

The Picture Repository

PIKTO is an Apple Macintosh application that can be used on macOS Catalina 10.15 and upwards

PIKTO is used to store image data, as well as to serve the selections and reviews between images based on the stored data.

Album is the central concept of PIKTO.

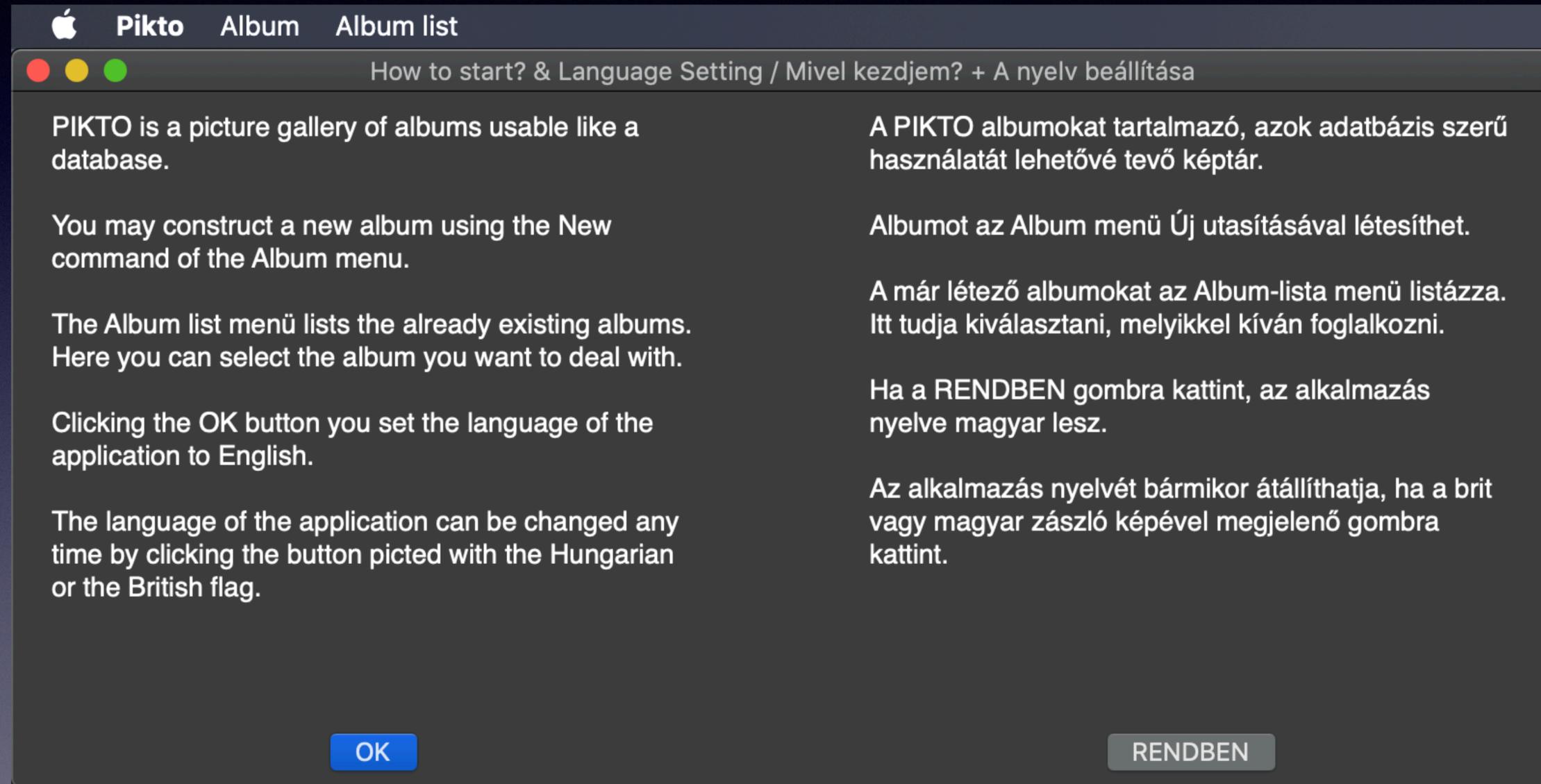
An album contains pictures (actually the links to the pictures) stored in a certain folder on some digital device.

PIKTO gives the user the opportunity to attach information the images, which later on the one hand helps his memory and on the other hand gives the possibility of efficient searching.

It also allows a spectacular overview of the images.

Language Selection

When you start PIKTO for the first time, a language selection window will appear: the application can be used both in English and Hungarian.



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The lines of the table of contents are sensitive: clicking on them will take you to the topic.
You can return to the table of contents by clicking on the PIKTO icon shown here:



Albums

There are three main commands in the PIKTO menu:

creating a new album,

use an existing album or

delete an existing album.

The first time you use it, of course, you need to create a new album. Creation consists of selecting the top folder containing the images of the new album. The application collects the paths of the images in this folder and uses them to make the initial body of the album. (This job requires processing time: it takes about 2-3 minutes for 50,000 images.)

The album is stored as a data file in the Documents folder linked to PIKTO by macOS.

The newly created album can be used immediately.



Album Overview

When you open the album, the application window appears, which is the main area of user communication.

The contents of the window are an introduction to the album's repository, which means that it shows as much information as possible about the current contents of the repository.

The screenshot shows the Pikto application window. The title bar includes the Apple logo, the name 'Pikto', and the album name 'Album'. The status bar at the top right shows system icons, the date and time 'máj. 9., V 9:30', the user name 'Bedö Árpád', and search and menu icons. The main content area is titled 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. It features a list of metadata fields with search and filter options:

Field	Value	Count	Action	Filter
Identifier	bedoarpad•Trips_1	189	Look here	1 - 100
Location	Europe•Hungary•Balatonfüred	17	Look here	Europe
Date	2012-10-21	27	Look here	1970
People	-	10		
Theme	Jókai ship	33	Look here	-
Genres	-	9		
Classification	Balaton;ship	18	Look here	amulet
Type	jpg	1		
File name	DSCN6213	167	Look here	2
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	189	Look here	2019_ma...

At the bottom left, there is a navigation bar with a magnifying glass icon, a flag icon, navigation arrows, and the page indicator '1 / 189'. Below this is a 'Notes' field. On the right side of the window, a large photo of a green and white boat on a lake is displayed.

Album Overview

The screenshot shows the Pikto application interface. The title bar at the top displays the user ID 'Pikto', the album name 'Album', and 'Album list'. The system status bar shows the date and time 'máj. 9., V 9:30' and the user name 'Bedő Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Left Panel:** A list of metadata fields with radio buttons and dropdown menus. Fields include Identifier (bedoarpad•Trips_1), Location (Europe•Hungary•Balatonfüred), Date (2012-10-21), People (-), Theme (Jókai ship), Genres (-), Classification (Balaton;ship), Type (jpg), File name (DSCN6213), and Picture path (Balatonfüred_2012_07/DSCN6213.JPG).
- Right Panel:** A list of counts and search buttons for various categories. Each row has a count, a 'Look here' button, and a dropdown menu. The categories and their counts are: 189 (1-100), 17 (Europe), 27 (1970), 10, 33 (Look here), 9, 18 (Look here, amulet), 1, 167 (Look here, 2), and 189 (Look here, 2019_ma...).
- Bottom Left:** A control line showing 'M' (a small Hungarian flag), navigation arrows, and '1 / 189'.
- Bottom Center:** A 'Notes' field.
- Right Side:** A large image of a green and red boat on a lake.

The title bar of the window provides the user ID, the location of the album's top folder, and the number of album images (repository records).

In the left part of the window, the main information about the repository is displayed in two columns: the left column contains the name of the data (data rows) belonging to the images, the second column contains the data rows of the first record of the data set (repository).

Between data rows 10 and 11 there is a control line, in the middle of which we can see in N / M form that we see the first record of the 189 records belonging to the repository.



Album Overview

The screenshot shows the 'Album Overview' interface in the Pikto application. The top bar displays the app name 'Pikto', the current album 'Album', and 'Album list'. The status bar at the top right shows the date and time 'máj. 9., V 9:30' and the user's name 'Bedő Árpád'. The main content area is titled 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. On the left, there is a sidebar with various filters: Identifier (bedoarpad•Trips_1, 189), Location (Europe•Hungary•Balatonfüred, 17), Date (2012-10-21, 27), People (-, 10), Theme (Jókai ship, 33), Genres (-, 9), Classification (Balaton;ship, 18), Type (jpg, 1), File name (DSCN6213, 167), and Picture path (Balatonfüred_2012_07/DSCN6213.JPG, 189). Each filter has a search button 'Look here' and a dropdown menu. At the bottom left, there is a navigation bar with a magnifying glass icon, a left arrow, a right arrow, and the text '1 / 189'. Below this is a 'Notes' field. On the right side, there is a large image viewer showing a green boat on a lake.

To the right of the previous two ones we see three columns. The first column contains 10 rows of numbers. These numbers contain the number of pieces of information of different content stored from the 189 images in the corresponding row of the data store (without repetitions). The next two columns will be useful during searches.

On the right side of the window you can see the image in question.

This way we immediately know how many pictures (records) there are in the album, we can see row by row how many different data are attached to the pictures, and we can see the data rows of the first picture.



Album Overview

The screenshot shows the 'Pikto' application window. The title bar includes the Apple logo, the name 'Pikto', and the album name 'Album Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 9:30', the user name 'Bedö Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Metadata List:** A list of fields with their values and counts. Each field has a search icon and a 'Look here' button. The fields are: Identifier (bedoarpad•Trips_1, 189), Location (Europe•Hungary•Balatonfüred, 17), Date (2012-10-21, 27), People (-, 10), Theme (Jókai ship, 33), Genres (-, 9), Classification (Balaton;ship, 18), Type (jpg, 1), File name (DSCN6213, 167), and Picture path (Balatonfüred_2012_07/DSCN6213.JPG, 189).
- Navigation:** A bar with a magnifying glass icon, a 'Look' button, and a 'Look here' button. It also shows a page indicator '1 / 189' and navigation arrows.
- Notes:** A text input field labeled 'Notes'.
- Image:** A large photo of a green and white boat on a lake, docked at a pier.

The rows of stored data are divided into two groups: some rows are exclusive property of the application (ID, Type, File name, Picture path), the others are of the user (Location, Date, People, Theme, Genre, Classification, Notes).

The application's own data sets are given a value when the album is created and cannot be changed later. The contents of the user's rows can be modified (updated) at any time.

There is a row of data that the application fills in when creating the album, although the row belongs to the user: this is the Date, the date the image was created. This information is most often the date the picture was taken, but not in all cases. The user can change this date.

Because the user has not yet attached any data to the images, the user's data shows an empty data row (-) sign except for the Date and Notes rows. There is nothing in the Notes row. As we have seen, the initial value of the Date is filled in by the application.



Metadata

Each image also contains so-called metadata. This information does not play a role in showing the the image, but the location, exact time, etc. of the photograph may be important to know and useful in various searches.

You can see the album metadata by clicking on the button (labeled M) on the left side of the already mentioned control line (between lines 10 and 11). The application window then grows down and 13 rows of data are added. If we see the metadata and click the M button again, the application window will be smaller, the metadata will disappear.

The application fills all metadata when you create or sync the album. Metadata cannot be updated by the user.

If, for any reason, the image does not contain the named metadata (such as Altitude data), an empty data row sign (-) is displayed.

The screenshot shows the Pikto application interface. At the top, the title bar reads 'Pikto Album Album list' and the status bar shows 'máj. 9., V 9:42' and 'Bedő Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Album Metadata (Left):** A list of album-level metadata with radio buttons and dropdown menus:
 - Identifier: bedoarpad-Trips_1 (189 records)
 - Location: Europe•Hungary•Balatonfüred (17 records)
 - Date: 2012-10-21 (27 records)
 - People: - (10 records)
 - Theme: Jókai ship (33 records)
 - Genres: - (9 records)
 - Classification: Balaton;ship (18 records)
 - Type: jpg (1 record)
 - File name: DSCN6213 (167 records)
 - Picture path: Balatonfüred_2012_07/DSCN6213.JPG (189 records)
- Image (Right):** A photograph of a green and red boat on a lake.
- Image Metadata (Bottom):** A list of image-level metadata with radio buttons and dropdown menus:
 - Orientation: landscape (2 records)
 - Width in pixels: 1801 (99 records)
 - Height in pixels: 1428 (98 records)
 - Dpi: 72 (4 records)
 - Focal length: 5.7 (26 records)
 - Altitude: - (30 records)
 - Longitude: - (36 records)
 - Latitude: - (35 records)
 - Device: NIKON – E4600 (10 records)
 - Creation date: 2012-10-21 (26 records)
 - Creation time: 12:03:44 (128 records)
 - Modification date: 2012-10-21 (24 records)
 - Modification time: 12:03:45 (189 records)
- Control Elements:** A central navigation bar with a magnifying glass icon, a 'Look here' button, and a 'Look' button. Below it is a 'Notes' field.



Search Options - even before entering user information

The application's search steps are actually filters: they select the image set that has the data you're looking for in the entire album.

Initially, we can only search the user's data in the Date row, since the user has not yet entered anything. In contrast, rows of metadata can be used for search immediately in full.

The different searches can be used one after the other, narrowing the selected set of images so that we can narrowly define the images we are interested in step by step.

