

# NIA Companion User Guide

NOTE: This document is a work-in-progress. New and updated sections will be filled in over time. If you have a particular question for a part of the program that has not yet been document, please feel free to contact us.

## Overview

Welcome to the NIA Companion User Guide. This document is meant to explain and illustrate most, if not all, of the functionality of this program.

The NIA Companion program is actually both a *website* that is used on laptop and desktop computers, and a pair of native *mobile apps* that can be used on most Android and iOS phones and tablets. The two different ‘programs’ share 99% of their functionality, however due to differing *form factors* the look and feel between them will certainly vary.

NIA Companion aims to unify and integrate several important *functions* that most insulator collectors would benefit from, each of which is accessed via its own *area* within the program:

- [Community](#) – where members can create, view and respond to topics and posts from like-minded collectors
- [Marketplace](#) – where members can create, view and take advantage of ads for sale, trade or want.
- [Shows & Events](#) – where members can create, view and discuss upcoming (and past) shows and events.
- [My Collection](#) – where members can create, view, manage and share an on-line collection.

Note that these are just the *initial* goals of the program – we hope to add additional functions in the coming months and years.

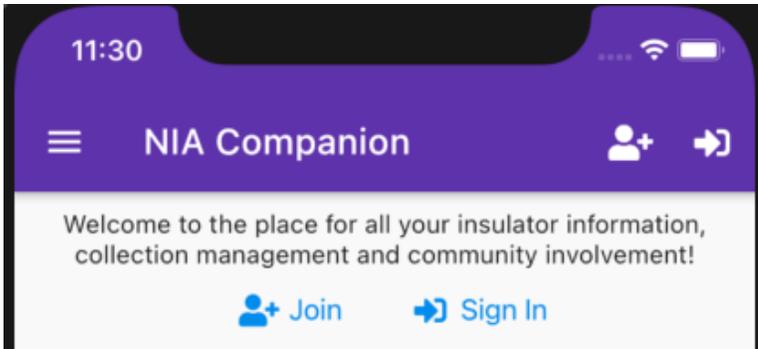
The program is developed as an *internet-based* program, meaning that it relies on the internet to “get data” and to “save data”. There is no “local” or “on-device” database. Instead there is an enterprise-class database that resides on the hosting company’s server and which provides near limitless storage and strong, performant capabilities.

The program is divided up into six *areas* at this time, plus a navigation system. Besides the four areas referenced above there is a [membership directory](#) and a [home/welcome](#) screen. The navigation system is essentially a list of the areas and is found on the left side of the page (desktop version) and within a *slide-in menu* under the *hamburger symbol* on the mobile versions.

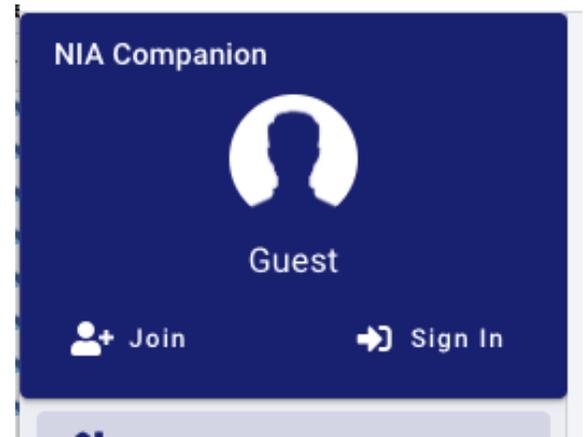
This document aims at explaining and illustrating the various areas of the program as well as a few smaller but equally important capabilities. We hope you enjoy it!

## Joining

NIA Companion contains both *public* and *private* data, and as such it needs to be able know *who* is using the program at any time so it can decide what data to show them, or which functions to allow. Therefore, users are encouraged to *join* the program. Joining the program begins by clicking the *Join* button, either at the top-right corner of the Home/Welcome screen on the mobile app, or at the upper-left area of the *navigation bar* on the website:



Mobile Home screen with Join and Sign-In buttons



Web-site screen showing Join and Sign-In buttons

Joining consists of providing the program with enough information to uniquely identify each member. This includes the following:

- Your first and last names
- A *sign-in name*. This is typically a short version of your name, e.g., dbaron, or davidb, that you can use when signing in (see below). This value must be unique amongst all NIA Companion users. It may contain spaces if you want and it can be changed later if you need.
- An email address. This must be a unique and valid value that can also be used when signing in. This value dictates where any email goes if you decide to allow notifications. This value can be changed later if you need.
- A password. This value must be between 6 and 32 characters and *cannot* include spaces. There are no special rules, i.e., no need to have capital letters, numbers or special characters. That said, the less complex you make your password the easier it might be for someone else to guess it. Your password can be changed later if you need, and, if you forget your password you can re-gain it in a simple process.
- A *date format* preference. This determines how some date values are shown to you, e.g., MM/DD/YYYY versus DD/MM/YYYY.
- An acknowledgement of reviewing the Privacy Policy.

Here is what this looks like in the mobile app:

Close Join Save

## Join NIA Companion

BASIC INFORMATION (all are required)

First Name

Last Name

Sign-in Name

Email Address

Password 0/32

Confirm Password 0/32

Date Format  
MM/DD/YYYY (07/22/2017)

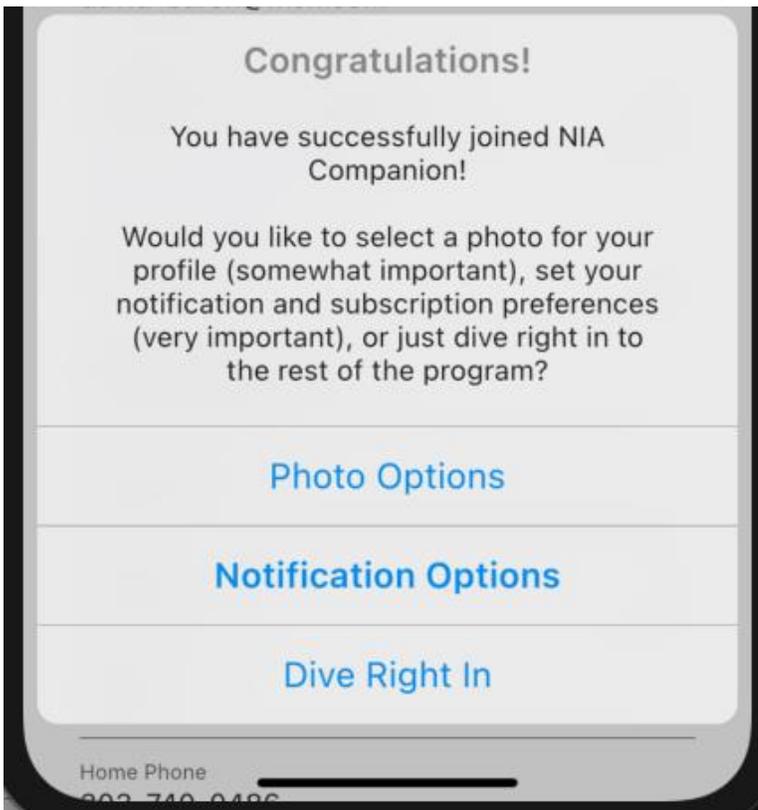
[Review Privacy Policy](#)  Acknowledged

Image of partial mobile Join screen showing mandatory fields

Note: You must open the Privacy Policy from within the Join screen, *scroll thru it*, and then acknowledge doing so. Only then will you be able to finish joining.

Besides the above few pieces of data which are *mandatory*, there are numerous other pieces of data that you are encouraged to fill in, but which are considered optional. Those include such things as your address and phone information, your background in the hobby and several other various categories of information including how *public* or *private* you wish to be in regards to your profile information. Please see below for more information about the *Profile* screen.

Once you are done filling in as many fields as you wish, you would click the *Save* button. Assuming there are no conflicts, you will be told that you have successfully joined the program. At that point will have been auto-signed in to the program and will be shown several choices, including the option to set a photo for your profile and/or setting your notification preferences. The latter is **very important** if you wish to receive emails when other members contribute items to the program.



Successful Join notification plus Options on mobile

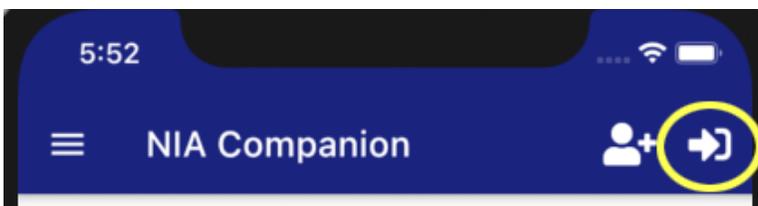
While everyone is encouraged to join NIA Companion, it is not mandatory to do so to experience certain parts of the program. Guests will be able to do the following:

- View the various forums and posts within the *Community* area;
- View ads in the *Marketplace* area;
- View the list of *Shows & Events*;
- View the list of *Members*;

Guests will not however be able to *participate* in any of the above areas, or to view member details.

## Signing In

The Sign In screen is used to let the program know who is using it. It can be opened from either the top-right button in the mobile app (see below) or the top-left area of the navigation bar on the website (see above).



Mobile Home screen with Join and Sign-In (circled) buttons

This is what the Sign In screen looks like on the website:

**Sign In to NIA Companion**

Sign-In Name or Email  
dbaron

Password  
.....

( I forgot my password )

Remember Sign-In Name/Email Address

Automatically Sign In

Cancel Sign In

Web-site Sign-In screen

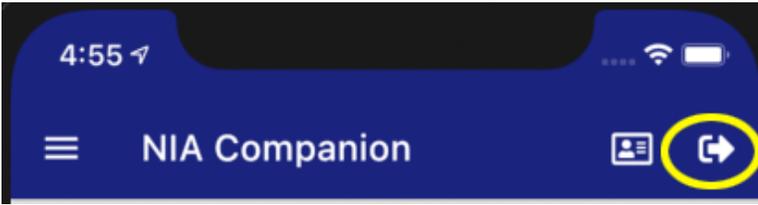
You need to provide either your Sign-In Name *or* your email address, plus your password, in order to sign in. If you need to see your password (instead of dots) you can click the ‘eye’ icon to the right, which toggles the value from dots to letter, or back.

Besides your credentials, you have two additional options on this screen. One is to remember your Sign-In Name (or email address). If you turn this on, the program will *remember* that value and pre-fill it in for you the next time you need to sign in. The other option is to allow the program to also *remember* your password (in an encrypted manner) such that every time you visit the website or open the mobile app, you will be *automatically signed in* without having to re-enter any credentials. For many users this will be an acceptable risk, however if you feel that you need or want a bit more security concerning access to the program (and your data), you may decide to opt out of the automatic sign in.

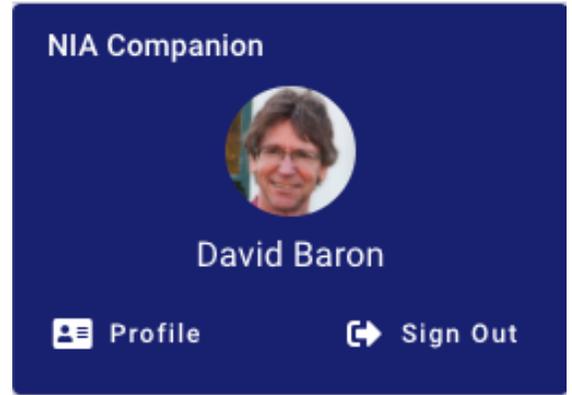
In the event that you forget your password, there is a process for re-setting your account. On the Sign-In screen is a button titled “I Forgot My Password”. Clicking that will do two things: First, the program will create a random temporary code that is both stored on the server *and* included in an email. Secondly a pop-up window will appear within the program that asks you to enter that code along with a new password. Upon entering both and saving, your account will be re-set, the pop-up window will close, and you can use your new password to sign-in to the program.

## Signing Out

Depending on what platform you use the program on (computer, mobile device), you may or may not need to explicitly *sign out* of the program. For instance, simply closing the browser window (or tab) on the desktop will effectively sign you out. Likewise, closing the app on the mobile device will do the same. However, if you wish to leave the web page up, or even the app, but do not want others [in your home, office, etc..] to simply start using the program in your absence, you can explicitly sign yourself out. The sign-out function is available either on the *Home/Welcome* screen on the mobile app or the upper-left area of the *navigation bar* on the website (see below).



Mobile Home screen with Profile and Sign-Out (circled) buttons

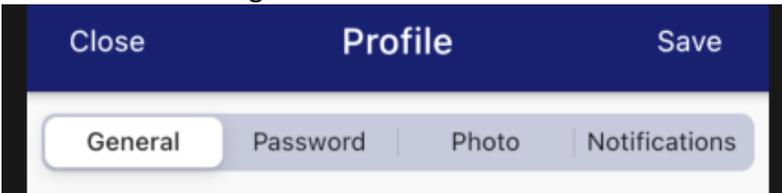


Web-site screen with Profile and Sign-Out buttons

When you use the Sign-Out function, the program essentially tells both your web-site/app and the server to “erase” your unique ID for the current *session*, meaning the program no longer *knows who you are*. Additionally, if you had previously set the sign-in option for “automatically sign-in”, then the program will prompt you to make sure you really want to “erase” your encrypted password previously stored on your device. In other words, by explicitly signing out, you will *not* be able to “automatically sign-in” during your next visit. You will instead have to re-enter your password, which on the one hand is more secure, but on the other hand is more inconvenient.

## Profile

The Profile screen can be accessed from either the top-right corner of the Home screen on mobile devices, or near the top-left of the navigation panel on both platforms (see above). Note that the Profile screen is only available *after* you have successfully signed-in. The Profile screen is divided into four sections, which you can see and make changes to one-at-a-time:



Top of mobile Profile screen with four panels

Note that if you need or want to make changes to two or more of the panels you will need to first *save* any changes you’ve made on the current panel before changing to the next panel. The program will warn you if you try to do so without first saving.

## General

The Profile screen is a combination of personal data and *preferences*. Besides the mandatory identifying information mentioned above in the Joining screen, there are a dozen or so extra pieces of information that you may provide, or not. Things such as your physical address, if shared, allow other members to see where you live on a map (street address is *not* needed for this). Phone numbers (again, if shared) allow other members to give you a ring. (You *do* remember when phones actually rang, right?). Other pieces of information simply help other members know more about you.

At the bottom of the General panel is an important set of options – Privacy:

## PRIVACY OPTIONS (optional)

- No Information**  
Completely hidden from other users
- Minimum Information**  
Name and photo only
- Some Information**  
Name, photo and email address only
- More Information**  
The above plus physical address only (useful for mapping)
- All Information**

*Image of partial Profile : General panel showing Privacy Options*

When you first join NIA Companion, your privacy is set to the *maximum*, meaning *fully* private, i.e., nothing is shared. Other members will not know that you are a member – unless you participate in either the Community or Marketplace areas, in which case your name would be attached/visible to anything you post. The second thru fourth options reveals/shares progressively more information about yourself, culminating with the fifth option which allows other users to see the majority of information filled in on the General panel (obviously not things like Sign-In Name or Password).

## Password

The Password panel is used to change your password. You simply need to provide your current password (just to double-check that it is *you* who is using the function) and your new password. Note that NIA Companion does *not* keep track of prior passwords, and so you can always change your current password to something that you used the prior year, or whatever.

## Photo

The Photo panel is used to set (or clear) a photo of yourself (or image file you may want!). When you first join the NIA Companion, you are assigned a generic male *avatar* (see below, left):



*Male (left) and Female avatars*

If you would like to *not* select a photo image, then depending on your gender and your preference, you may select the female *avatar* (see above, right).

If however you would like to have a photo image attached to your profile, you may select one from either your computer, mobile device, or, if you are using a mobile device, you may take a *selfie*:

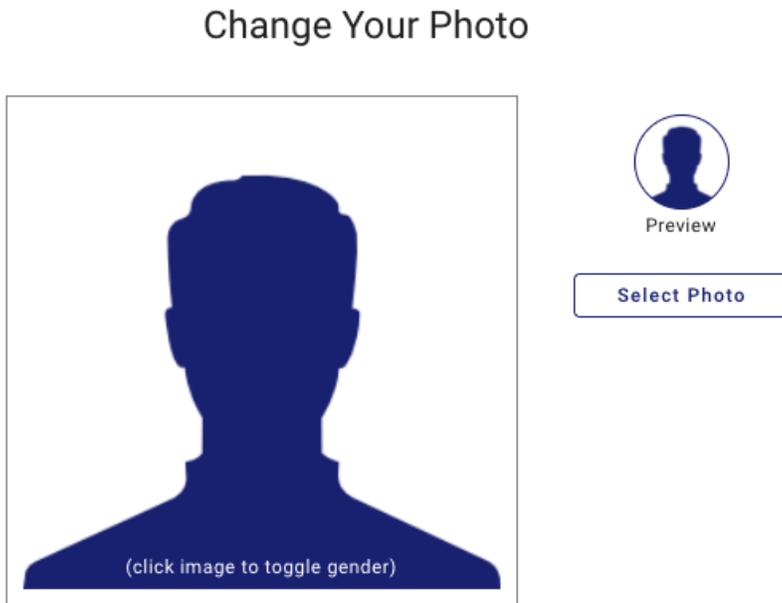


Image of partial web-site Profile : Photo panel

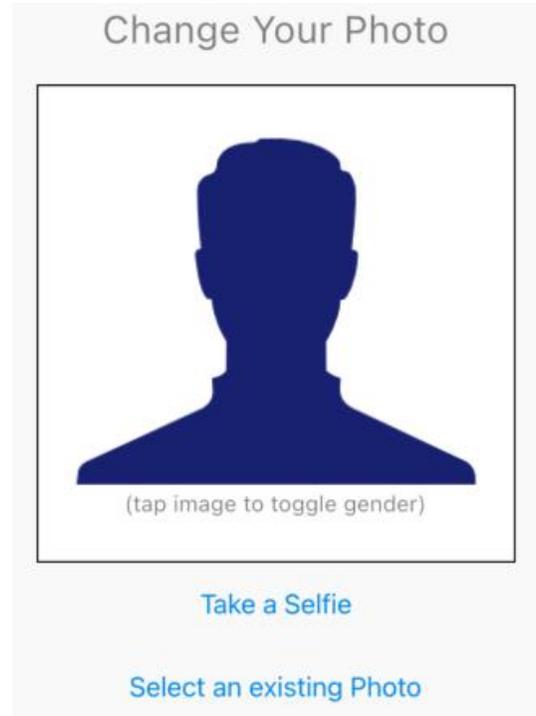


Image of partial mobile Profile : Photo panel

Once a photo file has been selected, you are given the opportunity to manipulate the image a bit before saving it. On the web-site version, this looks like the following:

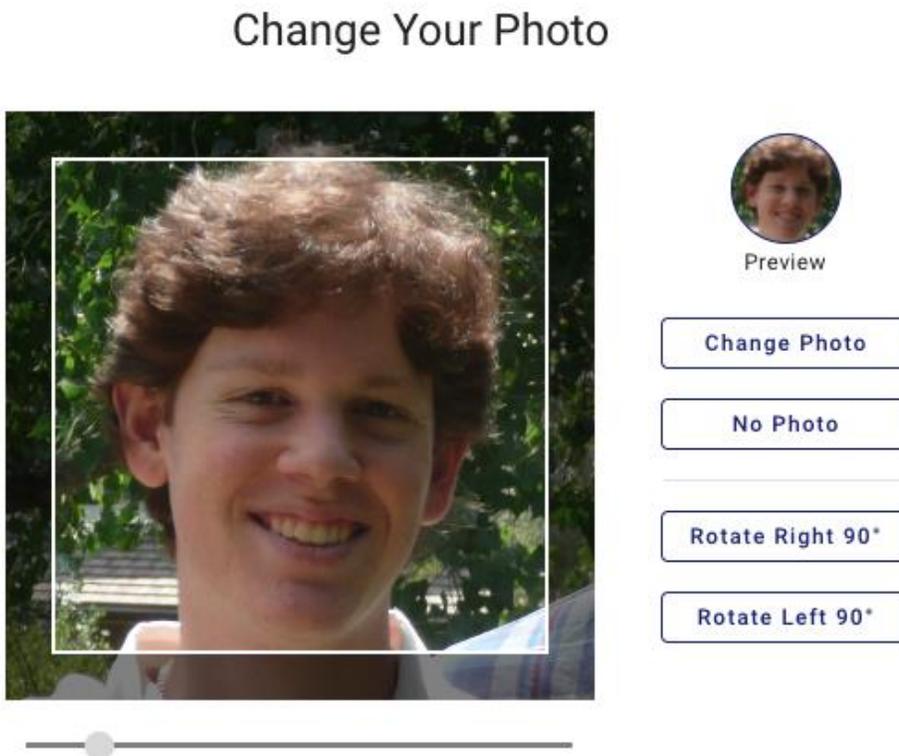


Image of partial web-site Profile : Photo panel

There are buttons and *widgets* for the following:

- Changing the selected photo to some other photo on your device

- Changing the selected photo to a *selfie* (only available on mobile devices)
- Clearing the photo altogether, and going back to an avatar image instead
- Rotating the photo (specific buttons differ amongst devices)
- Resizing, or cropping, the photo (specific buttons differ amongst devices)

Once you have the photo looking the way you'd like, you may Save the photo to your Profile.

## Notifications

The Notifications panel is used to tell the program how often, if at all, to notify you of recent additions or changes to information within the Community and Marketplace areas. The initial means of being notified will be email. At some time in the future there may also be SMS (text) messages and/or on-device notifications. Here is what the Notifications panel looks like on the web-site:

### Set Your Notification Preferences

If you subscribe to one or more Community forums or topics, or any of the Marketplace lists you can receive notifications of new activity.

Please choose from the options below:

**Community** Marketplace

Receive Community E-Mail Notifications

NOTIFICATION FREQUENCY

One at a time, as they happen

Compiled digest of all items for each day

Both

Manage Community Subscriptions

*Image of partial web-site Profile : Notifications panel*

There are separate options for Community and Marketplace. For example, some members might want to be notified about Marketplace ads, but not about Community posts. The two tabs above the rest of the options allow you to switch between the two sets of options. The first option is whether or not to receive email notifications at all. If that option is selected (checked) then the second option will be available, i.e., the *frequency* of the notifications. For that you may choose either *one-at-a-time*, which means you will be notified as information is added; or a *compiled digest* which is a complete list of all changes for that day, as of approximately mid-night Pacific time in the USA; or both.

Notifications, whether one-at-a-time or digest will include the full text of the item, as well as the first photo (if any) attached to that item. There is a link that will take you directly to that item within either the web-site or the app (assuming you have the app). If the author of a particular item allows their email address to be

shared, then you would also be able to click a link in the notification to create an email message (in your email program) addressed to that member.

Note: Notifications are **not** meant to be 'replied to' via your email program. In other words, if you want to reply to either a Marketplace ad, or a Community post, you would *not* click the 'Reply' button in your email program. Instead you would click the 'View in Web-site/App' button as described above, and respond from within the program.

When new members initially join, their notification preferences are set to 'none', i.e., the 'Receive E-Mail Notifications' options are un-checked for both Community and Marketplace.

Notifications work hand-in-hand with *subscriptions*. Subscriptions are used to tell the program what you should see in the Community, and what you should get *notified* about in either the Community or Marketplace. If you have *no* subscriptions to anything, then there is no point in having notifications turned on. However, if you subscribe to one or more parts of the program you may still choose to *not* be notified. Subscriptions are explained more in depth in both the Community and Marketplace sections of this document (see below). The "Manage Community Subscriptions" and "Manage Marketplace Subscriptions" buttons (see above) can be used to double-check your current subscriptions, and to make changes, so that you are seeing and receiving all of the information that matters most to you.

