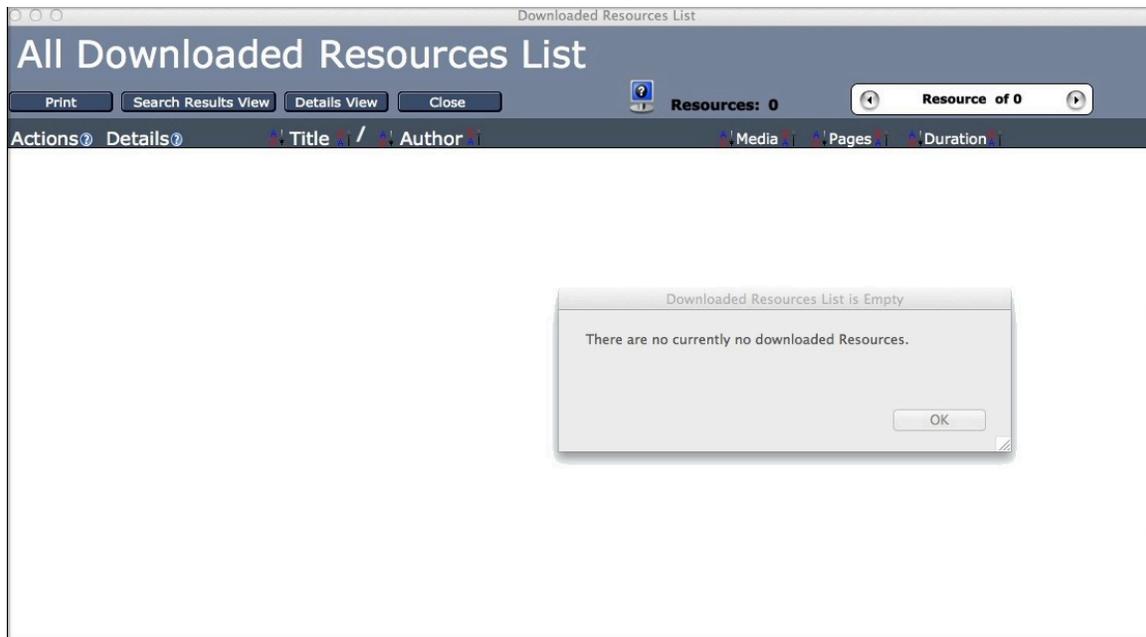


Figure 14 - Empty Downloaded Resources List

We'll return to the View dropdown menu and select the option "All Searchable Books/Articles (PDF) List" (Figure 15). We will go to a listed resource and attempt to open it in our default PDF application. According to the information shown in the File Details section of the tabbed panel, the resource is not on the drive. The label "On Hard Drive" displays a "No". To the right of this label is a light orange button with the somewhat faded text that reads "Delete This Resource From the Hard Drive". This button is currently disabled because the resource doesn't reside on the hard drive.

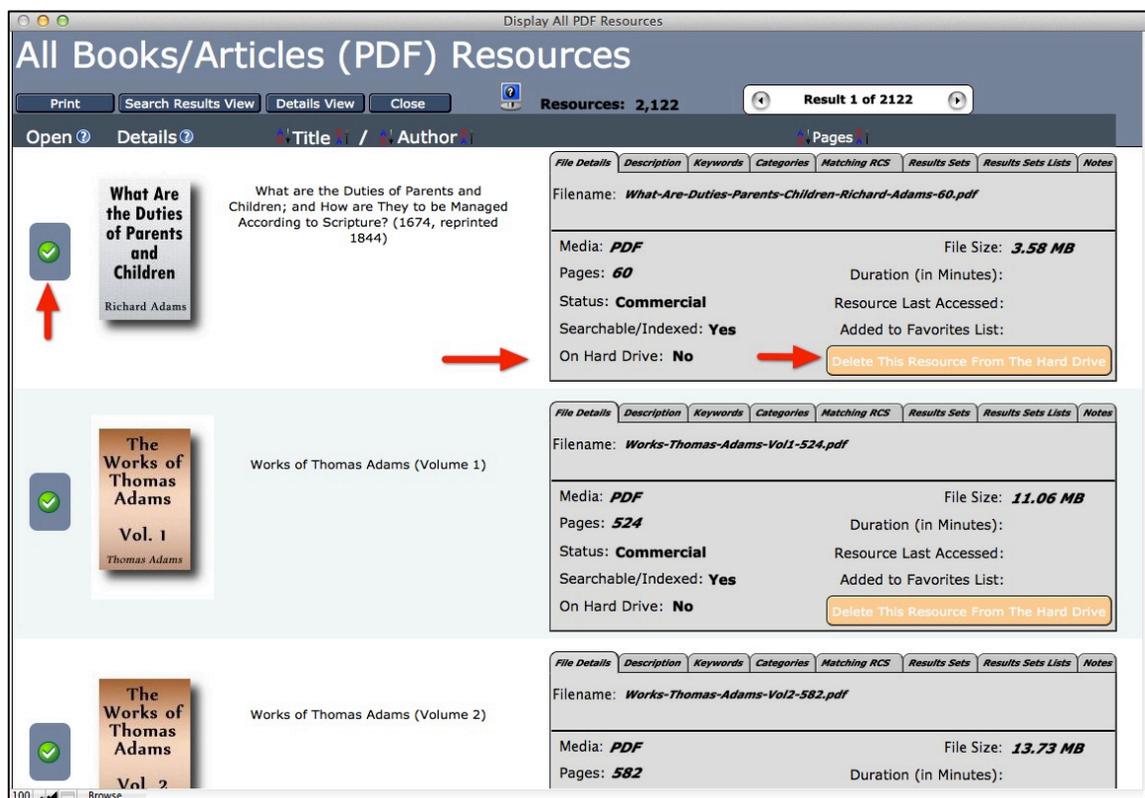


Figure 15 - PHD-ODE Interface Elements

When we click on the “Open Resource” checkmark button the software will double-check if the resource is currently stored on the hard drive. Since it doesn’t find the resource, it immediately connects to the PHD-ODE server and initiates the download process.

A dialog box with a progress bar appears and displays a visual representation of the downloading activity (Figure 16) . In just a few moments, the download is finished and the resource appears in the default PDF application. The duration of the download process will depend on the speed of your Internet connection, the size of the resource file and the current volume of traffic on the Internet.

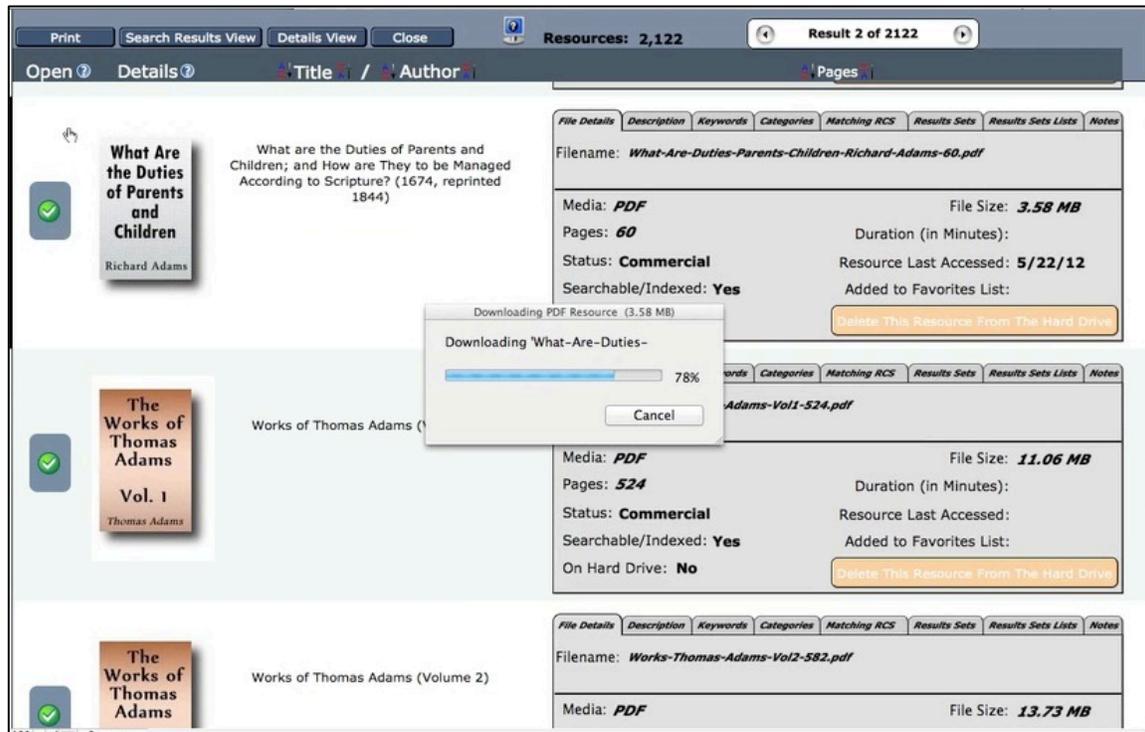


Figure 16 - PHD-ODE Downloading Resource

If we look again at the File Details panel we should notice two changes have occurred (Figure 17). The “On Hard Drive” label now displays “Yes”, indicating that the resource has been successfully downloaded and stored in the PDF folder in the Puritan Hard Drive directory tree. Additionally, the previously orange colored “Delete” button has changed to a blue color and its text is displayed in bright white. Clicking on this button will delete the resource from the hard drive, but as mentioned earlier, the resource can always be re-downloaded when the user desires.

The screenshot displays a web application window titled "All Books/Articles (PDF) Resources". At the top, there are navigation buttons: "Print", "Search Results View", "Details View", and "Close". A status bar indicates "Resources: 2,122" and "Result 1 of 2122". Below this, there are tabs for "Open", "Details", "Title", and "Author". The main content area lists three resources, each with a thumbnail, title, author, and a detailed information panel. The first resource, "What Are the Duties of Parents and Children" by Richard Adams, has a file size of 3.58 MB, 60 pages, and is marked as "Commercial" and "On Hard Drive: Yes". A red arrow points to the "Delete This Resource From The Hard Drive" button. The second resource, "The Works of Thomas Adams (Volume 1)", has a file size of 11.06 MB, 524 pages, and is marked as "Commercial" and "On Hard Drive: No". A red arrow points to its "Delete This Resource From The Hard Drive" button. The third resource, "The Works of Thomas Adams (Volume 2)", has a file size of 13.73 MB and 582 pages. The interface also includes a "Browse" button at the bottom left.

Figure 17 - Interface Changes After Downloading Resource

If we return to the Main Menu and select from the View dropdown menu the option “All Downloaded Resources List” (Figure 18), we now see that the resource we have just downloaded has been added. The list provides an easy way to view in one place all downloaded resources that are currently stored on the local hard drive.

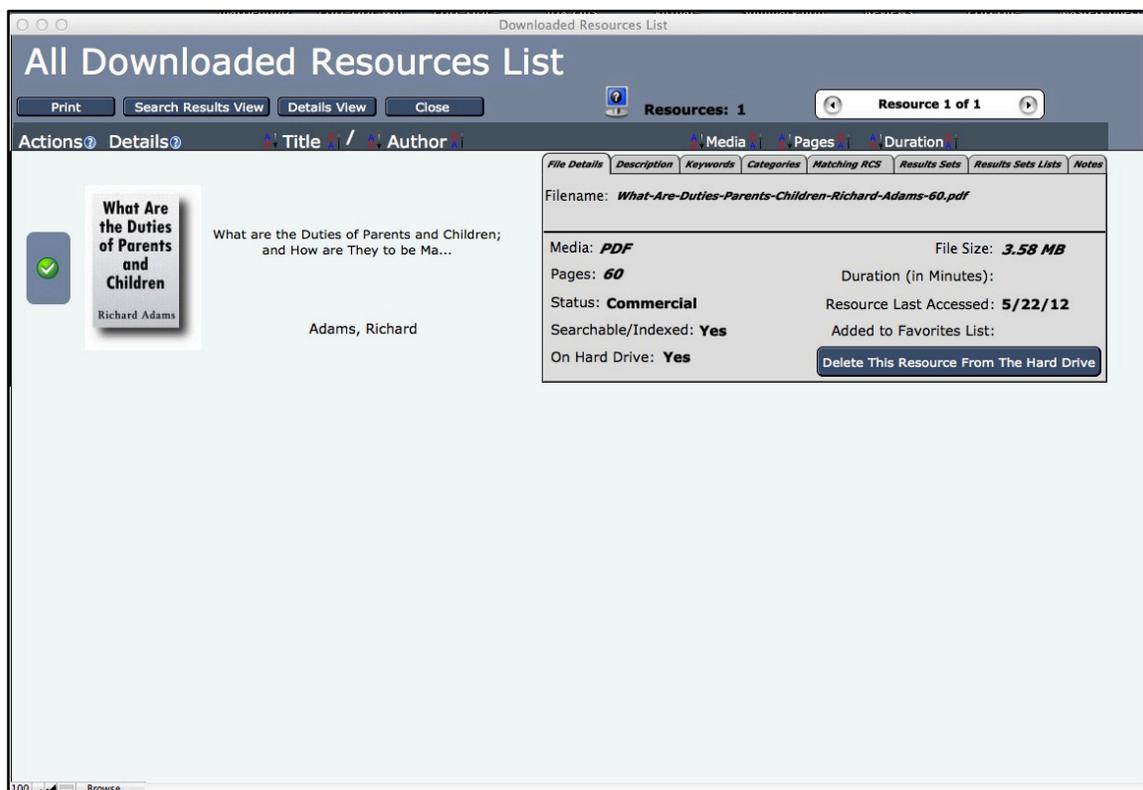


Figure 18 - Updated Downloaded Resources List

And that is all there is to downloading resources from the PHD-ODE server. As long as there is an active Internet connection available, the user is only a click away from accessing the 12,500+ resources in the Puritan Hard Drive collection.

THE SEARCH PROCESS

As noted above, the Puritan Hard Drive is a massive collection of more than 12,500 PDF, MP3 and WMV resources. Search is the principal process used to locate resources of interest to the user. To initiate a “New Search”, we can click on the “New Search” dropdown menu option and click on the “Start New Search” option.

A dedicated Search window (Figure 19) will open to facilitate locating resources based on a variety of resource attributes such as Author, Title, Category, Description, Media Type, and so forth. This default search panel allows the

user to enter one or more attributes to be matched simultaneously. When entering multiple search attributes in a single query, a particular resource must match ALL the attributes entered in order for that resource to be returned in the Search Results Set. Accordingly, we recommend that the user only enter multiple attributes when looking for a very specific resource with a fair amount of confidence that all the attributes entered are correct. Because the user has the ability to “drilldown” or refine the search results through subsequent queries against the previous returned search results set, it is not necessary, indeed it is often counter-productive, to use multiple attributes in a single query.