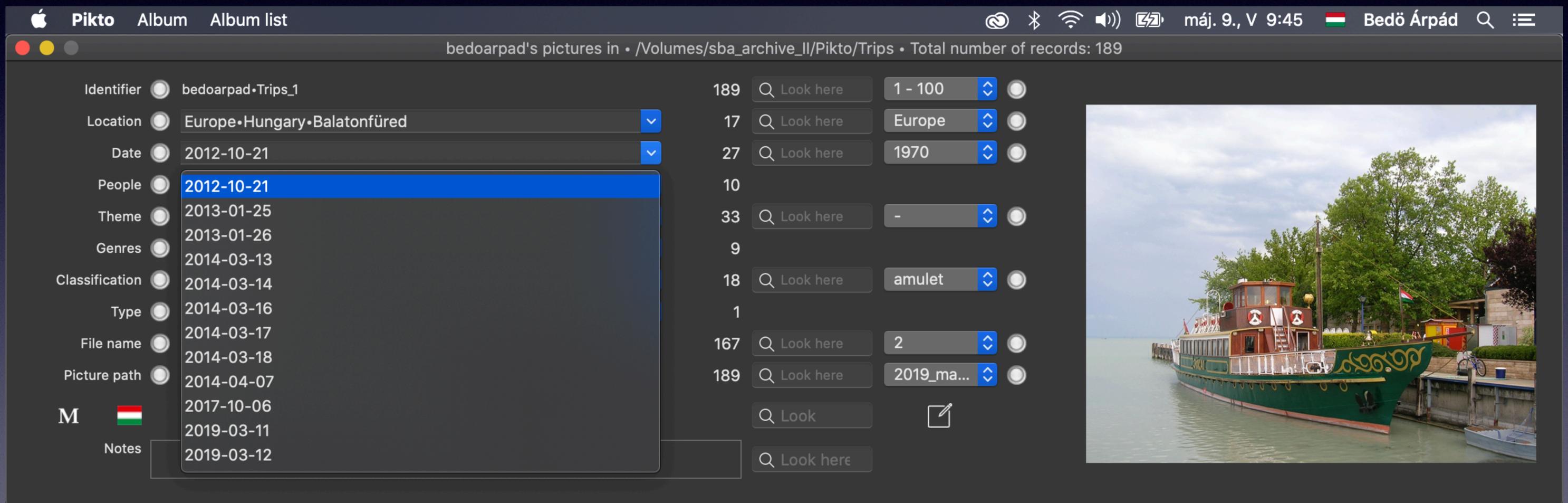
The screenshot displays the Pikto application interface. The top bar shows the app name 'Pikto', the current album 'Album', and 'Album list'. The system status bar at the top right indicates the date and time 'máj. 9., V 9:42' and the user 'Bedő Árpád'. The main content area is titled 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. It features a list of search filters on the left and a grid of filter results on the right. The filters include: Identifier (bedoarpad•Trips_1, 189), Location (Europe•Hungary•Balatonfüred, 17), Date (2012-10-21, 27), People (-, 10), Theme (Jókai ship, 33), Genres (-, 9), Classification (Balaton;ship, 18), Type (jpg, 1), File name (DSCN6213, 167), Picture path (Balatonfüred_2012_07/DSCN6213.JPG, 189), Orientation (landscape, 2), Width in pixels (1801, 99), Height in pixels (1428, 98), Dpi (72, 4), Focal length (5.7, 26), Altitude (-, 30), Longitude (-, 36), Latitude (-, 35), Device (NIKON - E4600, 10), Creation date (2012-10-21, 26), Creation time (12:03:44, 128), Modification date (2012-10-21, 24), and Modification time (12:03:45, 189). Each filter has a search icon and a 'Look here' button. A navigation bar shows 'M', a Hungarian flag, and '1 / 189'. A 'Notes' field is present. On the right, a large photo of a green and red boat on a lake is displayed.



Search by Data Row (Date) Values

The date is displayed in the window as the title of a drop-down menu. If you click the down arrow on the right side of the drop-down menu title bar, the row of stored dates (exactly as many rows as there are different values for that row) will expand in ascending order.

Here we see only twelve of the 26 data, the others can be viewed by the usual scrolling.

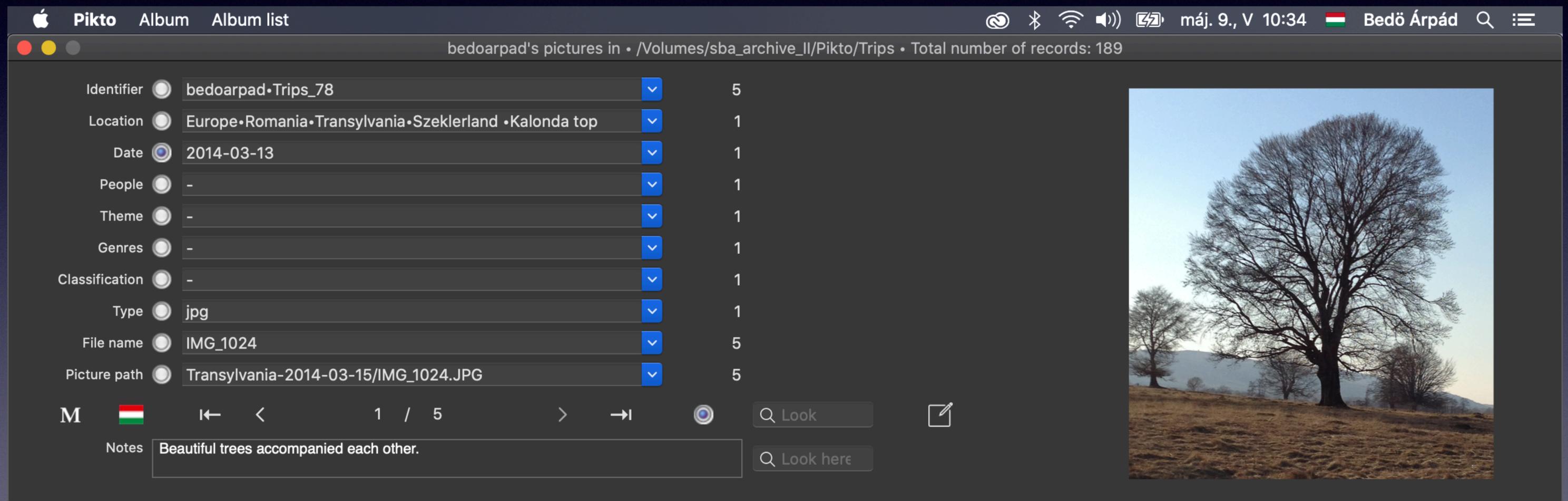


The screenshot shows the Pikto application window. The title bar includes the Apple logo, the name 'Pikto', and the path 'Album Album list'. The status bar at the top right shows system icons, the date 'máj. 9., V 9:45', the user name 'Bedö Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a sidebar with various filters: Identifier (bedoarpad•Trips_1), Location (Europe•Hungary•Balatonfüred), Date (2012-10-21), People (2012-10-21), Theme (2013-01-25), Genres (2013-01-26), Classification (2014-03-13), Type (2014-03-14), File name (2014-03-16), Picture path (2014-03-17), and Notes (2014-03-18, 2014-04-07, 2017-10-06, 2019-03-11, 2019-03-12). A dropdown menu is open for the 'Date' filter, showing a list of dates. To the right of the filters is a table with columns for record counts, search buttons, and filter values. A large image of a green boat is displayed on the right side of the window.

Filter	Value	Count	Action
Identifier	bedoarpad•Trips_1	189	Look here
Location	Europe•Hungary•Balatonfüred	17	Look here
Date	2012-10-21	27	Look here
People	2012-10-21	10	
Theme	2013-01-25	33	Look here
Genres	2013-01-26	9	
Classification	2014-03-13	18	Look here
Type	2014-03-14	1	
File name	2014-03-16	167	Look here
Picture path	2014-03-17	189	Look here
Picture path	2014-03-18		
Picture path	2014-04-07		
Picture path	2017-10-06		
Picture path	2019-03-11		
Picture path	2019-03-12		

Search by Data Row (Date) Values

If you click on one of the menu lines (2014-03-13), the application will select the records (images) that have this date. This selection produces a subset of the entire repository. The subset is showed in the same mode as the entire data repository was presented initially.



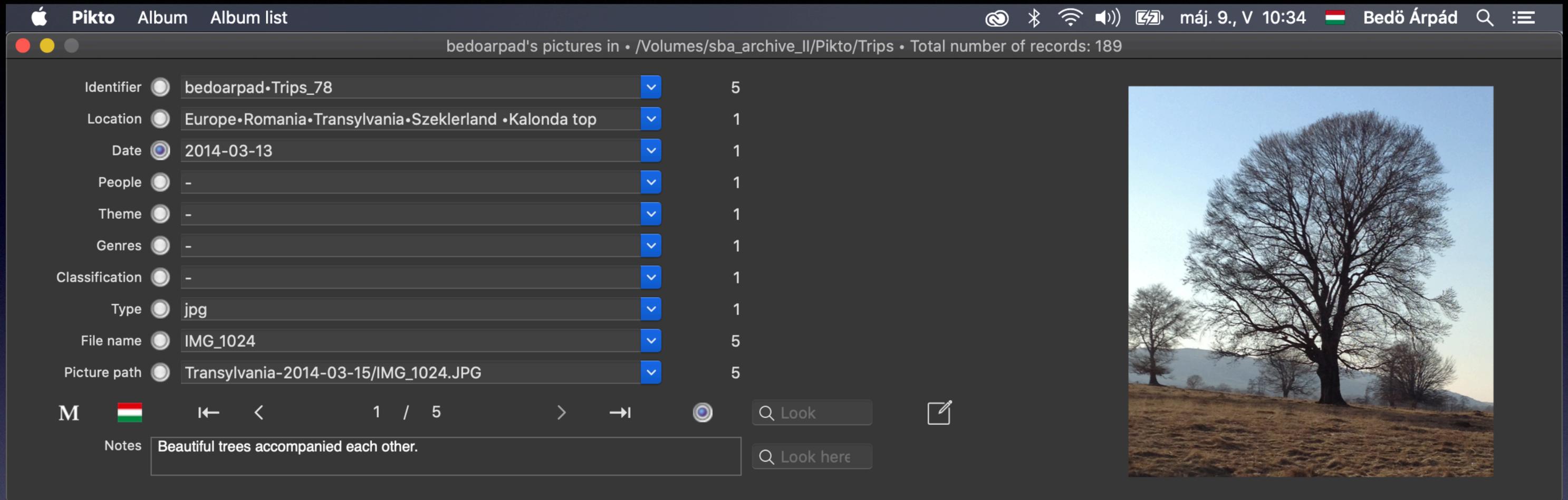
The screenshot shows the Pikto application interface. The top bar includes the application name 'Pikto', navigation options 'Album' and 'Album list', system status icons, the date 'máj. 9., V 10:34', the user name 'Bedö Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The left sidebar contains a list of filters with radio buttons and dropdown menus:

Filter	Value	Count
Identifier	bedoarpad•Trips_78	5
Location	Europe•Romania•Transylvania•Szeklerland •Kalonda top	1
Date	2014-03-13	1
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	IMG_1024	5
Picture path	Transylvania-2014-03-15/IMG_1024.JPG	5

Below the filters is a navigation bar with a magnifying glass icon, a flag icon, navigation arrows, a page indicator '1 / 5', and buttons for 'Look' and 'Look here'. A 'Notes' field contains the text 'Beautiful trees accompanied each other.' On the right side of the interface, a large image of a tree is displayed.



Search by Data Row (Date) Values



The screenshot shows the Pikto application window. The title bar includes the Apple logo, the name 'Pikto', and the path 'Album Album list'. The status bar at the top right shows system icons, the date 'máj. 9., V 10:34', the user name 'Bedö Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. On the left, there is a list of search filters with dropdown menus and a count for each:

Filter	Value	Count
Identifier	bedoarpad•Trips_78	5
Location	Europe•Romania•Transylvania•Szeklerland •Kalonda top	1
Date	2014-03-13	1
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	IMG_1024	5
Picture path	Transylvania-2014-03-15/IMG_1024.JPG	5

Below the filters, there is a navigation bar with a magnifying glass icon, a flag of Hungary, navigation arrows, and the text '1 / 5'. There are also 'Look' and 'Look here' buttons. A 'Notes' field contains the text 'Beautiful trees accompanied each other.' On the right side of the window, a large photo of a tree in a field is displayed.

We see that there are 5 such images.

A blue bead will appear in the centre of the button in front of the data row used - it was previously white circular - indicating that there was a value selection in this data row.

If we click on the little blue bead, the selection is canceled, we get back the window content before the selection.



Select the Visible Data Value

You can also select the currently visible data (date of the first image: 2012-10-21) by clicking on the white circular button in front of the line. The little blue bead also appears.

We see that on 2012-10-21 we took 2 pictures. Clicking on the little blue bead will deselect them.

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. System status icons for Bluetooth, Wi-Fi, and battery are visible, along with the date and time 'máj. 9., V 10:39' and the user name 'Bedö Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. Below the title is a list of metadata fields with radio buttons and dropdown menus, and a count of records for each. The 'Date' field is selected, showing '2012-10-21' with a count of 1. A blue bead is visible on the 'Date' radio button. Below the list is a navigation bar with a magnifying glass icon, a search input field containing 'Look', and a 'Look here' button. A preview image of a green and red boat is shown on the right side of the interface.

Field	Value	Count
Identifier	bedoarpad•Trips_1	2
Location	Europe•Hungary•Balatonfüred	2
Date	2012-10-21	1
People	-	1
Theme	Jókai ship	2
Genres	-	2
Classification	Balaton;ship	2
Type	jpg	1
File name	DSCN6213	2
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	2

Search by Metadata

We can search the rows of metadata in the same way based on data values.

In the Device row, we look for Apple - iPhone 4S in the drop-down menu and select the Apple - iPhone 4S device.

The screenshot shows the Pikto application interface. At the top, the title bar reads "Pikto Album Album list" and the status bar shows "máj. 9., V 10:41" and "Bedő Árpád". The main window title is "bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189".