## Home/Welcome

### Overview

The Home screen is the initial view of the program that users will have when they first visit the site. Besides welcoming remark or two, there are buttons and widgets that allow you to do several things:

- Join the NIA Companion (if you are not yet a member)
- Sign-in to NIA Companion (if you have previously joined)
- View your Profile
- Sign-out of NIA Companion
- View the *navigation panel*
- View recent activity in the various areas of the program

Tip: As a member, there is an option to *start-up* the program on either specific screen, or the *last-used* screen.

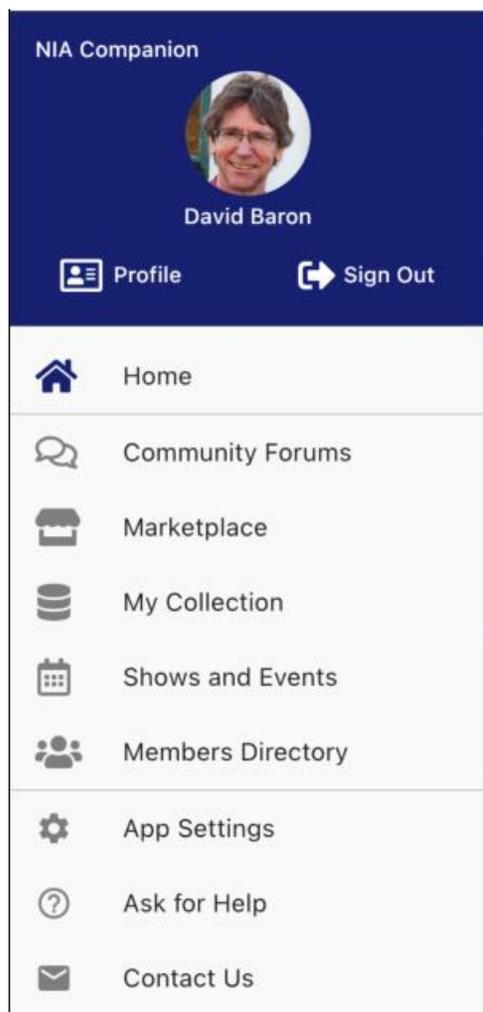
### Navigation Panel

The Navigation panel is a combination of several functions, including user management, navigation and more. The panel is always visible (on the left side of the screen) when using the web-site version, and is available as a *slide-out* panel on the mobile version. To see the navigation panel on the mobile version you will need to tap on the *hamburger menu* icon on the left edge of most screens:



"Hamburger menu" on mobile

The funny name comes from the icon resembling a “stack” of three “layers”, in some ways similar to the “buns + meat” of a hamburger. Once the Navigation Panel is opened on mobile, it can be hidden by either tapping an item on the panel, or by *swiping* the panel from right to left, or by tapping the balance of the program screen that can be seen *underneath* the panel, and *greyed out*. Here is what the Navigation Panel looks like:



*Navigation panel*

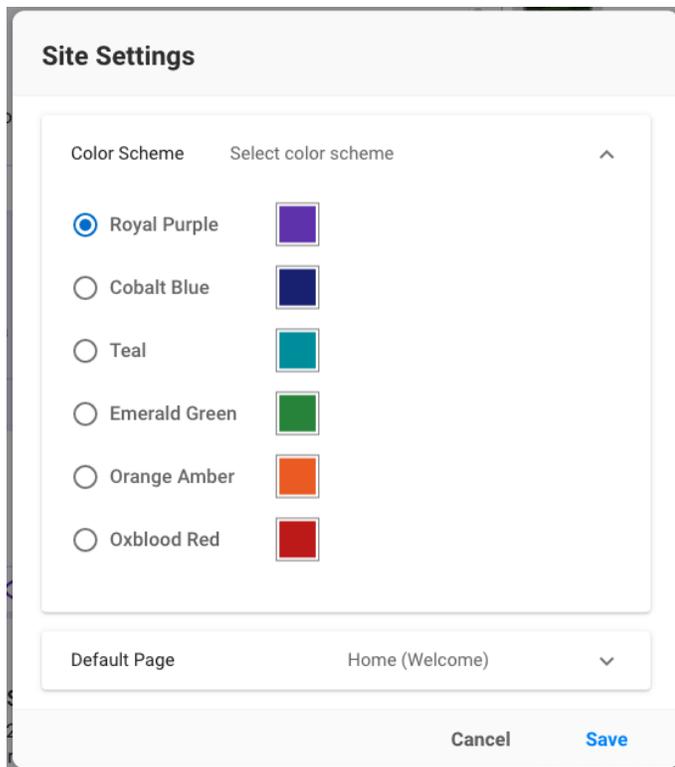
The top section of the panel contains several buttons and widgets that have to do with the current user. Before signing-in, there is a generic *avatar* of a person within a circle with the word “Guest” below it. After signing-in the avatar will change to the picture the member set in the profile (or an avatar if they wanted), and their name will be displayed underneath.

Tip: After signing-in, clicking/tapping the avatar circle will open the Profile screen and take you directly to the “Change Photo” panel.

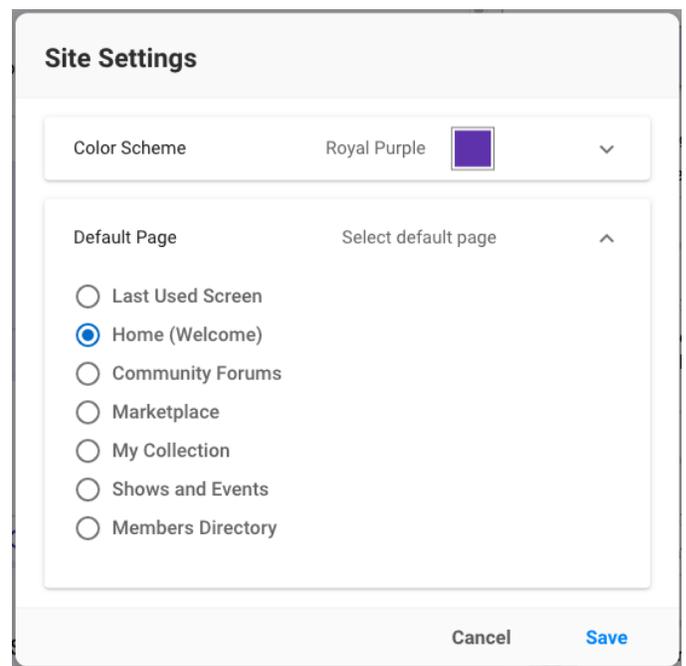
Beneath the avatar/photo circle is a set of two buttons. Before signing-in they are the Join and Sign-In buttons, and after signing-in then are the Profile and Sign-Out buttons.

The middle section of the panel contains links to each of the primary screens within the program. The final section of the panel includes several miscellaneous links. The “Site Settings” (“App Settings” on mobile) link opens a screen where you can select the *color scheme* of the program, as well as the *default* screen. The

default screen is the screen that will be displayed to the user after *opening* the site or app. This allows the user to start off exactly where they are most interested, without having to navigate to get there.



Site Settings : Color scheme screen on website



Site Settings : Default page screen on website

The “Ask for Help” link opens up a screen where you can post a question to the “Website and Mobile App Help” forum in the Community. Once posted either someone from NIA Companion or a helpful member will respond with an answer. The “User Guide” opens this PDF document (which you are now reading). The “Contact Us” link will open your default email program, with a new blank email addressed to NIA Companion.

## Community

### Overview

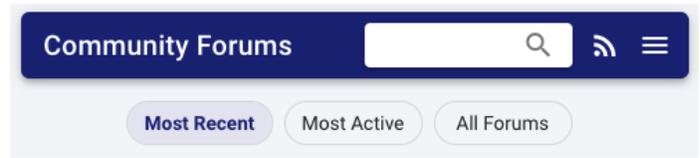
The Community area is a set of screens and tools that facilitate social networking and information sharing between members. Information is divided up into *forums*, most of which are established by the program. Within each forum members may create *topics*, each of which represents an idea, a question or an announcement. Topics are then responded to with *posts*. Each topic and post may contain one or more photos. Additionally, the posts to a topic can form what is called a *thread*. What that means is that within a given topic, a series of *sub-conversation* may take place, with members responding to either the original topic or directly to any response post within that topic. Anyone who has used products such as Facebook or Reddit should feel right at home.

Recent, Active, and All Forums list views

The initial screen for Community is comprised of three different *list* views, that is, a scrolling list of items. Above the lists is the *heading area* for the screen, and it includes buttons and tools used for searching, subscriptions, and additional functions.



Community List screen header on mobile



Community List screen header on web-site

On the mobile version, the *hamburger menu* is on the far left (used to display the Navigation panel), followed by the “Search” button, the “Manage Subscriptions” tool (please see the section near the end of this document concerning searching), and the *additional options* button. On the web-site version there is no *hamburger menu* on the left, since the Navigation panel is always visible.

## Searching

When searching the Community, as soon as the user types in 3 or more characters in the text field, the program will search the *entire* Community database for your search term. Please see the detailed description of the “[searching for items](#)” tool near the end of this document. The program will scan the following *fields* for a match:

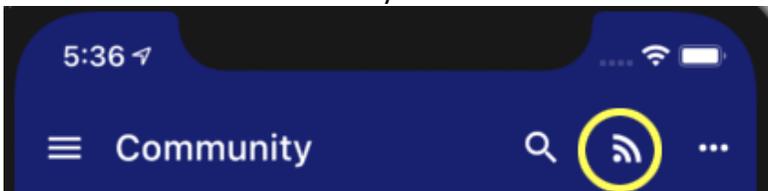
- Topic subject
- Post text, i.e., the *body* of the post
- First and Last names of the member who created the topic of post

## Subscriptions

Community Subscriptions control what you are shown in the *Most Recent* and *Most Active* lists of Community, as well as what you are *notified about*, assuming you have turned *on* notifications (see Profile : Notifications section). For example, if you are not subscribed to *anything*, then you would not see anything in the *Most Recent* and *Most Active* lists, nor would you be notified of any new items as they occurred (or nightly).

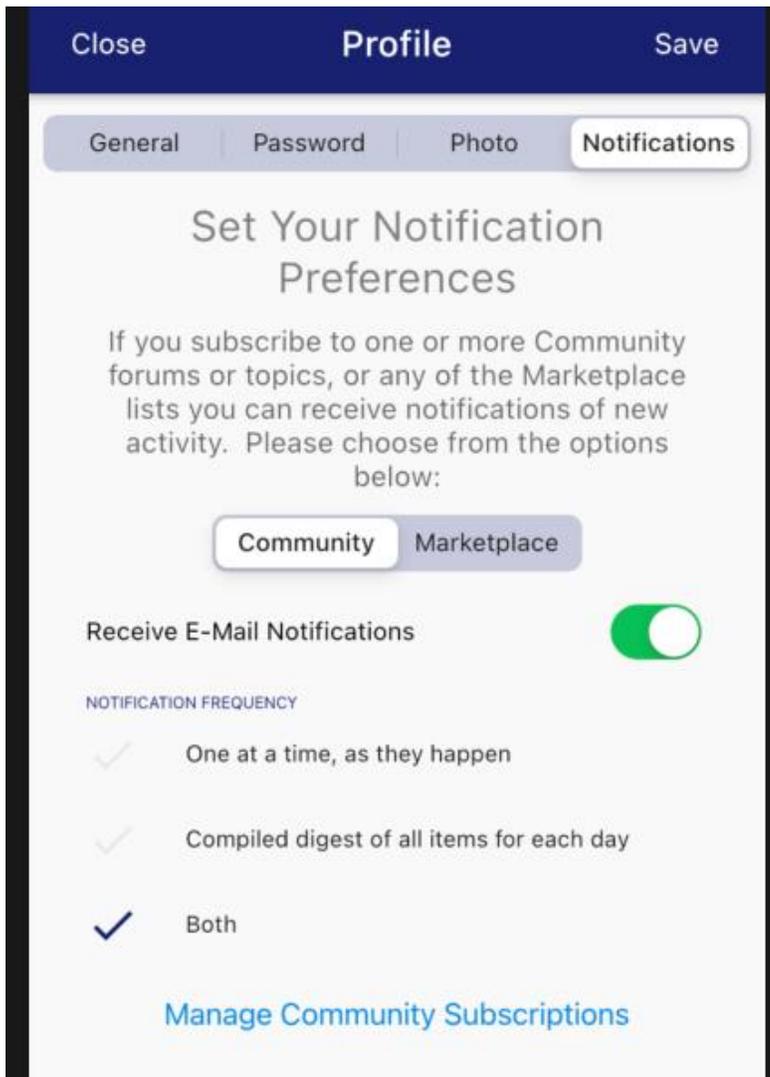
You may explicitly subscribe to specific forums (and thus *all* of the topics that are created within it), or specific topics (without having to be subscribed to that topic’s forum). This is done with the *Manage Subscriptions* tool and is accessed two ways:

The button on the Community home screen:



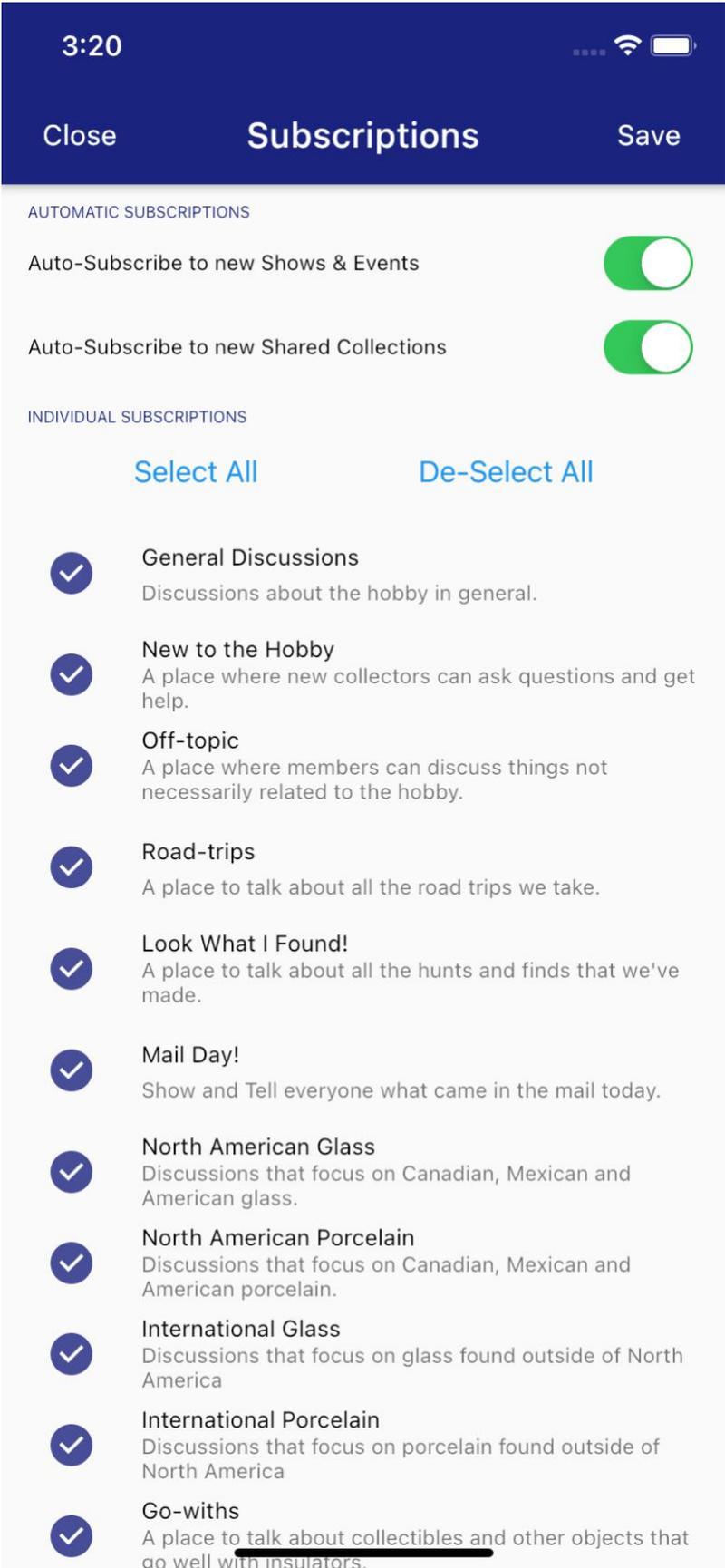
Community List subscriptions button on mobile

Or the ‘Manage Community Subscriptions’ button on the *Profile : Notifications* screen:



*Community manage subscriptions button on mobile*

Clicking either of these buttons will open up the following screen:



Manage Subscriptions screen on mobile

This page includes a list of *all* forums in the system, *including* individual members' shared collections as well as Shows & Events (each gets its own forum). You may *toggle* each forum individually, or you may use the

buttons near the top of the page to quickly check or un-check all of the options, after which you can still toggle any particular forums you wish.

There are also options that control whether or not you will be automatically subscribed to any new forums that come about when either new Shows are created or when members share their collections (which produces a new forum).

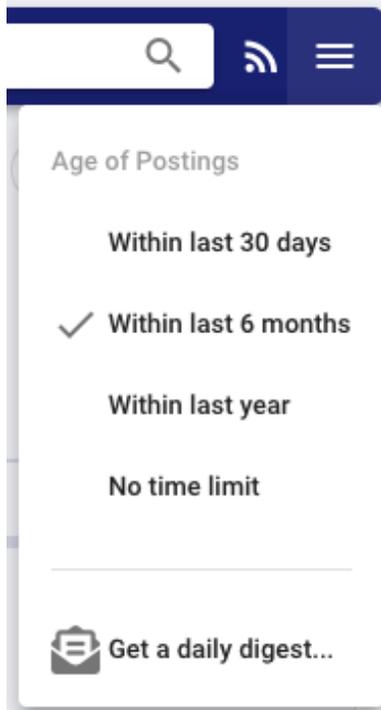
Tip: The list may be very long due to individual member [shared collection] forums and Show & Event forums. Please remember to scroll down to see/toggle everything you are interested in (or not).

Toggling a forum *on* generally means that you will see and be notified of any topics or posts that are added to, or modified within that forum. That said, even if a forum is 'on', you may still *un-subscribe* to one or more individual topics within that forum (see above *Forum Topics view* documentation). Toggling a forum *off* means that you will *not* see or be notified of any activity within that forum. Again though, you may still explicitly *subscribe* to individual topics within that forum and thus you will still see or be notified of activity within those topics.

When a new member joins NIA Companion they are auto-subscribed to all forums. Likewise, any time a member creates a new Topic or responds to a topic with a new Post, they (but nobody else) are explicitly subscribed to that topic if they already are *not already* subscribed to that topic's forum.

### Additional items (on far-right menu)

When tapped/clicked, the *additional items* button will display a *menu* of options:



Community addl. Options menu on web

The upper part of the menu allows you to choose the *maximum age* for the items the program should show you. The *older* that age, the more items will be in your list, and thus the more scrolling you would have to do to "get to the bottom." Remember that all of the previous posts are stored in a database, and so if you ever

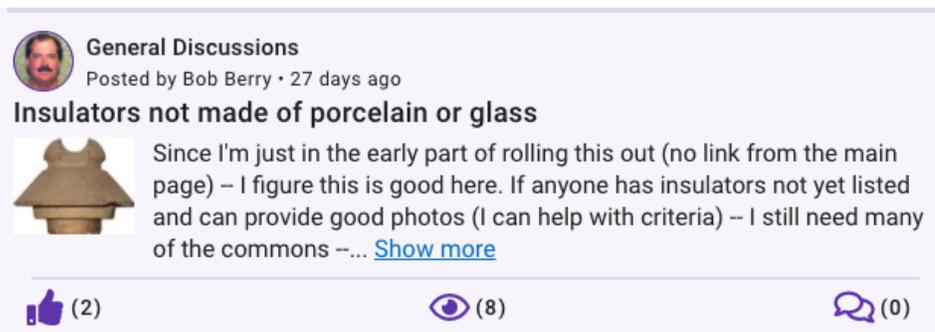
want to *search* for something in specific, you can do so without worrying about the age of the item – it will be found and display so that you can view it in its entirety.

The bottom item in the menu is used for getting a compiled digest of all Community items (that you are subscribed to) for any given day sent to you via email.

## Most Recent, Most Active and All Forums list views

The initial screen of the Community area allows the user to choose between three different *lists* of information. The three lists are all coming from the same *database* of Forums, Topics and Posts, however they display different *views* of that data, depending on the user's preference. The first two lists will *only* display items from Forums or Topics that the member has *explicitly subscribed* to. The intent is to reduce the overall "clutter" for these two lists so that the member does not have to scroll through items they are not interested in.

The "Most Recent" list contains all posts whereby the latest item is at the top of the list (and the oldest at the bottom). As new topics and response posts are created the list will be re-built. The "Most Active" list also contains all posts however it is *sorted*, or *ordered* in such a way that the *topics* that have the most response posts are at the top of the list, and those with the fewest at the bottom. This view is useful if the user is trying to quickly see which topics are generating the most activity, i.e., the most interest. Both lists display their items in the same way. Below is an example:



Example of Most Recent item on web

There are many parts to each item:

- Photo or avatar of the member who created *this* post. Clicking on this will open another screen with additional details of that member, the amount of which depends on that member's *privacy level*.
- The name of the *forum* to which this topic/post was created under. Clicking on the forum name will open a new screen that displays all of the *topics* within that forum.
- The name of the member who created the topic/post, as well as the *age* of the post.
- The name, or *subject* of the topic to which this post was created within.
- A *thumbnail* sized photo that may accompany the current post. Clicking on the photo will result in a new screen being opened up with a *full-size* version of the photo. That screen allows the user to *zoom in* or *zoom out* as well as to *pan* (slide) the image in any direction. Please see the detailed description of the "[zoom photo tool](#)" near the end of this document. The thumbnail image may also have a small *badge* (circle with number inside) that indicates how many *other* photos are attached to that post.
- The text, or *body* of the post. Depending on how much text there is, the initial view may be *clipped* to only show three or so lines. In those cases, there will be a "Show more" link/button used for *expanding* the clipped text so that *all* the text is displayed. Once expanded, there will be a "Show less" link/button at the end of the text used for *contracting* the text back to its original clipped view.

Clicking/tapping directly on the text will open a new screen that displays all of the posts for the current topic.

- The “thumbs up” icon-button, signifies how many people have *liked* this particular post. The icon may be *solid* or *hollow*, indicating whether *you* have liked the post or not. Clicking the icon will switch between liking and un-liking the post.
- The “eye” icon, signifies how many members have viewed the topic that the current post belongs to.
- The “quote bubbles” icon, signifies how many responses have been posted to the topic that the current post belongs to.
- Unless otherwise noted, clicking or tapping anywhere within the item will open a new screen that displays all of that topic’s posts.

The All Forums list is made up of all the forums in the Community. They are *grouped* into several sub-lists:

- Discussions, which are standard types of conversations;
- Shared Collections, which are created when a member *shares* one or more of their Collection pieces;
- Shows & Events, by year, which are created when a show host creates a show or event.

The All Forums list allows members to see and explore forums and topics that they may not be subscribed to at that time. Remember – the Most Recent and Most Active lists *only* display posts from Forums or Topics that the member explicitly subscribed to. Here is an example of what an item from the All Forums list looks like:

---

### North American Glass

Discussions that focus on Canadian, Mexican and American glass.