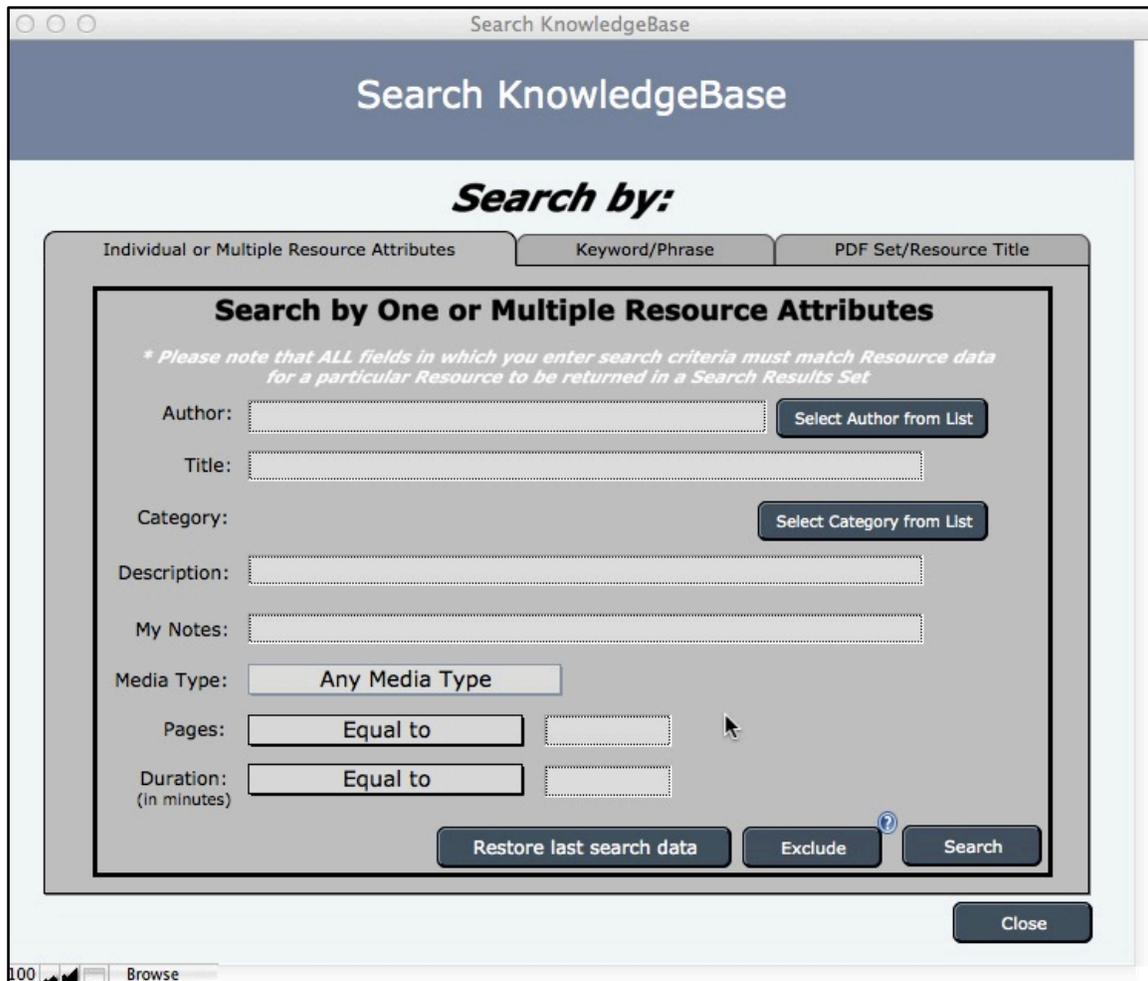


Figure 19 - Search KnowledgeBase Window

The following example will illustrate how to use this powerful search functionality to achieve the best possible results.

Suppose the user is interested in finding resources in the category “Calvinism and The Sovereignty of God”. Going to the already opened “Search KnowledgeBase” tabbed panel window, click on the “Select Category from List” button to display the “Select Category for Search” dropdown list (Figure 20). Click on the category title “Calvinism and The Sovereignty of God”. The category list will close and the selected category will be entered in the search panel. If we had wanted only those resources in this topic by a particular author, we could have clicked on the “Select Author from List” button to choose the author we are interested in. This would have returned a search results set with only those resources, if any, that matched both the author name and the selected category topic. But since we are interested in first looking at all the resources in this category, we have not included an author’s name in this initial query.

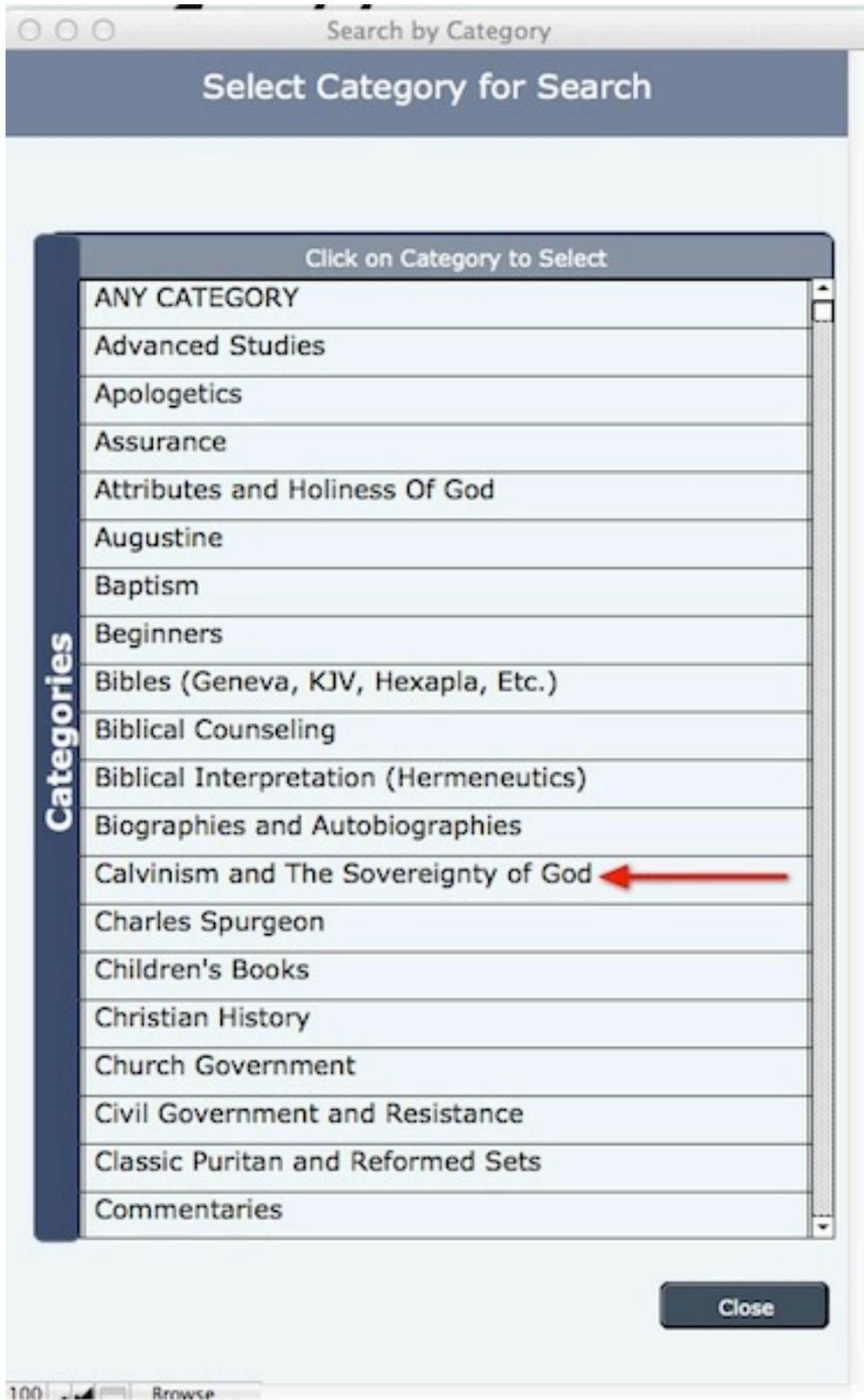


Figure 20 - Select Category for Search Window

We will now click on the Search button to initiate our query. Virtually instantaneously, a Search Results window (Figure 21) will appear with a listing of 1,840 resources, in alphabetical order by the resource author's last name. Since this is probably the most often used window in the KnowledgeBase application, let's take a closer look at the information and functionality provided here.

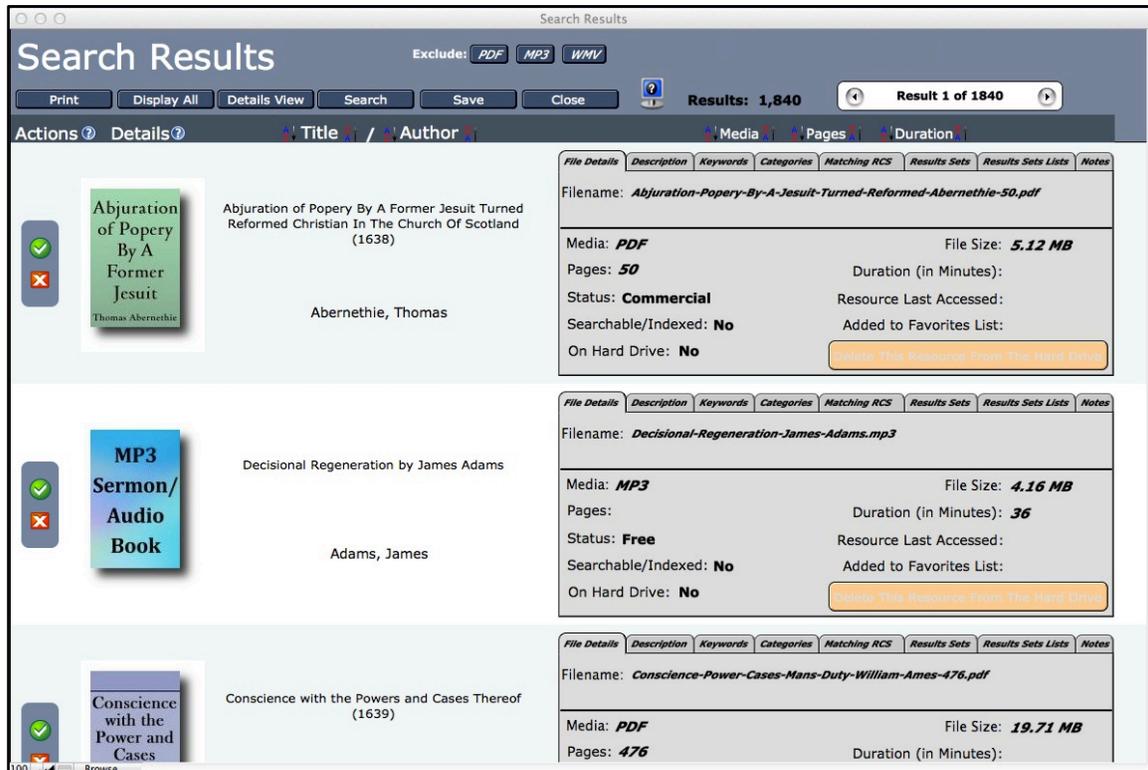


Figure 21 - Search Results Window

SEARCH RESULTS WINDOW

The Search Results window is divided into two main sections. The top section (Figure 22) contains a set of buttons providing access to the following functionality:

- “Print”: print a listing of all the resources in this Search Results window
- “Display All”: add all resources in the PHD collection to this listing
- “Details View”: open a “Resource Details” window for all resources in the Search Results window (more on the “Resource Details” view further on in this tutorial)
- “Search”: initiate a new search of either the entire KnowledgeBase or just the subset of the KnowledgeBase contained in this Search Results Set
- “Save”: save this set of results for further research
- “Close”: close this Search Results window



Figure 22 - Search Results Window - Top Section

To the right of these buttons is a monitor icon with a question mark in the center. Clicking on this button will open in the default browser a section of the PuritanDownloads.com website with tutorial videos on using the PHD software.

The next item in this row displays the number of resources in this listing.

At the end of the row is a navigation button set. Clicking on the buttons with arrows will move the row marker (a thin black line at the very beginning of the resource listing row) to the next or previous resource. The button with the left pointing arrow moves the row marker up one resource towards the top of the listing. The button with the right pointing arrow moves the row marker down one resource towards the bottom of the listing. When a listing contains hundreds or even thousands of resources, the navigation button set provides a

helpful numerical representation of where in the results set the resources currently displayed are situated.

Above these buttons is a row of three buttons corresponding to the media types included in the PHD resource collection. This allows the user to exclude a particular type of media, for example, audio MP3 resources, from this Search Results window. Selecting a particular Media Type in the original query would have returned only matching resources of the designated type.

Let's take a look at what's presented in the other main section of the Search Results window (Figures 23 - 25). This section displays the listing of resources returned by the last query. Moving from left to right, we see a set of vertically arranged buttons under the heading, "Actions". The top button has a white checkmark within a green circle. This is the "Open Resource" button. Clicking on this button will open the resource in its appropriate reader/player depending on the resource media type.

The screenshot displays the bottom section of a search results window. It features three resource entries, each with a thumbnail, title, author, and a detailed information panel. The top entry is a PDF document titled 'Abjuration of Popery By A Former Jesuit' by Thomas Abernethie. The middle entry is an MP3 audio sermon titled 'Decisional Regeneration by James Adams' by James Adams. The bottom entry is a PDF document titled 'Conscience with the Powers and Cases Thereof' by William Ames. Each entry includes a 'File Details' tab and a 'Remove This Resource From The Hard Drive' button.

Thumbnail	Title	Author	Media	File Size	Pages	Duration (in Minutes)	Status	Searchable/Indexed	On Hard Drive
	Abjuration of Popery By A Former Jesuit	Abernethie, Thomas	PDF	5.12 MB	50		Commercial	No	No
	Decisional Regeneration by James Adams	Adams, James	MP3	4.16 MB		36	Free	No	No
	Conscience with the Powers and Cases Thereof		PDF	19.71 MB	476				

Figure 23 - Search Results Window Bottom Section



Figure 24 - Search Results Window: Open Resource Button

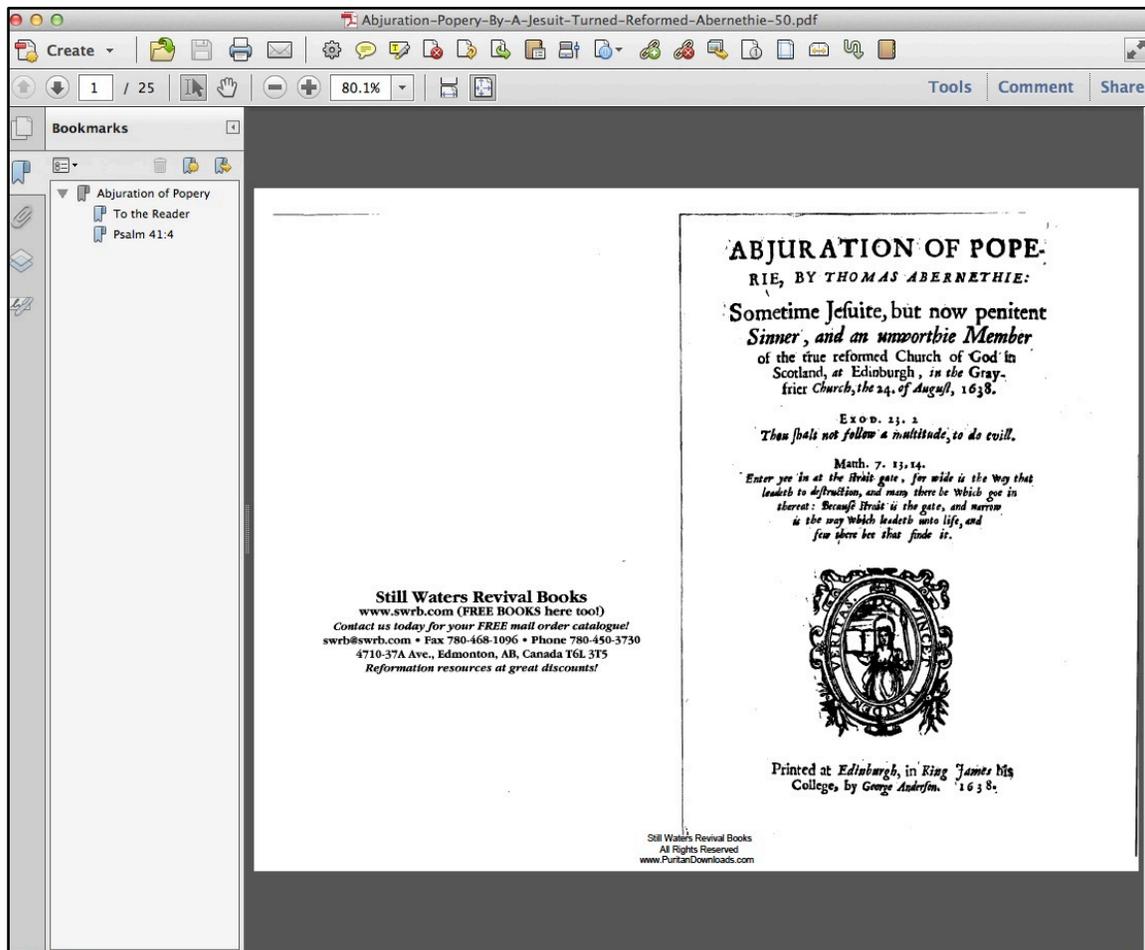


Figure 25 - Resource Displayed in Default PDF Application

In the PHD-ODE, if the resource is not present on the local hard drive in its pre-defined folder and the computer has an active Internet connection, the software will contact the PHD-ODE server and commence the downloading process. In a few moments, depending on the speed of the Internet connection, the volume of traffic on the Internet and the size of the resource file, the resource will be downloaded and stored on the local hard drive. The resource

will then appear in the appropriate reader/player. On the original Puritan Hard Drive, which is delivered with all the resources in the PHD collection, the resource will immediately appear.