The interface is divided into several sections:

- Metadata List:** A list of metadata fields with radio buttons and dropdown menus. Fields include Identifier (bedoarpad•Trips_1), Location (Europe•Hungary•Balatonfüred), Date (2012-10-21), People (-), Theme (Jókai ship), Genres (-), Classification (Balaton;ship), Type (jpg), File name (DSCN6213), and Picture path (Balatonfüred_2012_07/DSCN6213.JPG).
- Search and Filter:** A search bar with "look" entered, and a "Look here" button. A dropdown menu for "Device" is open, showing a list of devices: Apple - iPhone 4S, Canon - Canon EOS 300D DIGITAL, Microsoft - Lumia 640 Dual SIM, **NIKON - E4600** (highlighted), Nokia - E51, OLYMPUS OPTICAL CO.,LTD - C100,D370, Panasonic - DMC-FZ38, Panasonic - DMC-TZ3, and SONY - DSC-N2.
- Navigation:** A navigation bar with "M", a Hungarian flag, and navigation arrows. It shows "1 / 189" records.
- Image Preview:** A large image of a green and red boat on a lake.
- Summary Table:** A table of metadata values and their counts. For example, "Orientation" has 2 records, "Width in pixels" has 99, "Height in pixels" has 98, "Dpi" has 4, "Focal length" has 26, "Altitude" has 30, "Longitude" has 36, "Latitude" has 35, "Device" has 10, "Creation date" has 26, "Creation time" has 128, "Modification date" has 24, and "Modification time" has 189.



Search by Metadata

Here we see that we took 36 pictures for this album with the Apple - iPhone 4S ID device, in a mixed portrait and landscape position, with 26 different widths and 28 different heights, the same focal length, at nine different dates.

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date 'máj. 9., V 10:43', the user name 'Bedő Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Metadata Search:** A list of metadata fields with search filters and counts. Fields include Identifier (36), Location (6), Date (9), People (1), Theme (6), Genres (3), Classification (2), Type (1), File name (36), and Picture path (36).
- Image Preview:** A large image showing a cityscape with a river and a bridge, likely Budapest.
- Navigation and Controls:** A central navigation bar with a magnifying glass icon, a search input field containing 'Look', and a 'Look here' button. Below it is a 'Notes' field.
- Advanced Metadata Search:** A list of advanced metadata fields with search filters and counts. Fields include Orientation (2), Width in pixels (26), Height in pixels (28), Dpi (1), Focal length (1), Altitude (28), Longitude (34), Latitude (33), Device (1), Creation date (9), Creation time (35), Modification date (5), and Modification time (36).



Search Using Strings

The column to the right of the column showing the counters of different data values displays fields (search boxes) that allow you to make textual search. (If the number of different values is less than 12, the search box will not appear because it is easier to reach your search goal using the drop-down menu already discussed above.)

After selecting the search box, you can enter some characters. The application searches for the entered sequence of characters in the values of the data row and thus determines the selected image set. (The comparison is case insensitive.) If there are no results, the data window will be completely blank.

Entering 2004 in the search box of the Date row will display the following window contents (6 images was created for the album in 2004):

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. System status icons for Bluetooth, Wi-Fi, and volume are visible, along with the date and time 'máj. 9., V 10:45' and the user name 'Bedö Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. Below the title is a list of filters with their respective counts:

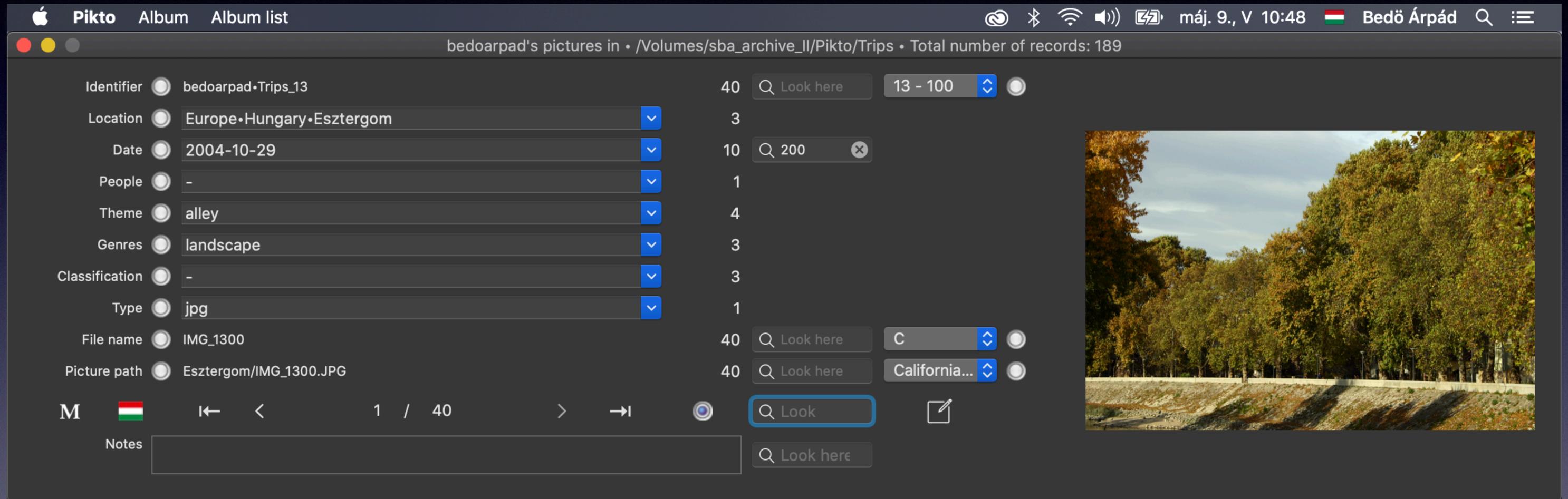
Field	Value	Count
Identifier	bedoarpad•Trips_13	6
Location	Europe•Hungary•Esztergom	3
Date	2004-10-29	3
People	-	1
Theme	alley	4
Genres	landscape	3
Classification	-	3
Type	jpg	1
File name	IMG_1300	6
Picture path	Esztergom/IMG_1300.JPG	6

The 'Date' filter has a search box containing '2004'. Below the filters is a navigation bar with a magnifying glass icon, a search box containing 'Look', and a 'Look here' button. A large image of a park with trees is displayed on the right side of the window.

Search Using Strings

If the selected image set is too small, you can delete the entered characters.

Deleting 4 gives:



This window shows that between 2000 and 2009, we took 40 pictures for the album.

Deleting all digits returns you to the state before the search.

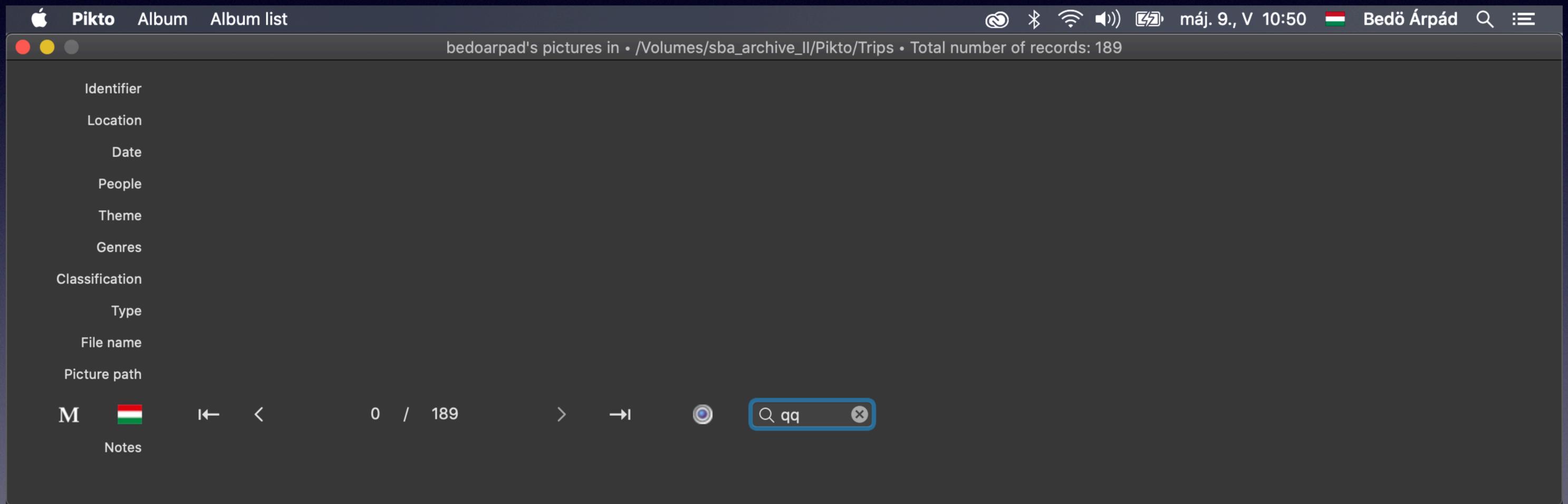


Search Using Strings

There are two more textual search fields. One of them is the last but one of the search box column, it is in the control line. Using this one the application searches the entire (non-meta) repository data for the string given. If you give a sequence of characters that is not in the repository, you get the appearance of an empty repository.

The search box at the bottom is used for textual search in the Notes row.

Entering the characters qq in the search box for the entire repository gives the appearance of the empty selected image set:



A blue beaded button also appears in the control line at each step of the search. Click this button to cancel all filtering to get the data window of the entire repository.



Search Using Value Ranges

It should be mentioned that data rows have types based on their value type. We list the types of data rows:

Identifier	— number,
Location	— location,
Date	— date,
People	— string series,
Topic	— string,
Genres	— string,
Classification	— key series,
Type	— string,
Name	— string,
Picture path	— path,
Notes	— text,
Orientation	— one of the two words (portrait or landscape),
Width in pixels	— number,
Height in pixels	— number,
Dpi	— number,
Focal length	— number,
Altitude	— number,
Longitude	— number,
Latitude	— number,
Device	— string,
Creation date	— date,
Creation time	— time,
Modification date	— date,
Modification time	— time.

To the right of the search boxes column there is a column of menus for using value ranges for filtering. These menus are built according the types of the rows.



Using Number Intervals

Most interval menus belong to number type rows. Both in the initial states and in any of the steps of the filtering, these menus contain intervals between the minimum and maximum of the numerical values in the set of possible values with appropriate decimal steps.

The result of the use of this menu is the set of records in which the numerical value of the data row fall within the selected interval.

Expanding the number range of the Altitude metadata row gives:

The screenshot shows the Pikto application interface. The top bar displays the album name 'Album Album list', the user name 'Bedő Árpád', and the date 'máj. 9., V 10:53'. The main area shows a list of metadata rows for a photo. The 'Altitude' row is selected, and its interval menu is open, showing a list of numerical ranges from 9-100 to 900-976. A large photo of a green boat is visible on the right side of the interface.

Field	Value	Count	Search	Interval
Identifier	bedoarpad•Trips_1	189	Look here	1 - 100
Location	Europe•Hungary•Balatonfüred	17	Look here	Europe
Date	2012-10-21	27	Look here	1970
People	-	10		
Theme	Jókai ship	33	Look here	-
Genres	-	9		
Classification	Balaton;ship	18	Look here	amulet
Type	jpg	1		
File name	DSCN6213	167	Look here	2
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	189	Look here	2019_ma...
Orientation	landscape	2		
Width in pixels	1801	99	Look here	450 - 1 0...
Height in pixels	1428	98	Look here	480 - 1 0...
Dpi	72	4		
Focal length	5.7	26	Look here	4,50000...
Altitude	-	30	Look here	✓ 9 - 100 100 - 200 500 - 600 600 - 700 800 - 900 900 - 976
Longitude	-	36	Look here	
Latitude	-	35	Look here	
Device	NIKON - E4600	10		
Creation date	2012-10-21	26	Look here	1970
Creation time	12:03:44	128	Look here	00
Modification date	2012-10-21	24	Look here	2004
Modification time	12:03:45	189	Look here	00



Using Number Intervals

As we have seen, we can choose with 100 meter intervals. Select 500 - 600. If we chose, we can see that we have 20 such images.

If there are more than 12 different values left in the given data row, the elements of the interval menu are rebuilt according to the new situation and we can continue to narrow the selected set using the new - narrower - intervals:

The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', the current album 'Album list', and system status icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. On the left, there are various filters for Identifier, Location, Date, People, Theme, Genres, Classification, Type, File name, and Picture path. Below these is a navigation bar with a map icon, a flag, and a list of 20 items. The right side of the interface displays a list of records with columns for a search icon, a 'Look here' button, and a number interval. The interval '520 - 530' is currently selected and highlighted in blue. A dropdown menu is open for this interval, showing options: '505 - 510', '510 - 520', '520 - 530' (selected), and '550 - 560'. A preview image of a stained glass window is visible on the right side of the interface.

Using Number Intervals

If the interval 520-530 is selected, we get the image on the right.

Here we see that in this height interval on 2014-03-16, we took 5 portrait images with the Apple - iPhone 4S device, at 3 different heights, in 4 different locations.

As can be deduced from the pixel width and height data, each image was cropped.

The screenshot shows the Pikto application interface. At the top, the title bar reads "Pikto Album Album list" and the status bar shows "máj. 9., V 10:58" and "Bedő Árpád". The main window title is "bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189".

The left sidebar contains a list of metadata fields with filters and counts:

Identifier	bedoarpad•Trips_86	5
Location	-	1
Date	2014-03-16	1
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	IMG_1061	5
Picture path	Transylvania-2014-03-15/IMG_1061.JPG	5
Orientation	portrait	1
Width in pixels	1344	5
Height in pixels	1386	5
Dpi	72	1
Focal length	4.28	1
Altitude	527	3
Longitude	25.779379	4
Latitude	45.85837	4
Device	Apple - iPhone 4S	1
Creation date	2014-03-16	1
Creation time	10:30:13	5
Modification date	2014-04-07	1
Modification time	06:52:20	5

The right side of the interface shows a preview of a stained glass window with a figure. Below the preview, there is a search bar with "Look" and "Look here" buttons. At the bottom right, a search filter "520 - 530" is selected.