5 topics, 21 total posts

Last post by Daniel Gauron • 2 months ago

---

*Example of All Forums item on web*

There are several parts to each item:

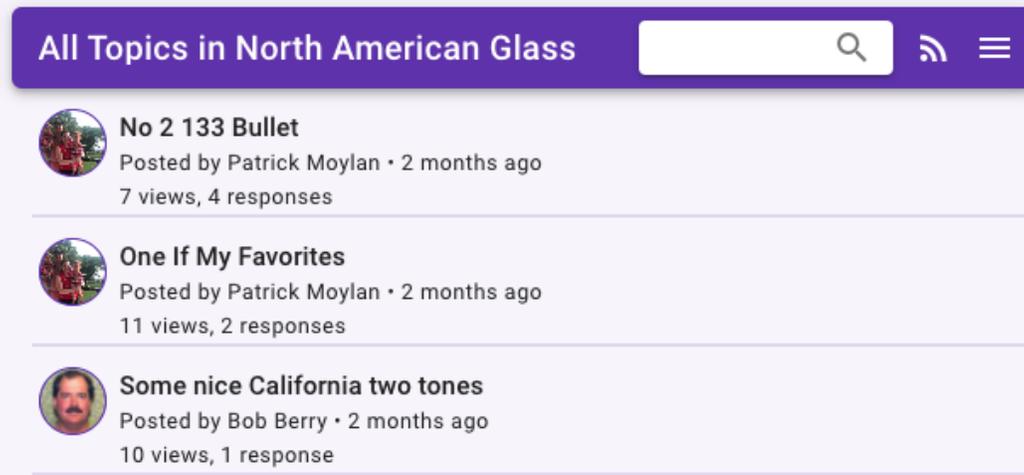
- The name of the forum, followed by...
- The description of the forum
- The number of topics within the forum, followed by the total number of posts
- The name of the member who last posted to a topic within that forum, as well as the age of that post

Clicking anywhere within a forum item will open a new screen that displays all of the topics within that forum (see below for details).

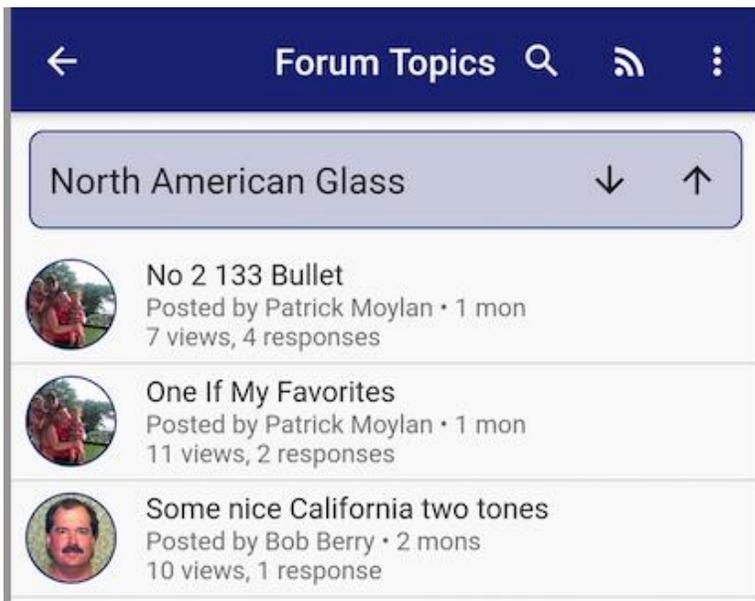
Tip: All three lists will *remember* how far down you scrolled and will automatically re-scroll to the same position the next time the Community screen is accessed. Likewise the *age option* will also be remembered, *and* the specific list that was being viewed will be remembered.

## Forum Topics view

If the user has selected a specific forum from within the All Forums list, or clicked on a forum name within an item in the Most Recent or Most Active lists, then they will be shown a new screen that lists all of the topics within the selected forum. Here is a partial view of what this screen looks like on the website and then the mobile app:



Partial view of All Topics screen on web



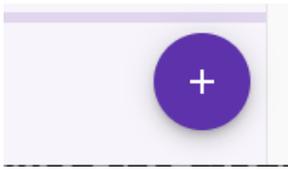
Partial view of All Topics screen on mobile

At the top of the list is a header, similar to the initial Community screen. The *title* of the screen differs depending on the device you are using – for web it will include the *name* of the forum, whereas on mobile the name is shown directly below the header, along with *arrow buttons* that can be used to switch to different forums. To the right of the screen title is the search tool, again, very similar to that in the Community screen. Likewise, to the right of the search tool is the *manage subscriptions* button (see above for more on that). To the right of the subscriptions button is the *additional options* button, similar again to that on the Community screen. Clicking that button will display options for *sorting* the topics in the list. Finally, on the mobile version, there is an icon button to the *left* of the forum title – the *go back* button. Tapping that button will bring the user back to the initial Community screen. For Android users, the device’s hardware and/or software *back button* will perform the same task.

Tip: On mobile devices, the *arrow buttons* will move “up” and “down” the entire list of forums. When it gets to the very top (first) of the list, clicking “up” again will *wrap* the list and display the last item in the list. Likewise, if the user was viewing the bottom (last) of the list, clicking “down” again would wrap the list, this time moving to the first item in the list.

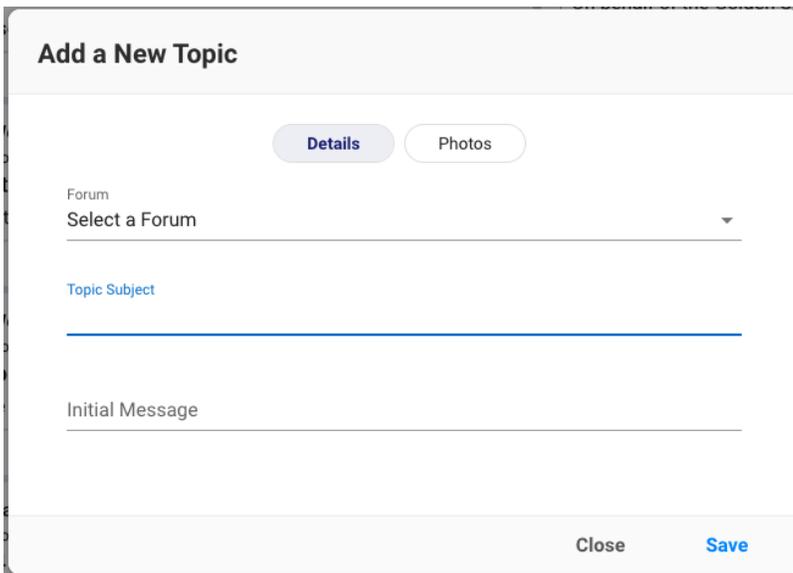
## Adding a Topic

All forums are made up of one or more *topics*. A topic is an idea, question or announcement that one member would like to *discuss* with other members. Creating a new topic is easy and quick. In the bottom right corner of the Community lists page (and the Forum Topics list page) is a large circular button with a *plus sign* in it:

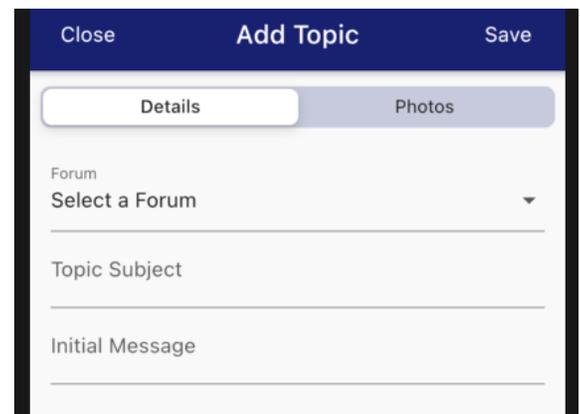


Add Topic button

Clicking on the “Add Topic” button opens the following screens which differ from each other depending on which platform you are using:



Add Topic screen on website



Add Topic screen on mobile

There are three *mandatory* items needed to create a topic, plus one or more optional items (photos). The first mandatory item is the *forum* that you would like the new topic created within. Clicking or tapping the “Select a Forum” field (as shown above) will result in a list of all available forums being displayed. The list is long so you may need to scroll a bit before seeing the one you want. Click on the desired forum and its name will be shown on the underlying screen. The second mandatory item is the *subject* of the topic. Generally, this consists of a few words that sum up the idea, question or announcement. The third mandatory item is the *initial message* of the topic, also known as the initial *post*. This is where the user can fully explain their topic. Multiple sentences and paragraphs are allowing in this field – up to 2,500 characters which is well over a solid page of text (in a word processor).

Tip: On mobile devices, each *word* within a topic’s subject will be automatically capitalized, and within the initial message each *sentence’s* first word will be capitalized. On the website version however, only the first word of both the subject and the initial message will be capitalized.

Tip: The initial message can contain *hyperlinks* to external website. If you are going to include a hyperlink, please make sure to prefix it appropriately, i.e., “https://” or “http://”, depending on the actual address.

Each topic can optionally include one or more attached photos. Photos are attached to the topic *before* the topic is saved, though you can always *edit* a topic and add or remove photos. To work with attached photos,

click or tap the “Photos” button and a new panel will be displayed. On that panel you can add one or more photos, including captions. For more information on using this feature please view the section titled “[Working with attached photos](#)” near the end of this document.

Once the mandatory fields are filled in and any photos are attached (or not) the topic can be *saved* by clicking or tapping the “Save” button. At that point the information will be sent to the server will automatically show up in the list screen, both for the member who created the topic and any other members who subscribe to the topic’s forum.

## Topic Posts view

Whereas the initial Community lists display a single post from multiple topics, the Topic Posts screen displays all of the posts for a *single* topic. Selecting an item in the “Most Recent” or “Most Active” lists will result in a new screen being displayed that displays all of the posts within the selected item’s topic. The posts make up what can be called a “threaded conversation” due to the fact that within any single topic there may be several *sub-conversations*, each of which is known as a *thread*.

Tip: When selecting an item in the initial Community lists, the Topic Posts screen will display *that item (post)* in the list. Depending on “how far down” in the conversation that post is, the screen may be “auto-scrolled down” to that post, meaning, the user may not initially see the “top” of the conversation. Additionally, on the mobile version, the target post will be temporarily *highlighted* so as to identify it easily.

The Topic Posts screen is organized whereby the initial post is at the “top” and all subsequent response posts are below it. Some of the posts that come after the initial post are *indented*, which signifies that they are responses not to the initial post itself, but one of the subsequent posts. The following “outline” illustrates an example of a threaded conversation:

- 1.0 Original Post
  - 1.1. Response to original post
    - 1.1.1 Response to 1.1
      - 1.1.1.1 Response to 1.1.1
    - 1.1.2. Response to 1.1
  - 1.2. Response to original post

While the topic’s initial post is always at the “top” of the list, the most recent responses are not *always* at the “bottom”. Depending on which post a response is meant for, it may be located “at the bottom” of the list, or, it may be somewhere in the “middle”, i.e., “under” the post to which it is in response.

Threaded conversations can get very *deep* as users respond to responses (versus the initial post). As the *depth* increases, the *width* of the post, as shown on the screen, gets narrower and narrower. Once it gets too deep, subsequent posts (at even deeper levels) are hidden from the initial view and have to be accessed by *drilling down* into the deepest item that is shown. When a particular post has *hidden* responses, there will be an additional button within that post. Clicking the button will result in the existing posts list being hidden, and the “deeper/hidden” responses being displayed. The user can view and respond to those [deeper] responses as well as returning to the previous list of posts.

Here is an example topic with several response posts:

Topic Posts

0 Provo with Base

 **Doug Rusher**  
Posted 25 days ago (1/5/2021 at 2:36 PM)

 0 Provo with Muncie Base

 (3)     (11)     (5)

---

 **David Baron**  
Posted 24 days ago (1/5/2021 at 11:16 PM)

Great piece Doug... close to mint!

 (1)    [Respond to this post](#)

---

 **Bob Berry**  
Posted 21 days ago (1/9/2021 at 12:44 PM)

Do you have a pin insert? Typically the 0 provos have a large pinhole preventing the pin from fitting through the top of the CD 310 base

 (0)    [Respond to this post](#)

---

 **Doug Rusher**  
Posted 19 days ago (1/10/2021 at 11:15 PM)

 Hi Bob, Yes I used a Muncie pin and then used a pin adapter  
(Edited 1/10/2021 at 11:16 PM)

 (1)    [Respond to this post](#)

---

 **Spencer Garten**

[Respond to Original Post](#)

Topic Posts screen on website

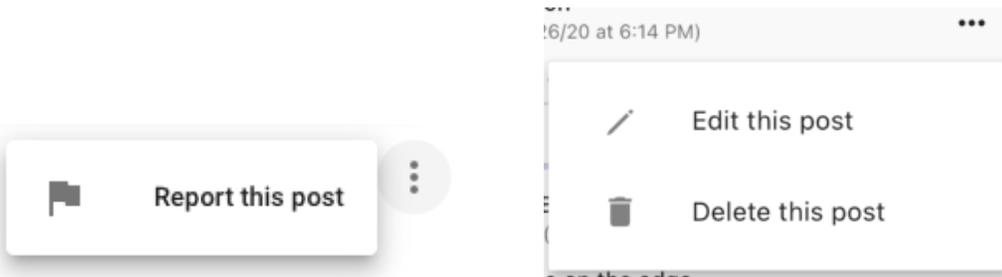
The initial post (used to create the topic) is always at the top/beginning of the list. It stands out from the responses in that it has a special *header*, which includes the topic's *subject*, and a *footer*, which includes a *like* button, a *views* icon and a *responses* button. Clicking the *like* button will *toggle* the current user's like-value, either no-to-yes, or yes-to-no. The icon will be *solid* when the current user likes the post, or *hollow* when they do not. The total number of likes is placed next to the icon. On the website version, clicking on the number of likes will result in a new screen being *popped up* to display all of the members who liked that post. The "eye" icon denotes how many members have *viewed* the topic (and any of the posts). The "chat bubbles" icon denotes how many responses have been made to the topic (either to the initial post or any of the subsequent posts). Clicking or tapping on that icon (or the number beside it) will result in a new screen being opened in which the member can respond to the initial post.

All posts include an avatar for the member who created the post, their name, and when that post was created (and possibly edited). Clicking or tapping on the avatar will result in a new screen opening that displays the details for that member, dependent on that member's privacy options.

Below the avatar, poster's name and date information is the *contents* of the post itself. At a minimum there will be some amount of text displayed. Depending on how much text was posted, the initial view may be *clipped* to only show three or so lines. In those cases, there will be a "Show more" link/button used for *expanding* the clipped text so that *all* the text is displayed. Once expanded, there will be a "Show less" link/button at the end of the text used for *contracting* the text back to its original clipped view. On the mobile version tapping the clipped/expanded text will accomplish the same thing as the "Show more/Show less" buttons.

If the post has one or more photos attached, then the "show in list" photo will be displayed, as a thumbnail, to the left of the post's text. Clicking on the photo will result in a new screen being opened up with a *full-size* version of the photo. That screen allows the user to *zoom in* or *zoom out* as well as to *pan* (slide) the image in any direction. Please see the detailed description of the "[zoom photo tool](#)" near the end of this document. The thumbnail image may also have a small *badge* (circle with number inside) that indicates how many *other* photos are attached to that post.

All response posts also include is a special *menu* that is available in the upper-right area of their heading area. Depending on who created the post, the items in the menu differ:



Post menu for non-creator on Android/website

Post menu for creator on iOS

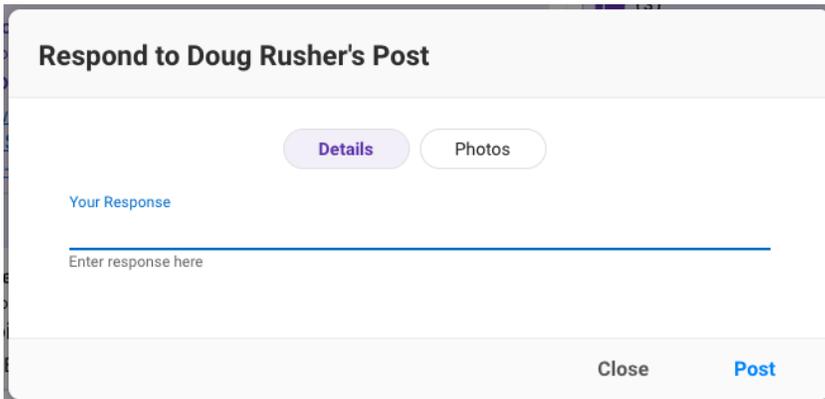
The menu for everyone *except* the member who created a post only has one item in it – "Report this post". Clicking/tapping that option results in a new screen being shown that allows a member to select one or more reasons that that the administrators of the program should review the post and possibly contact its author.

The menu for the member who created the post has an option for *editing* the post, or *deleting* it. Editing the post results in a new screen being shown that allows the post's text to be altered, as well as any attached photos being added or removed. Posts which have been edited display both their created data and time, as well as their edit date and time. Deleting a post can mean two things, depending on whether other members have responded to *that* post yet. In cases where nobody has responded to the post, the user is asked if they *really* want to delete the post, meaning fully erase the post from the database. However, if any members have responded to that post, then the program will *not* fully delete the post from the database. This is meant to preserve the other members' responses, some of which may be lengthy and valuable. Instead, the user is told of this condition and asked if they want to "remove" the text of their post. They are also told that this condition can be reversed in the future if they wish.

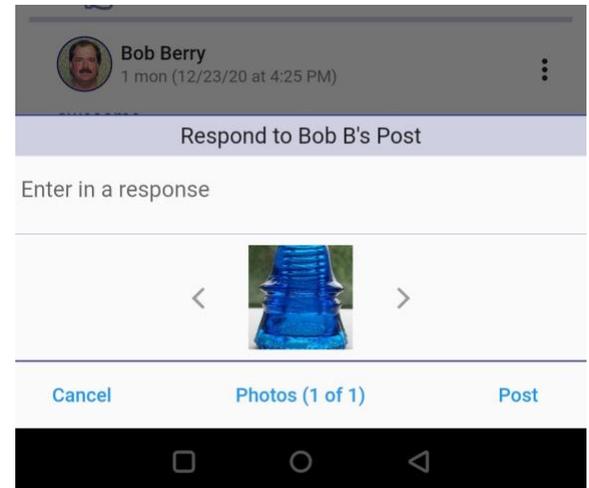
## Responding to a Topic/Post

One of the main reasons for creating a topic is to illicit responses from fellow members. Responding to a topic or post is fast and easy. The topic's original post can be responded to either by clicking/tapping on its *conversation bubbles* icon, or by clicking/tapping the "Respond to Original Post" button located at the bottom of the Topic Posts screen. Responding to any other response post can be done by clicking/tapping the

“Respond to this post” button which is located in the bottom-right corner of every post. In either case, a new screen will be opened, the appearance of which will depend on the platform:



Add Response screen on website



Add Response screen on Android

In either version there is a place to enter the response message, as well as a means of attaching one or more photos to the response. The message is *mandatory*, i.e., you cannot post a response with no message (even if there *is* a photo), whereas the photos are optional. The message field will *grow* as additional text is entered, and each response can be up to 2,500 characters long. Photos are attached to the topic *before* the response is posted, though responses can always be *edited* to have additional photos. To work with attached photos, click or tap the “Photos” button and a new panel will be displayed. On that panel you can add one or more photos, including captions. For more information on using this feature please view the section titled “[Working with attached photos](#)” near the end of this document.

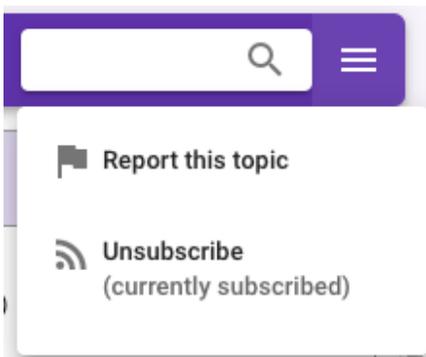
Tip: On the mobile version, the button which indicates how many photos are attached is used to add additional photos, either from the device or via the device’s camera. It is also used to remove the *current* photo being displayed.

Once a post has been saved it will show up within the threaded conversation at the appropriate position. For example, responding to the original post will always result in the new post being placed at the very bottom of the list. However responding to one of the first response posts may result in the new post being placed very near the top of the list, albeit *indented* by the appropriate amount.

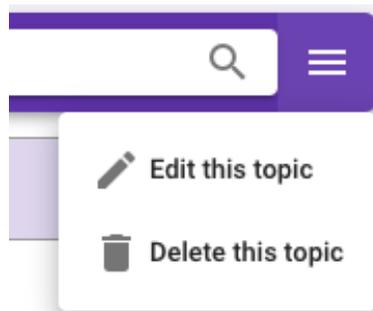
## Other actions

Above the list of topic posts is the *header* area. The header area differs per platform. On the website version there is a *search field*, which is very similar to that of the initial Community lists screen. Typing into the field results in matches being highlighted in yellow. Besides the search field is an actions menu, which contains different options depending on who the current user is. If the current user created the topic, then they are given the option to either *edit* the topic’s initial post message and/or attach/removed photos, or, *delete* the topic. Both of these actions are exactly the same as explained about for posts. If the current user did *not* create the topic then they are given the option to either *report* the topic, which is exactly the same as explained above for posts, or to *toggle* their *subscription* to the topic. If the current user is subscribed to the forum in which the topic is part of, then they are implicitly subscribed to the topic. That said, a member can *explicitly* un-subscribe from a particular topic even though they remain subscribed to that topic’s forum. Likewise, they can explicitly subscribe to a topic even though they are *not* subscribed to that topic’s forum.

Note: The creator of a topic is automatically subscribed to their own topic and they cannot un-subscribe themselves from it.

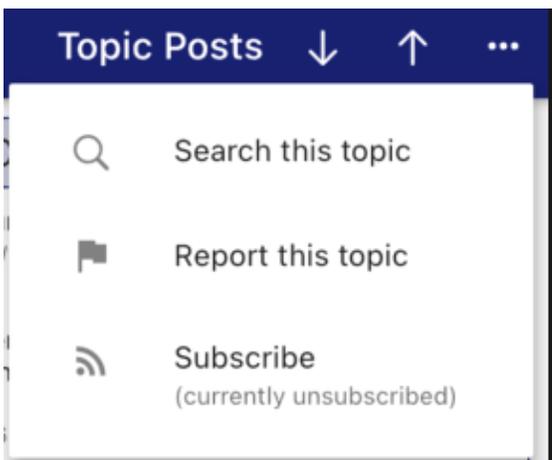


Topic menu for non-authors on website

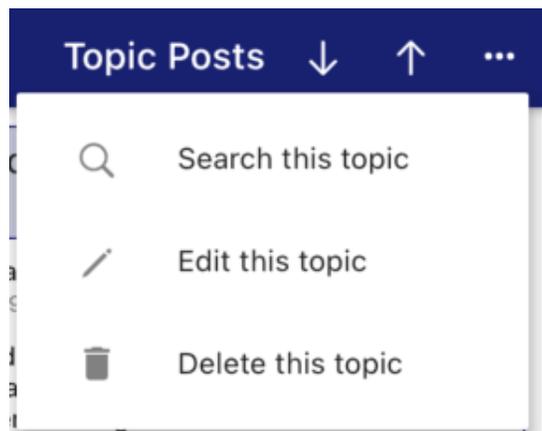


Topic menu for authors on website

On the mobile version, the header area is a bit different. Since the initial Community list screen is not visible, there are “up” and “down” arrow buttons that allow the user to move to the *previous* (up) or *next* (down) Topic in the initial Community list. Next to arrow buttons is an actions menu, which like above, is different depending on who is using the program. Both conditions include a “Search this topic” button which, when tapped, will result in the header area being changed to allow searching. Besides the “search” button, the other four options are as described above.