SEARCH PROCESS IN ACTION

[The following text describes this operation in real time using the PHD-ODE software. You can watch this in the accompanying tutorial video.]

We'll scroll down to the PDF resource listing for "The Voice of Renwick, The Last of the Scottish Martyrs (1882)" by William Anderson. It is a relatively small file – 2.75MB – so the download should complete in a matter of seconds. If we take a glance at the tabbed panel at the far right of the window (we'll look at that panel in detail shortly), we see that the field "On Hard Drive" has a "No" entry, indicating that at the time the KnowledgeBase was last updated, the resource did not reside in its assigned location on the local hard drive. Since the software cannot prevent a user from manually deleting a file from the disk or copying a resource to the disk (a practice we strongly discourage the user from engaging in), the software will always check to see if in fact the file exists despite what information is in the KnowledgeBase. If the software finds the appropriate file, it will update the KnowledgeBase accordingly and launch the appropriate reader/player application. If the file is not found, it will download it from the PHD-ODE server and update the KnowledgeBase upon completion of a successful download.

We have implemented this checking/updating routine to not only make sure that the information in the KnowledgeBase accurately reflects the state of the PHD installation, but also to facilitate copying the KnowledgeBase file to another installation where the collection of resources do not exactly match the collection on the original computer. As the copied KnowledgeBase file is used on the second computer, the KnowledgeBase will update itself when the out of sync resource is accessed, thus over time the KnowledgeBase will be updated to accurately reflect the storage of all downloaded resources.

We'll click on the "Open Resource" button and a progress dialog box appears that displays a visual representation with a percentage completion of the download process. When the process is completed, the PDF appears in the

default PDF application. We'll close the PDF reader and check the tabbed panel. The value in the field "On Hard Drive" has been changed to "Yes" and the "Delete This Resource From the Hard Drive" button has been changed to dark blue and is now enabled. Clicking on the button will display a confirmation dialog box where we can confirm deleting the resource from the hard drive. It also reminds us that we can re-download the resource file at a future time whenever required.

Now we click on the "Open Resource" icon at the far left of the open window, the resource will be immediately displayed in the PDF reader since the file now resides locally on the hard drive. This process of downloading a resource from the PHD-ODE server and the related fields on the tabbed panel are the only factors that distinguish the workflow of the PHD-ODE software from that of the original PHD software that is distributed on a USB external hard drive.

Below the "Open Resource" button is the "Delete Resource" button (a red cross mark) (Figure 26). This deletes the resource from the Search Results listing but does not remove the resource from the hard drive.

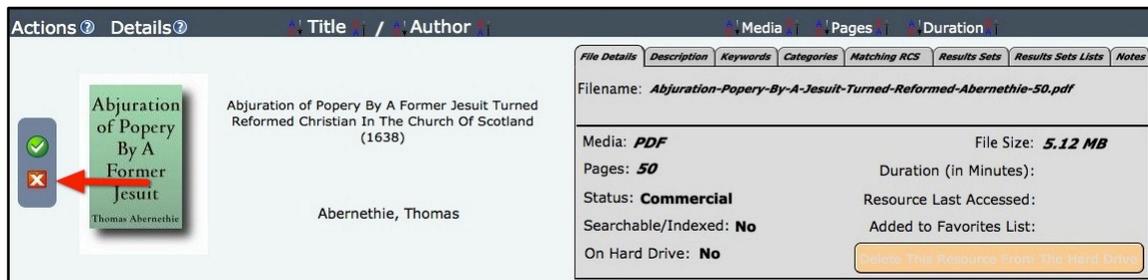


Figure 26 - Search Results Window - Delete Resource From Listing Button

The next column after the "Action" buttons displays the resource title and author (Figure 27). Upon initial opening, the Search Results window will present the resource listings in alphabetical order by author (last name, first name). In the event there are multiple resources by the same author, the resources will be listed alphabetically by title within the author grouping. Some times the title display will be truncated because of the long length of the original title. In those instances, an ellipsis ("...") will appear at the end of the title. To view the title in its entirety, move the mouse cursor on the title and allow it to remain for a second or two, the full title will appear in a floating "tooltip"

window that will remain visible for approximately 10 seconds or will close when the mouse is moved.

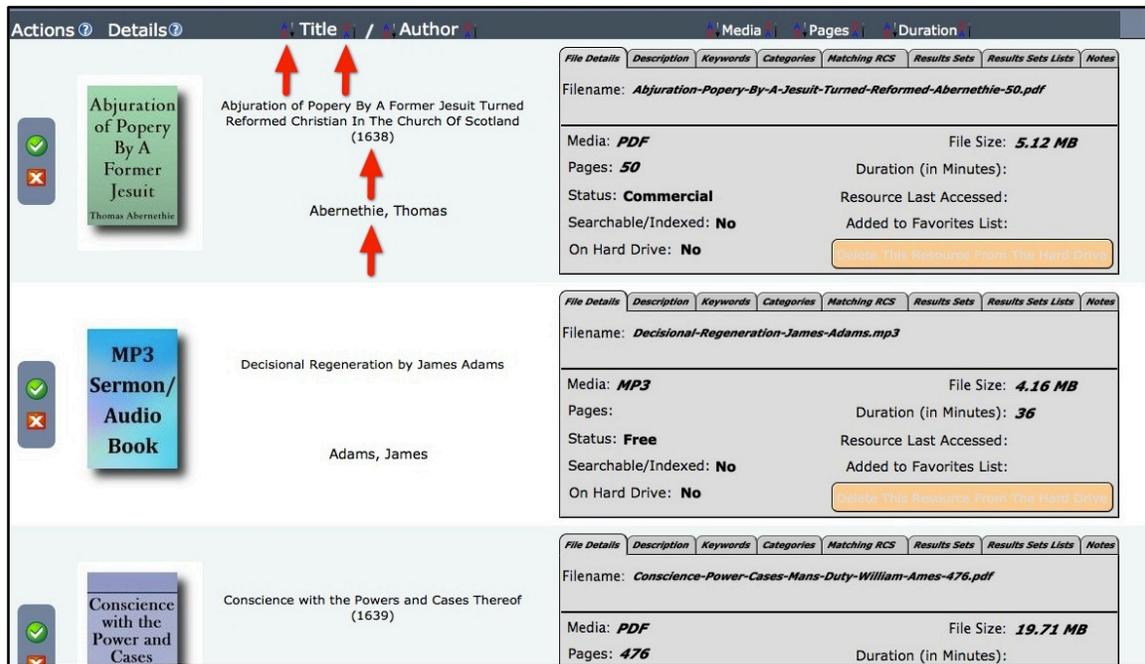


Figure 27 - Search Results Window -Title/Author Column

In the header row at the top of the column, there are two labels, “Title” and “Author”. Immediately to the left of each label is a small icon, consisting of the letters “A” and “Z” with a down arrow. To the right of each label is a similar icon with a down arrow. When clicked, the former set of icons will sort the author and title listings in ascending alphabetical order (i.e., A – Z); the latter set of icons will sort the listings in descending alphabetical order (i.e., Z – A).

Now let’s examine the vast amount of information contained in the tabbed panel (Figure 28), located to the right of the Author/Title column. It should be noted that this panel appears in every listing window, not just on the Search Results window now displayed.

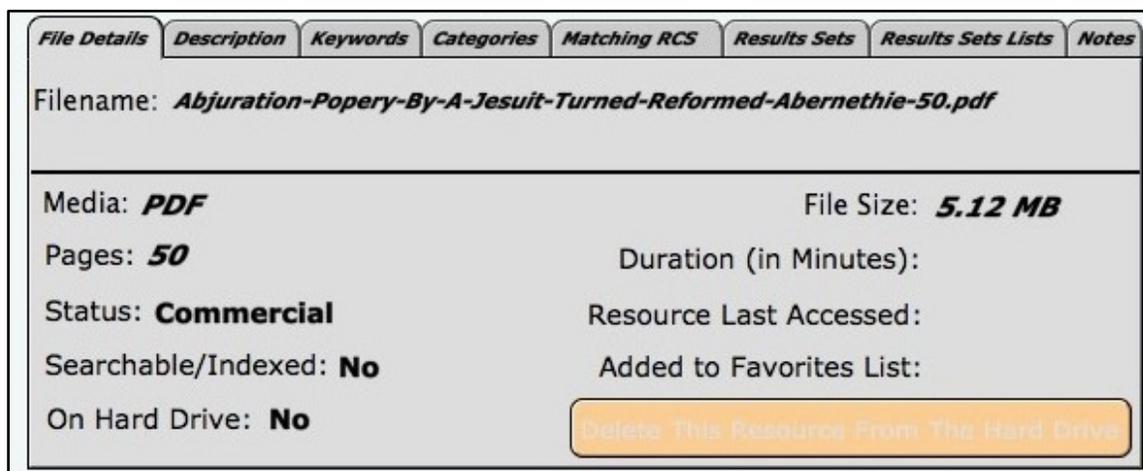


Figure 28 - Tabbed Panel: File Details

When first displayed, the tabbed panel will reveal the “File Details” tab’s associated fields. Exactly which fields will have values will depend on the resource’s media type. PDFs will have “Pages” values; MP3s and WMVs will display “Duration” (i.e., playing time) values. The column headers at the top of the listing section will allow the user to sort the resources by media type as well as “Pages” and “Duration”. The same icons described before will allow the user to sort the listings in ascending/descending order by Media Type (PDF, MP3, WMV) or numerical order by the number of pages (PDFs) or the number of minutes of playing time.

The fields in the “Files Details” tab contain the name of the resource file as stored on the hard drive, the Media type, number of pages, and resource file size. The status field will contain one of two possible values. “Commercial” signifies a resource that cannot be distributed without the express written consent of Still Waters Revival Books. The second value, “Free”, indicates that the resource may be freely distributed to others so long as the copyright restrictions of the resource’s original publisher are respected (for example, the resource is not modified in any way with respect to either content or authorship).

The next field, “Duration”, is the playing time of the MP3 (audio) or WMV (video) resource, expressed in minutes. The “Resource Last Accessed” field records the date when the resource was last displayed by its respective reader/player application. The “On Hard Drive” field, discussed previously, indicates with a “Yes” or “No” whether the resource is currently stored on the

local storage device [PHD-ODE only]. The “Added to Favorites List” records the date the resource was added to the user’s Favorites List. The last field on the “File Details” tab indicates with a “Yes” or “No” whether the resource has been designated by the user for future downloading.

The button to the right of this field allows the user to delete the downloaded resource file from the local hard drive [PHD-ODE only]. It will appear with a light orange background and very light text when the resource is not currently available on the hard drive. In this state the button is disabled and clicking on it will not have any action associated with it. If the resource file has been downloaded and resides on the hard drive, the button will have a dark blue background with bright white text. Clicking on the button in this state will delete the resource file from the hard drive after the user confirms the intent to proceed with the deletion. As mentioned earlier, any resource so deleted may be re-downloaded as required by the user. After deletion, the button will revert to its orange, disabled state.

The second tab, “Description” (Figure 29), will contain information about the content of the resource, ranging from a couple of sentences to several pages in length.

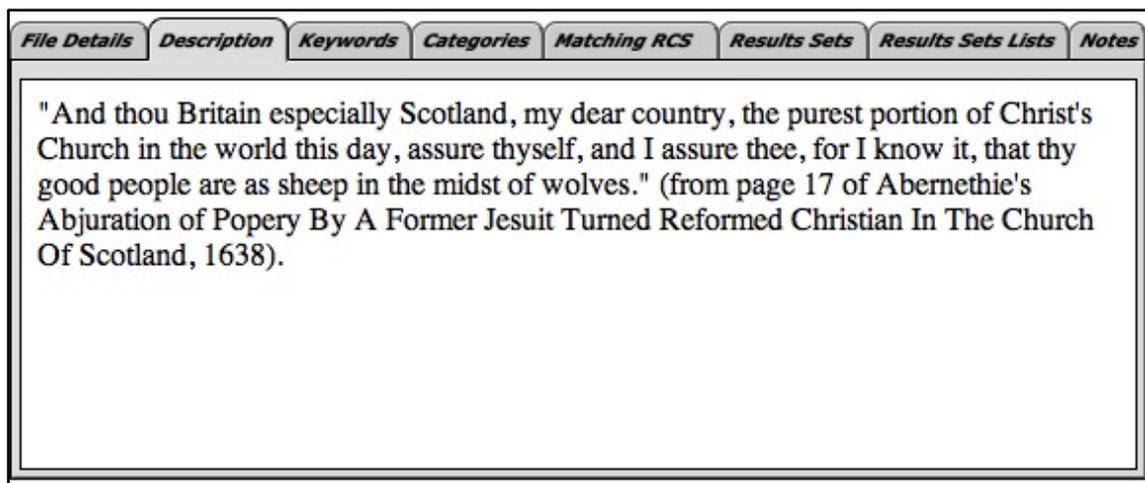


Figure 29 - Tabbed Panel: Description

The third tab, “Keywords” (Figure 30), contains a listing of keywords and phrases found in the resource, together with page references to the resources. It should be noted that these page references relate to the page numbers displayed

by the PDF reader and not necessarily to the page numbers in the PDF document itself.