Date and Time Intervals

Date intervals

The date has a definite format. This document was prepared on 2021-04-26, which is April 26, 2021. The interval menu, which is built for date rows, contains the years in the first round. If you select one of the years, the new menu contains the year and months. If you select the year and month, the menu contains the selected year and month and all the days in that data series. The interval menu is not built up if the different dates in the data row contain up to 12 values. Its use is similar to number intervals.

Time intervals

The time has also a definite format. The current time for writing this text is 20:05:12, which is twenty hours 5 minutes 12 seconds. The interval menu for the time rows contains the hours in the first round. If you select one of the hours, the new menu contains the hour and minutes. If you select the hour and minute, the new menu contains the selected hour and minute and all the seconds in that data series. The interval menu is not built up if the different times in the data row contain up to 12 values. Its use is similar to date intervals.



The “intervals” of Strings and String Series

Initially the interval menu of strings (texts) contains the first letters of the values of the data set of the given row. Here upper case and lower case letters are taken to be different. If you select the first letter, the new menu contains the strings of the first two letters that occur in the data set of the row. From this we can choose again, etc. If the menu has only one item, we can be sure that all the data values of this row in the selected set are the same in the continuation of the strings as well. (Our experience is that in most cases, we can find what we wanted to see in three steps.)

The string series (text series) consists of elements separated by semicolons. The series "Éva;Laci;István Kovács;Zoli" has four elements. The interval menu of the string series contains an ABC list of all elements that occur in the data set of the row in question. If we select one, we get all the records in which the selected member appears as a series element in the given row. The menu is rebuilt if the last result contains more than 12 different values.

The PIKTO contains two data rows of string series: the People and the Classification data rows.



Search by Image Paths

The images on the devices are stored in a folder (directory) hierarchy. Their accessing paths looks like xxx/yyy/zzz.jpg. In front of the image name there are as many folder names as the depth of the image in the folder hierarchy. The path xxx/yyy/zzz.jpg reads as "There is a jpg image named zzz in the yyy folder which is in the xxx folder in the top folder of the album."

The interval menu items for the image paths show the names of the folders and the file names of the images (in the form of name.type). Menu items indicate the hierarchy level with a point token (•) in front of the folder or image name. (No points: first level, one point: second level..., six points: seventh level, etc.)

The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', album name 'Album', and 'Album list'. The status bar at the top right shows the date 'máj. 9., V 11:02' and the user 'Bedő Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of filters on the left, a search bar, and a dropdown menu on the right. The dropdown menu is open, showing a list of search results with a checkmark next to '2019_march'.

Filter	Value	Count
Identifier	bedoarpad•Trips_1	189
Location	Europe•Hungary•Balatonfüred	17
Date	2012-10-21	27
People	-	10
Theme	Jókai ship	33
Genres	-	9
Classification	Balaton;ship	18
Type	jpg	1
File name	DSCN6213	167
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	189

Search bar:

Dropdown menu items:

- ✓ 2019_march
- Arad-2017-10-06
- Balatonfüred_2011_10
- Balatonfüred_2012_07
- Brussels-Brugge_2013_01
- Buda_castle_2012_jan
- California_2009_10
- Esztergom
- Fraknó_2010_05_01
- Gyöngyöspata_selection
- Transcarpathia
- Transylvania-2014-03-15
- Transylvania_Éva_2014_03
 - 117_PANA
 - 118_PANA
 - Fishing lake
 - JPG
 - JPG_from_Bálint
 - JPG_from_Laci_72
 - Temple
 - transcarpathia_2004_08
 - • Oven
 - • Transcarpathia1
 - • Transcarpathia2
 - • Transcarpathia3
 - • Transcarpathia4
 - • Transcarpathia5



Search by Image Paths

If we select the folder name Gyöngyöspata_selection - and then say goodbye to the metadata - we get:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date 'máj. 9., V 11:05', the user name 'Bedö Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of search filters on the left, each with a radio button, a text input, and a count. The filters are: Identifier (bedoarpad•Trips_107, 20), Location (-, 1), Date (2020-07-01, 4), People (-, 1), Theme (-, 1), Genres (-, 1), Classification (-, 1), Type (jpg, 1), File name (20200630_105552, 20), and Picture path (Gyöngyöspata_selection/Fishing lake/20200630_105552.jpg, 20). Below the filters is a navigation bar with a magnifying glass icon, a search input field containing 'Look', and a 'Look here' button. A preview image on the right shows a lake scene with a building and a small boat. The bottom left corner has a 'Notes' field and a 'Look here' button.

Filter	Value	Count
Identifier	bedoarpad•Trips_107	20
Location	-	1
Date	2020-07-01	4
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	20200630_105552	20
Picture path	Gyöngyöspata_selection/Fishing lake/20200630_105552.jpg	20



Search by Image Paths

The interval menu for image paths will be as follows:

The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', navigation options 'Album' and 'Album list', system status icons, the date 'máj. 9., V 11:07', the user name 'Bedö Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of search filters on the left, each with a radio button, a text input, and a count. The 'Picture path' filter is selected, and its dropdown menu is open, showing a tree structure of folders and files. A preview image of a lake scene is visible on the right.

Filter	Value	Count
Identifier	bedoarpad•Trips_107	20
Location	-	1
Date	2020-07-01	4
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	20200630_105552	20
Picture path	Gyöngyöspata_selection/Fishing lake/20200630_105552.jpg	20

Interval menu for 'Picture path':

- ✓ Gyöngyöspata_selection
 - Fishing lake
 - Temple
 - • Oven

Search by Image Paths

By choosing the Oven folder name, this is the result (there are two images in the Oven folder):

The screenshot shows the Pikto application window. The title bar includes the Apple logo, the name 'Pikto', and menu options 'Album' and 'Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 11:09', the user name 'Bedö Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of search filters on the left, each with a radio button, a text input field, a dropdown arrow, and a count. The 'Picture path' filter is selected, showing the path 'Gyöngyöspata_selection/Fishing lake/Oven/DSCN1696.JPG' with a count of 2. Below the filters is a navigation bar with a magnifying glass icon, a 'Look' button, and a 'Look here' button. A 'Notes' field is also present. On the right side, a large image of a fire in an oven is displayed. The 'Oven' folder name is visible in the bottom right corner of the main area.

Filter	Value	Count
Identifier	bedoarpad•Trips_109	2
Location	-	1
Date	2006-09-16	2
People	-	1
Theme	-	1
Genres	-	1
Classification	-	1
Type	jpg	1
File name	DSCN1696	2
Picture path	Gyöngyöspata_selection/Fishing lake/Oven/DSCN1696.JPG	2



The Search Interval for the Location Data Row

Location is hierarchical data. The levels of the hierarchy are separated by the point token (•). This is a detailed Location data: Earth•Europe•Hungary•Pest county•Biatorbágy.

The details of the hierarchy depend on the user. It is also possible that simply Biatorbágy is the data of the Location row without hierarchy.

If no detail is provided, the interval menu items for the Location data row are the names of the locations.

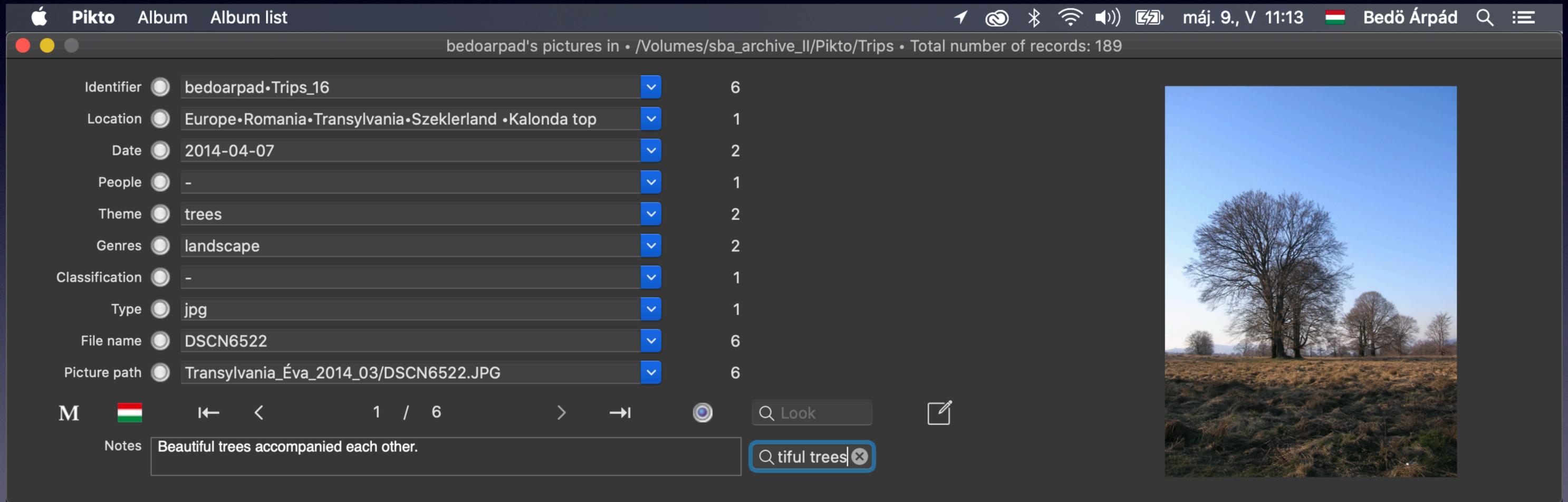
If so, the top levels will be selected first. (In our example, the planet, i.e. Earth.) Then the countries, and so on.

Its use is similar to the previous ones.



Search the Texts in the Notes

The application searches for the string typed in the search box of the Notes anywhere in the texts of Notes, similar to what you have seen so far. The search is case insensitive. We put the letters “beautiful trees” in the search box and got six results:



The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. System status icons and the date 'máj. 9., V 11:13' are on the right. Below the top bar, the current album is identified as 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. A list of filters is displayed on the left, each with a radio button, a dropdown menu, and a count:

Filter	Value	Count
Identifier	bedoarpad•Trips_16	6
Location	Europe•Romania•Transylvania•Szeklerland •Kalonda top	1
Date	2014-04-07	2
People	-	1
Theme	trees	2
Genres	landscape	2
Classification	-	1
Type	jpg	1
File name	DSCN6522	6
Picture path	Transylvania_Éva_2014_03/DSCN6522.JPG	6

Below the filters, there is a navigation bar with a magnifying glass icon, a 'Look' button, and a search box containing 'tiful trees'. A 'Notes' field is visible below the navigation bar, containing the text 'Beautiful trees accompanied each other.' To the right of the search box, a large image of a landscape with trees is displayed.



Image Views

By default, the image with the currently visible data is seen to the right of the data. (We've seen it before.)

Here we draw your attention to the four signs in the control line: the < and > (previous and next) and the ◀ and ▶ (first and last) signs. These are titles of buttons. When clicked, the application moves to the previous or next record, or to the first or last one. The stepping goes round: the last is followed by the first, the first is preceded by the last.

If we move forward (right) 20 steps after the initial view (first picture), we get:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the app name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date 'máj. 9., V 13:41', the user name 'Bedö Árpád', and various system icons. Below the top bar, the breadcrumb path reads 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The main interface is divided into two columns. The left column contains a list of filters with radio buttons and dropdown menus: Identifier (bedoarpad•Trips_21), Location (Europe•Romania•Transylvania•Szeklerland •Székelyderzs), Date (2014-04-07), People (St. László), Theme (legend of St. László), Genres (mural), Classification (mural), Type (jpg), File name (DSCN6551), and Picture path (Transylvania_Éva_2014_03/DSCN6551.jpg). The right column displays a list of records with counts and search buttons: 189 Look here, 17 Look here, 27 Look here, 10, 33 Look here, 9, 18 Look here, 1, 167 Look here, 189 Look here, and 2019_ma... Look here. At the bottom left, there is a control line with a magnifying glass icon, a flag icon, navigation arrows (◀, ▶, ◀, ▶), and the text '21 / 189'. Below the control line is a 'Notes' field. On the right side of the interface, a large image of a mural is displayed, showing a figure on a horse and another figure standing next to it.

Image Views

If you double-click on the image, the image will be displayed at nearly screen size in an image window. (If the image is smaller than the window, we'll see it as large as its original size.) When you see the big picture, you can use the left and right arrow keys on the keyboard for scrolling. It allows you to scroll forward or backward through the images of the preselected image set.