Topic menu for non-authors on mobile



Topic menu for authors on mobile

## Marketplace

### Overview

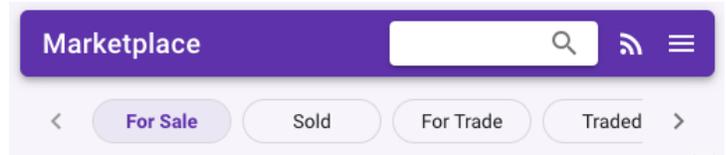
The Marketplace is an area where members can buy, sell, trade, and even *want* insulators and related “go-withs”. Every member may create *ads* in which they describe what they are selling, trading or trying to find. Other members in return can respond to those ads in real-time with confidence that their responses will be shown to the ad creators in the order in which they were received.

### List view

The Marketplace is presented to the user as a list of items. Above the list is the *heading area* for the screen, and it includes buttons and tools used for searching, subscriptions and additional functions.



Marketplace List screen header on mobile



Marketplace List screen header on web-site

On the mobile version, the *hamburger menu* is on the far left (used to display the Navigation panel), followed by the “Search” button, the “Manage Subscriptions” tool (please see the section near the end of this document concerning searching), and the *additional options* button. On the web-site version there is no *hamburger menu* on the left, since the Navigation panel is always visible.

## Searching

When searching the Marketplace, as soon as the user types in 3 or more characters in the text field, the program will search the Marketplace, as limited by the existing *age option*, for your search term. Please see the detailed description of the “[searching for items](#)” tool near the end of this document. The program will scan the following *fields* for a match:

- Ad title
- Ad text, i.e., the *body* or *description* of the ad
- First and Last names of the member who created the ad

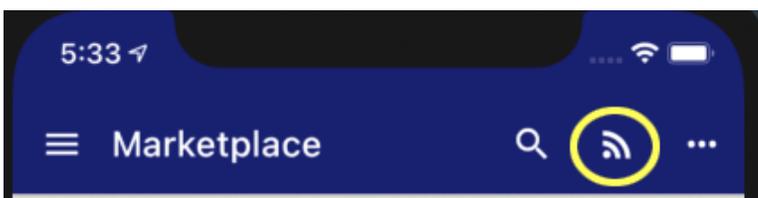
If there are any matches, results will be listed out for you and the search term will be highlighted in yellow.

Note: As mentioned above, searching is limited to the *age* of the Marketplace (an option that the user can change). What this means is that the *age limit* of the Marketplace is “60 days” then ads created or modified earlier than 60 ago will *not* be found. If there is a need to search for *anything*, then the *age limit* should be set to “no limit” (see below for explanation).

## Subscriptions

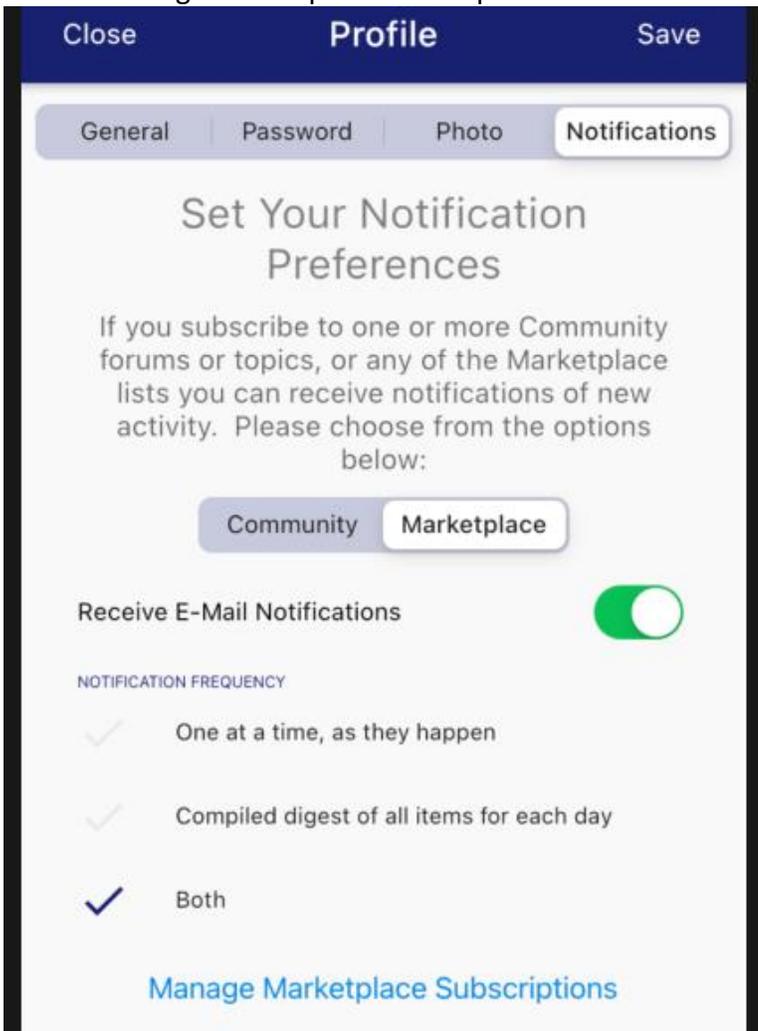
Marketplace Subscriptions control what you are *notified about*, assuming you have turned *on* notifications (see Profile : Notifications section). For example, if you are not subscribed to *anything*, then you would not be notified of any new items added to the Marketplace.

You may explicitly subscribe to specific lists by using the *Manage Subscriptions* tool and is accessed two ways: The button on the Marketplace home screen:



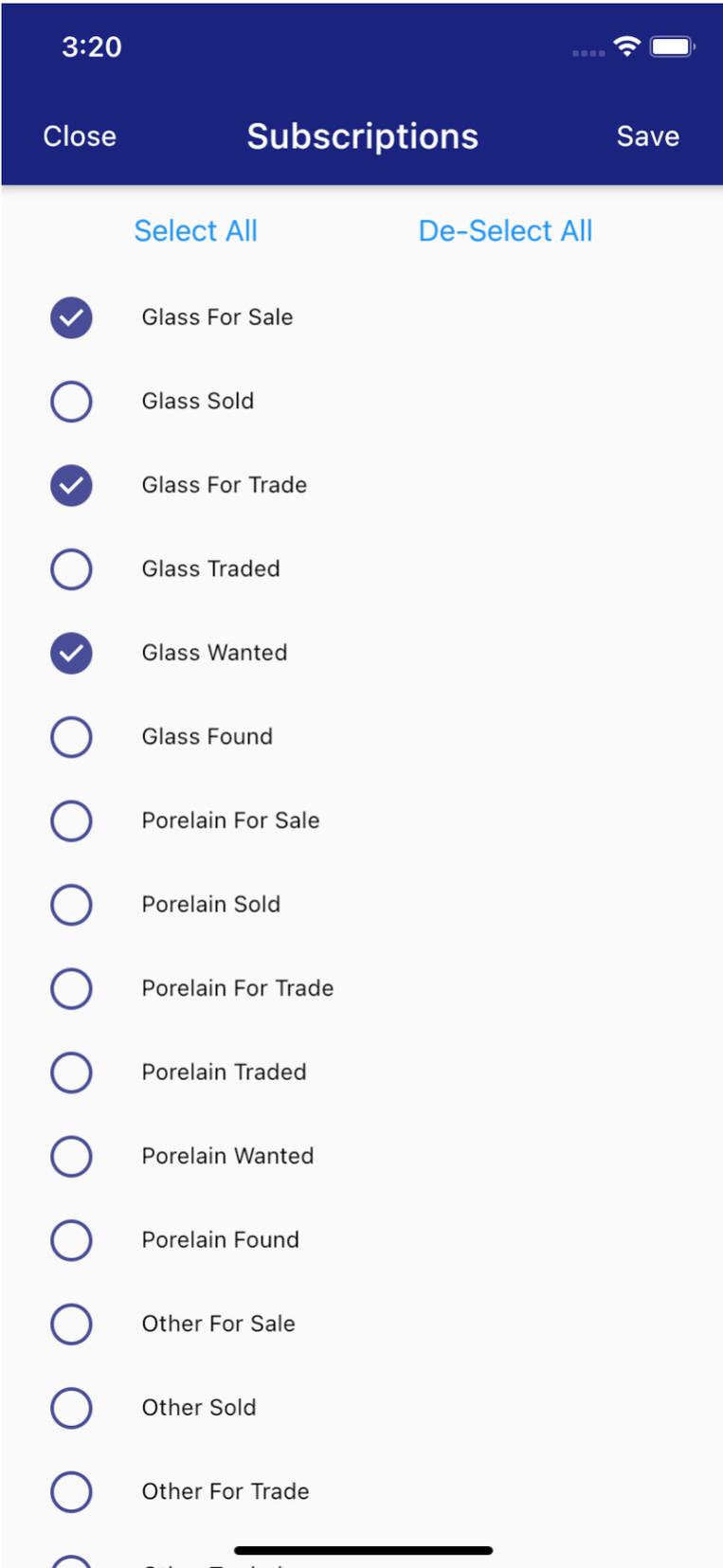
Marketplace List subscriptions button on mobile

Or the 'Manage Marketplace Subscriptions' button on the *Profile : Notifications* screen:



*Marketplace manage subscriptions button on mobile*

Clicking either of these buttons will open up the following screen:



Manage Subscriptions screen on mobile

This page includes all of the lists in the Marketplace. You may *toggle* each list individually, or you may use the buttons near the top of the page to quickly check or un-check all of the options, after which you can still toggle any particular lists you wish.

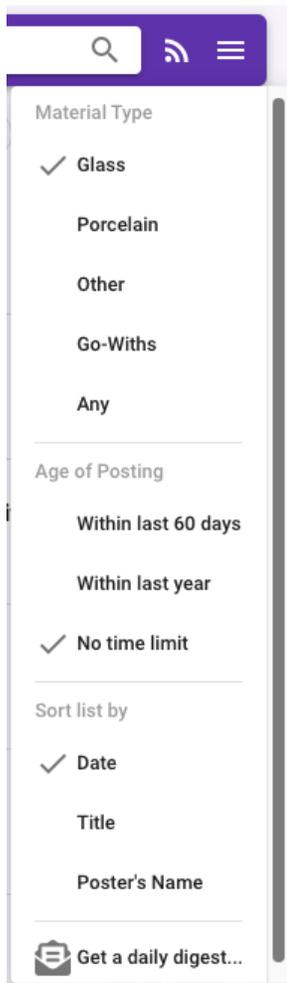
Tip: The list is too long to fit on most mobile devices. Please remember to scroll down to see/toggle everything you are interested in (or not).

Toggling a list *on* means that you will be notified of any ads that are created, or modified within that list. Toggling a forum *off* means that you will *not* see or be notified of any activity within that list.

When a new member joins NIA Companion they are *not* auto-subscribed to any Marketplace lists. This is because unlike Community, a member who is not subscribed to any Marketplace list will still see all of the ads within all of the lists, but simply will not be *notified* of their creation.

### Additional items (on far-right menu)

When tapped/clicked, the *additional items* button will display a *menu* of options:



Marketplace options menu on website

Selected options are *remembered* by the program so that the next time the user accesses the screen, the list will be presented in the same way it was the last time it was seen.

The top-most option is for limiting the Marketplace to display only the selected *material* type, or *all* types at once. The middle option is for limiting the Marketplace to display only those ads which were created or last modified within the given time frame, or, all ads regardless of date. The more constrained the age option is, the fewer items in the list, which can make scrolling and finding things easier and faster. The bottom option

concerns *sorting*, which controls the “order” in which items are displayed. The *default* sort option is “date”, i.e., the date which the ad was created *or* edited. For dates, the list is initially sorted so that the *most recent* dates are at the top of the list and the oldest dates are at the bottom. When sorting by the *title* of the ad or the name of the member who created the ad, i.e., the *poster*, the list is sorted “alphabetically”, meaning items that begin with “A” are at the top and items that begin with “Z” are at the bottom.

Tip: To *reverse* the current sort option, the user simply needs to re-click/tap that item in the options menu.

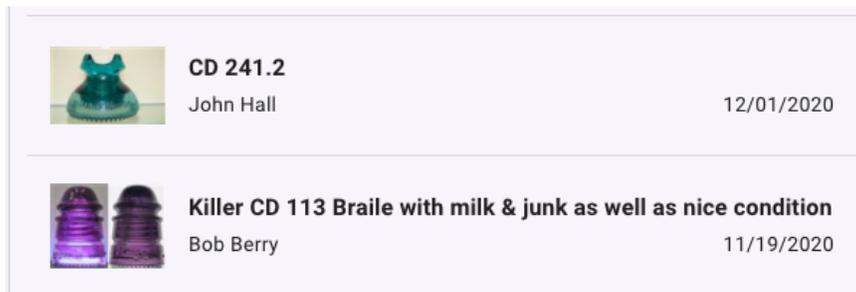
## Individual Lists

The “overall” Marketplace list is divided up into six individual lists, of which one is available at a time:

- Items For Sale
- Items that have Sold
- Items For Trade
- Items that have been Traded
- Items that are Wanted
- Items that were wanted and are now Found

By dividing up the overall Marketplace into the above lists, users have quicker and easier means of finding and reviewing the ads they are most interested in. Here is an example of the options menu in the Marketplace:

Each item in the Marketplace list contains several pieces of information. Here is an example of a few items:



*Marketplace items on website*

At the far left is a photo of the item. All items must have at least one photo, but can have many more. Next to the photo, on the top, is the *title* of the ad. The title of the ad will be cut off (in the list screen only) to two lines. Below the title of the ad is the name of the member who posted the ad, as well as the date on which the ad was either created or last edited. If and when an item is either “on sale” (only applies to the For Sale type of items) or “pending”, then that special status will be displayed in-between the poster’s name and the date.

## Ad detail view – ‘ad viewer’

When an item in the Marketplace list is clicked/tapped then another screen is displayed where the details of the ad are shown. There are two versions of the *ad details* screen, one for all users *except* the member who created the ad, and the other for the member who created the ad. This reflects the two *purposes* that members have when viewing the screen – the creator of the ad is interested in reviewing any offers on the ad, and assigning a status to it, whereas all other members are interested in viewing the photos, reading the description, and possibly making an offer.

When a member who did not create the ad uses the ad detail screen, they will see the descriptive text in its entirety, as well as a *carousel* of the photos that are attached to the ad, and which allows the viewer to click or swipe thru them all. Depending on the *status* of the ad, they may also see either a “Pending” or “On Sale” notation above the title of the ad. The *header* of the screen will also vary, depending on the list that the ad came from, e.g., “Item for Sale”, “Sold Item”, “Item for Trade”, “Traded Item”, etc.. There is also a “flag” icon button to the right of the title. The button is used to *report* the ad to the System Administrators for one or more reasons, such as being offensive or inappropriate. Below is an example ad for an item that is for sale:



The screenshot shows a mobile marketplace interface. At the top is a purple header with the text "Item for Sale" and a flag icon. Below the header is a yellow "On Sale!" badge. The main title is "Awesome CD 145 Grand Canyon For Sale" in bold black text. Underneath the title is the listing information: "Listed Jan 31, 2021 at 12:13 PM by [David Baron](#)". A central image shows a CD in its jewel case, labeled "Front View". Below the image is the text "1 of 1". The description reads: "One of the deepest colored purple/violets I've seen. Amazing piece that rarely come up in this color and condition - near mint. Offered at a killer price of only \$550, plus shipping and optional insurance." At the bottom of the ad are three interactive elements: a thumbs-up icon with "(1)", a "Buy It!" button, and an eye icon with "(13)".

Marketplace For Sale ad on website

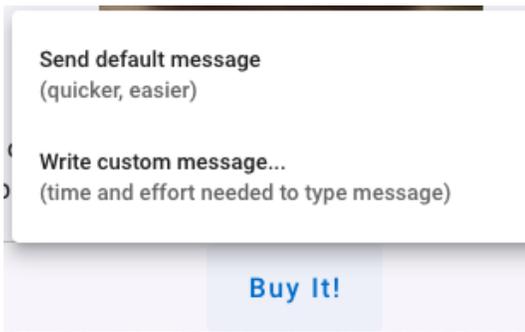
In the above example, this ad has been marked as “On Sale” by its lister, and so it displays a special status at the very top. Below that is the title of the ad, followed by the most recent date/time that the ad has been created or updated. The ad lister’s name is also displayed. If the lister’s privacy options allow for their email address to be shared, then the name, as displayed, can be clicked/tapped, which will result in the user’s default email program opening up with a new email ready to be sent to the lister’s email address. If the lister’s privacy options prohibit sharing their email address, then the name display will not be clickable.

Below the title, date and lister is what is known as a *carousel*, meaning, it is a multi-image display tool that the user can use to view all of the attached photos for the current ad. Assuming that the ad *does* have multiple photos, then on the mobile version the user can *swipe* sideways to move to the next or previous photo, while on the website version they can click on *arrow buttons* to do the same. Directly below the carousel is an

indicator of which photo within the set of photos is currently displaying, i.e., “1 of 4”, “3 of 4”, etc.. If there is only one photo attached to the ad then swiping will have no effect and there will be no “arrows” displayed on the website version.

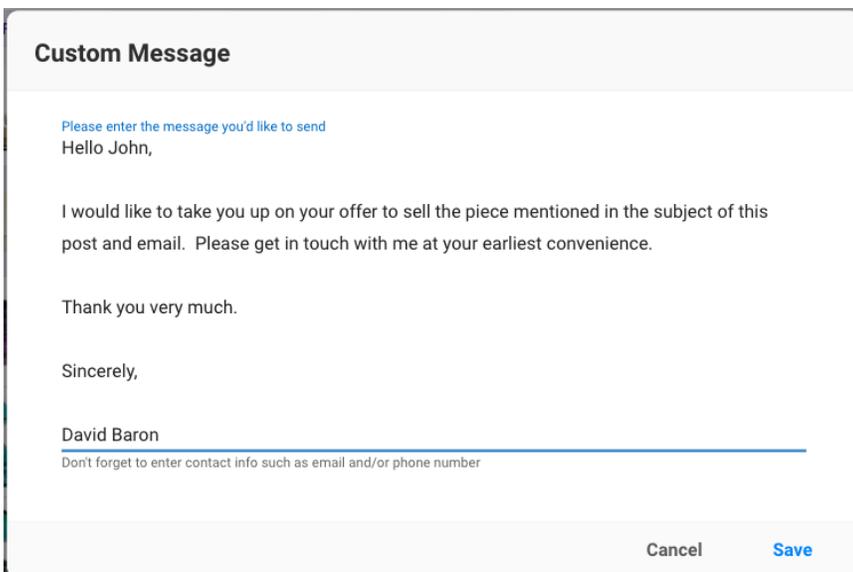
To get a full-sized (or more!) version of any attached photo, the user simply needs to click or tap on the image. This results in another screen being displayed *over* the current screen. Please see the detailed description of the “[zoom photo tool](#)” near the end of this document.

At the bottom of the page is a *toolbar* that contains several buttons and icons. At the far left is a “likes” button as well as a count indicator as to how many members have *liked* the current ad. As with a Community posting, if the current member has not yet liked the ad, then the icon is *hollow*, versus *solid* if the current member *has* liked the ad. Clicking on the button will *toggle* the current member’s like status (and increment or decrement the count indicator). On the far right is a *views* icon and accompanying count indicator. This merely shows how many members (including the current member) have seen the detail screen for the current ad. Depending on the *status* of the ad, there may be a button in the middle of the toolbar. For ads that are either in “For Sale”, “For Trade” or “Wanted” status, the button is used to send the poster of the ad an email, and to *record* the current member’s interest in that ad. See below for an example of the middle button:



*Buy It! Button for item For Sale on website*

The title of the button will vary based on the status, e.g., “Buy It!” when “For Sale”, “Trade for It!” when “For Trade”, and “Offer it” when “Wanted”. For “Wanted” or “For Trade” ads, clicking the button will result in a new screen being displayed to the user. That screen has a *default* response pre-filled in. The user can alter the message in any way they need or want before saving it. The following is an example of this:



*Custom Response Message screen on website*

For “For Sale” ads, clicking the button displays a small *menu* with two options (see above). One is the custom message as just discussed, but the other is to immediately send the default message to the ad poster with no modifications (or time delays). As we all know, sometimes it is only a matter of seconds that determines “who answered first” and so this would be the quickest way to do so.

### Ad detail view – ‘ad poster’

When an ad in a Marketplace list is clicked/tapped by the creator, or *poster*, of that ad, *and* that ad is still “active” (“For Sale”, “For Trade”, “Wanted”), their view of the ad detail screen will differ greatly from everyone else. The poster is not interested in viewing the photos, reading the ad text, or making an offer (on their own item) – they are instead interested in how many *other* members have viewed/liked the ad, and who has responded with either an offer or request for more information. Below is an example of an item that is for sale:

Item for Sale

 **Awesome CD 145 Grand Canyon For Sale**

One of the deepest colored purple/violets I've seen. Amazing piece that rarely come up in this color and condition - near mint. Offered at a killer price of only \$550, plus shipping and optional insurance.

This is a test ad.

Posted Jul 19, 2019 at 2:53 PM, Modified Jan 31, 2021 at 12:13 PM

Responses (1) Views (13) Likes (1)

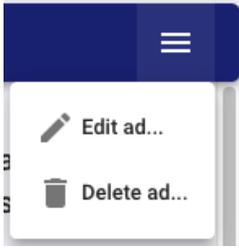
**1 Arielle Baron** Jun 4, 2020 at 4:21 PM  
Hello David, I would like to take you up on your offer of the piece mentioned in the subject of this post and... [Show more](#)

Set new status to

For Sale Pending Sold

Poster's view of For Sale Ad details screen in Marketplace on website

The *header* of the screen will vary, depending on the list that the ad came from, e.g., “Item for Sale”, “Sold Item”, “Item for Trade”, “Traded Item”, etc.. To the far-right of the title is an *actions menu* icon button. The button reveals a *menu* with options for editing the ad, or deleting it:



Actions menu for Poster

Below the header is a *thumbnail* image of their item and the *title* of the ad. Below the thumbnail and title is the text of the ad, and below that is the date and time the ad was first posted, as well as any more recent update date and time.

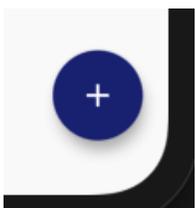
Note: Unlike other areas in the program which display a “medium” sized photo within a *carousel* that allows viewing all attached photos, there is only a *thumbnail* sized image of the *primary* photo. Clicking on the photo will result in a new screen being opened up with a *full-size* version of the photo. Please see the detailed description of the [“zoom photo tool”](#) near the end of this document. Again, this view is mainly for ad posters to view activity on their ad versus reviewing the photos. If the poster wants to change the photos attached to the ad, they would *edit* the ad (see below).

The middle of the screen contains a three-list *tabbed* view not unlike other tabbed views described in other areas of the program. The three tabs allow switching between a list of member responses, a list of member views, and a list of member likes, each with a count. The list of member responses is ordered so that the first response is at the *top* of the list and the most recent response at the *bottom*. This is meant to help ad posters to quickly and easily *see* exactly who responded first (assuming the responder used NIA Companion to send their response).

The bottom of the screen has a set of buttons that the poster can use to change the *status* of the ad. Items that are “For Sale” or “For Trade” can have one of three *statuses*, “For Sale/Trade”, “Pending”, and “Sold/Traded”. Items that are “Wanted” can have only two: “Wanted” and “Acquired”. The ad poster can change the status by clicking/tapping on the appropriate button. When an item is set to “Pending”, it will still show up in the “For Sale” or “For Trade” lists, however it will be marked as “Pending”. Ad viewers would still be able to send an offer, just in case the pending transaction fell through. Once an item’s status is changed to “Sold/Traded/Acquired”, then that item would be displayed on the corresponding list, and viewers would *not* be able to make offers on the item. Ad posters can change the status any time, for any reason.