<i>File Details</i>	<i>Description</i>	<i>Keywords</i>	<i>Categories</i>	<i>Matching RCS</i>	<i>Results Sets</i>	<i>Results Sets Lists</i>	<i>Notes</i>
		<i>Keyword/Phrase</i>	<i># References</i>	<i>Pages</i>			
		1 John	1	8			
		1 Kings	13	4, 5, 7, 8, 11, 13, 14,			
		1 Peter	7	7, 8, 10, 16, 22, 26,			
		2 Kings	5	7, 8, 14, 15, 23			
		abomination	1	29			
		Abraham	10	4, 5, 12, 18, 19, 21,			
Keywords: 451							
<i>** Please note that Page References refer to the page numbers displayed by the PDF reader and not necessarily to the page numbers in the document.</i>							
To avoid a degradation in scrolling performance, DO NOT have the Keywords tab SELECTED while scrolling this window							

Figure 30: Tabbed Panel: Keywords

Also, when scrolling the listing screen, it is best not to have this tab open; otherwise there will be degradation in scrolling performance.

Keywords will only appear when the resource has been rendered searchable through applying Optical Character Recognition (OCR) software to the PDF book or article. These keywords are derived from a list of more than 5000 relevant words and phrases. The keywords have also been collected into an index with page references and appended to the book. In many instances, this is the first time in the history of the publication that it has had an index associated with it. In the tabbed Search KnowledgeBase panel, the user can search for resources based on the list of 5000 keywords and phrases.

The fourth tab, “Categories” (Figure 31), displays a listing of all the categories assigned to the resource. Nearly 80 categories have been defined in the software. If the user is interested in seeing a listing of all the resources in a particular category, the category name can be clicked and a new window will appear showing all the associated resources. This illustrates a powerful feature of the interface design of the PHD KnowledgeBase software: virtually every window will give the user access to most of the functionality built into the software.

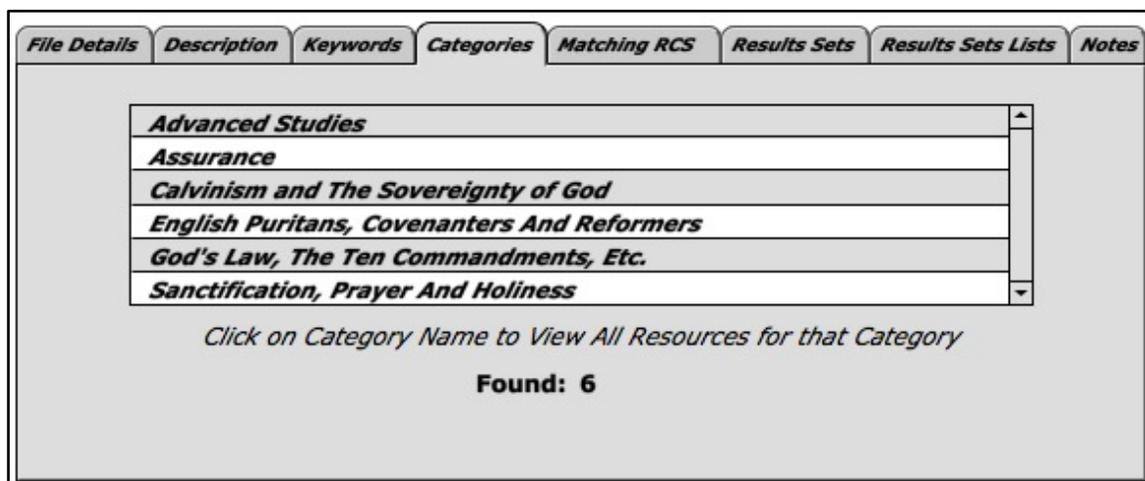


Figure 31 - Tabbed Panel: Categories

The fifth tab, “Matching RCS” (Figure 32), displays a listing of the resources “Matching Resource Category Signature.” A later section of this tutorial will examine in depth exactly what the RCS is and how this unique feature can reveal interesting, previously hidden, relationships among the resources in the PHD collection. A button, “View Matching RCS Resources”, allows the user to open a Search Results windows containing all associated RCS resources, which can then be saved or used as the basis for further exploration of the KnowledgeBase.

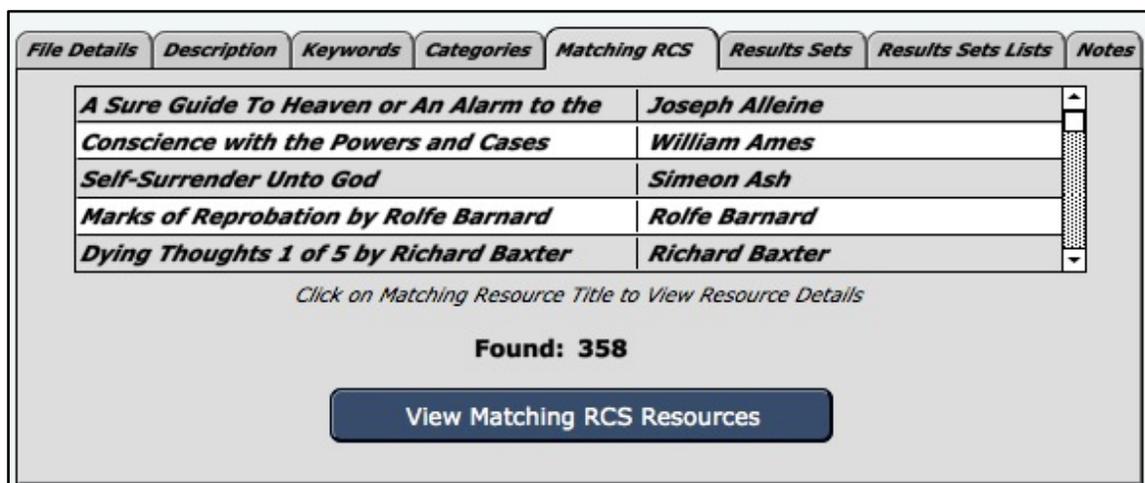


Figure 32 - Tabbed Panel: Matching Resource Category Signature

The sixth tab, “Results Sets” (Figure 33), will contain a listing of Saved Search Results Sets containing this resource. A Saved Search Results Set can be created when the user wants to preserve the results of a particular query or series of

queries of the KnowledgeBase. We will examine that process later on in this tutorial. Clicking on the name of the Saved Search Results Set will open a window with a listing of all the resources in that set. Since these sets are created by the user, the initial installation will not contain any sets and the listing here will be empty. A button, “View All Saved Search Results Sets”, allows the user to open window displaying all the Saved Search Results Sets” currently defined in the KnowledgeBase.

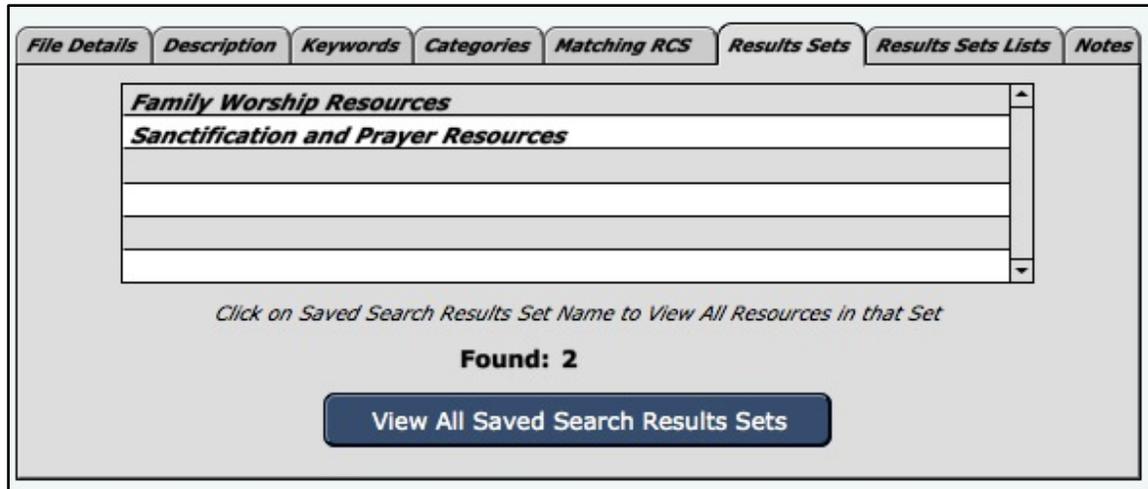


Figure 33 - Tabbed Panel: Saved Search Results Sets

The seventh tab, “Results Sets Lists” (Figure 34), will contain a listing of any Saved Results Set Lists that the user has created. A Saved Search Results Sets List provides the user a way to organize into meaningful collections the potentially numerous Saved Search Results Sets that have been created over time. As with the previous tab, this listing will initially be empty. There is a button below the listing that allows the user to open a Saved Search Results Set Lists window that displays all the Lists that are currently defined in the KnowledgeBase.

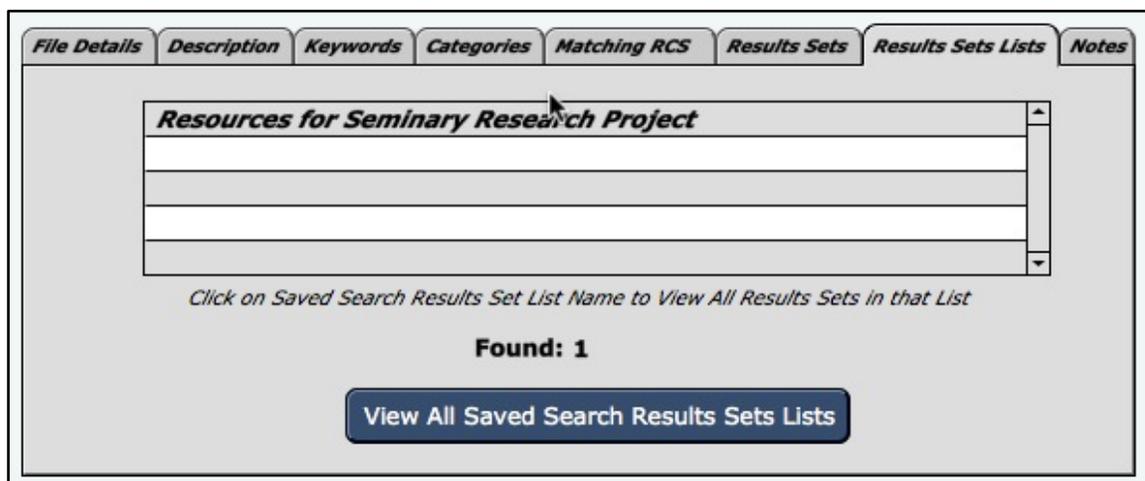


Figure 34 - Tabbed Panel: Saved Search Results Sets Lists

The last tab, “Notes” (Figure 35), displays any notes that the user has attached to this resource. This is a read-only window. Notes can be created and edited using the Resource Details window to be discussed later.

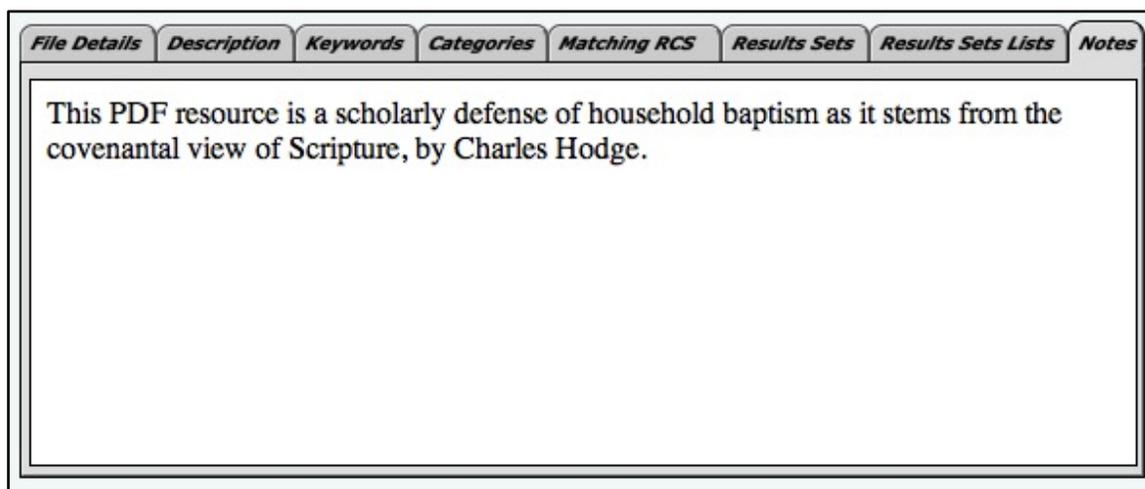


Figure 35 - Tabbed Panel: Notes

Now that we’ve reviewed all the interface elements in the Search Results window, we can turn to an in-depth examination of the search process itself. Let’s return to the tabbed Search KnowledgeBase window to begin.

This search window is accessible in one of two ways: the “New Search” option on the Main Menu or the “Search” button on a Search Results window. The “New Search” option initiates a brand new search, independent of any other windows that are currently open. The “Search” button on a Search Results

window will provide the user with three distinct ways to apply the results of a search query: “New”, “Add” or “Limit” (Figure 36). The “New” option will remove the existing results set and create a new set with all the resources that match the query. The “Add” option will take the results of the new query and add them to the existing Search Results sets, discarding any duplicates.

The “Limit” option performs a “drilldown” operation against the existing results set. This means that instead of searching the entire KnowledgeBase using the entered query criteria, the query is applied to a subset of the KnowledgeBase consisting of the resources present in the current results set. This allows the user to successively refine the search process by the serial application of individual search criteria.

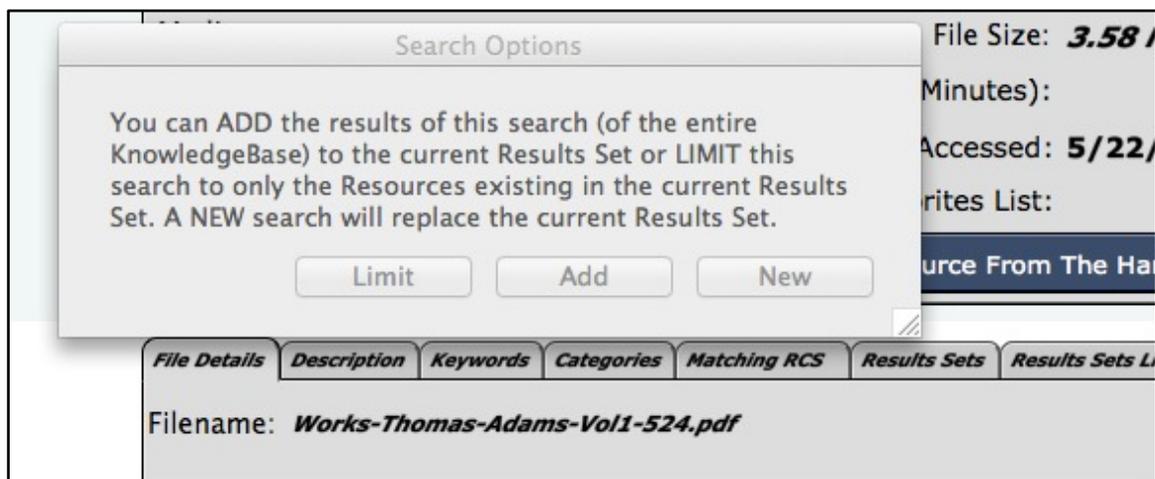


Figure 36 - Search Options

This is an extremely powerful capability when dealing with search results that may include thousands of resources. At any time in the search process, the user may preserve the results of a query or set of queries by creating a Saved Search Results Set and giving that set a unique name. The user is advised to make frequent use of this capability because a “Limit” operation that fails to return any results will cause the Search Results Set to be emptied and the Search Results window will be closed.