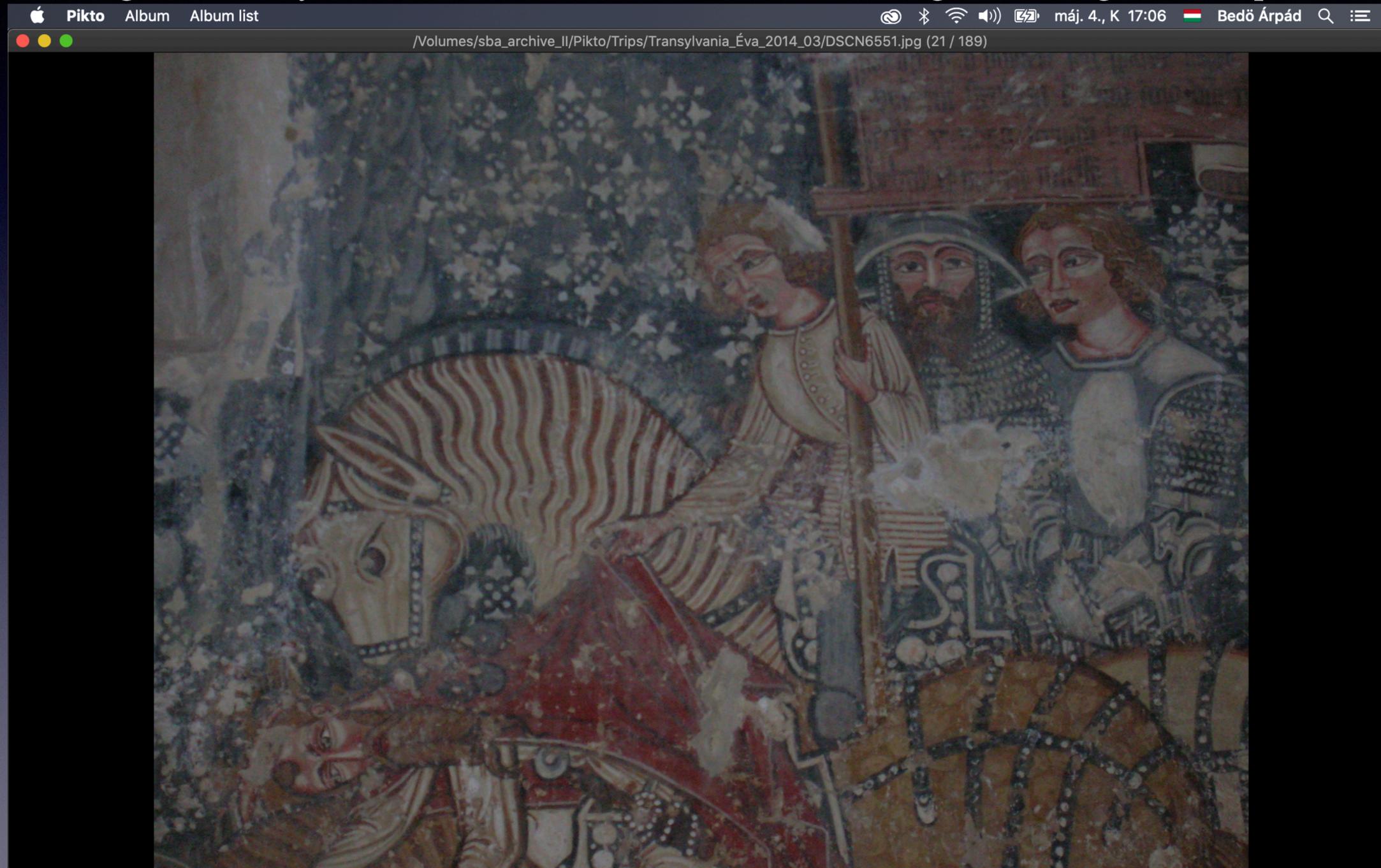


Image Views

You can scroll through several images in one step by pressing the up arrow key on the keyboard when you see the big picture. Up to 20 images of the currently selected image set, including the visible image, will appear on the screen after 1 or 2 seconds.

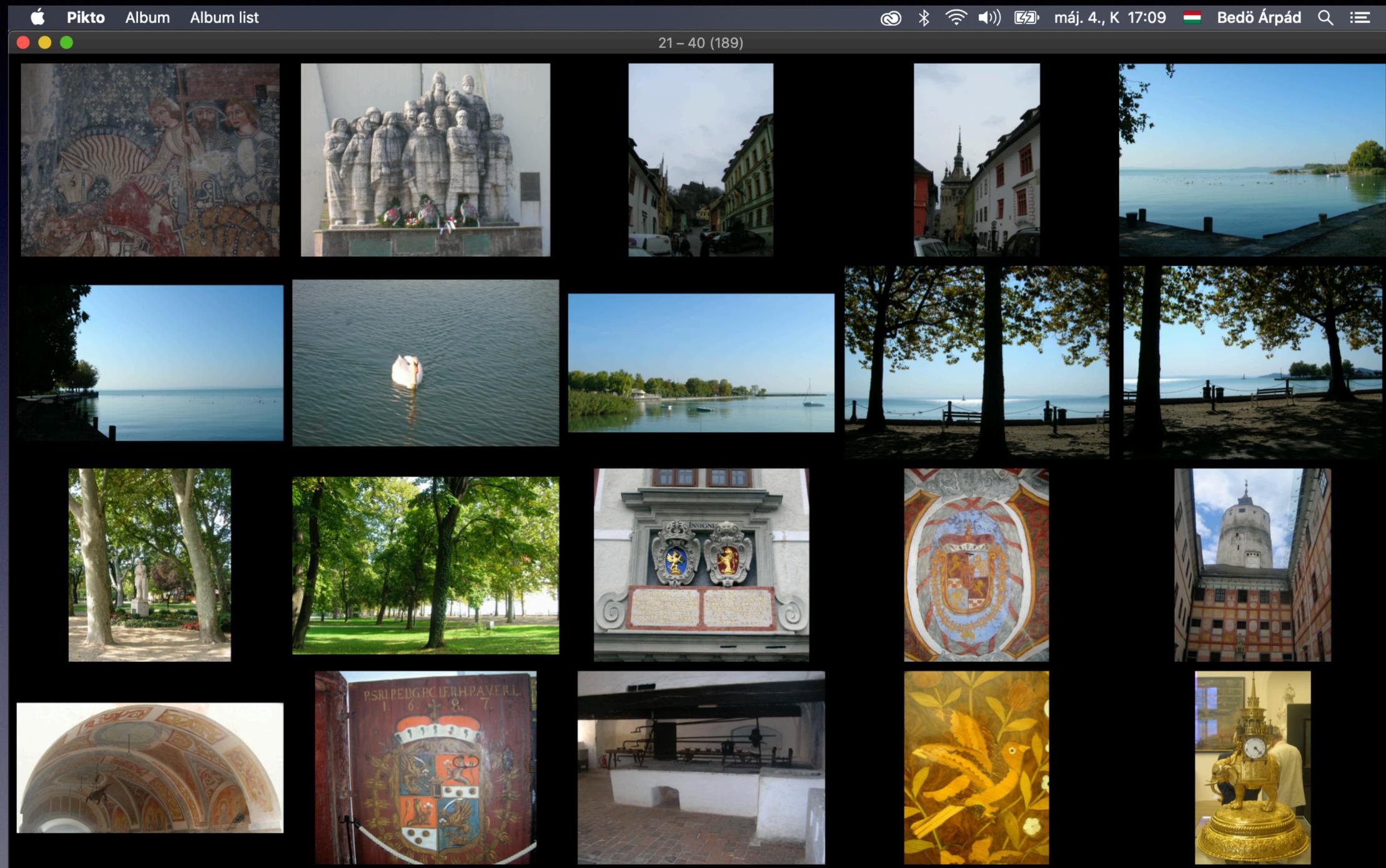
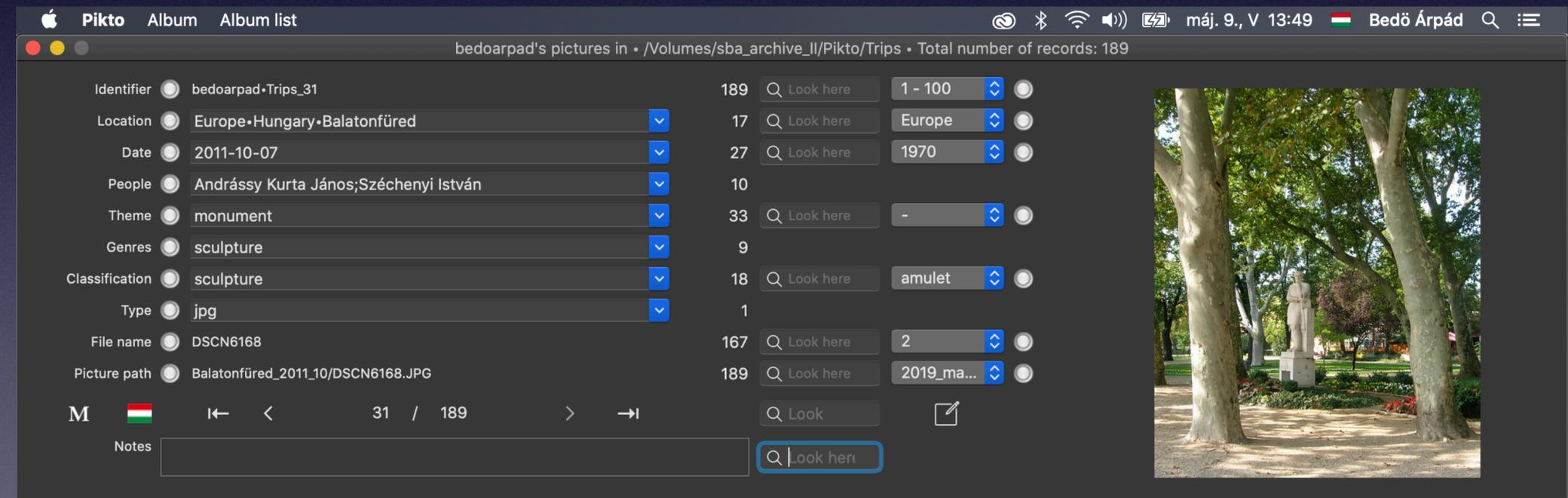
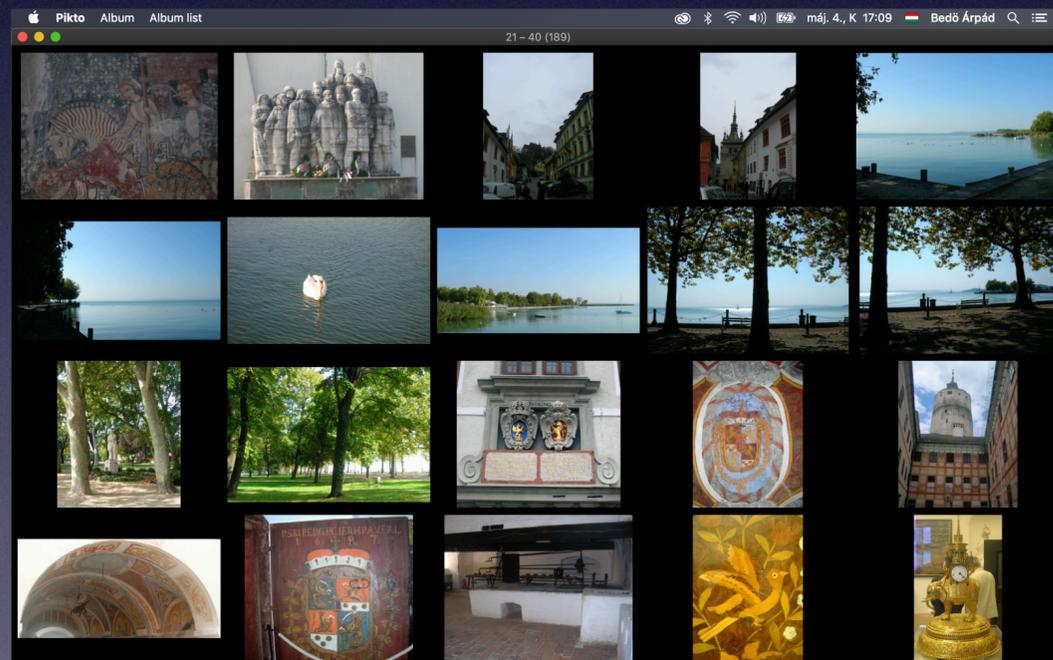


Image Views

You can scroll through the selected images - by 20 pieces in each step - with the left or right arrow keys on your keyboard.

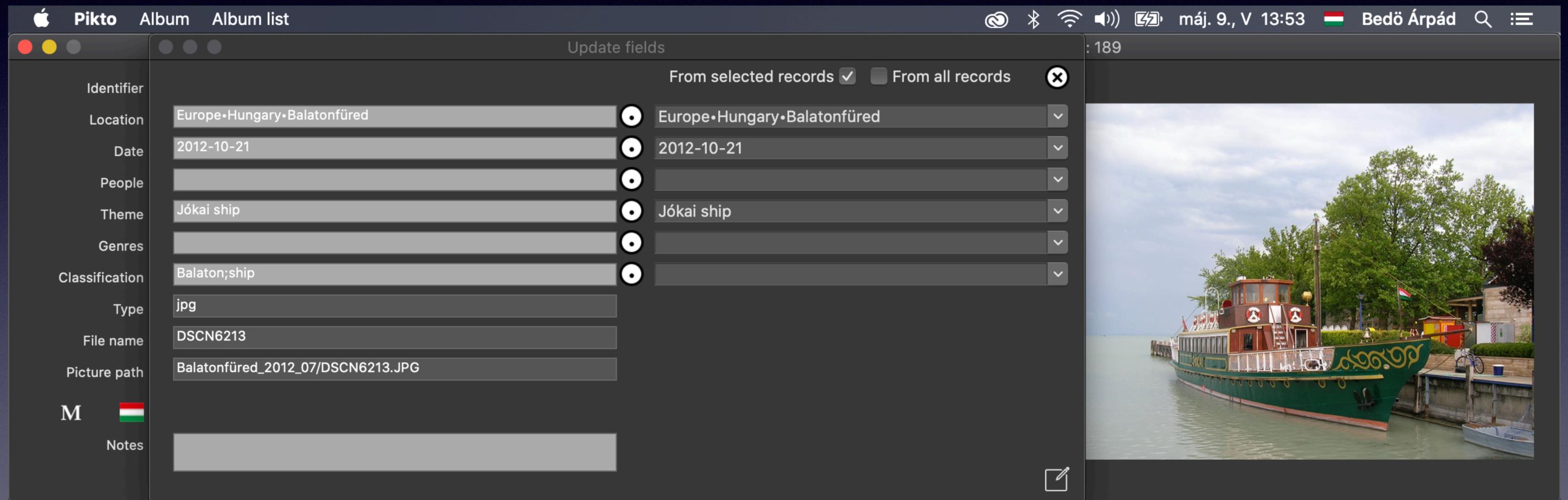
You can exit the view of many images with the down arrow key on the keyboard.