## Creating and Editing an Ad

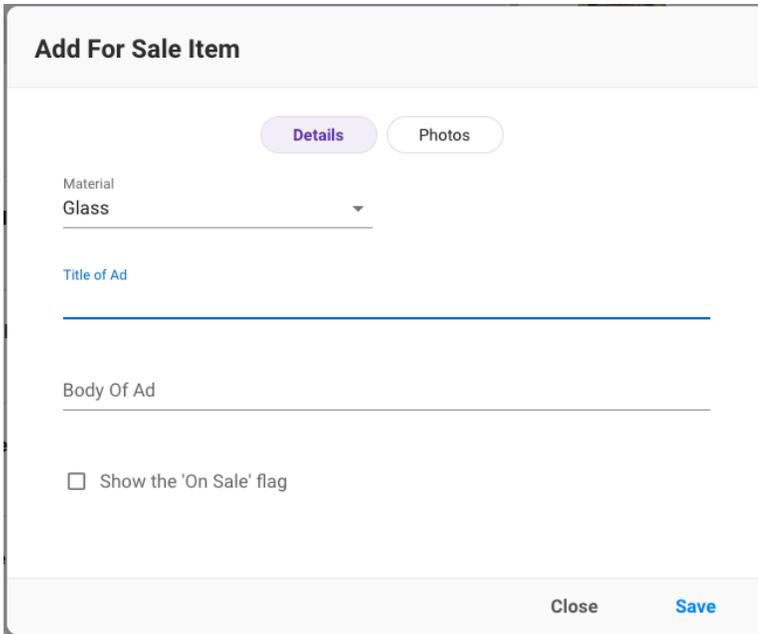
Any member may create an ad at any time. To begin the process the user would click the ‘Add’ circle button in the lower-right corner of the main Marketplace list screen:



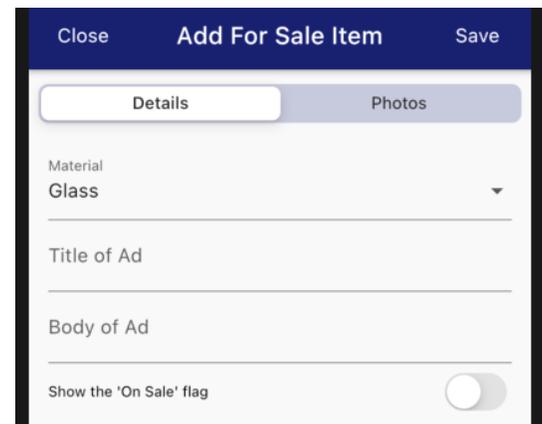
Create Ad button

Notes: The button is *only* available when viewing the “For Sale”, “For Trade” or “Wanted” lists. Additionally, new ads will be created *within* the list that is currently being viewed, i.e., if the “For Sale” list is being viewed and a new “For Trade” ad is desired, the list would need to be switched to “For Trade” before creating the ad.

Clicking on the “Create Ad” button opens the following screens which differ from each other depending on which platform you are using:



Create Ad screen on website



Create Ad screen on mobile

There are four *mandatory* items needed to create an ad, plus one or more optional items. The first mandatory item is the *material* type. This is a *pick list* field and is *defaulted* to the current material type that the member has selected (in the Marketplace list actions menu). To change the material the user would click or tap the existing value which will result in a list of all available types being displayed. Click on the desired type and its name will be shown on the underlying screen. The second mandatory item is the *title* of the ad. Generally, this consists of a few words that best sum up the item. Many ad posters include the suggested price (for “For Sale” items) in the title, as well as grandiose adjectives and superlatives. The third mandatory item is the *body* of the ad, also known as the *description*. This is where the poster can fully describe the item, the color, condition, cost, shipping, payment methods, etc.. Multiple sentences and paragraphs are allowing in this field – up to 2,500 characters which is well over a solid page of text (in a word processor). An additional *optional* attribute of “For Sale” type ads in the “Show the ‘On Sale’ flag” *checkbox*. Many ad posters use this option to indicated to viewers that their item has recently been reduced in price. Though this option *can* be set when creating an ad, the more typical scenario is to leave it off when creating the ad, and then *edit* the ad at some later time, reducing the price and setting the flag.

Tip: On mobile devices, each *word* within ad ad’s title will be automatically capitalized, and within the body each *sentence’s* first word will be capitalized. On the website version however, only the first word of both the title and the body will be capitalized.

Tip: The body can contain *hyperlinks* to external website. If you are going to include a hyperlink, please make sure to prefix it appropriately, i.e., “https://” or “http://”, depending on the actual address.

Each ad can *must* include at least one attached photo, and can *optionally* include numerous others. Photos are attached to the ad *before* the ad is saved, though ads can always be *edited* to have additional photos. To

work with attached photos, click or tap the “Photos” button and a new panel will be shown. On that panel one or more photos can be added, including captions. For more information on using this feature please view the section titled “[Working with attached photos](#)” near the end of this document.

Once the mandatory fields are filled in and any photos are attached (or not) the ad can be *saved* by clicking or tapping the “Save” button. At that point the information will be sent to the server will automatically show up in the list screen, both for the member who created the ad and any other members who subscribe to the appropriate Marketplace list and for the *material* designated in the ad.

The screen used for adding a new ad is also used for *editing* an existing ad. There are two ways to begin the editing process. As shown above in the “Poster’s view of ad details” screen-grab, there is both a circular “edit” button in the lower-right corner of the screen, as well as an “Edit Ad” option in the *actions* menu located in the upper-right corner of the screen. Clicking/tapping either will result in the *details* screen being shown with the current ad’s values being displayed and ready for editing.

## My Collection System

### Overview

The Collection system is a personal database of each member’s collection. The database is contained within the program’s cloud-based hosting site and so is available at any time, and from any device that can access the internet. There is no need to *copy* the database from a desktop computer to a mobile device, or to *synchronize* information from multiple devices. The one-and-only location of the data remains constant and available. Any changes made on your phone are instantly available on your desktop, and vice-a-versa. Plus, collection pieces can be *shared*, allowing other members to enjoy and learn about each other’s collections. That said, each collection and the pieces within it are uniquely identified as *belonging* to a single member. After signing in to the program, only those collections and pieces belonging to the current member can be looked at or modified (aside from shared pieces) by that member.

Each member has a single *master* collection which contains *all* of their *pieces*. Any piece a member *adds* to the system is automatically placed within the Master Collection. Members can also create *sub-collections* in which to *organize* those pieces. Any single piece can be *associated* with multiple sub-collections, or none at all. For instance, a collector might have a “North American” sub-collection, as well as an “International” sub-collection. He may also have a “Canadian”, “American” and “Mexican” sub-collection. Pieces that belong to the “Canadian” sub-collection can also belong to the “North American” sub-collection. Likewise, a member may have a “Favorites” sub-collection, to which they associate some number of pieces. Over time, they may remove, or *dis-associate* one or more of those pieces from their “Favorites”, with those pieces continuing to remain in their Master Collection. The combinations are endless, and, again, sub-collections are merely there to “slice and dice” a master collection into more desirable *views* at any given time.

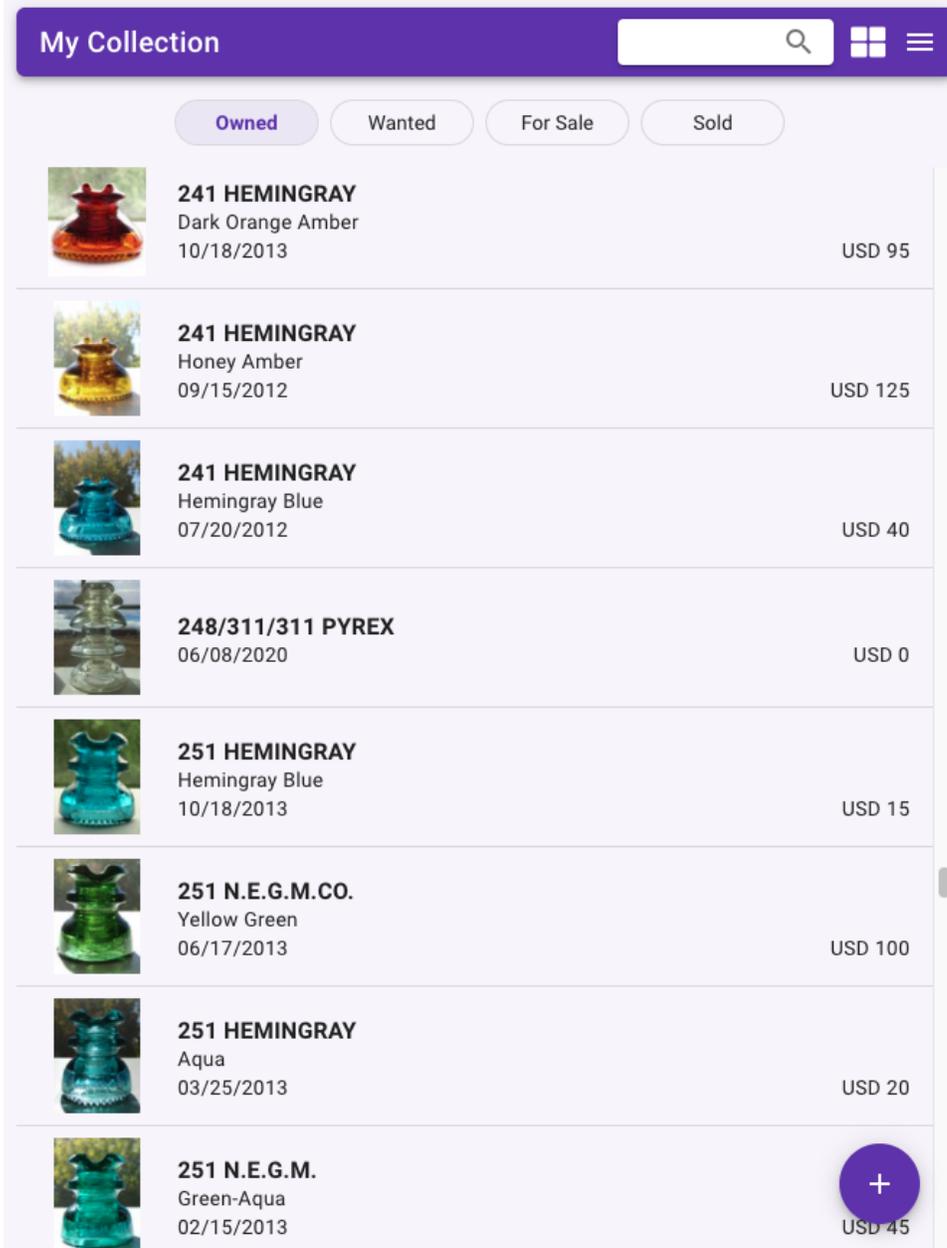
### List view

The Collection system is presented to the user as a list of pieces. The “overall” list is divided up into four *views*, each representing a different *state* in which a given piece may exist:

- Owned – these are pieces you have, regardless of how you acquired them, and which you have no current plans on removing from your collection.

- Wanted – these are piece you do not have [yet], but which you would like to have.
- For Sale – these are pieces that you still have, but which you are actively trying to divest yourself of, whether it by sale, trade or even give-away.
- Sold – these are piece you *used* to have, but which you either sold, traded, or gave away.

Below is a screen-grab of the My Collections screen:



My Collection screen on website

By dividing up the overall Collection into the above views, users have quicker and easier means of finding and reviewing the pieces they are most interested in.

At the top of the screen is the *header* area, which differs depending on the platform the user is using at the time:



My Collection screen header on mobile



My Collection screen header on web-site

On the far left of the mobile version is the *hamburger menu* used for showing the Navigation Panel (see above section of Home screen). The right side of the header contains the searching tool (please see the section near the end of this document concerning searching), the *view style* button and the *additional options* button.

When searching for pieces, the program will limit the search to both the current collection/sub-collections *and* the currently viewed *state*, i.e., “owned”, “wanted”, etc. Please see the detailed description of the “[searching for items](#)” tool near the end of this document. The program will scan the following *fields* for a match regardless of the currently viewed *state*:

- CD/Part/LR Number
- Color
- General Notes
- Primary Embossing
- Condition
- All Embossings
- Condition Notes

When viewing each of the four *states*, the program will *additionally* scan the following fields:

Owned

- Acquisition Price
- Valuation
- Acquired from Name
- Acquired from Show
- Acquired from Location

Wanted

- Expected Cost
- Priority

For Sale/Trade

- Listed Price
- Stock Number
- eBay ID

Sold/Traded

- Sold Price
- Sold to Name
- Sold to Email
- Sold to Address

So, for example, if a member is viewing their “owned” list, and they search for “200”, they will find any CD 200s, as well as any piece that they paid, or they value at, \$200.

Note: Future versions of NIA Companion will allow more complex searching, meaning, a user would be able to search specific fields for specific values, e.g., “find all glass pieces that are purple costing less than \$200”.

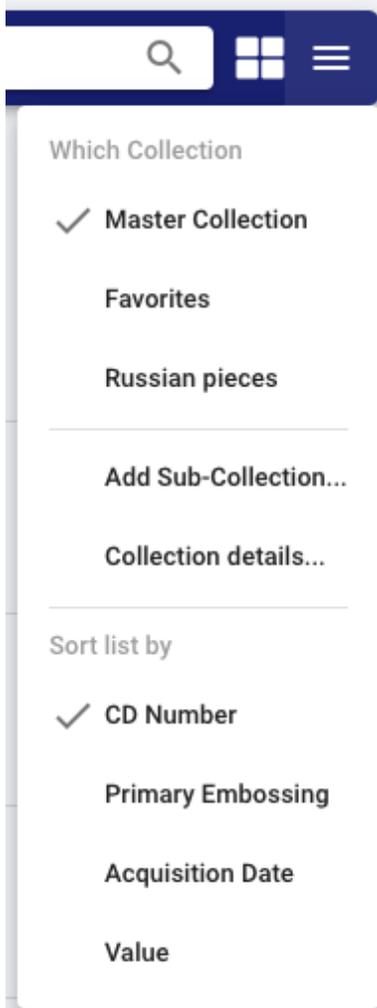
The view style button allows the user to switch between a *thinner* view of each item, with a smaller picture of the piece, or a *tile* view of each item, with a larger picture. In general, more *thinner* items can fit on a screen than *tiles*, but some people appreciate the larger size of the images with the tile view. Here is an example of the tile view:



Tile view screen on mobile

Tip: On the website version, if the user has a large enough screen, and makes their web browser wide enough, then there will be three tiles displayed across each row, versus two. On the mobile version, simply rotating the device to *landscape* will result in the same thing.

The *additional options* button is used to display the following menu:



Collections options menu on website

Selected options are *remembered* by the program so that the next time the user accesses the screen, the list will be presented in the same way it was the last time it was seen.

The “Which Collection” options are “toggle” options, meaning each option (“Master” and all sub-collections) can either be checked or unchecked. This means the user can select one or more sub-collections at a time. For instance, the user could select “French” and “Italian” sub-collections to view (assuming they already had those). The list would then display any piece that was in *either* of those sub-collections. They could then “un-check” the “French” sub-collection so that only pieces associated with the “Italian” sub-collection would display. If all sub-collections are “un-checked” then the “Master” collection is automatically checked and displayed. Likewise, manually selecting the “Master” collection results in all sub-collections being automatically “un-checked” and all pieces being displayed.

One set of options concerns *sorting*, which controls the “order” in which pieces are displayed. The first option, which is also the *default* sort option is “CD Number”, i.e., the numerical value of the Consolidated Design numbering system that most glass pieces use. This sort option would also apply to the U/M (uni-part, multi-part) Numbers on Porcelain pieces. When sorting by this option, smaller CD numbers will be at the top, and larger ones at the bottom. The second sort option is “Primary Embossing”, which, for pieces having a *primary embossing* will result in them being sorted “alphabetically”, meaning pieces whose embossings begin with “A” are at the top and embossings that begin with “Z” are at the bottom. If a piece does not have any primary embossing selected (as opposed to having a “No Embossing” value) then it will come *before* all others.

The third and fourth sort options are *variable*, meaning that they change both their names and meanings depending on which list is being viewed. When viewing the “Owned” list, the third sort option is “Acquisition Date” and the fourth is “Value”. When viewing the “Wanted” list, the third sorting option is “Priority” and the fourth is “Expected Cost”. When viewing the “For Sale” list, the third sorting option is “Listed Date” and the fourth is “List Price”. And when viewing the “Sold” list, the third sorting option is “Sold Date” and the fourth is “Sold Price”. When sorting by “date” type options, the list is initially sorted so that the *most recent* dates are at the top of the list and the oldest dates are at the bottom. When sorting by “money” type options, the list is initially sorted “ascending”, whereby the lowest numbers are at the top, and the highest at the bottom. When sorting by “want list priority” the pieces with the highest priority will be at the top of the list.

Tip: To *reverse* the current sort option, the user simply needs to re-click/tap that item in the options menu.

Each item in the Collection list contains several pieces of information which vary depending on which list is being viewed. Here is an example of a couple of items from the “Owned” list:

	<b>214 TELEGRAFOS NACIONALES</b> Red Amber 11/14/2012	USD 100
	<b>214 HEMINGRAY</b> 7-Up Green 05/21/2012	USD 65

Collection pieces in Owned list on website

At the far left is a photo of the piece. Most pieces will have at least one photo, but can have many more, or none at all. Next to the photo, on the top, is a combination of the CD (or U/M) number plus the primary embossing of the piece. Below the code and embossing is the *color* of the piece. The third line is variable depending on the list being viewed:

- When viewing the “Owned” list, the third line consists of both the *acquisition date* of the piece and the *value*. If the acquisition date was not specified, then the date that the piece was added to the

collection system would be shown instead. Likewise, if the valuation is not available, then the *price paid* would be shown instead. If neither are available then a value of zero would be shown.

- When viewing the “Wanted” list, the third line consists of both the *priority* of obtaining the piece and the *expected cost*.
- When viewing the “For Sale” list, the third line consists of both the “listed date”, i.e., the date on which the piece was marked as being for sale or for trade, and the *sale price* of the piece. For pieces listed for trade, then a value of zero would typically be shown.
- When viewing the “Sold” list, the third line consists of both the “sold date”, i.e., the date on which the piece was sold, traded or given away, as well as the *sold price*. Again, for pieces traded or given away, that value would typically be zero.

## Piece detail view

When a piece in the Collection list is clicked/tapped then another screen is displayed where the details of the piece are shown. Below is an example of a piece from the “Owned” list:

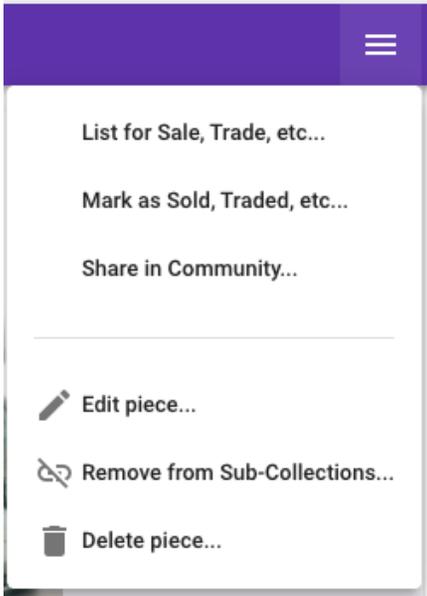
The screenshot shows a mobile application interface for 'Piece Details'. At the top is a purple header with the title 'Piece Details' and a menu icon. Below the header is a large image of a yellow amber glass piece, which is a threaded glass stopper. The image is flanked by left and right navigation arrows. Below the image is the text '1 of 2'. Underneath the image is a section titled 'GENERAL INFORMATION' containing the following details:

Type	Glass, Threaded
Manufacturer	Unknown (MEX)
CD / EIN	214 [010]
Primary Embossing	TELEGRAFOS NACIONALES
All Embossings	(F-Skirt) TELEGRAPHOS (R-Skirt) NACIONALES
Base Style	RDP
Color	Yellow Amber
Condition	VNM
Condition Notes	Pinky size chip on underside of top wire guide.
General Notes	
Current Status	Owned

At the bottom of the screen is a section titled 'ACQUISITION DETAILS' and a purple circular button with a white pencil icon.

Owned piece details on website

At the top of the screen is the *header* section, which merely consists of an *options menu* similar to others within the program. The mobile version of the screen also includes a “back” arrow which, when clicked switches the current view back to the Collection list screen. Below is an example of the options menu:



Options menu on Piece Detail screen on website

Depending on the “state” of the current piece (owned, wanted, listed, sold) the options in the upper section will change:

- Owned pieces will have options for List for Sale, Trade, etc..., Mark as Sold, Traded, etc..., Share in Community
- Wanted pieces will have a single option for Mark as Acquired
- Listed pieces will have a single option for Mark as Sold, Traded, etc..
- Sold pieces will have *no* options in the upper section.

The upper section options are used to change the *state* of the piece, i.e., from “owned” to “for sale”, or, to create Marketplace ads and Community topics. For example, an ad can be created to place an owned piece “for sale”, including a custom title and description of the piece. Or, by *sharing* the piece, a *topic* will be created in that member’s shared collection *forum*, also including a custom subject and description. In both cases all attached photos are accessible to anyone who views that item.

Note: When sharing a piece from a collection, *no* other information is automatically shared, i.e., no CD number, or color, or condition, or price paid, etc.. All that is *brought over*, i.e., “shared”, are the photos, plus the custom subject and description of the piece.

The lower section of the options menu includes choices for *editing* the piece (see below), *removing* the piece from sub-collections (see below), or *deleting* the piece (see below).

Note: the “Remove from Sub-Collections” option is *only* available when the currently viewed piece has already been associated with one or more sub-collections.

Below the header bar is all of the information which has been entered for the piece. There can be several dozen pieces of information displayed, depending on how much information was *entered* when the piece was added to the collection. The information is divided up into *sections*:

- A carousel of attached photos. Clicking on a photo will result in a new screen being opened up with a *full-size* version of that photo. Please see the detailed description of the “[zoom photo tool](#)” near the end of this document.
- General Information
- Acquisition Details
- Want List Details
- Listing Details
- Sale/Trade/Give-away Details
- Miscellaneous Information

Not all pieces will have information in all sections. For example, if an owned piece was never on the want list, then its details screen would not have a Want List Details, Listing Details or Sale/Trade/Give-away Details section. Likewise, if a piece in the For Sale list never had acquisition or want list details, then its details screen would not have a Want List Details, Acquisition Details or Sale/Trade/Give-away Details section.