Once created, the Saved Search Results set cannot be changed, though it may be renamed or deleted. Moreover, by clicking on the “Search Results View” button on the Saved Search Results Set window, the existing set may be instantaneously converted into a new Search Results set which can then serve as the basis for

additional queries. This is a non-destructive conversion since the original Saved Search Results remains unaltered and preserved for future use

Let's see how this search process works in real time. We'll begin by initiating a new search by clicking on the "New Search" option on the Main Menu.

For the purpose of this demonstration, we'll be looking for all the resources by the author Thomas Boston. We'll click on the "Select Author from List" button and bring up a listing of all resource authors (Figure 37).

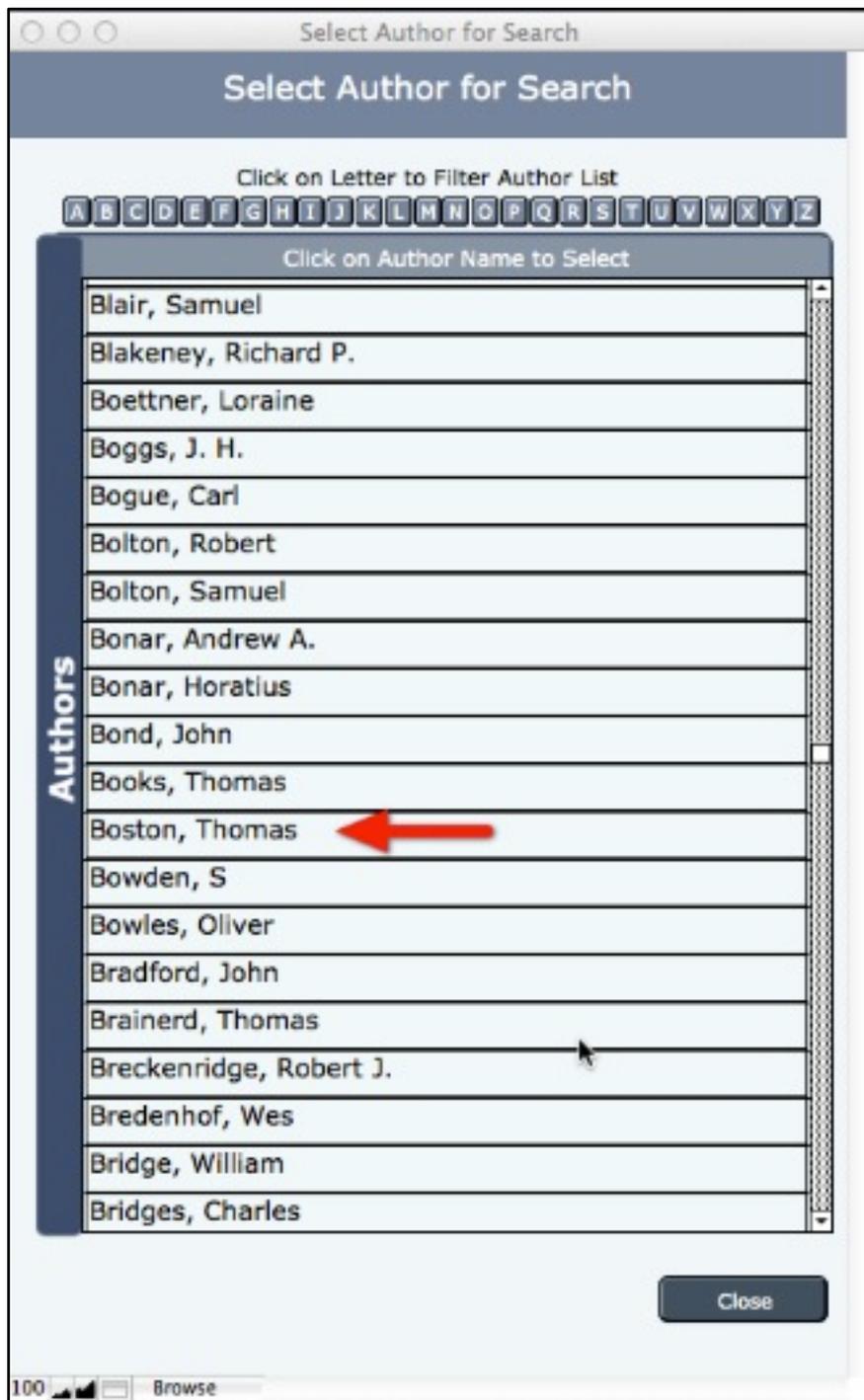


Figure 37 - Search KnowledgeBase Panel: Select Author from List Popup Window

A row of buttons at the top of this window allows us to select the first letter of the author's last name. This is an expedited way of finding the author from the almost 800 authors included in the PHD collection. We click on the "B" button and then click on the name "Boston, Thomas". The author's name is now

entered in the Author field on the tabbed search panel (Figure 38). If we had so desired, we could have entered the name directly in the Author field. Since there are a number of authors whose names have variant spellings, it is often useful to use the author selection list to ensure that the search query will be successful.

At this point we could enter other information about Boston's work into the search window. However, as noted earlier, if any additional information is entered, all of it must match in order for a resource to be returned in the search results. We recommend entering as little information as possible in the initial query in order to make sure that the maximum number of relevant resources will be found. We can always enter subsequent queries against the initial search results to zero in on the particular resource or resources we're interested in. Moreover, by scrolling through the initial results we might find other resources of interest that would otherwise not be included by a more exclusive search query.

We'll now execute the query by clicking on the "Search" button at the bottom right-hand side of the tabbed search panel.

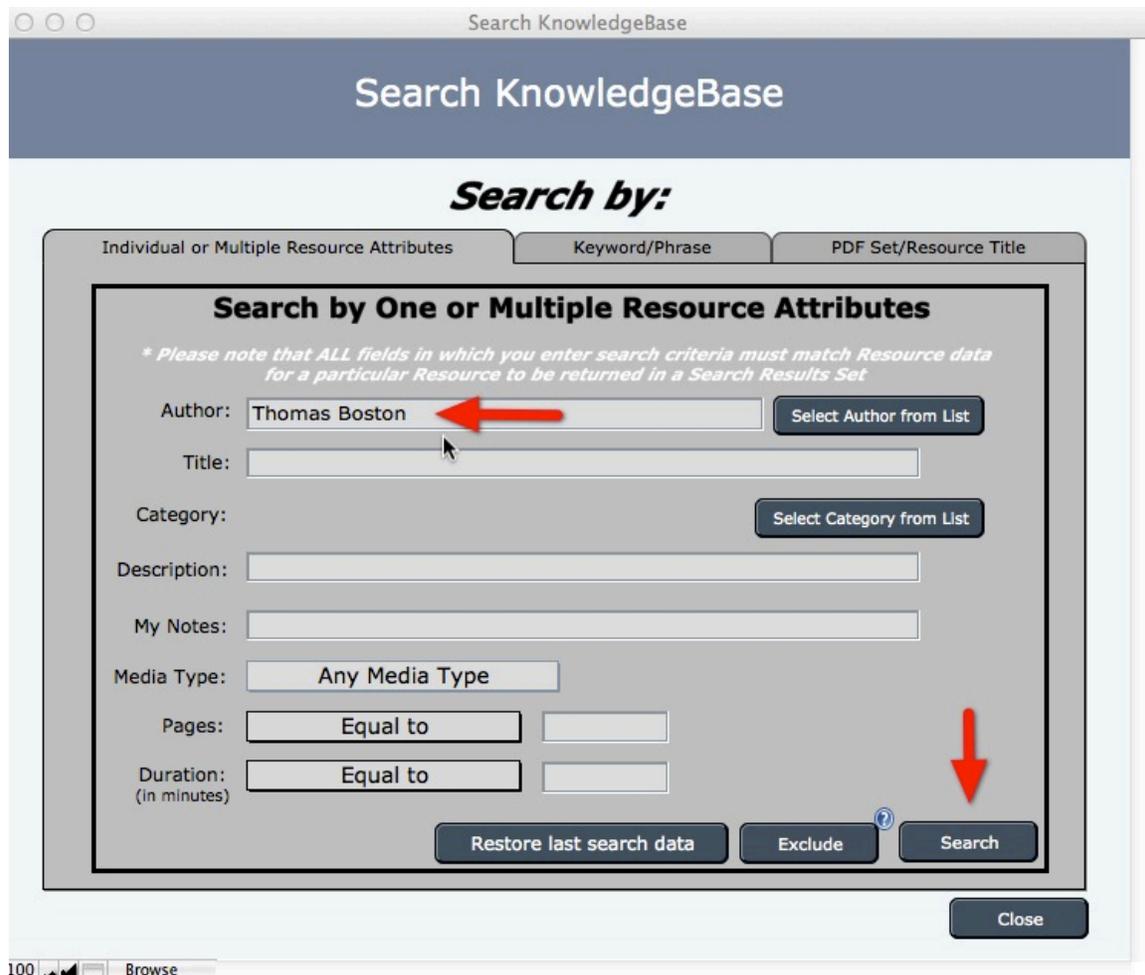


Figure 38 - Search Knowledge Panel: Search by Author

In a matter of seconds, the Search Results window is displayed containing 72 resources (Figure 39).

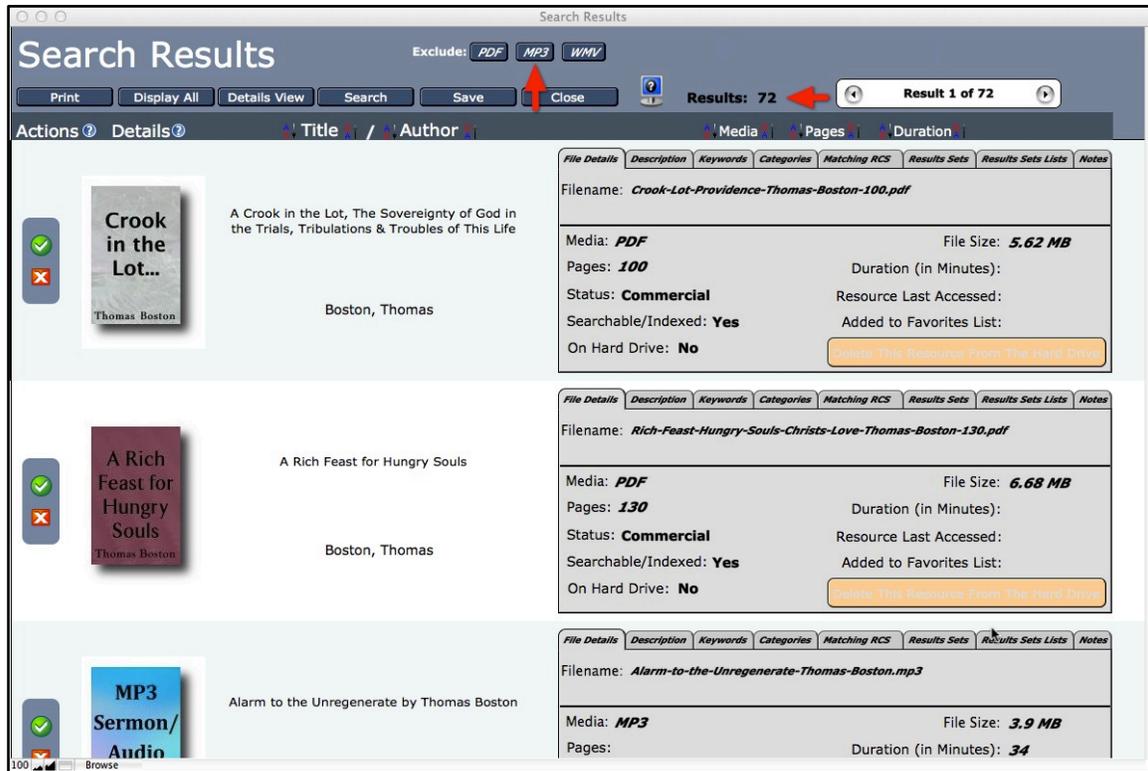


Figure 39 - Search Results Window for "Boston" Author Search

As we scroll down this listing, we see that a number of resources are MP3 versions of Boston's works. Since we are only interested in Boston's works in PDF book format, we can click on the "MP3" button at the top of the Search Results window to exclude MP3s from the resource listing. A dialog box (Figure 40) appears informing us that 27 MP3 resources have been excluded from our listing, leaving 45 PDF and possibly WMV video resources as well. Clicking on the "WMV" exclusion button reveals that there were no WMVs included in the search results. We are now left with 45 PDF resources in our listing.

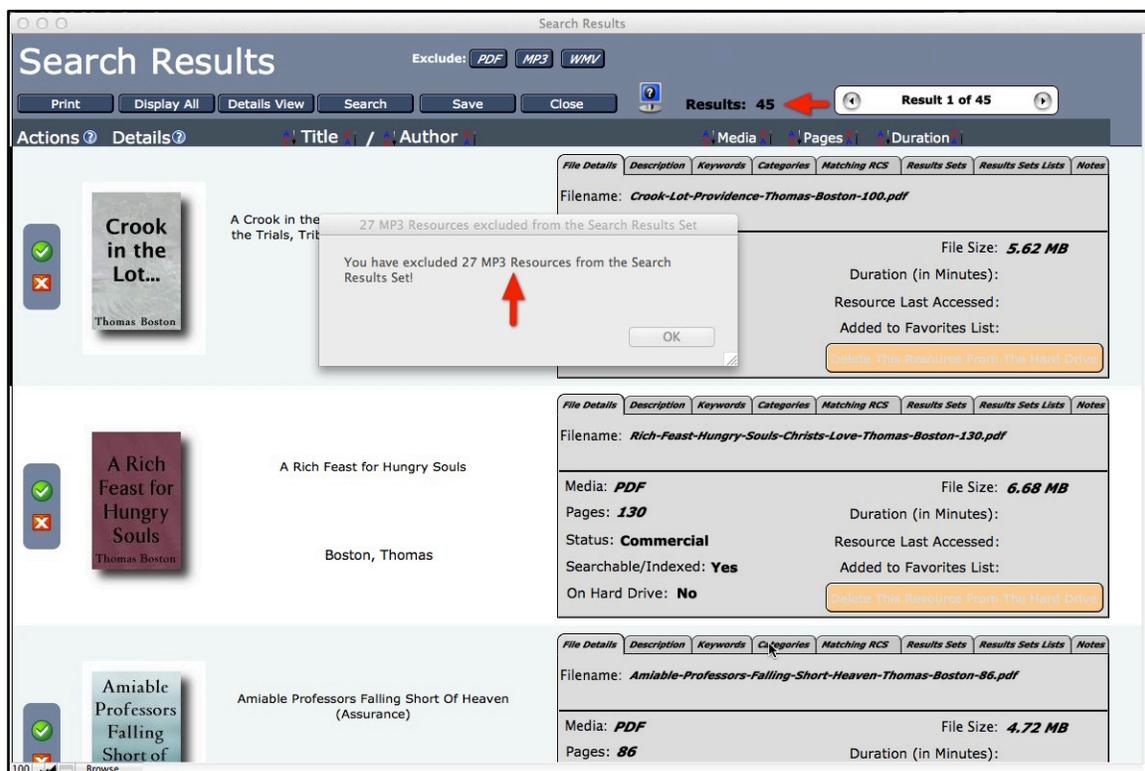


Figure 40 - Search Results Window: MP3s Excluded from Results Listing

If we now click on the “Categories” tab in the tabbed panel on the right hand side of the screen (Figure 41), the categories assigned to each resource is displayed. Again, for the purpose of this demonstration, we determine that the category, “Sanctification, Prayer and Holiness” is of interest to us and we would like to limit the listing to those resources that have been assigned that category.