If you click on one of the images in the 20 image view, you will return to the application window in which you will be at the clicked image. (We clicked on the first image in the third row.)



Enter User Information

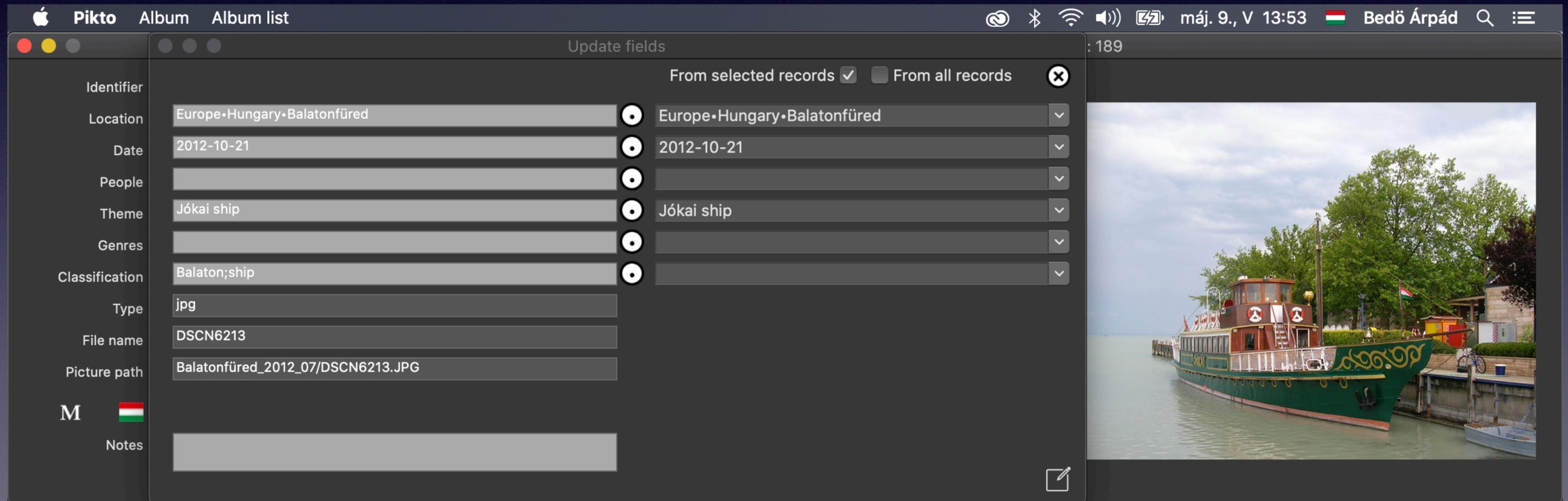
In spite of the data of Date row are filled in all records, the user can modify and update the data of each row belonging to him/her. The user's data of the currently visible record (image) can be changed by clicking on the button  in front of the right edge of the control line. The data field modifier window (titled Update fields) will appear:



Enter User Information

The application helps you enter data by providing drop-down menus on the right side of this window that contain the values you have already entered in this row of data, so that you do not have to retype data that you have already entered. (For example, someone's name, a location definition, a theme, or a genre...)

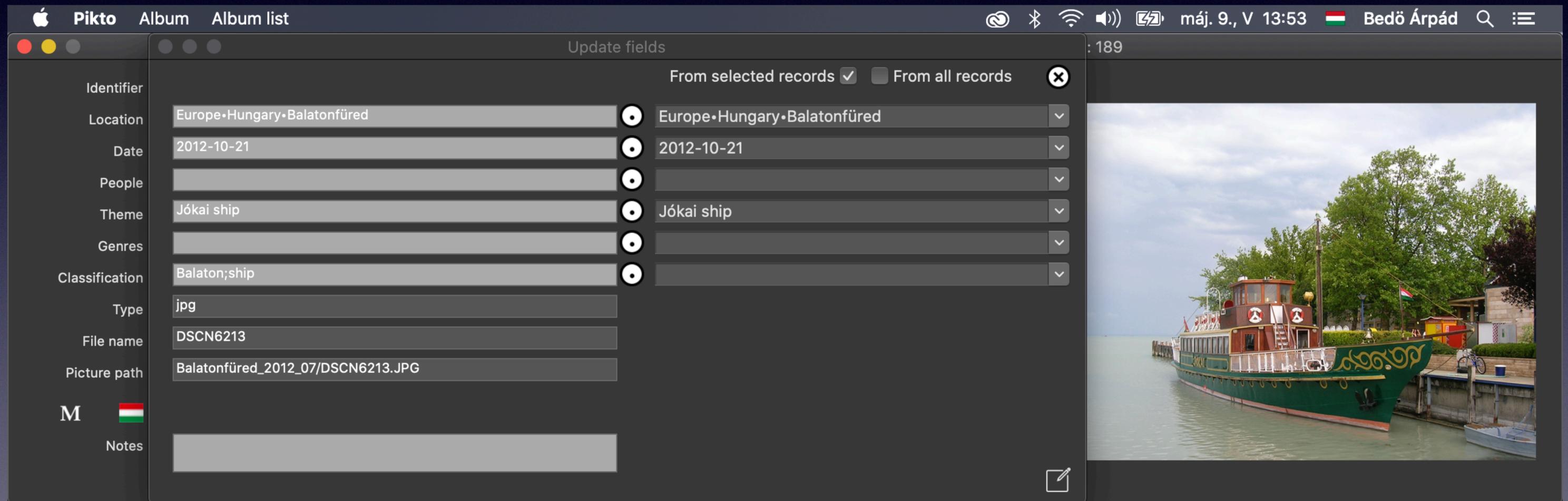
The plural form of Persons data row name indicates that the data row may contain a series of values. Enter values (names) separated by semicolons (;). If you enter the name of a known person from the drop-down menu, the application will properly insert it into the queue, arranged in ABC.



Enter User Information

The Classification row is specific. Here you can enter keywords (words specific to the image). Like the names of the persons in the People row, keywords are separated by semicolons (;), and the keyword selected from the drop-down menu is inserted into the key series in alphabetical order.

When you enter Location data, the application reviews the entire repository and enters the most recently entered Location data row if it is empty and the location of the other record, according to Longitude and Latitude data, is within one and a half kilometres of that location.



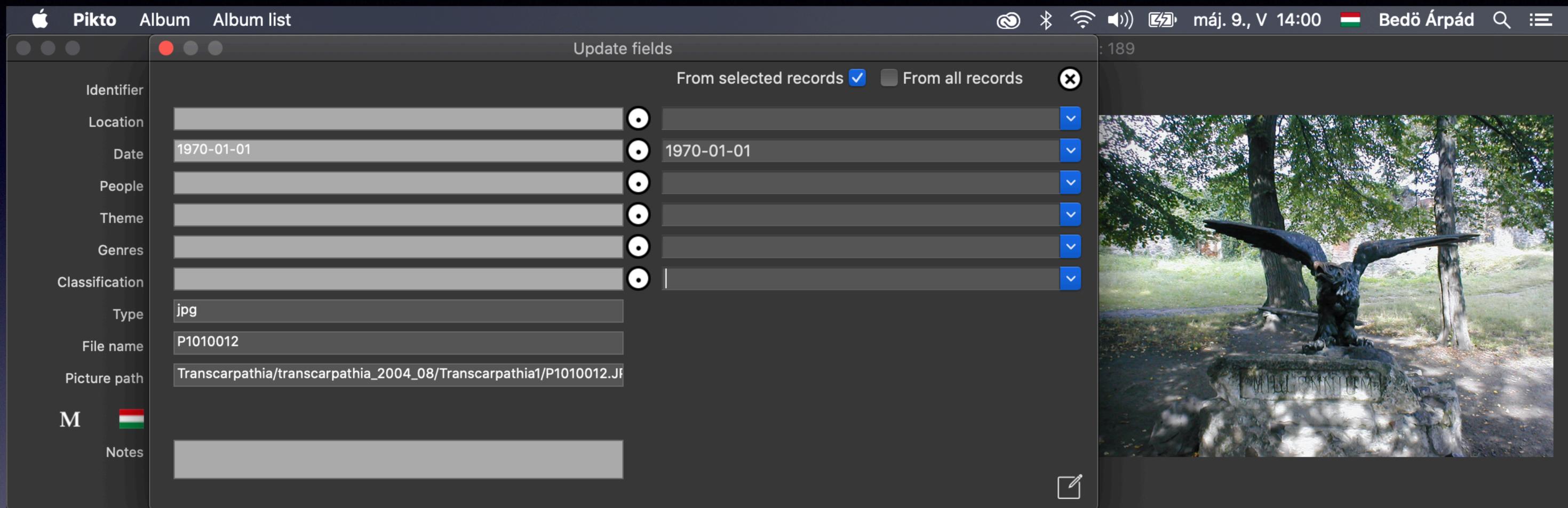
The screenshot shows the 'Pikto' application interface on a Mac. The window title is 'Pikto Album Album list'. The top status bar shows the date and time as 'máj. 9., V 13:53' and the user name 'Bedő Árpád'. The main window is titled 'Update fields' and contains a form with the following fields:

Field	Value	Source
Identifier		From selected records <input checked="" type="checkbox"/> From all records <input type="checkbox"/>
Location	Europe•Hungary•Balatonfüred	Europe•Hungary•Balatonfüred
Date	2012-10-21	2012-10-21
People		
Theme	Jókai ship	Jókai ship
Genres		
Classification	Balaton;ship	
Type	jpg	
File name	DSCN6213	
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	
Notes		

The right side of the window displays a photograph of a green and white boat docked at a pier. The boat has 'Jókai' written on its side. The background shows a body of water and trees under a cloudy sky.

Enter User Information

The method and steps of the update will be shown using the Trips album, which has been particularly filled with data.

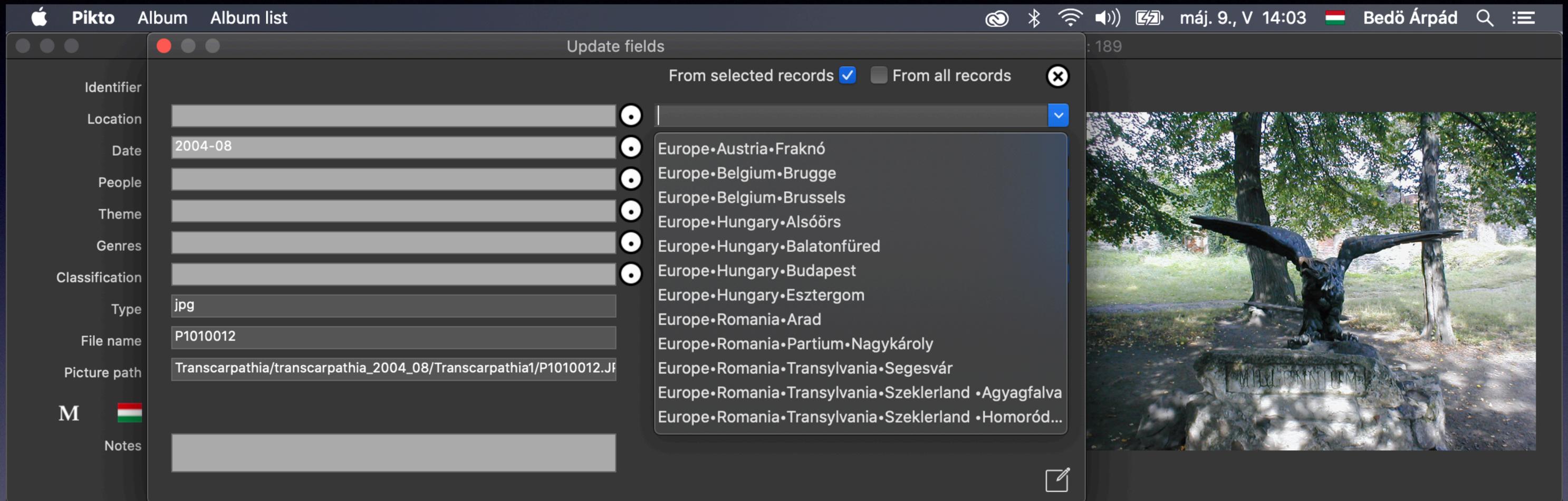


Note that the date of the camera was certainly not set correctly, as we obtained a date of 1970 from the metadata, although we know that the image was created after 1990. Fortunately, one of the folder names in the Picture path row contains the year number, so you can enter 2004-08 in the Date row (the day is optional).