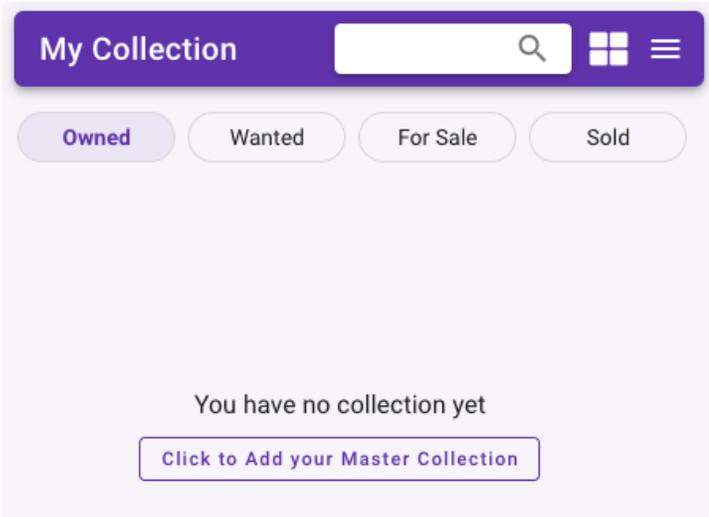
The individual *fields* of information will be described later on, in the “Adding a Piece” section. That said, it should be noted that the General Information section will vary depending on the “type” (material) of piece. For example (as seen above), glass pieces have CD and EIN fields plus a Base Type. Porcelain pieces have different fields, though many are common. Below is a partial example of a porcelain piece:

GENERAL INFORMATION	
Type	Porcelain, Threaded
Manufacturer	Unknown (DEU)
Number	U-1942C
Primary Embossing	C over V
All Embossings	
Process	
Radio Treated ?	Not selected yet
Marking Type	Incused
Firing Rest	Skirt
Color	White Milk

*Porcelain piece details on website*

## Creating the Master Collection and Adding Sub-Collections

When a user decides to use the Collection system, they must first create their Master Collection. Upon viewing the My Collections screen, the user would be shown a button in the middle of the screen with which they can create their Master Collection:



Initial My Collection screen with Add Master Collection button on website

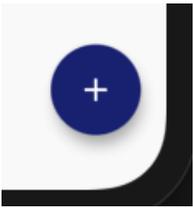
After creating the Master Collection, a user can either start to add pieces, or, they may create one or more Sub-Collections. To add a Sub-Collection, the user would click or tap the “Add Sub-Collection” action on the *additional actions/options* menu via the button at the top-right corner of the list screen. The following screen would then be displayed:

Add Sub-Collection screen on website

The only mandatory field for new Sub-Collections is the “Name”, however it may be useful to supply a “Description” of the sub-collection as well. Upon clicking/tapping the “Save” button, the new sub-collection will be created.

## Adding a Piece

Once a Master Collection has been created, the user can start adding pieces. Located in the lower-right corner of the *list* screen is a circular ‘Add’ button:



Add Piece button

Clicking/tapping that button will result in the “Add New Piece” screen being displayed. The appearance differs only slightly between the website version and the mobile. Near the top of both are a pair of buttons for switching between the “Details” of the piece, and the attached “Photos” of the piece. This is very similar to other screens that have been discussed in this document. For more information on the Photos panel, please see the bottom of this document in the section [“Working with Attached Photos”](#).

The “details” panel is where most of the information about a piece will be entered or selected. There are several dozen *fields*, some of which are only visible when the piece is in a certain *state*, e.g., the “Listing Details” fields are only shown *if* the piece is going to be listed for sale/trade. Additionally, some fields are only available for certain *materials*, and are *hidden* otherwise, e.g., the “EIN” field is only available for glass pieces. Almost all fields are *optional* with the exception of *material* and *category*, which are *mandatory*. For more information on the types of fields used on this screen (and others throughout the program), please see the bottom of this document in the section [“Different Kinds of Fields found in NIA Companion”](#). Below is an example of the “Add Piece” screen:

Add Piece screen on website

The “details” are divided up into *sections*, some of which are *collapsed* until needed. They are:

- Collection Inclusions
- General Information

- Want List details
- Acquisition details
- Listing details
- Divestiture details

The Collection Inclusions section is where a piece is associated with a sub-collection. As can be seen above, individual *toggle* buttons are provided for each sub-collection that has been added. There is also a button for the Master collection, however that button is always *checked* and *disabled*, meaning that the user cannot *disassociate* a piece from the Master collection. The other buttons can be *toggled*, such that when they are *checked*, the piece will be associated with that sub-collection, and when they are not checked, they are not associated with that sub-collection.

Note: A piece can be associated with multiple (or even *all*) sub-collections, however it does *not* have to be associated with any sub-collection in order to still show up in the My Collection list screen.

The General Information section contains information about the piece regardless of what *state* that piece is in. The field are *variable* based on the type of material selected. The following is the list of fields for this section:

- Material – this is a mandatory pick-list field and should be selected *before* filling in other fields.
- Category – this is a mandatory pick-list field and should be selected *before* filling in other fields.
- Manufacturer – this is a text field where you can enter whatever value you'd like.
- Country of Origin – this is an optional pick list field. Note that the list will be very long and scrolling may be necessary to find the desired country.
- CD/Part/LR Number – this is a *search to select* field, available *only* for glass pieces. If the desired value is found within the list, it can be selected. If not, the value can be added to the list. If that value ever needs to be picked again in the future for some other piece, it will be in the list.
- Primary Embossing – this is a text field that is available for all material types.
- All Embossings – this is a text field that is available for all material types.
- EIN/Index – this is a *constrained* text field that is available *only* for glass pieces. For Lightning Rod Insulators, the field will only allow numbers, of any value, while others can have three numbers. If one or two numbers are entered, they will be prefixed with zeros.
- Parts Type – this is a pick list field available *only* for porcelain pieces.
- ID Number – this is a text field that is available for *all* material types *except* glass (which uses CD number).
- Marking Type – this is a pick list field available *only* for porcelain pieces.
- Firing Rest – this is a pick list field available *only* for porcelain pieces.
- Process – this is a pick list field available *only* for porcelain pieces.
- Radio Treated – this is a pick list field available *only* for porcelain pieces.
- Base Type – this is a pick list field available *only* for glass pieces.
- Drip Points – this is a text field available *only* for glass pieces that have appropriate base types.
- Color – this is a *search to select* field, available for all pieces. If the desired value is found within the list, it can be selected. If not, the value can be added to the list. If that value ever needs to be picked again in the future for some other piece, it will be in the list.
- Condition – this is a pick list field available for all pieces.
- Condition Notes – this is a type-able text field available for all pieces. This field can hold 2,500 characters of text if necessary.
- Height – this is a numerical text field available for all pieces.
- Width – this is a numerical text field available for all pieces.

- Weight – this is a pair (pounds + ounces) of numerical text fields available for all pieces.
- General Notes – this is a type-able text field available for all pieces. This field can hold 2,500 characters of text if necessary. It can be used for holding information when there are no defined fields to do so.
- Current Status – this is a pick list field available for all pieces. This field determines which list on the initial Collections screen the piece will be displayed within. Depending on which list was being displayed with the “Add” button was used, this field will be pre-selected, i.e., if the current list was “Owned” then this field would be pre-selected to “Owned” as well. The user is free to change the value of this field, in which case the piece *may not be visible* after saving it. In other words, if the user was viewing the “Owned” list, and they add a piece, but change its status to “Wanted”, then the user would have to switch to the “Wanted” list after saving in order to see it.
- Value – this is a *constrained* text field that is available for all pieces. This field only allows numbers, with no punctuation, i.e., no commas or currency symbols. The value represents U.S. dollars in an effort to simplify currency rates or conversions.
- Valuation Date – this is a date field available for all pieces.

The Want List, Acquisition, Listing and Divestiture details sections all *initially* display a single pick list field that is *pre-selected* to *not displaying* the additional fields within that section.

The Want List section is used when describing a piece that is not owned yet, but is *wanted*. It contains the following fields:

- Priority – a pick list field. If “not on list” is selected, the other fields will not be displayed.
- Anticipated Cost – this is a constrained text field that only allows numbers, with no punctuation, i.e., no commas or currency symbols. The value represents U.S. dollars in an effort to simplify currency rates or conversions.
- Include ad in Marketplace – this is a *switch button* (on or off) that determines if the user would like an ad to be created and displayed in the Marketplace. When this is *on* the following fields are available:
- Subject of Want Ad – this is a text field which becomes the ad’s *title* when seen in the Marketplace.
- Body of Want Ad – this is a text field which becomes the ad’s description when seen in the Marketplace.

The Acquisition Details section is used when describing a piece that is owned. It contains the following fields:

- Acquisition Type – a pick list field. If “not acquired” is selected, the other fields will not be displayed.
- Acquisition Date – a date field. If the exact date (day of month, or even month) cannot be remembered, it is best to select the first day of the month, and whichever month comes closest to being remembered.
- Cost – this is a *constrained* text field that is available *only* for pieces that have been *purchased*. This field only allows numbers, with no punctuation, i.e., no commas or currency symbols. The value represents U.S. dollars in an effort to simplify currency rates or conversions.
- From Whom – this is a type-able text field that would hold the full name of the person from whom the piece was acquired. This is *not* available if the piece was *found*.
- Which Show – this is a type-able text field that would hold the name of the *show* at which the piece was acquired. This is *not* available if the piece was *found*.
- Location – this is a type-able text field that would hold the “location” from which the piece was acquired. This might hold a value of “eBay”, or “Springfield” or “online auction” or whatever makes most sense.

- Provenance – this is a type-able text field that would hold the *ownership history* of the piece, to the best that can be provided.
- Share Piece in Community – this is a *switch button* (on or off) that determines if the user would like a *topic* to be created and posted to the Community. When this is *on*, it results in a *shared piece* that *only* displays the following two fields plus any attached photos:
- Title of Shared Piece’s Topic – this is a text field which becomes the topic’s *title* when seen in the Community.
- Description of Shared Piece – this is a text field which becomes the topic’s initial *post message*, or description, when seen in the Community.

The Listing Details section is used when describing a piece that is being listed for sale or trade. It contains the following fields:

- Listing Type – a pick list field. If “not listed” is selected, the other fields will not be displayed.
- Listing Date – a date field that represents when the piece was (or will be) listed.
- Price – this is a *constrained* text field that is available *only* for pieces that have been listed *for sale*. This field only allows numbers, with no punctuation, i.e., no commas or currency symbols. The value represents U.S. dollars in an effort to simplify currency rates or conversions.
- Stock Number – this is a type-able text field that can be used by members who assign a stock, or inventory, number to each piece they have for sale.
- eBay Item Number – this is a type-able text field that is used to store the eBay “item number” when the piece is being offered on eBay.
- Include listing in Marketplace – this is a *switch button* (on or off) that determines if the user would like a listing ad to be created and displayed in the Marketplace. When this is *on* the following fields are available:
- Subject of Marketplace Ad – this is a text field which becomes the ad’s *title* when seen in the Marketplace.
- Body of Marketplace Ad – this is a text field which becomes the ad’s description when seen in the Marketplace.

The Divestiture Details section is used when describing a piece that used to be owned, but has been parted with. It contains the following fields:

- Divestiture Type – a pick list field. If “not divested” is selected, the other fields will not be displayed.
- Divestiture Date – a date field that represents when the piece was parted with.
- Price – this is a *constrained* text field that is available *only* for pieces that have been *sold*. This field only allows numbers, with no punctuation, i.e., no commas or currency symbols. The value represents U.S. dollars in an effort to simplify currency rates or conversions.
- Sold/Traded/Given to Who – this is a type-able text field that would hold the name of the person to whom the piece was divested. This field is *not* available for pieces which have been *lost*.
- Physical Address – this is a type-able text field that is used to store the full address of the person to whom the piece was divested. This field is *not* available for pieces which have been *lost*.
- Email Address – this is a type-able text field that is used to store the email address of the person to whom the piece was divested. This field is *not* available for pieces which have been *lost*.
- Phone Number – this is a type-able text field that is used to store the phone number of the person to whom the piece was divested. This field is *not* available for pieces which have been *lost*.

- Divestiture Status – this is a pick field that is used to store the *transaction status* of the piece, e.g., “pending payment”, “shipped”, “received”, etc.. This field is *not* available for pieces which have been *lost*.
- Satisfaction – this is a pick list field that is used to store the *satisfaction level* of the person to whom the piece was divested, e.g., “they love it”, “they hate it”.

Once all the desired fields are filled in, and the desired photos are attached, the user would click/tap the “Save” button. If there were any photos attached, they will be *uploaded* first, followed by the general information. Assuming a successful “save” occurred the current screen would close and the user would be re-shown the Collection list screen.

## Editing a Piece

The screen used for adding a new piece is also used for *editing* an existing piece. There are several ways to begin the editing process. As shown above in the “Owned piece details” screen-grab, there is both a circular “edit” button in the lower-right corner of the screen, as well as an “Edit Piece” option in the *actions* menu located in the upper-right corner of the screen. Clicking/tapping either will result in the *details* screen being shown with the current ad’s values being displayed and ready for editing. Additionally, on the website version the user can *double-click* on a piece within the My Collection *list* screen. Doing so will not only *load* the selected piece into the “piece details” screen, but will also result in the “Edit Piece” screen being *popped-up* with the selected piece’s details pre-loaded. Finally, on the mobile version only, the user can *swipe to the right* on a piece within the My Collection *list* screen. Doing so *reveals* an *edit icon* and once the *swipe* has covered at least *half* of the width of the screen, the user can release their finger at which point the “Edit Piece” screen will be displayed:



*Swipe right to edit piece on mobile*

## Deleting and Removing Pieces

Occasionally there may times when a piece needs to be *deleted* from a user’s collection. In NIA Companion there are really two *cases* concerning deletion. In the first case the user may want to completely erase the existence of a piece from their collection. In this case the piece will be *deleted* from the *master* collection, and therefore, from any sub-collections it may have been associated with as well. Once done, there is *no way* to un-do, re-instate or bring back the piece without re-adding it from scratch. In the second case the user may instead want to *remove* a piece’s *association* with one or more (or all) sub-collections, yet still keep the piece in their master collection. In this case the only thing that is *erased* is the “link” between the piece and its associated sub-collections. The piece still remains in the master collection and may continue to be viewed in the *list* screen.

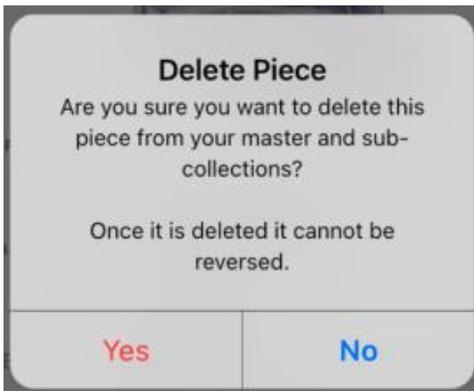
There are two ways to initiate the *delete piece* process. As shown above in the “Piece Details” screen, the *actions* menu in the upper-right corner of the screen contains a “Delete Piece” option. On the mobile version only, the user can *swipe to the left* on a piece within the My Collection *list* screen. Doing so *reveals* a *delete*

*icon* and once the *swipe* has covered at least *half* of the width of the screen, the user can release their finger at which point the deletion process will begin:

	175 HEMINGRAY Aqua 2/6/2012	USD 30
	122 HEMINGRAY 7-Up Green 7/20/2012	USD 30 
	154 WHITALL TATUM Light Purple 6/6/2011	USD 30

*Swipe left to delete/remove piece on mobile*

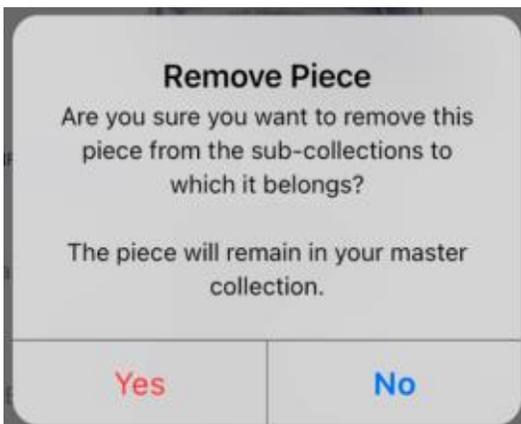
The deletion process begins with a warning shown to the user as shown below:



*Delete piece warning on mobile*

If the user selects yes, the program will delete the piece from the collection as well as the My Collection *list* screen. On the mobile app the “details” screen would be closed (if was open) and the user would be returned to the list screen.

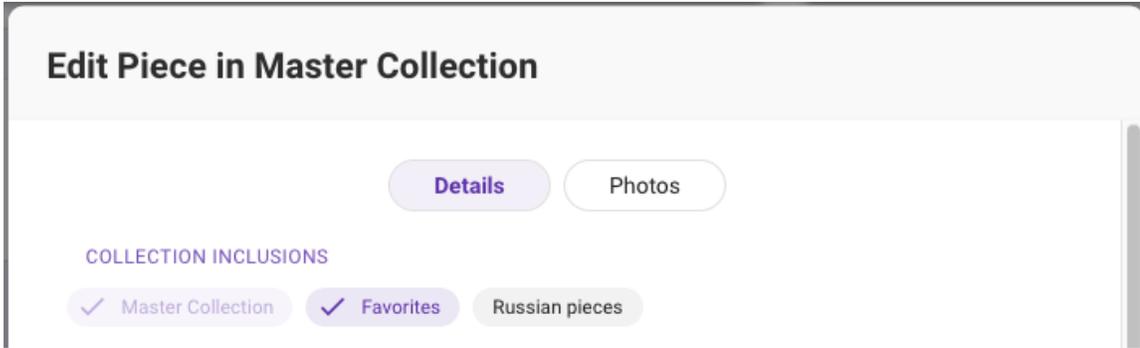
There are two ways to remove a piece from one or more sub-collections. The first way is similar to deleting a piece: the “Piece Details” screen’s *actions* menu in the upper-right corner of the screen contains a “Remove from Sub-Collections” option. When this option is selected the user will be warned as follows:



*Remove piece from sub-collections warning on mobile*

If the user selects yes, the program will remove the piece from *all* sub-collections it was associated with. If, however, the user wants to retain one or more sub-collection associations, and only remove *some* associations, then they would instead need to use the “Edit Piece” screen. As shown below, the Edit screen

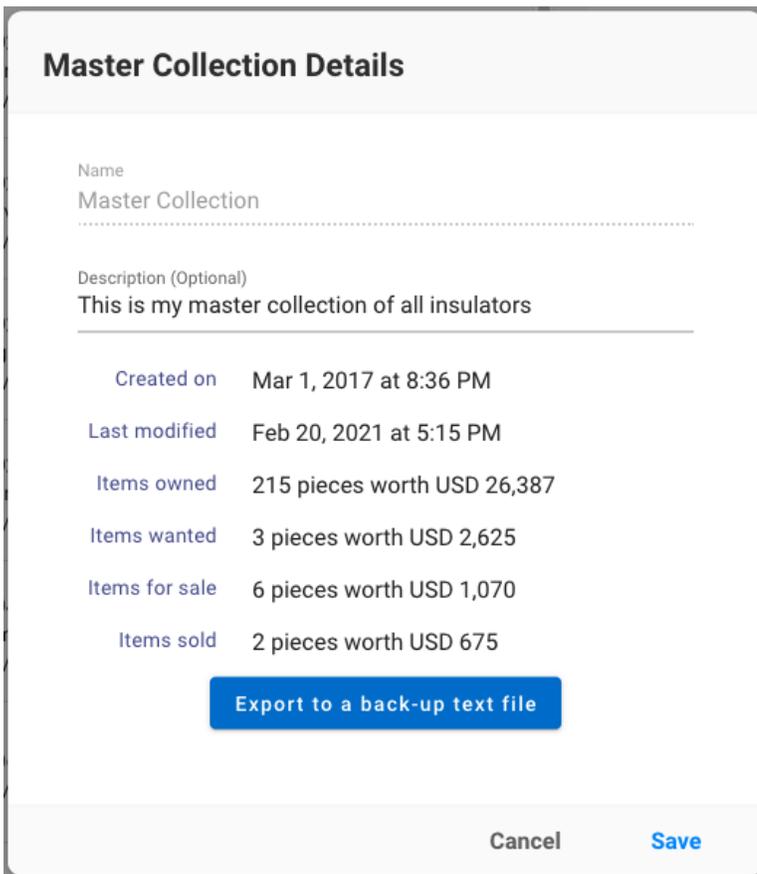
includes a set of *toggle* buttons at the top, one for each sub-collection. The user can “check” or “un-check” whichever sub-collections they want the piece to be associated with, or not:



*Edit piece screen with sub-collection associations on website*

## Collection Details screen

The “Collection Details” screen is used to view several basic statistics about the current collection(s), to set the name and description, and to *export* the current collection to a disk file. To access the “Collection Details” screen the user would click/tap the “Collection Details” option on the *actions* menu in the upper-right corner of the My Collections *list* screen. There may be one single current collection (or sub-collection) or multiple sub-collections. Depending on which is the case, as well as which platform is being used, the “Collection Details” screen look and feel may vary. Below is an example of the details screen for the Master collection:



*Collection Details screen on website*

At the top of the screen is the *name* of the collection. If the current collection is the Master Collection, then the name field *cannot* be changed, i.e., every member's master collection is named the same thing. If a single sub-collection is being viewed then the field can be typed into and can hold up to 60 characters. If multiple sub-collections are being viewed then their existing names will be displayed but cannot be modified at that time. Below the "name" field is the "Description". If two or more sub-collections are being viewed then the field *cannot* be changed. Otherwise the "Description" can be used to properly describe the nature of the collection and can hold 250 characters.

In the middle of the screen are several attributes and statistics about the selected collection(s). If a single collection/sub-collection is selected, then that collection's "created" and "last modified" dates and times are displayed. Below them are *counts* and *totals* for the four *states* of the pieces within the selected collection(s).

At the bottom of the screen is a button that is used for *exporting* all of the pieces in the current collection/sub-collection to a disk file. This is available *only* on the website version and *only* when a single collection/sub-collection is selected. The program will prompt the user to provide a name for the text file, as well as a location on their computer's file system they would like the file placed. Once exported, a program such as Microsoft Excel, Macintosh Numbers, or Google Sheets can open that file in a *spreadsheet* view.

### Group-selection options screen – Website only

Most of the time a single piece within the overall collection list is *selected* and thus displayed on the details screen. However, there are several actions that may be performed on *multiple* pieces at a time, also known as a *group selection*. On the website version only, a *group selection* is created by using the *shift* and/or *ctrl/command* (⌘) (Windows/Mac) keys and the mouse. Depending on which keys are used, the user might establish a *contiguous* selection, where all the selected pieces are "touching" each other, or a *discontiguous* selection, where there are "unselected" pieces in-between the selected pieces. A contiguous selection is typically formed by clicking an initial piece, and then holding down one of the shift keys before clicking on some other piece. At that point the first piece, the last piece and all those in-between would become *selected*. A discontiguous select is formed by clicking an initial piece and then holding down either the Ctrl key on Window or the Command (⌘) on Macintosh before clicking some other piece. At that point the first piece and the last piece would become selected. Holding down the Ctrl/Command key again and clicking would result in that third piece becoming selected. Below is an example of a combination contiguous *and* discontiguous selection, plus the possible actions that can be taken on them:

### My Collection

Owned
Wanted
For Sale
Sold

	<b>214 TELEGRAFOS NACIONALES</b> Yellow Amber 10/10/2013	USD 400
	<b>214 TELEGRAFOS NACIONALES</b> Red Amber 11/14/2012	USD 100
	<b>214 HEMINGRAY</b> 7-Up Green 05/21/2012	USD 65
	<b>214 TELEGRAFOS NACIONALES</b> Orange Amber 05/21/2012	USD 100

### Multiple-Piece Selection Options

You have selected 3 pieces from your collection. Below are the actions you can perform with them.