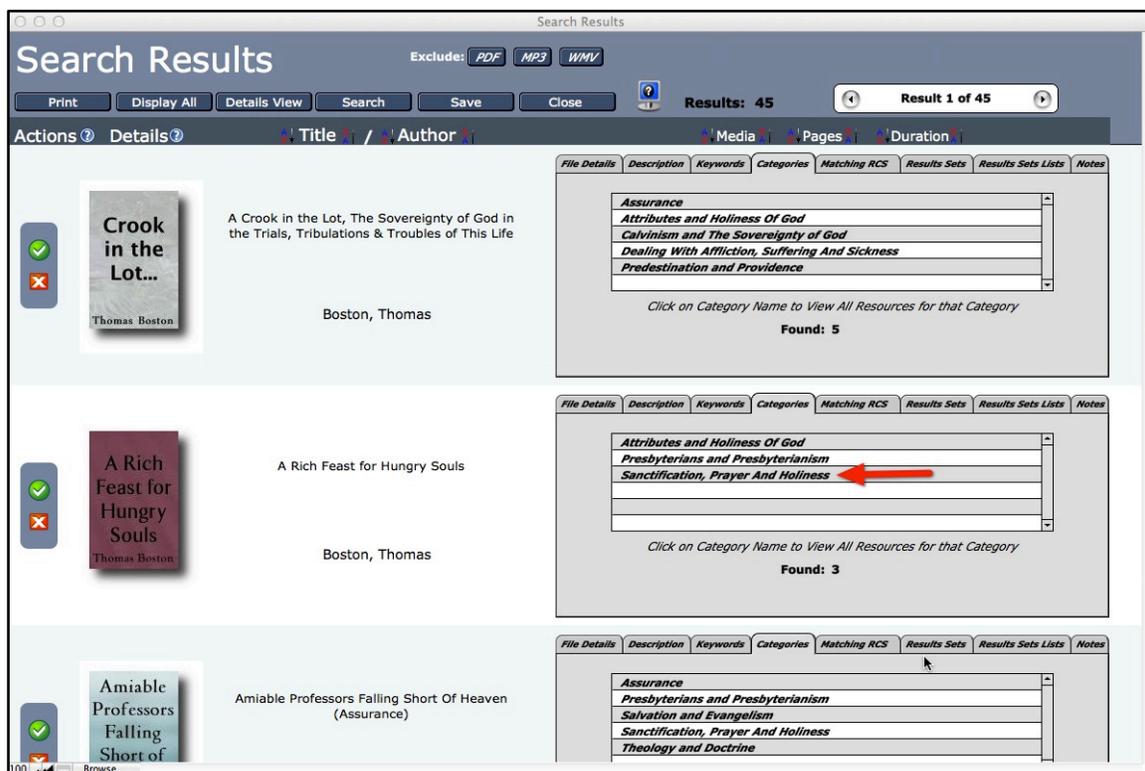


Figure 41 - Search Results Window with Categories Displayed

We can accomplish this goal by clicking on the “Search” button at the top of the Search Results window to apply a category search to these resources. We’ll click on the “Select Category from List” button to bring up a list of all categories defined in the KnowledgeBase. We’ll click on the “Sanctification, Prayer and Holiness” category name and the Category field will be populated with it. When we click on the “Search” button, a dialog box will appear with three buttons to direct the software how and where to apply the results of the category search. Since we want to apply the query against the results contained in the Search Results window and limit those results to resources containing the selected category, we will click on the “Limit” button. We now see that 15 resources have been removed the results, leaving 30 resources.

We’re also interested in another category, “Salvation and Evangelism”. We’ll repeat the process we’ve just completed, but this time choosing the category “Salvation and Evangelism” from the category list. As a result of this additional drilldown query, we now have 23 fewer resources in our listing. If we click on

the “Categories” tab in the tabbed panel (Figure 42), we can see that all of the seven remaining resources has at least “Salvation and “Evangelism” and “Sanctification, Prayer and Holiness” assigned to its list of associated categories.

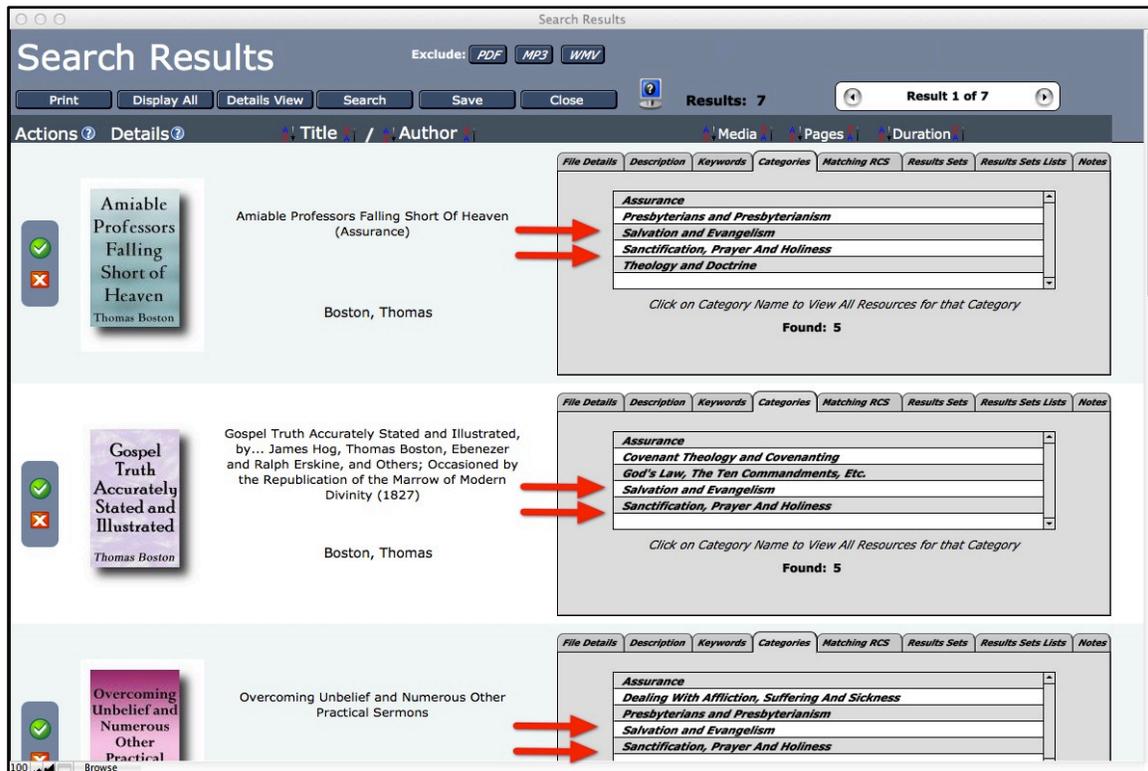


Figure 42 - Search Results After Drilldown

This is a much more manageable number of resources to examine individually than the number with which we first started. If we wanted to, however, we could apply this limiting or “drilldown” technique to narrow this listing even further.

RESOURCE DETAILS WINDOW (PART 1)

Now that we have a listing of works of interest, we can examine each of them in greater detail. This is most effectively done by opening up the Resource Details window for each work. This can be accomplished in two ways. We can click on the book cover graphic for each individual resource or, if we intend to examine all of them, we can click on the button “Details View” at the top part of the Search Results window and examine each of the resources serially (Figure 43).

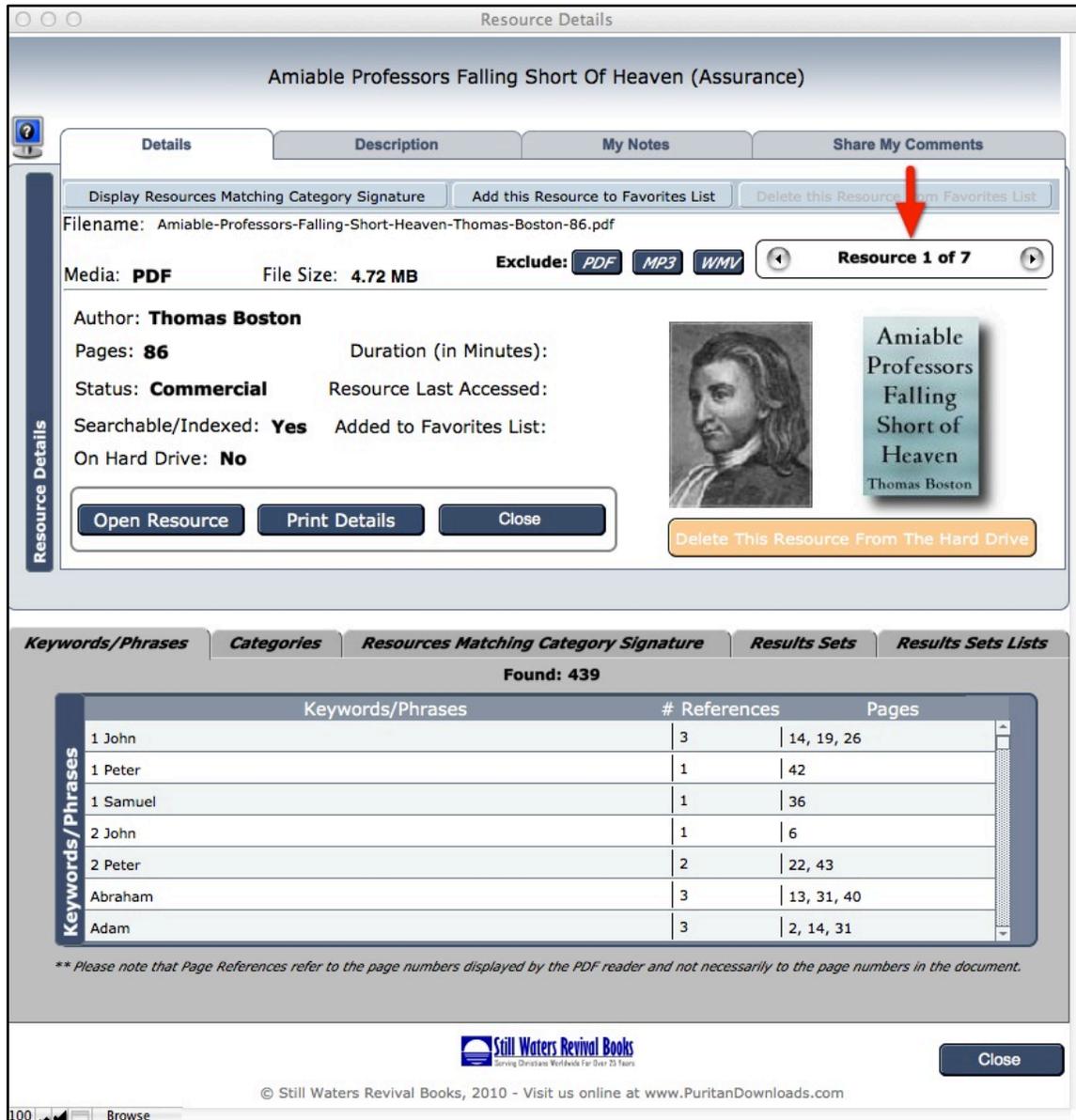


Figure 43 - Resource Details Window for 7 Resources

Choosing the latter function, we click on the “Details View” button and a Resource Details window opens for the first resource in the listing. What distinguishes this Resource Details window from the Resource Details window opened by clicking on the book cover graphic in the Search Results window is the ability to cycle through all of the Resource Details windows for all the resources in our listing. We can do this by using the navigational buttons in the upper right-hand side of the window. We see here that there are 7 Resource Detail windows linked to the current window. Clicking on the right arrow

button will display the next Resource Details window in the list. Clicking on the left arrow button will display the previous Resource Details window.

Although much of the information displayed in this window is also available in the Search Results window, the Resource Details window gives us access to more functionality. We'll concentrate on this additional functionality.

The next to last tab on the top tabbed panel (Figure 44) allows us to add notes on this resource which can be copied and pasted, for example, in a research paper being written in a word processing program. These notes then can be displayed wherever the resource appears in a listing throughout the software. We can also use the tabbed Search KnowledgeBase window to search for text in the notes throughout the KnowledgeBase.

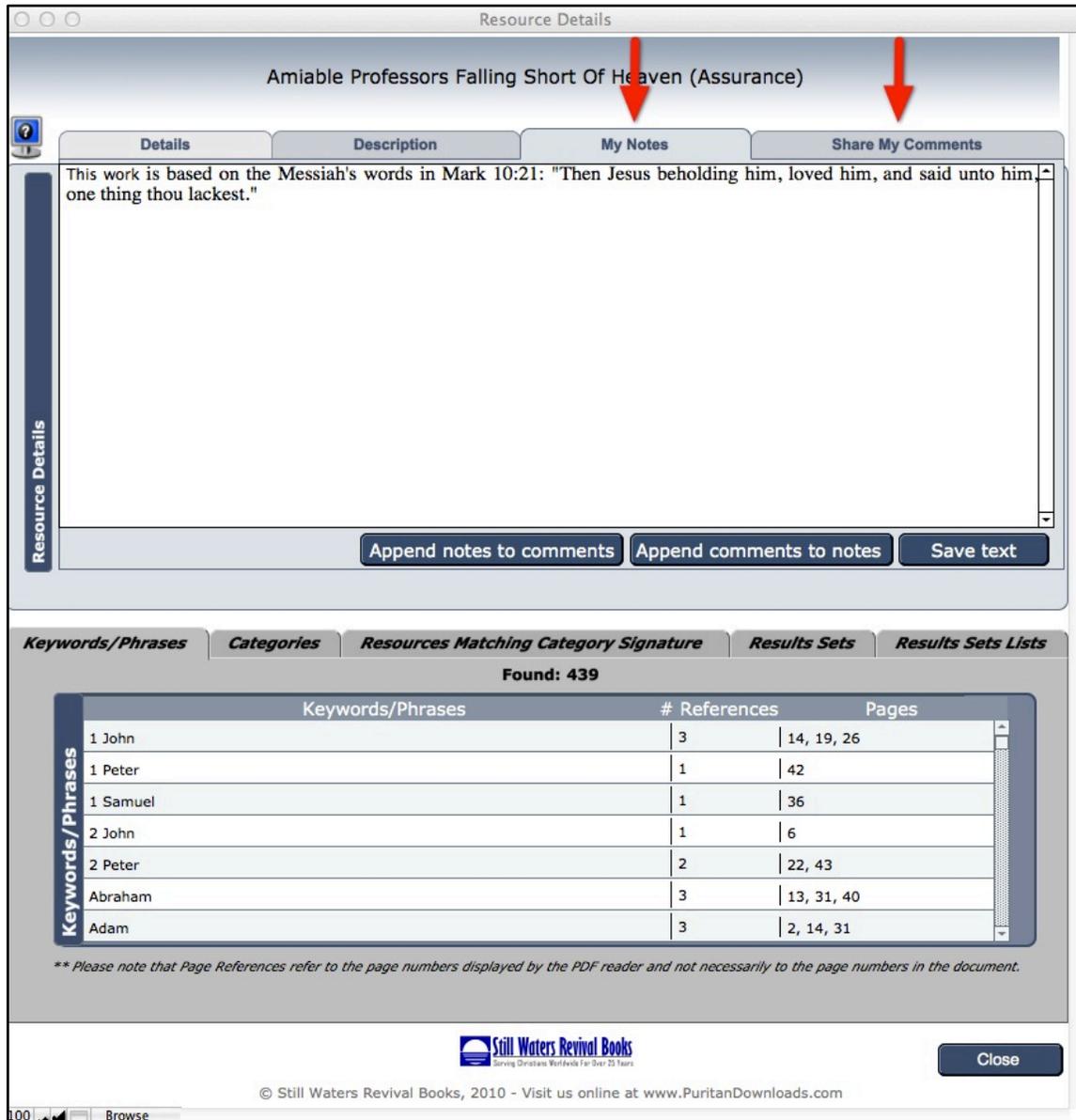


Figure 44 - Resource Details Window: Notes and My Comments Tabs

The last tab allows us to write comments on the resource and send them, if we so desire, via the default mail client on the local computer to SWRB for possible inclusion in commentary on this resource's web page on PuritanDownloads.com. Buttons are available at the bottom of the text box to append comments to the notes and vice versa.