Enter User Information

To fill in the location, we use the drop-down menu:

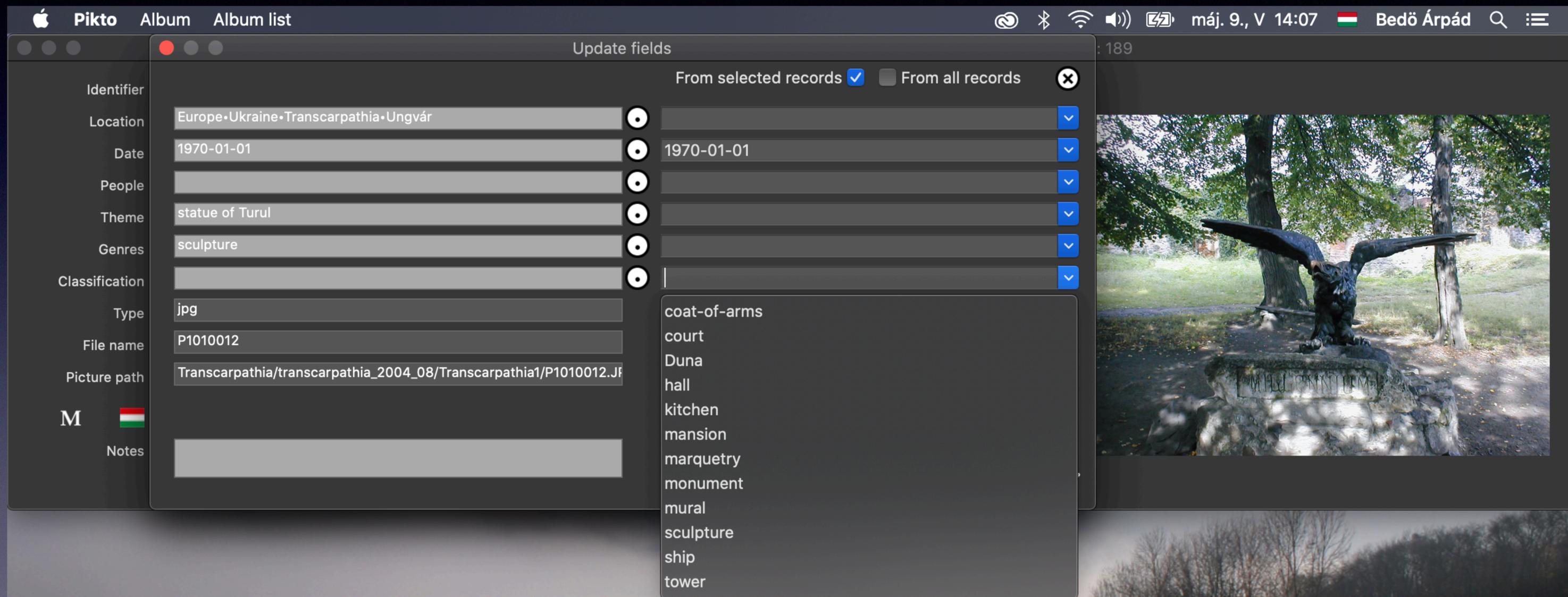


We can see that we have used the hierarchical location name so far, but we can't find a location set before by scrolling through them, because this is the first picture in the album that was taken in Transcarpathia, Ungvár. So we have to enter: Europe•Ukraine•Transcarpathia•Ungvár.



PIKTO — Enter User Information

This is followed by the completion of the Theme, as the image is not tied to a person (more precisely: we do not know whose work it is). The Theme is a statue of Turul. In the Genre row, we write sculpture. To complete the Classification, we use the help of the drop-down menu:



This menu lists the keywords you have used so far. It would be nice to find what we want. Scrolling down you find the keyword sculpture, that's good. Enter the new bronze keyword in front of sculpture. Separate them by semicolon (;).



Enter User Information

We complete the update and get this:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. System status icons (Bluetooth, Wi-Fi, speaker, battery) and the date 'máj. 9., V 14:11' are on the right. The user's name 'Bedö Árpád' is also visible. Below the top bar, the current album is identified as 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The main area is divided into two columns. The left column contains metadata fields with radio buttons and dropdown menus: Identifier (bedoarpad•Trips_127), Location (Europe•Ukraine•Transcarpathia•Ungvár), Date (1970-01-01), People (-), Theme (statue of Turul), Genres (sculpture), Classification (bronze;sculpture), Type (jpg), File name (P1010012), and Picture path (Transcarpathia/transcarpathia_2004_08/Transcarpathia1/P1010012.JPG). The right column shows counts for each field and 'Look here' buttons. Below the metadata is a navigation bar with a magnifying glass icon, a flag icon, and navigation arrows. A 'Notes' field is at the bottom left. On the right side of the interface, a large image of a bronze eagle statue on a stone pedestal is displayed. The statue is set in a park-like environment with trees and a path.

Thus, we attached to this image all the data that we considered meaningful and important.



Enter User Information

You can also stop entering information here. Before quitting the application, we move on to the next record, whose ID ends in _128. We note this number. We may need all this because we want to continue entering information tomorrow. When you open the album, you see the first record. The application treats the Identifier row differently than the others: if you enter something in the textual search field (i. e. _128), no selection is made, but the application goes to the given record as if you had pressed the right arrow button enough times... (You can get rid of the _128 entered by clicking on the x in the search box.)

The screenshot shows the 'Pikto' application interface. At the top, the title bar reads 'Pikto Album Album list'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Filters:** A list of filters with radio buttons and dropdown menus. The 'Identifier' filter is selected and set to 'bedoarpad•Trips_128'. Other filters include Location, Date (1970-01-01), People, Theme, Genres, Classification, Type (jpg), File name (P1010013), and Picture path (Transcarpathia/transcarpathia_2004_08/Transcarpathia1/P1010013.JPG).
- Search and Navigation:** A search bar containing '_128' with a close button (x). Below it, a navigation bar shows 'M', a Hungarian flag, and navigation arrows. The current record is '128 / 189'.
- Record List:** A table of records with columns for filter name, count, search button, and filter value. For example, 'Date' has 26 records, 'Theme' has 33, and 'Classification' has 18.
- Image:** A large photo of a stone building with a tower, framed by trees.



Search Again - Find Pictures Taken in Romania!

First version: search with the interval menu. First step: select the only continent: Europe.

The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', navigation options 'Album' and 'Album list', system status icons, the date 'máj. 9., V 14:19', the user name 'Bedő Árpád', and search and menu icons. Below the top bar, the current search path is displayed: 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The main area is a search filter table with columns for filter name, value, count, and search options. The filters are as follows:

Filter Name	Value	Count	Search Options
Identifier	bedoarpad•Trips_1	56	Look here, 1 - 10
Location	Europe•Hungary•Balatonfüred	16	Look here, Europe•A...
Date	2012-10-21	13	Look here, 1970
People	-	10	
Theme	Jókai ship	33	Look here, -
Genres	-	9	
Classification	Balaton;ship	18	Look here, amulet
Type	jpg	1	
File name	DSCN6213	56	Look here, A
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	56	Look here, 2019_ma...

At the bottom of the filter table, there is a navigation bar with a magnifying glass icon, a 'Look' button, and a 'Look here' button. Below the navigation bar is a 'Notes' field. On the right side of the interface, a large photo of a green and red boat on a lake is displayed. A text overlay on the photo reads: 'Ha ráduplázunk a képre, képernyő-méretben látjuk.' (If we double-click the image, we see it in screen size.)

We got 56 records.



Search Again - Find Pictures Taken in Romania!

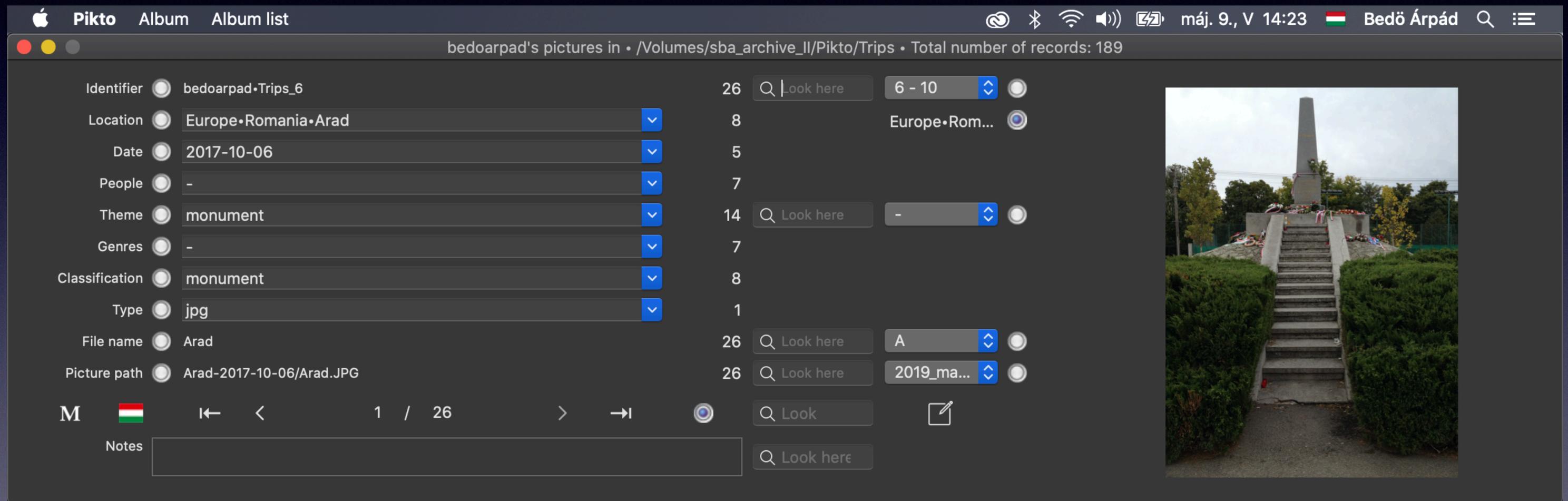
The second step:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 14:21', the user name 'Bedő Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of search filters on the left, each with a radio button, a text input, and a dropdown arrow. The filters include: Identifier (bedoarpad•Trips_1, 56 records), Location (Europe•Hungary•Balatonfüred, 16 records), Date (2012-10-21, 13 records), People (-, 10 records), Theme (Jókai ship, 33 records), Genres (-, 9 records), Classification (Balaton;ship, 18 records), Type (jpg, 1 record), File name (DSCN6213, 56 records), and Picture path (Balatonfüred_2012_07/DSCN6213.JPG, 56 records). A dropdown menu is open for the Location filter, showing a list of locations: Europe•Austria, Europe•Belgium, Europe•Hungary, Europe•Romania (highlighted), and Europe•Ukraine. Below the filters is a navigation bar with a magnifying glass icon, a flag icon, and navigation arrows. The current page is 1 of 56. A 'Notes' field is visible at the bottom left. On the right side of the interface, there is a large image of a green and red boat docked at a pier.



Search Again - Find Pictures Taken in Romania!

You can see that (so far) we know of 56 European images, and the interval menu shows one level more. Choosing Europe•Romania gives you:



The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', navigation options 'Album' and 'Album list', system status icons, the date 'máj. 9., V 14:23', the user name 'Bedö Árpád', and search and menu icons. Below the top bar, the current search path is displayed: 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The main interface features a list of search filters on the left, each with a radio button, a text input, a dropdown menu, and a count. The filters are: Identifier (bedoarpad•Trips_6, 26), Location (Europe•Romania•Arad, 8), Date (2017-10-06, 5), People (-, 7), Theme (monument, 14), Genres (-, 7), Classification (monument, 8), Type (jpg, 1), File name (Arad, 26), and Picture path (Arad-2017-10-06/Arad.JPG, 26). To the right of the filters is a large preview image of a monument with a tall, thin, grey stone pillar on a concrete base, reached by a set of concrete stairs. The monument is surrounded by green bushes and trees. At the bottom of the interface, there is a navigation bar with a magnifying glass icon, a flag icon, navigation arrows, a page indicator '1 / 26', and a 'Look' button. Below the navigation bar is a 'Notes' field.

Filter	Value	Count
Identifier	bedoarpad•Trips_6	26
Location	Europe•Romania•Arad	8
Date	2017-10-06	5
People	-	7
Theme	monument	14
Genres	-	7
Classification	monument	8
Type	jpg	1
File name	Arad	26
Picture path	Arad-2017-10-06/Arad.JPG	26

We now received 26 records, but only 8 values in the Location row. Thus, the interval menu no longer appears. If we want to narrow down the location definition, we can go further with the direct data selection.



Data Selection

Let's find the pictures of the legend of St. László in Székelyderzs! We use the drop-down menu of the Location row. The last but one menu item is for Székelyderzs.

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 14:25', the user name 'Bedő Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of metadata fields on the left, each with a radio button and a value. The 'Location' field is currently selected, and its dropdown menu is open, displaying a list of location categories. The 'Date' field is also highlighted in blue. The right side of the interface shows a preview of a photograph, which is a monument with a tall, thin, grey stone pillar on a concrete base, surrounded by greenery and a set of stairs leading up to it. The bottom of the interface includes a navigation bar with a magnifying glass icon, a flag icon, and a 'Notes' field.

Field	Value	Count	Action	Filter	Toggle
Identifier	bedoarpad•Trips_6	26	Look here	6 - 10	☐
Location	Europe•Romania•Arad	8		Europe•Rom...	☑
Date	Europe•Romania•Arad	5			
People	Europe•Romania•Partium•Nagykároly	7			
Theme	Europe•Romania•Transylvania•Segesvár	14	Look here	-	☐
Genres	Europe•Romania•Transylvania•Szeklerland •Agyagfalva	7			
Classification	Europe•Romania•Transylvania•Szeklerland •Kalonda top	8			
Type	Europe•Romania•Transylvania•Szeklerland •Székelyderzs	1			
File name	Arad	26	Look here	A	☐
Picture path	Arad-2017-10-06/Arad.JPG	26	Look here	2019_ma...	☐

Data Selection

If you select Europe•Romania•Transylvania•Szeklerland•Székelyderzs, you get:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 14:27', the user name 'Bedő Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of filters on the left, each with a radio button, a text field, a dropdown arrow, and a count. The selected filter is 'Europe•Romania•Transylvania•Szeklerland•Székelyderzs' with a count of 1. Other filters include 'Identifier' (bedoarpad•Trips_18, count 4), 'Date' (2014-04-07, count 1), 'People' (-, count 2), 'Theme' (bacon warehouse, count 2), 'Genres' (-, count 2), 'Classification' (-, count 2), 'Type' (jpg, count 1), 'File name' (DSCN6545, count 4), and 'Picture path' (Transylvania_Éva_2014_03/DSCN6545.JPG, count 4). Below the filters is a navigation bar with a magnifying glass icon, a flag icon, navigation arrows, a page indicator '1 / 4', and buttons for 'Look' and 'Look here'. A 'Notes' field is also present. On the right side, a preview of a photograph is shown, depicting three pieces of cured meat hanging from a wooden beam in a rustic setting.