- [Associate Pieces with Sub-Collection\(s\)](#)
- [Change Sub-Collection\(s\) Associations](#)
- [Share Pieces in Community](#)
- [Run Slide Show](#)

*Multiple piece group selection on website*

Once a group of pieces is established, the right side of the screen displays the number of pieces in the selection, as well as the list of actions that can be performed on the selection. They are:

Associate Pieces with Sub-Collections – this allows many pieces to be associated to one or more sub-collections in one quick/easy action. This is as opposed to *editing* each piece, one at a time. For example, if a collector already had their collection pieces added, and then decided to create a new sub-collection, instead of having to go into each piece they wanted to associate with the new sub-collection, they could simply *select* them all in the list, and then use this tool to perform the association in one step. This action has a single option, that is, the list of sub-collections with which to become associated. Note that if one or more of the pieces were *already* associated with the checked options, no action would be performed. Additionally, if one or more of the selected pieces had associations to *other* (non-checked) sub-collections, those associations would remain in place. Here is what this action and its options might look like:

Associate Pieces with Sub-Collection(s)

Change Sub-Collection(s) Associations

Share Pieces in Community

Run Slide Show

---

Associate the selected pieces with which sub-collection(s):

Favorites

Russian pieces

Associate Pieces

*Associate Pieces with Sub-Collection(s) options*

Change Sub-Collection(s) Associations – this is similar to the above, however this allows the user to *disassociate* multiple pieces from one (or more) sub-collections and to re-associate them to some other sub-collection(s). This action has two options, that is, a list of sub-collections from which to become disassociated, and a list of sub-collections with which to become associated. Note that if one or more of the pieces were not yet associated with the checked top options, they would still become associated with the checked bottom options. Additionally, if one or more of the selected pieces had associations to *other* (non-checked) sub-collections, those associations would remain in place. Here is what this action and its options might look like:

Associate Pieces with Sub-Collection(s)

Change Sub-Collection(s) Associations

Share Pieces in Community

Run Slide Show

---

Remove the selected pieces from which sub-collection(s):

Favorites

Russian pieces

And then associate them with which sub-collection(s):  
(optional - pieces always remain in Master collection)

Favorites

Russian pieces

Change Associations

*Change Sub-Collection(s) Associations options*

Share Pieces in Community – this action is used to quickly and easily share multiple pieces from a member’s collection with the Community. If the user has never shared a piece before, a new *forum* (see above in

Community section for explanation) is created for that user. For each piece being shared, a new *topic* would be created within the user's forum. The topic would get a *title* that is *auto-assembled* by one or more *fields* of information about the piece. As shown below, there can be up to five fields of information provided within the title. The user can *toggle* which fields are to included and can view an example title below the toggle buttons. The *description* of each shared piece will be the *same*, as typed in on this panel. While this might be considered inadequate, the alternative would be to somehow allow each piece in the selection (could be hundreds) to have their own unique description. Doing so would forfeit the benefits of this *group selection* action, and would be akin to manually *editing* each piece whereby a unique description could be entered and saved, one at a time. Finally, there is an option to handle situations where one or more pieces in the *group selection* may already be shared, possibly with a more unique title and description. The *default* is to skip pieces in that situation, but it is ultimately up to the user. Here is what this action and its options looks like:

Associate Pieces with Sub-Collection(s)

Change Sub-Collection(s) Associations

Share Pieces in Community

Run Slide Show

---

Select common title parts and enter a common description for all the pieces you want to share.  
(Note: some of the title parts may not apply to all pieces)

Category  CD / U / M Number  EIN  Primary Embossing  Color

Example: **CD 162 Hemingray in Cobalt Blue**

Common Description for all Shared Pieces  
One of my favorite pieces - enjoy!

(mandatory - e.g., 'This is one of my favorite pieces')

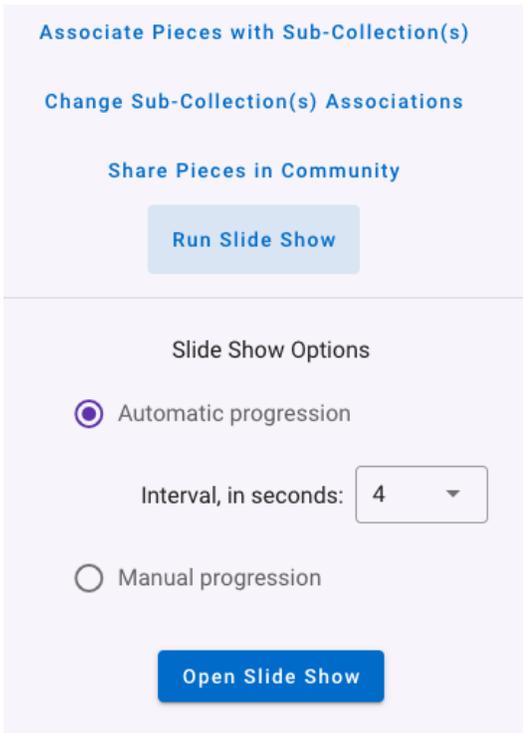
What if a piece is already shared?

Skip it  Over-write its title and description

Share Pieces

*Share Pieces in Community options*

Run Slide Show – this is used to view *all* of the photos of all of the pieces in the group selection. Each photo would be displayed in a *full screen* size, i.e., it would be shown in a scale whereby it filled the entire screen (bigger than just the browser). Typically slide-shows run automatically, whereby each photo is displayed for a given amount of time, before the program advances to the next photo. In this case the user can dismiss the slide-show by using the Esc (escape) key on their keyboard. In a manual advancement the user has more control over how long they remain viewing each photo, as well as having zoom-in and zoom-out control for each piece.



Run Slide Show options

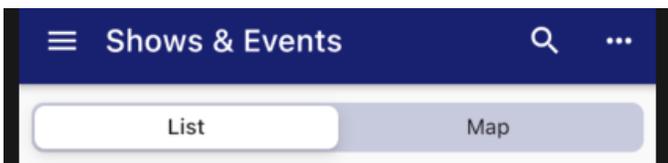
## Shows & Events

### Overview

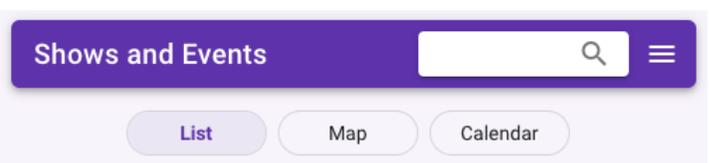
Shows & Events is, as the name implies, an area where users can view past, present and future insulator shows and events. Registered members may also create shows or events if they wish. Along with the details for each show or event, members can also see how many other members plan on attending, as well as indicating to the program that they too are planning on attending.

### Multiple Views

Shows & Events are presented to the user as either a list, a map or a calendar (website version only). All three views include the same information, albeit in a different visual format. Above the three views is the *heading area* for the screen, and it includes buttons and tools used for searching, and additional functions.



Shows & Events start screen header on mobile



Shows & Events start screen header on web-site

On the mobile version, the *hamburger menu* is on the far left (used to display the Navigation panel), followed by the “Search” button and the *additional options* button. On the web-site version there is no *hamburger menu* on the left, since the Navigation panel is always visible.

### Searching

When searching Shows & Events, as soon as the user types in 3 or more characters in the text field, the program will search the database, as limited by the existing *time-frame option*, for your search term. Please see the detailed description of the “[searching for items](#)” tool near the end of this document. The program will scan the following *fields* for a match:

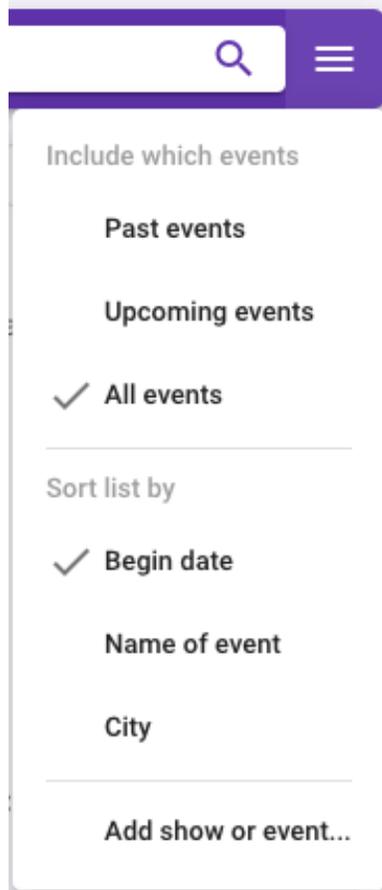
- Name of the show
- Details for the show
- Street Address, City, State, Zip Code and Country of the Show
- Primary Host’s Name and Email Address
- Secondary Host’s Name and Email Address

If there are any matches, results will be displayed in all three views.

Note: As mentioned above, searching is limited to the currently selected *time-frame* (an option that the user can change). What this means is that the *time-frame* is “Upcoming” then any shows which were scheduled to take place *in the past* will *not* be found. If there is a need to search for *anything*, then the *time-frame* should be set to “All Events” (see below for explanation).

### Additional items (on far-right menu)

When tapped/clicked, the *additional items* button will display a *menu* of options:



Shows & Events addl. Options menu on web

The upper part of the menu allows the user to choose the *time-frame* for the events the program should show them. Selecting “All events” will result in [many] more items in the list, and thus the more scrolling needed to “get to the bottom.” Remember that all of the previous events are stored in a database, and so if the user ever want to *search* for something in specific, they can do so without worrying about the age of the item – it will be found and display so that they can view it in its entirety.

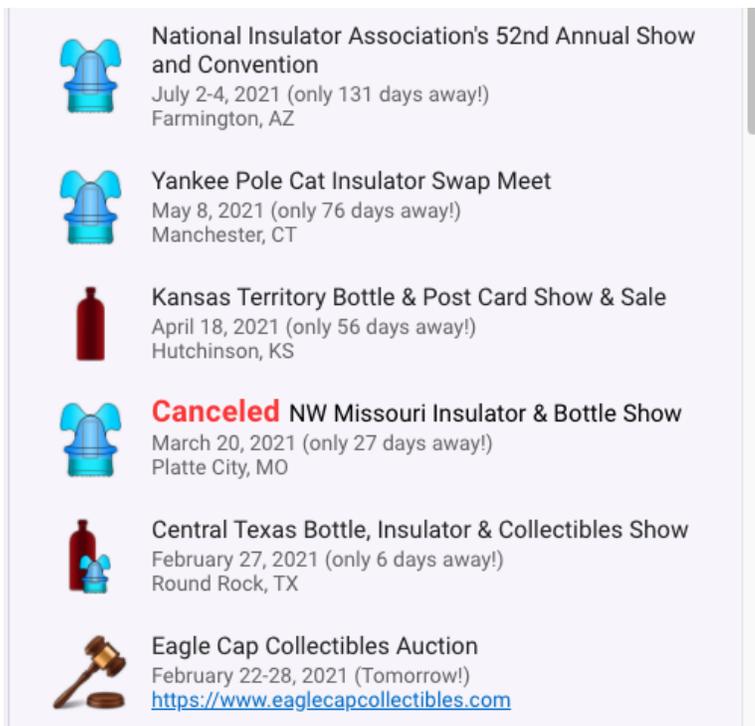
The bottom section concerns *sorting*, which controls the “order” in which items are displayed. The *default* sort option is “Begin date”, i.e., the first date for each show or event. For dates, the list is initially sorted so that the *most recent* dates are at the top of the list and the oldest dates are at the bottom. When sorting by the *name* of the event, or the *city* in which it is being held, the list is sorted “alphabetically”, meaning items that begin with “A” are at the top and items that begin with “Z” are at the bottom.

Tip: To *reverse* the current sort option, the user simply needs to re-click/tap that item in the options menu.

The bottom item in the menu is used for creating a new show or event (see below).

## List view

The list view for Shows & Events is very similar to that of other areas: There are several pieces of information presented in a list which can be sorted in one of several ways. Here is an example of a few items:



Shows & Events list on website

At the far left is an icon representing the *type* of show or event. There are four types: Insulators, Bottles, Insulators + Bottles, and On-line Auction. Next to the icon, on the top, is the *name* of the event. The name of the event will be cut off (in the list screen only) to two lines. Below the name of the event is the *date range* of the event, as well as how many days away from *today* that is. Below the data range is the *city* and *state* in which the event is taking place.

## Map view

The map view displays all of the shows and events in a graphical manner, by plotting each event as a *pin* on a map. Each *pin* on the map is an appropriate icon specifying the *type* of event. *Hovering* over a *pin* (website only) results in the name of the event being displayed. Below is an example of upcoming events:



*Shows & Events map on website*

## Calendar view

On the website version, an additional view style is available whereby each show or event is displayed on a calendar.

## Show & Event detail view

When an item in the Shows & Events list is clicked/tapped then another screen is displayed where the details of the item are shown. In the header bar at the top of the screen will be a “go back” arrow button on the left side (mobile version only) and *possibly* an *actions* button on the far-right side, depending on the particular show and the current user. If the show or event has a *show report* document attached to it, or, if the current user is the member who created the entry, then the icon button will be present. The menu may have options for viewing the *show report*, and if the user is the creator of the item, then additional options for *editing* the item, *cloning* the item, or even *deleting* the item (see further on for details). The mobile version will also include “up/down” arrow buttons used for viewing the *previous* or *next* show or event from the *list* screen. Below is an example of an upcoming show:

What **National Insulator Association's 52nd Annual Show and Convention**

When July 2-4, 2021 (Friday - Sunday)  
Not available yet.

Where 41 CR 5568  
Farmington, AZ 87401

Details There will be plenty of dealer space and exhibit space plus a multitude of thing to do in the area. Complete show information will be available in 2020 at the Logan, Utah National and subsequently online.

Host Tommy Bolack  
505-325-4275

and [Lou Hall](#)  
559-284-4211

Website <http://www.nia2021.com>

Flyer 

R.S.V.P.  I plan on going. (2 others so far)

Map



[View and Discuss in Community Forum](#)

Show or Event detail screen on website

Most of the details are obvious however there are a few particulars that need to be explained. A show or event can have either one or two *hosts*. Each host *may* have an email address and/or phone number. If they have an email address, their *name* would be displayed as a clickable/tap-able link, which, if used, would bring up the user's email program. If they have a phone number, then on mobile devices the phone number would be displayed as a tap-able link, which, if used, would bring up the user's phone app.

Below the hosts *may* be a *show flyer* document icon. Clicking/tapping that would result in the show flyer being opened at full size.

There is a R.S.V.P. *checkbox* or *toggle* option that allows a member to indicate that they “plan on going” to the show/event. This can be turned on or off as needed. Next to (or under, on mobile) the option button is an indicator as to how many members, possibly including yourself, are planning on going. On the website version the indicator can be clicked on and will result in the display of all of the members who plan on attending.

Below the R.S.V.P. section is a map with the show/event indicated by an icon representing the *type* of show/event (insulators, bottles or both). The map can be zoomed in or out by using the “plus/minus” buttons on the website version, or *pinching in or out* on the mobile version. Additionally, on the website version, by clicking the show/event icon another browser window will be opened displaying Google Maps, and the “directions to” tool, including the show’s location as the destination. On the mobile version, tapping the show/event icon will result in two additional icons being shown on the screen. See below for example:



Show/Event map with additional tools on mobile

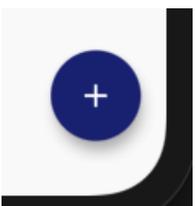
The left-hand icon (blue diamond with arrow), when clicked, will open the Google Maps app on the phone, pre-set to the “directions to” tool with the user’s current location as *starting point* and the show’s location as the destination. The right-hand icon (Google Maps) will also open Google Maps with the show’s location shown with an icon.

Below the map section is a button titled “View and Discuss in Community Forum”. All shows/events get a *forum* within the Community area dedicated to that particular show or event. This is a convenient way for show attendees to discuss the show *before, during* and *after* the show or event has taken place.

Clicking/tapping the button will take the user to the Community area of the program and will *pre-select* the appropriate forum. All existing *topics* will be displayed allowing the current user to either view and respond to them, or to create their own new topic.

## Adding a Show or Event

Any member may create a show or event. Located in the lower-right corner of the *list* screen is a circular ‘Add’ button:



Add Show/Event button

Clicking/tapping that results in the “Add New Show or Event” screen being displayed. There are nearly two dozen *fields* available on this screen, however roughly half of them are *mandatory* while the rest are optional. For more information on the types of fields used on this screen (and others throughout the program), please see the bottom of this document in the section “Different Kinds of Fields found in NIA Companion”. Below is an example of the “Add New Show or Event” screen, with all of the mandatory fields visible:

**Add New Show or Event**

These first few fields (name, location, start date) are all mandatory

Show or Event Type  
Insulators primarily show ▼

Status  
Active ▼

Show Or Event Name

Country  
United States ▼

Address \_\_\_\_\_ City \_\_\_\_\_

State  
Select a State ▼

Postal Code \_\_\_\_\_

Start Date  \_\_\_\_\_  
MM/DD/YYYY, e.g., 11/5/2020

End Date  \_\_\_\_\_  
MM/DD/YYYY (leave blank if same as start date)

Hours  
\_\_\_\_\_  
(hours, e.g., 9:00 AM to 5:00 PM)

The rest of these fields are optional but recommended

Close Save

Add Show/Event screen on website

The list of fields on this screen are as follows:

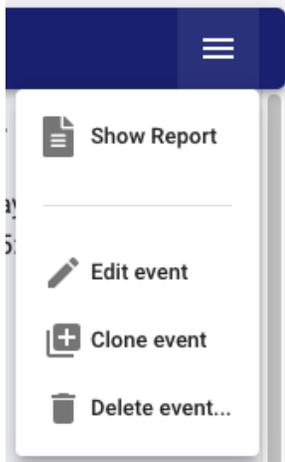
- Show or Event Type – this is a mandatory pick-list field
- Status – this is a mandatory pick-list field. When a show/event has a status of “draft” it will *not* be displayed in the *list* screen to anyone other than the member who created the entry. Members can use this status when they are either not finished with all of the details, or they simply are not ready to publicize the show/event.

- Show or Event Name – this is a mandatory text field that ideally holds the *name* of the show, without being too long or going into too much detail.
- Country – this is a mandatory pick-list field.
- Address – this is a mandatory text field. There is only a single ‘street address’ field at this time and so this field should *only* hold actual address information. Other details, such as “Building 3” or “Upstairs”, etc., should be handled in the “details” field (see below).
- City – this is a mandatory text field.
- State – this is a mandatory pick-list field.
- Postal Code – this is a mandatory text field.
- Start Date – this is a mandatory date field. If the exact date (day of month, or even month) is not known then pick any date as a placeholder (and the status should probably be set to *draft*).
- End Date – this is an optional date field. The only time there should be an end date entered is when it is *different* than the begin date, meaning, when a show/event take place over two or more days.
- Hours – this is a mandatory text field and is meant to hold a variety of values, though the point of the field is to provide specific time information. Some shows take place over several days, with each day having different opening and closing times. The advice would be for this field to hold the times that would be important for typical attendees. Additional times, such as *set-up* or *take-down/clean-up*, should be entered in the “details” field (see below).
- Primary Host Name – this is an optional *search to select* field. The user can type several characters to search the NIA Companion membership, and can then select the appropriate person. That person can be themselves, or, some other member. If the desired person is not yet a NIA Companion member, the user can continue to type in the rest of the person’s name. The benefits to selecting a NIA Companion member is that the member’s email and phone number will be auto-copied into the following fields when selected (versus manual entry otherwise). Additionally, any NIA Companion members selected as either primary *or* secondary host are able to *edit* the show or event if and when necessary.
- Primary Host Email – this is an optional text field.
- Primary Host Phone – this is an optional text field.
- Secondary Host Name – this is an optional *search to select* field, similar to the “Primary Host Name”. In general there should *not* be a secondary host unless there is also a primary host.
- Secondary Host Email – this is an optional text field.
- Secondary Host Phone – this is an optional text field.
- Website URL – this is an optional text field. If provided, the appropriate prefix, i.e., either “HTTP://” or “HTTPS://” must be present.
- Description – this is an optional text field. This field can and should hold any information not easily entered in the other fields. This can hold several thousand characters and so should be long enough for all sorts of information, such as breakfast, lunch or dinner details, location specifics or dealer-specific information.

There are also two buttons available *only* on the website version for *attaching* both a *show flyer* and a *show report*. Both of these files are typically PDFs.

## Other actions

There are several actions which may be available to the current user (as mentioned above) when viewing the *details* screen. Using the *actions* icon button in the upper-right corner of the screen would display the following menu:



Actions menu for Show/Event details on website

The “Show Report” icon will only be present if the show/event actually has an attached document. Once clicked/tapped it would download and open the document, typically a PDF file.

The next three options are only available to at most, three different members: The member who *created* the show, the *primary host* (assuming they were *picked* from existing NIA Companion members) and the *secondary host* (also assuming they were *picked*). Any of these members may *edit* the existing show/event by selecting the “Edit event” menu option. The same screen used for creating the show/event would be displayed with the details of the current show/event being loaded into the fields.

The “Clone event” action allows an existing show/event to be *duplicated*, i.e., *cloned*. This is very useful when there is a show or event that occurs annually. To use this feature the member would first *select* the show/event they wanted to clone. Upon clicking/tapping the “Clone event” action menu, the program will open a *new* show/event screen and then copy in all of the values from the currently selected show/event. The creator of the show would merely need to type in the new date(s), and *save*, thus saving time and effort.

The “Delete event” action allows the appropriate member(s) to fully erase the show/event from the system. The member will be prompted to ensure they really want to erase the show/event. Once this is done there is no way to un-do it or recover the erased information.

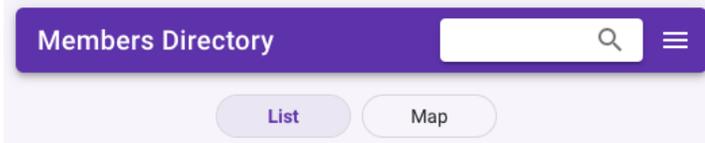
## Membership Directory

### Overview

The Members Directory is, as the name implies, an area where users can view all registered members of the NIA Companion program. Note however, that members who have elected to remain *fully private* will *not* show up in the directory.

### Multiple Views

The Members Directory is presented to the user as either a list or a map. Both views include the same information, albeit in a different visual format. Above the two views is the *heading area* for the screen, and it includes buttons and tools used for searching, and additional functions.



*Members Directory start screen header on web-site*

On the mobile version, the *hamburger menu* is on the far left (used to display the Navigation panel), followed by the “Search” button and the *additional options* button. On the web-site version there is no *hamburger menu* on the left, since the Navigation panel is always visible.

## Searching

When searching Members, as soon as the user types in 3 or more characters in the text field, the program will search the database, as limited by the existing *view options* (see below), for your search term. Please see the detailed description of the “[searching for items](#)” tool near the end of this document. The program will scan the following *fields* for a match:

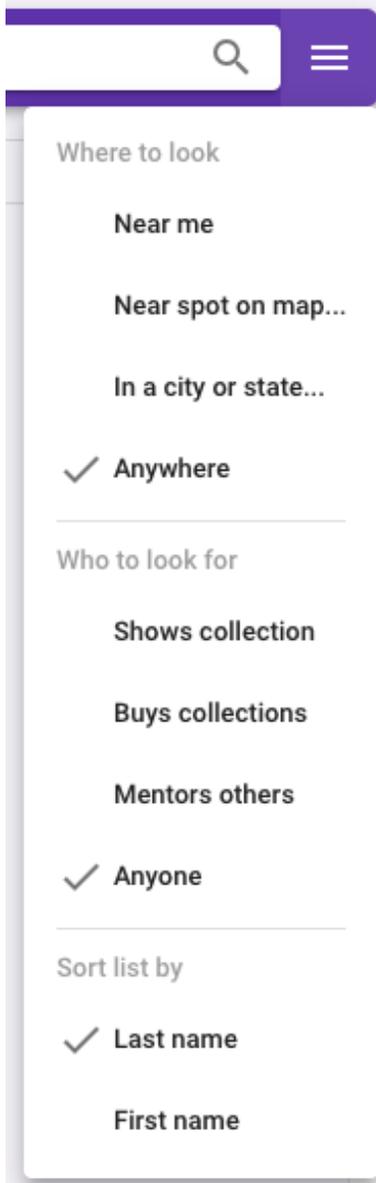
- First and Last Name
- Email Address
- Street Address, City, State, Zip Code and Country
- Cell Phone
- General Notes
- Spouse/Significant Other’s Name

If there are any matches, results will be displayed in both views. Once again though, depending on how *public* a member is, they may show up on the *list* view, but *not* the map view. In other words, if a member is restricting the amount of public information for themselves to simply “name”, then they will *not* show up on the map.