Let's now click on the Details tab to return to the state of the Resource Details window when it first opened (Figure 45). Here we see that there is a sub-panel that also contains additional functionality. At the top of the sub-panel is a row of three buttons. The first button allows the user to open a new Search Results window populated with a listing of the resources whose category signatures match this resource. This window could then be used as the starting point for a further exploration of the PHD KnowledgeBase and its vast collection of resources.

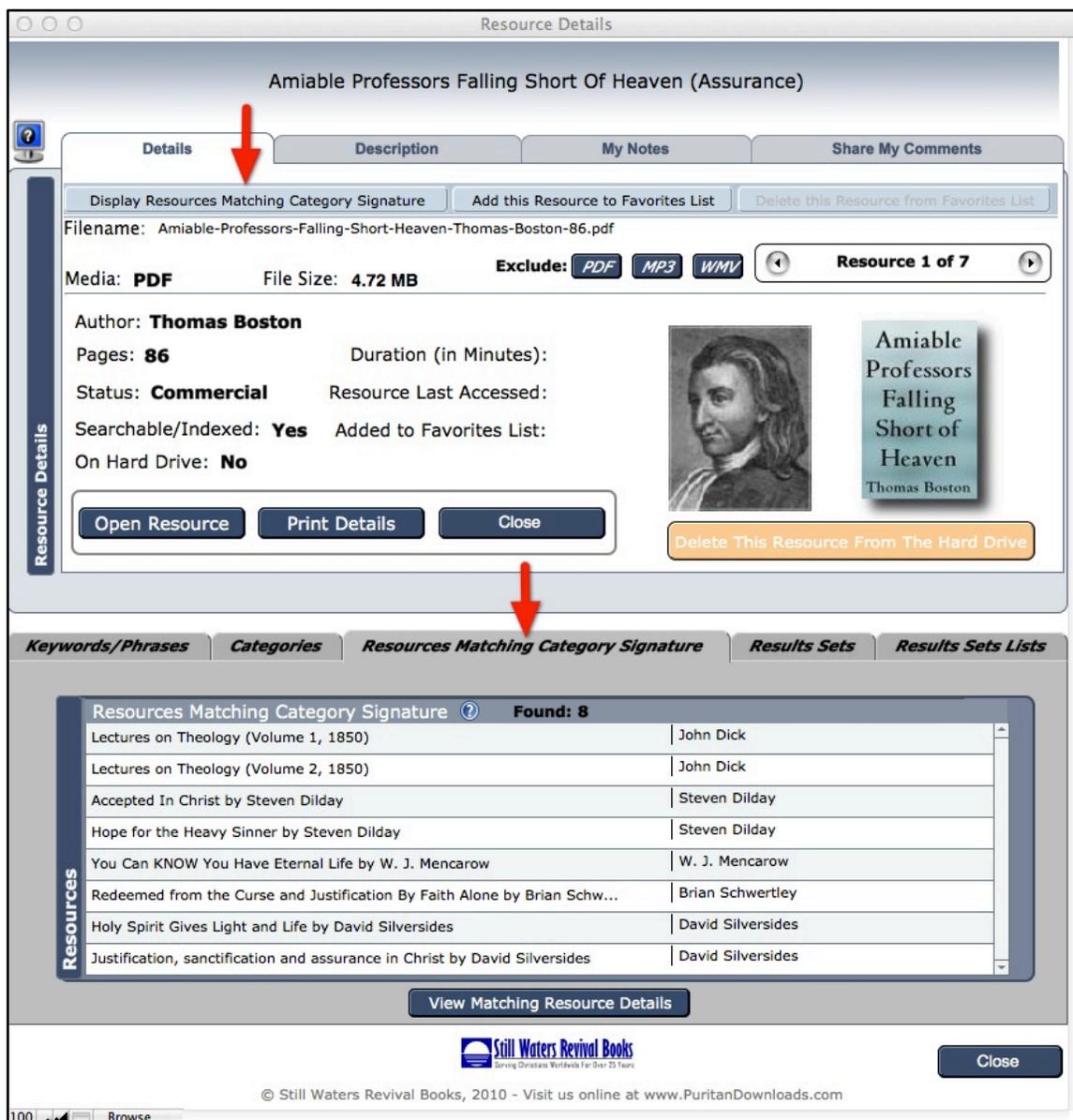


Figure 45 - Resource Details Windows: Display Resources Matching Category Signature Button

RESOURCE CATEGORY SIGNATURE (RCS)

This is an appropriate point in this tutorial to describe Resource Category Signature functionality that is unique to the PHD KnowledgeBase software.

Every Resource in the Puritan Hard Drive collection has been classified by one or more (up to 25) categories. This set of categories for a resource is referred to as its Resource Category Signature (RCS). Resources that share the same RCS

are considered to be the most similar in subject content. For one resource to be a matching RCS resource of another, it must have all of the latter's categories contained in its RCS, though it may have other Categories associated with it as well. For example, for resource "A" to be considered to be a Matching RCS resource of resource "B", it must have all of resource "B" Categories associated with it, though again, it may have other categories as well. More than 90% of the resources have Matching RCS resources. It is useful to note that the more categories a resource has, the less likely it will have many or any Matching RCS resources. Using the RCS functionality in the PHD KnowledgeBase resource will often reveal hidden content similarities among the thousands of resources, including audio (MP3) and video (WMV) resources, contained in the PHD collection. Even those users with an extensive familiarity with many of these Puritan and Reformation works have remarked that they have discovered similarities among resources that they have never considered before using the RCS functionality of the PHD KnowledgeBase software.

To view a Resource's Matching RCS Resources, simply click on the tab panel "Matching RCS" anywhere the Resource is listed or on the tab panel "Resources Matching Category Signature" on the Resource Details window.

RESOURCE DETAILS WINDOW (PART 2)

Let's return now to the second and third buttons on the "Details" sub-panel on the Resource Details window (Figure 46).

These two buttons allow the user to add the resource to, or remove the resource from, the Favorites List.

The screenshot shows the 'Resource Details' window for 'Amiable Professors Falling Short Of Heaven (Assurance)'. The window has a title bar and a menu bar with 'Details', 'Description', 'My Notes', 'Share', and 'Comments'. Below the menu bar are three buttons: 'Display Resources Matching Category Signature', 'Add this Resource to Favorites List', and 'Delete this Resource from Favorites List'. The 'Add this Resource to Favorites List' button is highlighted with a red arrow. Below these buttons is the filename 'Amiable-Professors-Falling-Short-Heaven-Thomas-Boston-86.pdf'. The media is 'PDF' and the file size is '4.72 MB'. There are 'Exclude' buttons for 'PDF', 'MP3', and 'WMV'. A 'Resource 1 of 7' indicator is also present. The author is 'Thomas Boston', with 86 pages and a duration of 86 minutes. The status is 'Commercial', and it is searchable/indexed. There are buttons for 'Open Resource', 'Print Details', and 'Close'. A 'Delete This Resource From The Hard Drive' button is also visible. Below the details is a section for 'Resources Matching Category Signature' with a 'Found: 8' indicator. This section contains a table of resources:

Resources Matching Category Signature	Found: 8
Lectures on Theology (Volume 1, 1850)	John Dick
Lectures on Theology (Volume 2, 1850)	John Dick
Accepted In Christ by Steven Dilday	Steven Dilday
Hope for the Heavy Sinner by Steven Dilday	Steven Dilday
You Can KNOW You Have Eternal Life by W. J. Mencarow	W. J. Mencarow
Redeemed from the Curse and Justification By Faith Alone by Brian Schw...	Brian Schwertley
Holy Spirit Gives Light and Life by David Silversides	David Silversides
Justification, sanctification and assurance in Christ by David Silversides	David Silversides

At the bottom of the window, there is a 'View Matching Resource Details' button, the 'Still Waters Revival Books' logo, and a 'Close' button. The footer text reads: '© Still Waters Revival Books, 2010 - Visit us online at www.PuritanDownloads.com'.

Figure 46 - Resource Details Window: Add to Favorites List

It may sometimes be useful to identify a particular resource for future study. For this purpose there is a "Favorites List" (Figure 47) to which these resources may be easily added, removed or accessed as desired. To add a resource to this List, simply click on the button "Add this Resource to Favorites List" located on the Resource's Resource Details screen. The date this resource was added to the List will be recorded and displayed wherever the resource is displayed in any listings. To remove this resource from the List, you can either click on the button "Delete this Resource from Favorites List" on the resource's Resource Details screen or click on the cross mark located beside the resource listing in the Favorites List itself.

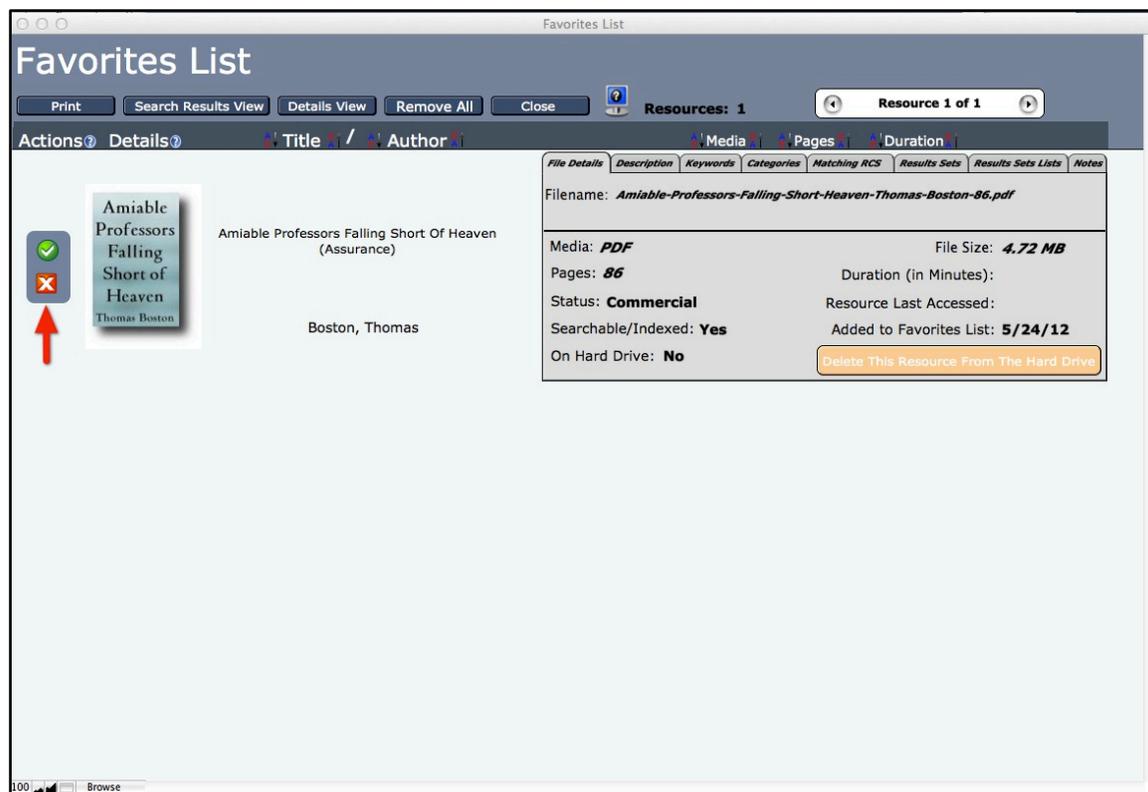


Figure 47 - Favorites List

Lastly, the Resource Details window contains a "Print Details" button that allows the user to generate and print a report containing the most important details about this resource.

We'll close the Resource Details window and return to the Search Results set. One of the most important aspects to keep in mind about the Search Results

window is its temporary nature. If we close the Search Results window without first saving it, we will need to re-query the database to re-create this set.

If we anticipate creating multiple sets containing a categorized listing of Boston's works, we can create a Saved Search Results Set List to store references to such sets. This list can be created by either clicking on the "Lists" button on the Saved Search Results Set window or on the Saved Search Results Set List option on the Main Menu. Using either method will display a Saved Search Results Set Lists window displaying all currently existing lists. If none exists, a dialog box will appear prompting the user to create one.

SAVED SEARCH RESULTS SET WINDOW

As previously mentioned, if we want to preserve this search results set for further use, we need only click on the "Save" button at this time and give it an appropriate name, for example, "Boston's Works on Salvation, Sanctification and Prayer". This name will appear as the title of the set's window. We now have a Saved Search Results Set (Figure 48) that we can access whenever the need arises.

Saved Search Results Set: Sanctification and Prayer Resources

Saved Search Results Set

Result 1 of 1100

Print Search Results View Details View Lists Sets Notes Delete Rename Close Results: 1,100

Open Details Title / Author Media Pages Duration

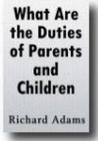
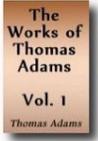
File Details	Description	Keywords	Categories	Matching RCS	Results Sets	Results Sets Lists	Notes
 <p>Richard Adams</p>	<p>What are the Duties of Parents and Children; and How are They to be Managed According to Scripture? (1674, reprinted 1844)</p> <p>Adams, Richard</p>						<p>Filename: <i>What-Are-Duties-Parents-Children-Richard-Adams-60.pdf</i></p> <p>Media: PDF File Size: 3.58 MB</p> <p>Pages: 60 Duration (in Minutes):</p> <p>Status: Commercial Resource Last Accessed: 5/22/12</p> <p>Searchable/Indexed: Yes Added to Favorites List:</p> <p>On Hard Drive: Yes Delete This Resource From The Hard Drive</p>
 <p>Thomas Adams</p>	<p>Works of Thomas Adams (Volume 1)</p> <p>Adams, Thomas</p>						<p>Filename: <i>Works-Thomas-Adams-Vol1-524.pdf</i></p> <p>Media: PDF File Size: 11.06 MB</p> <p>Pages: 524 Duration (in Minutes):</p> <p>Status: Commercial Resource Last Accessed:</p> <p>Searchable/Indexed: Yes Added to Favorites List:</p> <p>On Hard Drive: No Delete This Resource From The Hard Drive</p>
	<p>Works of Thomas Adams (Volume 2)</p>						<p>Filename: <i>Works-Thomas-Adams-Vol2-582.pdf</i></p> <p>Media: PDF File Size: 13.33 MB</p>

Figure 48 - Saved Search Results Set Window

Let's examine what information and functionality is available on this window. As with many other windows in the PHD KnowledgeBase software, there is a row of buttons in the top section of the window:

- “Print”: allows the user to print a report listing the resources in this set.
- “Search Results View”: will non-destructively convert the window into a Search Results window that can be used as the basis for further searches of the KnowledgeBase.
- “Details View”: non-destructively creates a serial Resource Details window that provides additional functionality to examine each of the resources contained in the Saved Search Results Set.
- “Lists”: will open the Saved Search Results Set Lists window.
- “Sets”: will open the Saved Search Results Sets window, displaying all the sets that are currently available in the KnowledgeBase.
- “Notes”, will open an edit window that allows the user to add and/or edit existing notes for this set.
- “Delete” and “Rename”: will allow the user to either delete or rename this set. Once created, the set cannot be edited but can be renamed or deleted from the KnowledgeBase.
- “Close”, will close this window. Only one copy of the window can be displayed at any time.