Filter	Count
Identifier	4
Location	1
Date	1
People	2
Theme	2
Genres	2
Classification	2
Type	1
File name	4
Picture path	4

We got 4 pictures. We can review one by one, on one screen, scrolling, and so on.



Data Selection

In the data menu of the Classification row, we select the mural item.

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, 'Pikto', 'Album', and 'Album list'. The status bar shows system icons, the date 'máj. 9., V 14:30', the user name 'Bedő Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The data menu is displayed with the following fields and values:

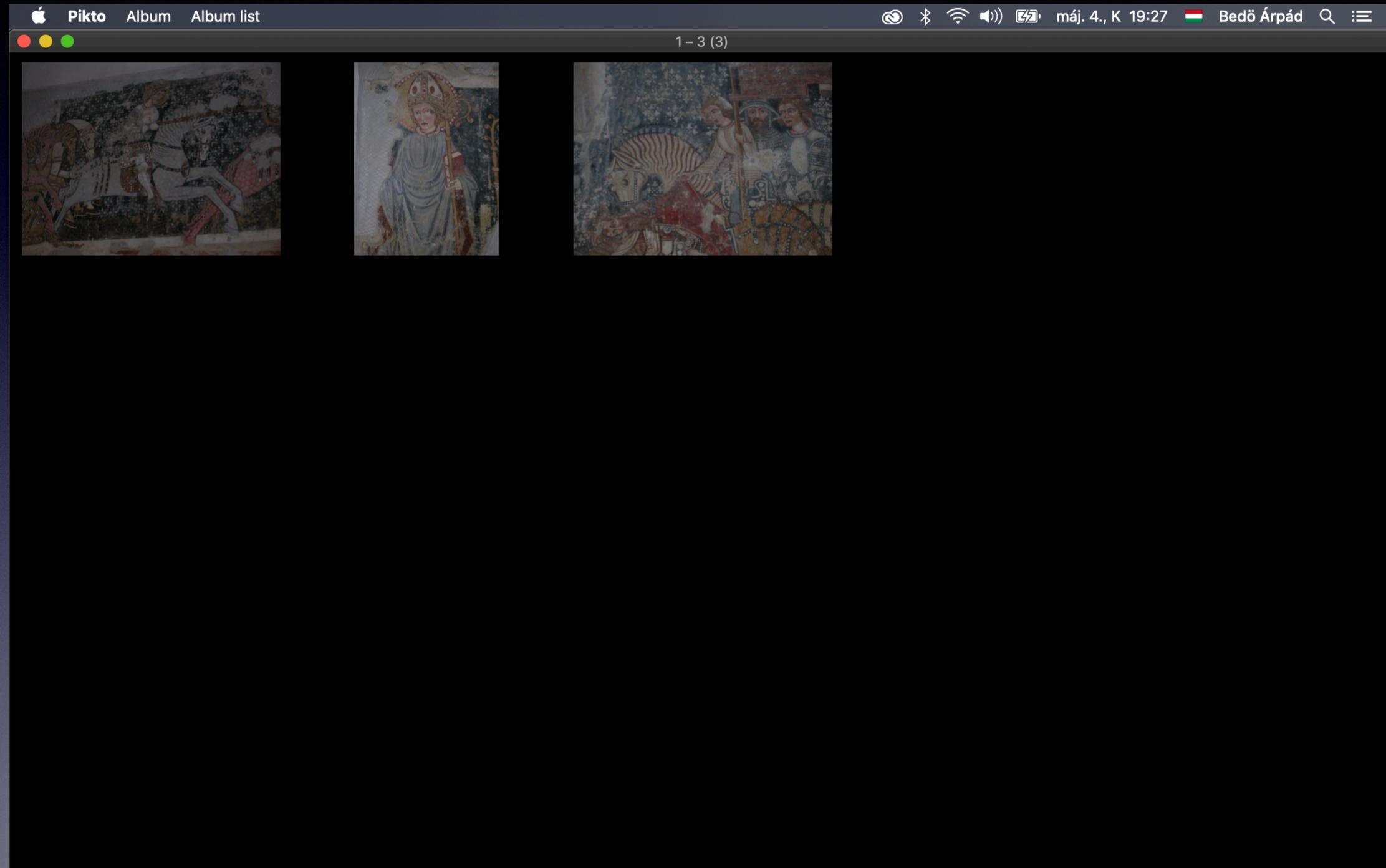
Field	Value	Count
Identifier	bedoarpad•Trips_19	3
Location	Europe•Romania•Transylvania•Szeklerland •Székelyderzs	1
Date	2014-04-07	1
People	St. László	1
Theme	legend of St. László	1
Genres	mural	1
Classification	mural	1
Type	jpg	1
File name	DSCN6546	3
Picture path	Transylvania_Éva_2014_03/DSCN6546.jpg	3

At the bottom of the menu, there is a navigation bar with a magnifying glass icon, a search bar containing the text 'Look', and a 'Look here' button. A thumbnail image of a mural is visible on the right side of the interface.

We got 3 images showing fragments of the mural of the legend of St. László.

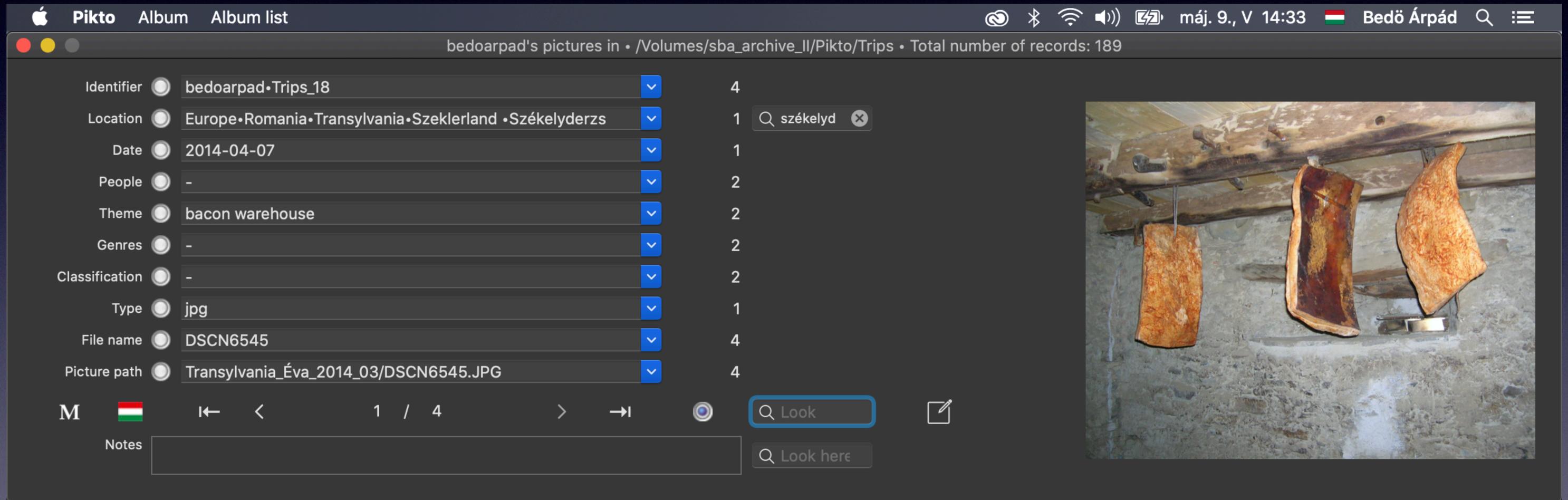
Data Selection

Let's take a look at an overview!



Data Selection

The same can be achieved in a simpler, shorter way: In the search box of the Location row, we type székelyders (if you are watching as you type, you will notice that it is enough to type székelyd). We get this:



The screenshot shows the Pikto application interface. The top bar includes the app name 'Pikto', navigation options 'Album' and 'Album list', system status icons, the date 'máj. 9., V 14:33', the user name 'Bedő Árpád', and search and menu icons. Below the top bar, the current location is shown as 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The main interface features a list of filters on the left, each with a radio button, a text input, a dropdown arrow, and a count:

Filter	Value	Count
Identifier	bedoarpad•Trips_18	4
Location	Europe•Romania•Transylvania•Szeklerland •Székelyderzs	1
Date	2014-04-07	1
People	-	2
Theme	bacon warehouse	2
Genres	-	2
Classification	-	2
Type	jpg	1
File name	DSCN6545	4
Picture path	Transylvania_Éva_2014_03/DSCN6545.JPG	4

Below the filters, there is a navigation bar with a magnifying glass icon, a 'Look' button, and a 'Look here' button. A 'Notes' field is also visible. On the right side, a photograph shows three pieces of cured meat hanging from wooden beams in a rustic setting.

We were able to save two steps compared to the previous selection.



Data Selection

There are several ways to get the result - we don't detail how.

The fastest way - in one step - is to select St. László among the values of the People row:

The screenshot shows the Pikto application interface. The top bar includes the application name 'Pikto', the current view 'Album', and 'Album list'. The system status bar shows the date and time 'máj. 9., V 14:35' and the user name 'Bedő Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into several sections:

- Left Sidebar:** A list of filters with radio buttons and dropdown menus. The 'People' filter is currently selected, and its dropdown menu is open, showing a list of names: Ady Endre;Marchis, Ottilia, Andrásy Kurta János;Széchenyi István, Báthori István;Esterházy family, Esterházy family, Károlyi family, Károlyi Sándor, Petőfi Sándor, St. László, and Zala György. The name 'St. László' is highlighted in blue.
- Central Table:** A table with columns for filter names, counts, search buttons, and dropdown menus. The 'People' row shows a count of 10 and a search button labeled 'Look' which is highlighted with a blue border.
- Right Panel:** A large image of a green and white boat docked at a pier.

Data Selection

We arrive here:

The screenshot shows the Pikto application interface. The title bar includes the Apple logo, the name 'Pikto', and the album name 'Album Album list'. The status bar at the top right shows system icons, the date and time 'máj. 9., V 14:37', the user name 'Bedő Árpád', and search and menu icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface features a list of filters on the left, each with a radio button, a dropdown menu, and a count:

Filter	Value	Count
Identifier	bedoarpad•Trips_19	3
Location	Europe•Romania•Transylvania•Szeklerland •Székelyderzs	1
Date	2014-04-07	1
People	St. László	1
Theme	legend of St. László	1
Genres	mural	1
Classification	mural	1
Type	jpg	1
File name	DSCN6546	3
Picture path	Transylvania_Éva_2014_03/DSCN6546.jpg	3

Below the filters, there is a navigation bar with a magnifying glass icon, a flag icon, navigation arrows, a page indicator '1 / 3', and buttons for 'Look' and 'Look here'. A 'Notes' field is also present. On the right side of the window, a large image of a mural depicting a figure on a horse is displayed.



General Usage Tips

All the sensitive surfaces in the application window are such that if you linger on it with the mouse, you will usually receive a sentence, a short reminder or instructions for its use.

Staying in the People data row, we get:

The screenshot shows the Pikto application window. The title bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. The system status bar at the top right shows the date and time 'máj. 9., V 14:39', the user name 'Bedö Árpád', and various system icons. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. The interface is divided into a metadata table on the left and a large image preview on the right.

Field	Value	Count	Action	Filter
Identifier	bedoarpad•Trips_1	189	Look here	1 - 100
Location	Europe•Hungary•Balatonfüred	17	Look here	Europe
Date	2012-10-21	27	Look here	1970
People	-	10		
Theme	Jókai ship	33	Look here	-
Genres	-	9		
Classification	Balaton, ship	18	Look here	amulet
Type	jpg	1		
File name	DSCN6213	167	Look here	2
Picture path	Balatonfüred_2012_07/DSCN6213.JPG	189	Look here	2019_ma...

Below the table, there is a navigation bar with a magnifying glass icon, a 'Look' button (highlighted with a blue border), and a 'Look here' button. A 'Notes' field is also visible.

The image preview on the right shows a green and white boat with a red cabin, docked at a pier. The boat has 'JÓKAI' written on its side. The background shows trees and a cloudy sky.

General Usage Tips

Staying on the image we get this:

The screenshot shows the Pikto application interface. The top bar includes the Apple logo, the name 'Pikto', and navigation options 'Album' and 'Album list'. System status icons for Bluetooth, Wi-Fi, and battery are visible, along with the date and time 'máj. 9., V 14:44' and the user name 'Bedő Árpád'. The main window title is 'bedoarpad's pictures in • /Volumes/sba_archive_II/Pikto/Trips • Total number of records: 189'. Below the title is a list of filters with their respective record counts and search options:

Filter	Count	Search	Value
Identifier	189	Look here	1 - 100
Location	17	Look here	Europe
Date	26	Look here	1970
People	10		
Theme	33	Look here	-
Genres	9		
Classification	18	Look here	amulet
Type	1		
File name	167	Look here	2
Picture path	189	Look here	2019_ma...

At the bottom left, there is a navigation bar with a magnifying glass icon, a flag icon, and navigation arrows. The current page is '1 / 189'. A 'Notes' field is also present. On the right side, a preview of a boat image is shown with a tooltip that reads 'Double clicking transfers this image to screen size.'



General Usage Tips

The application provides many features. In fact, it can only be known through trial and error.

Don't try to enter all the information about the images at once. A good replenishment of the repository does not take a short time, however, the small amount of data already entered makes both the use of the images and the data entry easier.

We just remind you that even without entering data, you can be better informed about your set of images than just using the general file system, i.e. the folder structure.

Good image repository use!