To the right of these buttons is a monitor icon that when clicked will open the default browser to a page on PuritanDownloads.com that contains PHD KnowledgeBase software tutorial videos. To the right of the monitor icon is a field that displays the number of resources in this set. Directly above these last two interface elements is a set of navigation buttons that when clicked will move the row marker either forward or backward in the resource listing.

SAVED SEARCH RESULTS SETS WINDOW

Let's now examine what functionality the Saved Search Results Sets window contains (Figure 49).

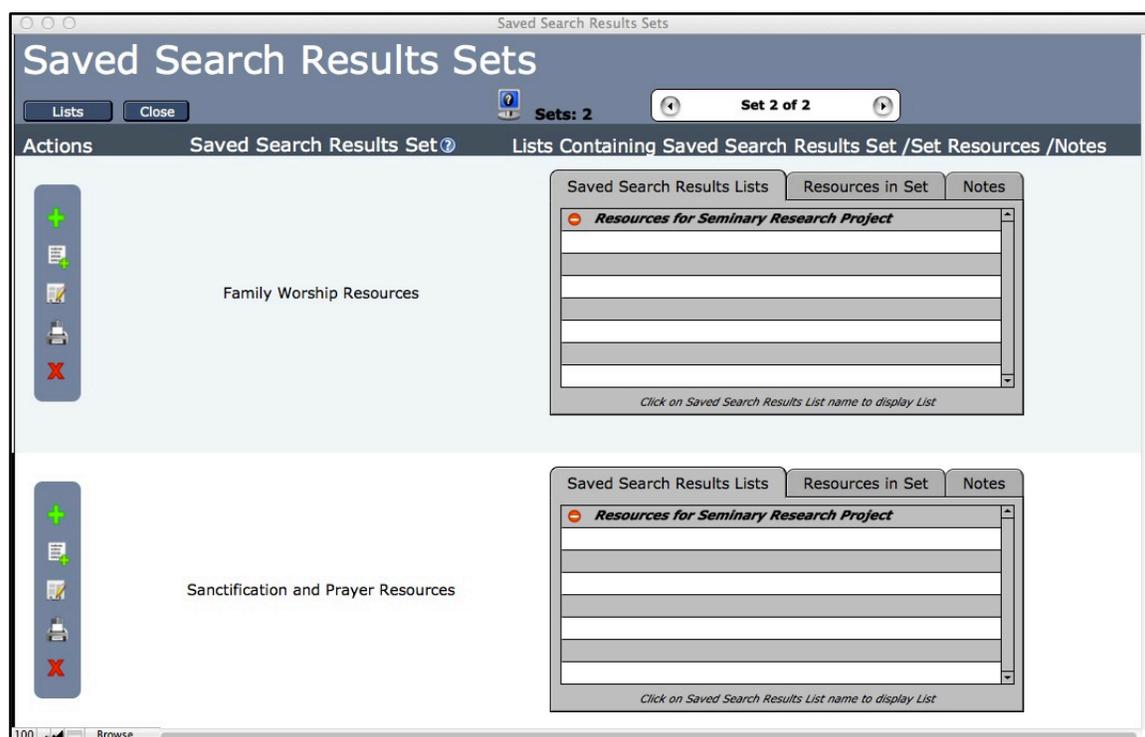


Figure 49 - Saved Search Results Sets Window

Clicking on the “Saved Search Results Sets” option on the Main Menu will display the Sets window if such sets are currently defined in the KnowledgeBase.

In the top section of the window is a button, “Lists”, that opens (or brings to the front if already opened) a “Saved Search Results Set Lists” window. This is helpful if the user intends to add the set to a pre-existent List or wishes to create a new List for the same purpose. The next button, “Close”, will close this window. Only one copy of this window can be opened at any time. To the right of these two buttons is the monitor icon to access tutorial videos on the PuritanDownload.com website. The field to the right of this icon displays the number of sets current defined in the KnowledgeBase. To the right of this field is a set of navigation buttons that allows the user to move the row marker one set at a time either forward or backward.

The first column in the second section of the window has a set of “Actions” buttons. Clicking on the green plus-sign icon will display a popup window with the names of defined Saved Search Results Set Lists to which this set can be added. Clicking on the next lower button with a page and green plus-sign icon will allow the user to add and/or edit notes attached to this set. The next button with a page and pencil icon will allow the user to rename the set. The fourth button, a printer icon, prints a report listing all the resources in this set. The last button, a red cross mark, will allow the user to delete this set from the KnowledgeBase.

The second column displays the name of the set. Clicking on the name will open a Saved Search Results Set window displaying all the resources assigned to the set. The third column has a tabbed panel. The first tab displays all the Lists to which the set has been assigned. To the left of the list name is a button with a minus sign in a red circle. Clicking on this button will allow, after confirmation, the user to delete the list assignment. The second tab, “Resources in Set”, displays a listing of all resources in the set. Clicking on the resource name will open a Resource Details window for that particular resource. The last tab displays any notes that have been attached to the set. This is a read-only display.

SAVED SEARCH RESULTS SET LISTS WINDOW

Let's now examine what functionality the "Saved Search Results Set Lists" window contains (Figure 50).

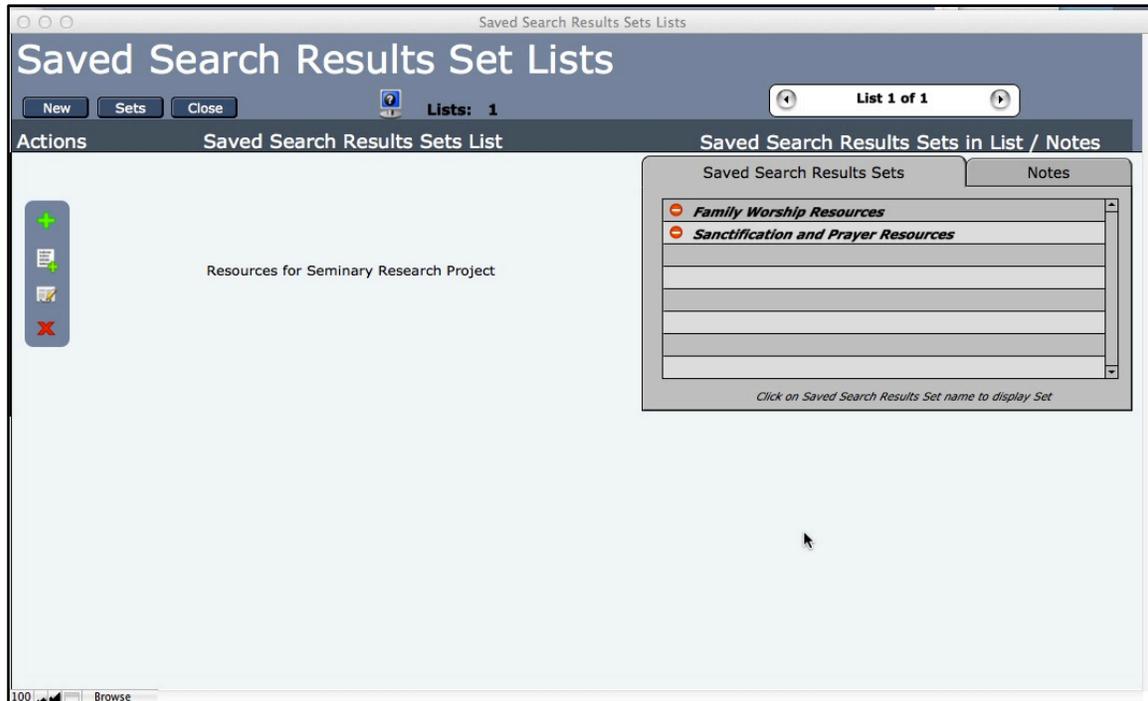


Figure 50 - Saved Search Results Sets Lists Window

Clicking on the "Saved Search Results Set Lists" option on the Main Menu will display the Lists window (or will bring it to the front if already opened) if there are currently such lists defined in the KnowledgeBase. If none exist, a dialog box will appear and give the user the opportunity to create and name one. There are no practical limits to the number of lists that can be created (subject to available disk space). These lists can be created at any time, irrespective of whether there are existing Saved Search Results Sets available to populate those lists.

A row of buttons at the top of the lists window offers the following functionality:

- “New”: will allow the user to create a new list.
- “Sets”: will open a Saved Search Results Sets window listing all of the currently defined Saved Search Results window. This allows the user to examine the sets before possibly adding them to one or more lists. Any individual Saved Search Results Set may be added to an unlimited number of lists.
- “Close”: closes the window. There can only be one copy of the Saved Search Results Set Lists window open at a time. This is true of the Saved Search Results Sets window as well.

The remainder of the interface elements in this top section should be familiar by now: a monitor icon for accessing tutorial videos on PuritanDownloads.com; a field which shows how many lists are available; and, lastly, a set of navigation buttons to move the row marker one list at a time forward or backward.

In the first column of the lower section of the window we see a set of “Actions” buttons. Clicking on the green plus sign button, displays a popup list of defined Saved Search Results Sets that can be added to the list in the current row. Clicking on the name of the set will add it to the target list. The next lower button, a page with a plus sign icon, will allow the user to add or edit notes attached to this list. This is a handy place to define the list’s purpose or any other relevant information. The next icon provides the capability of renaming the list. The last button, a cross mark or “X”, allows the user to delete the list.

The next column displays the list’s name.

The last column contains a tabbed panel that displays the names of the Saved Search Results Sets assigned to the list. To the left of the name is a button with a minus sign in a red circle. Clicking on this button will, after confirmation, delete the set from the list. Clicking on the name of the set will display, in a separate window, the resources contained in the set.

The second tab on the panel will show the notes that have been attached to the list. This is a read-only display.

PDF RESOURCE SETS WINDOW

For the user's browsing convenience, we have organized more than 1,700 PDF resources into related sets (Figure 51). The sets represent either all the pre-defined volumes of a particular work (i.e., The Works of Thomas Manton - 22 Volumes) or a collection of works by the same author (which we call an SWRB Set).

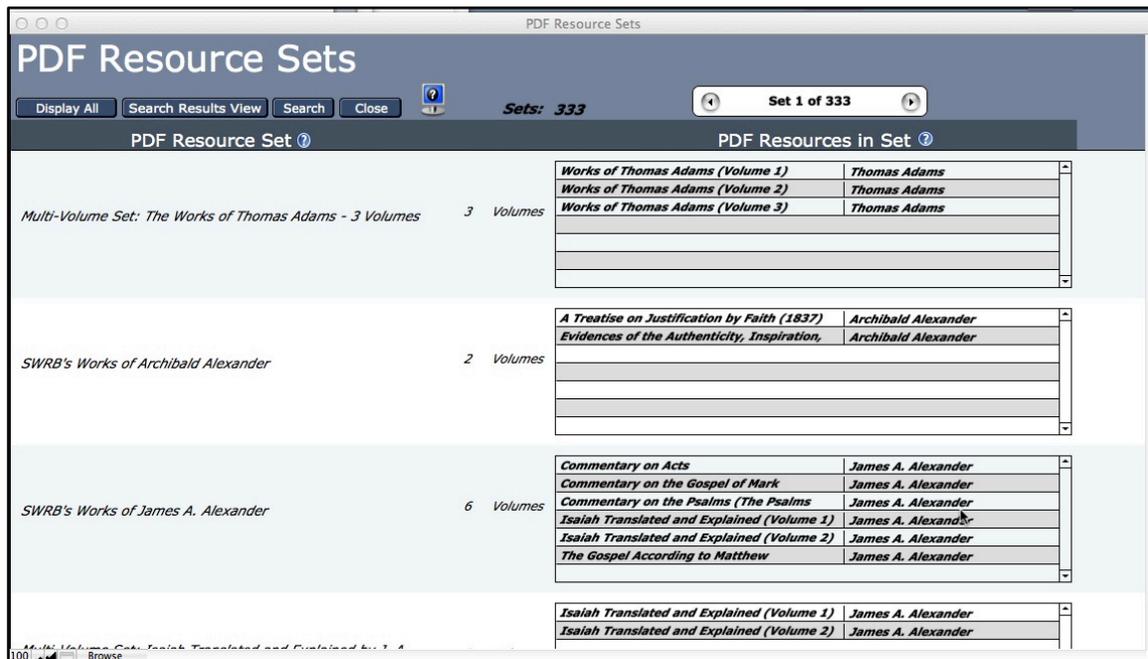


Figure 51 - PDF Resource Sets Window

You can access these PDF Resource Sets by choosing the "PDF Resource Sets" option on the Main Menu. Clicking on the title of any of these sets will display a listing of all the works in the set. Though this listing cannot be modified or deleted, you can transfer these resources to a new Search Results window by clicking on the "Search Results View" button and use it as a basis for further editing and/or searching, as can be done with any Search Results listing.

Let's now examine what functionality the PDF Resource Sets window contains. In the top section of the window is a group of 5 buttons.

- “Display All”: will repopulate the window with all of the pre-defined PDF Resource Sets. This is useful after using the search feature of the window that usually results in a display of a subset of all PDF Resource Sets.
- “Search Results View”: has the same functionality as in all other windows in which it appears. It non-destructively converts the window into a Search Results window that can be edited and/or saved or used as the basis for further exploration of the KnowledgeBase.
- “Search”: opens a dedicated search screen for the PDF Resource Sets. This allows the user to search within the 333 sets (1,715 PDF resources in total) by set title or by resource title among the resources contained in the sets.
- “Close”: will close the current window. Multiple PDF Resource Sets windows may be open simultaneously.

To the right of these buttons is the monitor icon for accessing tutorial videos on the PuritanDownloads.com website. To the right of that icon is a field that shows the number of sets contained in the window. The last interface element in this section is the by now familiar set of navigational buttons that can move the row marker forward and backward through the sets listing.

The second section of the window has three columns. The first column displays the title of the set. Clicking on the title will open another PDF Resource Set window populated with all the resources in the set. The second column shows the number of resources in the set. The third column has a scrolling list of all the resources in the set. Clicking on the title of the resource will open its associated Resource Details Screen.

This completes the tour of the PHD KnowledgeBase Application software. It is the fervent hope and prayer of Still Waters Revival Books that the functionality contained herein will, by the grace of our sovereign Lord, bless and facilitate your study of the thousands of great resources in the PHD collection for many years to come.