Note: As mentioned above, searching is limited to the currently selected *view options* (both of which the user can change). What this means is that the *location* option is “Near Me” then any members beyond roughly 100 miles from the current user will *not* be found. If there is a need to search for *anything*, then both options should be set to “Any” (see below for explanation).

## Additional items (on far-right menu)

When tapped/clicked, the *additional items* button will display a *menu* of options:



Shows & Events addl. Options menu on web

The upper and middle parts of the menu allows the user to choose the *where to look* and *who to look for* options for the members that the program should show them. Both of these options make it convenient to narrow or widen the criteria for who shows up in the list and map screens. That said, there is little down-side to keeping both options set to “Any”. Whichever options are selected are *remembered* by the program so that the next time the screen is viewed the same options will be in place.

The bottom section concerns *sorting*, which controls the “order” in which items are displayed. The *default* sort option is “Last name” and the other option is “First name”. The list is sorted “alphabetically”, meaning names that begin with “A” are at the top and items that begin with “Z” are at the bottom.

Tip: To *reverse* the current sort option, the user simply needs to re-click/tap that item in the options menu.

## List view

The list view for Members Directory is very similar to that of other areas: There are several pieces of information presented in a list which can be sorted in one of several ways. Here is an example of a few items:



Arielle Baron  
North Hollywood, CA



David Baron  
Centennial, CO



Haley Baron

*Members list on website*

At the far left is an image with either an actual photography (supplied by the member) or an *avatar* (either male or female, as selected by the member). Next to the image, on the top, is the *name* of the member. Below the member's name is their city and state, providing that they not only provided that information, but that they elected to allow their address to be displayed. As the example above shows, the third member down did *not* elect to make their address information public.

## Map view

The map view displays all of the members who have elected to allow their address to be public in a graphical manner, by plotting each member as a *pin* on a map. Each *pin* on the map is an appropriate icon specifying the *type* of event. *Hovering* over a *pin* (website only) results in the name of the member being displayed.

## Detail view

When an item in the Members Directory list is clicked/tapped then another screen is displayed where the details of that member are shown. In the header bar at the top of the screen will be a "go back" arrow button on the left side (mobile version only), followed by the member's name. On the mobile version the right side of the header will include "up/down" arrow buttons used for viewing the *previous* or *next* member from the *list* screen. Most of the details are obvious however there are a few particulars that need to be explained. First of all, depending on the displayed member's privacy preferences are, there may be nothing by a "Name" displayed at the top of the screen, plus an *avatar*. Or, as the example above shows, there may be a lot of information displayed. If the email address is displayed it will be clickable/tab-able, which, if used, would bring up the current user's email program. Likewise, if a phone number is displayed, then on mobile devices the phone number would be displayed as a tap-able link, which, if used, would bring up the current user's phone app. Below is an example of an upcoming show:

## David Baron



Email	<a href="mailto:david-baron@msn.com">david-baron@msn.com</a>
Address	6642 E. Peakview Place Centennial, CO 80111
Cell Phone	303-888-8071
Birth Date	May 21
Anniversary	April 6 (to Pam)
Children	Arielle, Haley and Evan
Website	<a href="http://www.morethanacog.com">http://www.morethanacog.com</a>
NIA Member?	Yes (#9082)
Belongs to	Triple Ridge Insulator Club
Will Show Collection?	Yes, I would enjoy showing my collection to others
Will Mentor Others?	Yes, I would enjoy mentoring other collectors

*Show or Event detail screen on website*

## Appendices

### I - Different Kinds of Fields found in NIA Companion

A *field* is typically a rectangular area on the screen where information can be entered. There are *four* types of fields that users will encounter on the various screens within NIA Companion. They are:

#### Type-able Text fields

These are basic fields that allows the user to type in whatever value they want. Some of these fields are limited to a single line, e.g., member's Last Name, while others allow multiple lines, e.g., a Marketplace ad's Description. Most text fields allow any value to be entered, however there are a few that only allow certain

values. For example, the EIN field in the Collection's Piece Details screen only allows numbers. Most type-able fields also have some sort of *length limit* however for simplicity's sake, there are no "counters" displayed anywhere in the program. If a user enters too many characters into a field, they will generally be prompted to correct the value before being able to save.

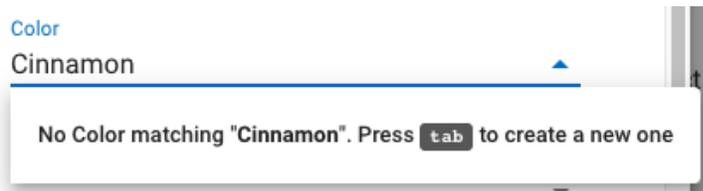
## Pick Lists

These are fields that when clicked or tapped, the program displays a list of choices. The user can only select one of the choices they see – they *cannot* create additional options. Selecting one of the choices copies the *name* of that choice into the field. Note that the list of choices may be too long to fit on the screen – the user may have to *scroll* the list up or down to find the value they want.

## Search to Select fields

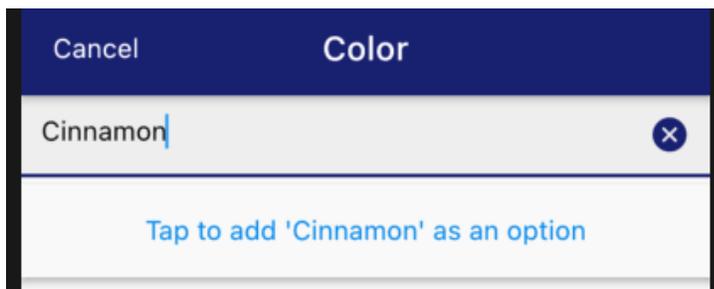
These are fields that are a combination of a text field and pick list, plus a bit more. And, each platform works a bit differently in regards to searching for and selecting a value:

- On the website, the user can type a value into the field directly. The program attempts to find matches based on what they type. In general, the more the user types, the closer the matches will get. However, in some cases it only takes a couple of characters for the program to find a match. Any matches are displayed in a list below the text field. If the user sees the item they are looking for, they would either click it, or *arrow down* to the value and hit the Enter key. Or, if the value is *not* found, the user can simply type the "Tab" key to *add* that value to the available options:



Search to Select field with no matches on website

- On mobile devices, when one of these fields are tapped, a new screen is displayed where the user can type in the value they are looking for. As above, the more that is typed, the closer the matches become, and again, matches are displayed beneath the search text field. If the user sees the item they are looking for, they would *tap* it to return that value to the original screen's text field. Or, if the value is *not* found, the user can tap the "Add..." button to add that value to the available options:



Search to Select field with no matches on mobile

## Date fields

These are fields where the user is able to either type a valid date into the field, or, they can use a *pop-up* calendar tool to find and click/tap the necessary date. Once again, each platform works a bit differently in regards to manually typing in a data, or selecting it from a calendar:

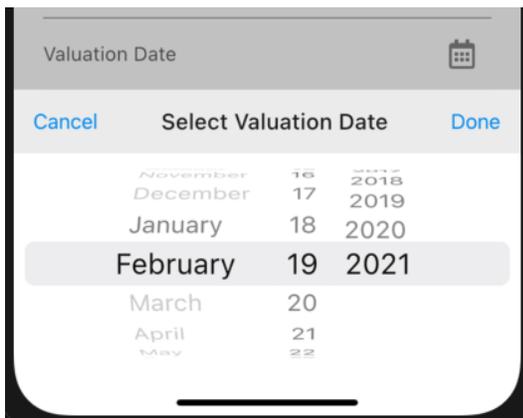
- On the website, the user can type in anything they want, however only *valid numerical dates* will be recognized and accepted. For example: 6/3/05 is valid, but June 3, 2005 is not.
- On the mobile app, the user can *only* type in allowable values. If they try typing in unacceptable values, such as “letters”, the characters will be skipped.
- On the website, the pop-up calendar looks like the following:



Date field with Calendar pop-up on website

The user can use the arrows at the top to move back or forward one month at a time. They can also click on the Month-Year heading (which is a button) to get another screen for quickly selecting a year and month. Once the date is identified, the user can either *double-click* on that date, or click the “OK” button, either of which will accept that date and place its value into the text field.

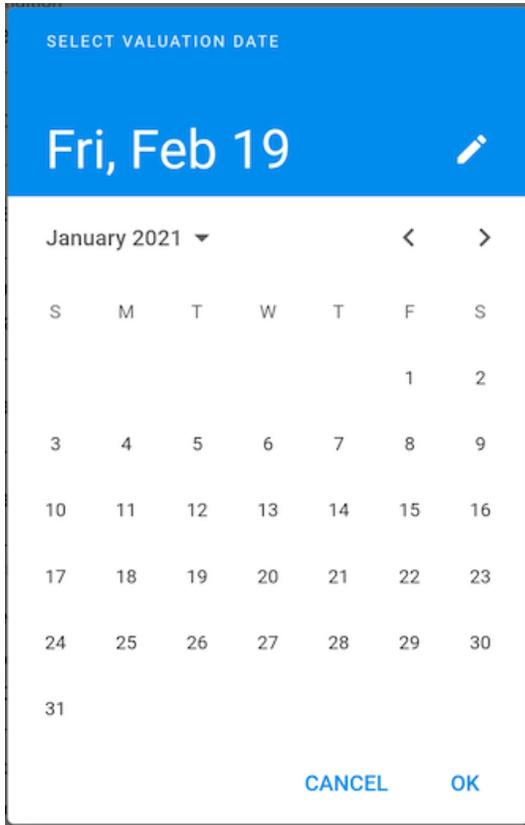
- On iOS, there is a pop-up *date picker* that appears at the bottom of the screen:



Date picker pop-up on iOS

An iOS date picker is comprised of three *wheels* that the user *turns* (by flicking their finger on it) until the desired value is in the “middle” (within the *highlighted* bar). Once the date is identified, the user must tap the “Done” button to copy the date value into the text field.

- On Android, there is a pop-up calendar screen similar to the website version:



Date picker pop-up on iOS

The user can either *swipe* left and right, or, use the arrows at the top-right to move back or forward one month at a time. They can also click on the Month-Year heading pick-list to get another screen for quickly selecting a year and month. Once the date is identified (by tapping on it), the user must tap the “OK” button to copy the date value into the text field.

## II - Searching for Items in NIA Companion

Both the mobile and the desktop versions of the program allow you to search for information. Depending on the platform being used, the process is a bit different. Here are the two versions of a typical *header area*:



Header area with search field on website



Header area with search button on mobile

On the website version, most *list screens* have a *text field* in the *header area* that the user can immediately type into to begin searching. On the mobile version this is begun by tapping the *magnifying glass* icon. Doing so will result in the heading area changing its appearance a bit, including a text field in which you can enter your search term and a “go back” button that will exit you from the search tool.



Search field plus go-back button on mobile

Regardless of the version, as soon as you type 3 or more characters in the text field, the program will search the *current area* within the database for your search term. Results will be listed out for you and the search term will be highlighted in yellow.

For the initial version of NIA Companion, the “search mechanism” is very simple. It uses whatever you type in to find items which have *all* of what you type. What that means for example, is that if you enter in “yellow amber”, it will find topics and posts that contain “yellow amber” as you’ve typed it. It will *not* find items that only have the word “yellow” or items that only have the word “amber”, or even items that *do* have both words, but not separated by a ‘space’.

The “case” of your search term does not matter, i.e., “hemingray” is the same as “Hemingray”. Nor does it matter how *complete* your term is. For example, if you type in “hemi” it will find “Hemingray”. Likewise, if you type in “gray” it will find Hemingray. Punctuation does matter – “N.E.G.M.” is *not* the same as “NEGM”, such that if you typed one of those you would *not* find the other. Depending on the uptake of the program and user input, the search mechanism may be upgraded in the future to be a bit more *intelligent*. Time will tell.

Depending on the *area* of the program you are in, different *fields* will be searched. Please see each *area* above for specifics.

### III - Working with Attached Photos

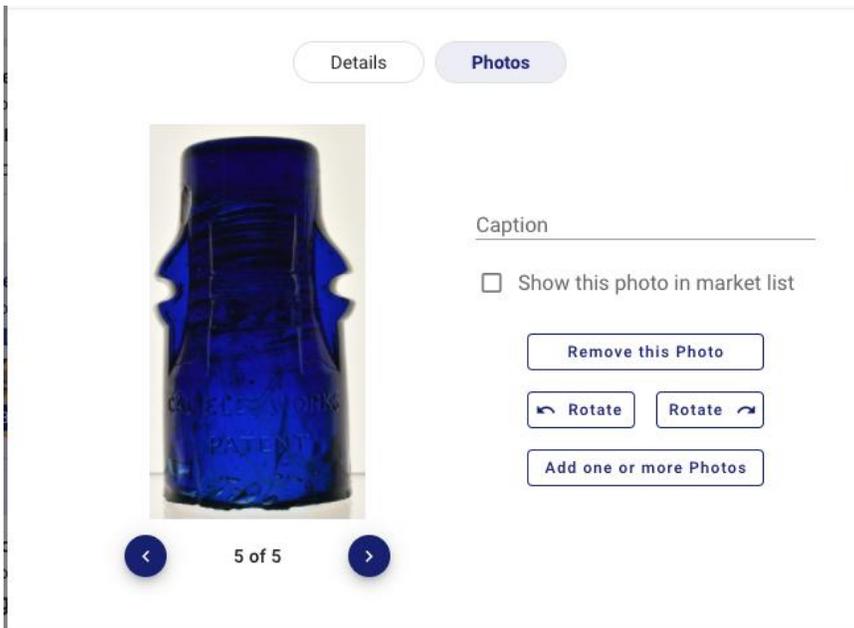
#### Overview

Several areas within NIA Companion allow the member to attach photo files. When a photo is *attached* it means that a photo file from the member’s device is *copied* to the NIA Companion web server. The original photo file is left in place and un-touched. When the file is copied to the server three things happen:

1. It gets renamed to an illegible value, which, from a security perspective, makes it hard for *bad actors* to guess file names in an attempt to copy them outside of the program;
2. It gets converted into a JPEG image format. This provides a bit of *compression* without losing any quality;
3. It gets *duplicated* into two additional *sizes* – a *medium* sized version used for preview screens and a *thumbnail* size used in list screens. Creating smaller versions of each file helps with performance (time delay and memory consumption) when doing things such as fetching and displaying a long list of items with photos.

Members may attach multiple photos to an item, however only one of those photos gets displayed in any *lists* in which the item shows up. Members may denote one photo for each item as “the one to show in a list”. Additionally, each photo can have a *caption* assigned to it to help provide a small amount of information of that particular photo. Captions are limited to 250 characters.

Regardless of which area you are viewing, the Photos screen will look the same, though each platform has a slightly different look-and-feel:



Photos screen on website



Photos screen on mobile

## Adding Photos

Members can attach one or more photos to an item. The process is begun by clicking or tapping on the appropriate “Add” button. On the website version, the button is labeled “Add one or more Photos”. The screen that comes up after clicking it allows the user to *select* one or more photo files at once by holding down either the Shift key, the Ctrl key (Windows) or Command key (Mac). On mobile devices, there are two “Add” buttons. The “Add Photo from Device” button allows users to select one photo at a time from their device. Multiple photos *can* be attached however the *selection* process is one-at-a-time. The “Add Photo using Camera” allows the user to take a real-time photo with their device’s camera.

Once the photo file(s) have been selected or taken, the image(s) are displayed on the screen. Only one *preview* image is shown at a time, and if there are multiple images then the user can switch between them using the on-screen buttons (website version) or by swiping left and right (mobile).

## Editing Newly Added Photos

When a new photo is attached to an item it can be *edited* in certain ways, depending on the platform. On the website version a photo can be *rotated* in 90° increments, either to the left or the right (see the two “Rotate” buttons in the example above). On the mobile version, several editing options are available. Tapping a newly added image will result in a new screen being displayed, the look-and-feel of which is different between iOS and Android.

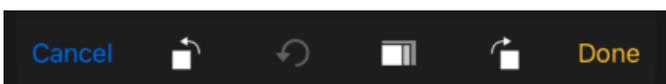


Photo editing controls on iOS



Photo editing controls on Android

In the iOS version there are buttons for rotating the image in 90° increments, either to the left or the right. There is also an *aspect ratio* button which allows you to set the *relative sizes* of both the height and width of the image, for example 3:2, 4:3, 16:9 or square. The image can also be *cropped* at any time by using the *crop handles* that are overlaid on the image at all times. There is also an *undo* button that reverses the most recent change. When changes are complete the “Done” button can be used to return the altered image back to the item photos screen, or, use the “Cancel” button to discard any changes.

In the Android version there is a crop button that behaves exactly as the *aspect ratio* button does in the iOS version – it allows the user to apply a pre-set aspect ratio (same as above), or, by using the *crop handles*, set an arbitrary height and width of the resulting image. There is *free-rotate* button that allows the user to rotate to any degree they want, or, in explicit 90° increments. There is also an “X” button in the rotate screen that reverts the image back to its original orientation. And there is a *scale* button that allows the user to scale up or down the image to a precise value. When changes are complete the “check” button can be tapped in the upper-right corner of the device, or, the “X” button can be tapped in the upper-left corner to discard any changes.

Note: *Only* newly attached photos can be edited in any way. Once a photo has been saved, it can only be removed/replaced.

## Removing Photos

Attached photos can be removed from an item at any time. To remove a photo, make sure that it is the *current* photo in the preview screen. Then click or tap the “Remove this Photo” button. The photo will be removed from that item, although the “Save” button must be used to keep the change. Additionally, if the photo that is removed was the photo marked as “Show in List”, *and* there are *two* or more photos remaining, then the user must make sure to mark the desired photo as “Show in List”. If only one photo remained it would be automatically set a “Show in List”.

## Saving Photos

After photos are *attached* to an item, and possibly edited in some way, they are ready to be *saved*. Photos are saved *during* the process of saving the item to which they are attached. In most cases, a user will fill out the *fields* (bits of information) for the item, *then* they will attach one or more photos, and *then* they will save the overall item. Since photo files can be very large, and since a user can save many (dozens!) photos with an item, there is a special process for saving photos. When the item is saved, the photos are saved *first*. The user will see a *progress monitor* that indicates how many photos have been *uploaded* to the web server, and how many remain. Each individual photo is saved one-at-a-time. Once all the photos are saved, the overall item is saved.

# IV - Using the Zoom Photo tool

## Overview

Many areas in the NIA Companion display photos that members have attached to various items. In most cases, the photos are much *larger*, in terms of dimensions, than the small area of the screen in which they are initially displaye. In general, the images will initially be displayed as either a *thumbnail* or a *preview*, both

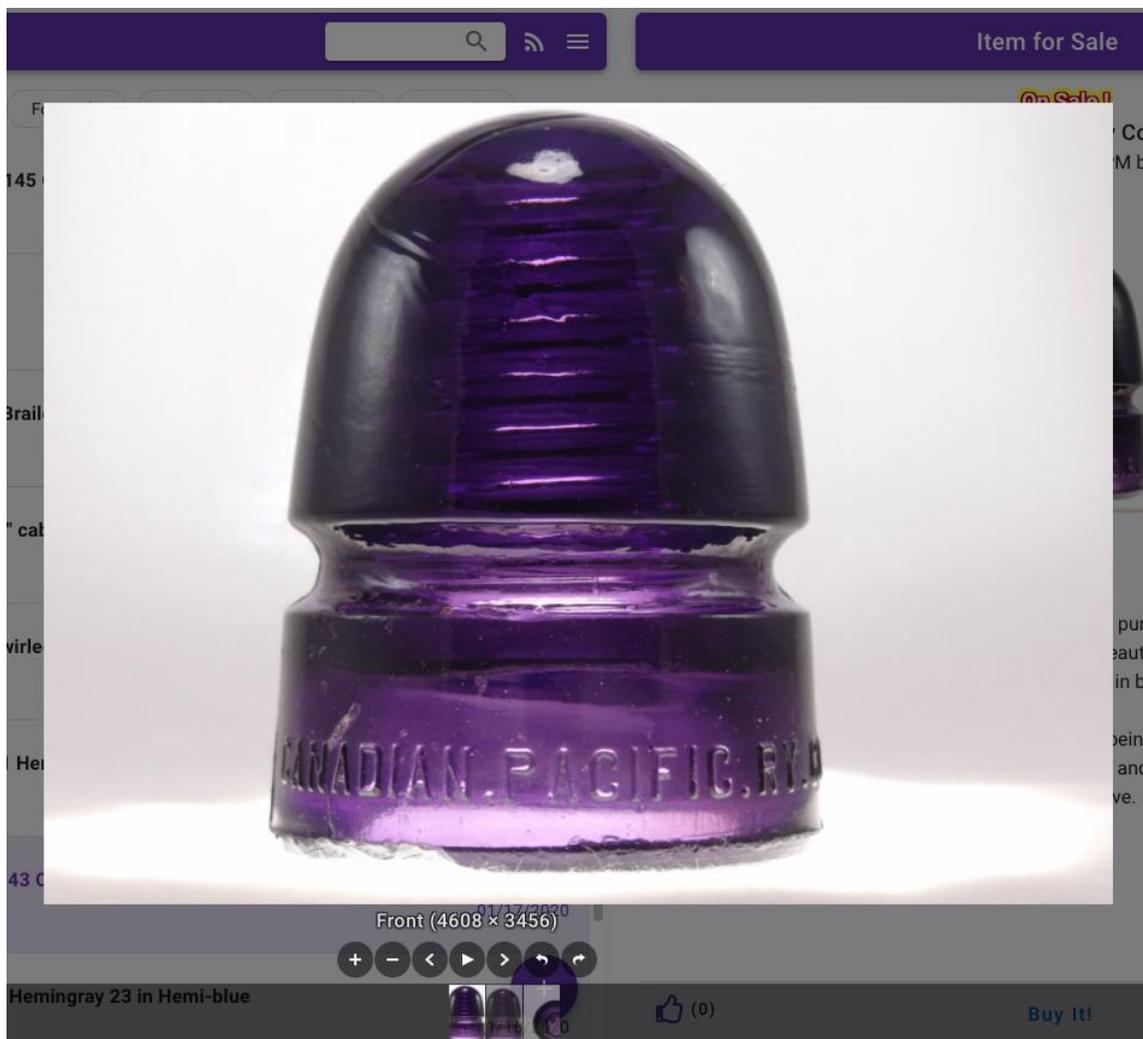
being too small to see any details such as embossing or damage. To help with this there is a *zoom* screen in which the user can “zoom in” on the photo, which can be displayed in a wide range of *scales*. This screen is generally accessed by clicking/tapping on either the thumbnail or preview images on the various pages. The look-and-feel of the zoom screen differs depending on the platform being used.

## Website version

The website version displays the zoom screen as a *translucent* collection of several items.

- The photo image
- The photo dimensions and any caption
- A *toolbar* of options
- A horizontal list of thumbnails

These four items are overlaid on top of the existing screen, which can be seen *underneath* them, though with a “greyed out” layer separating the two. The following is an example:



Zoom photo tool on website

The image itself will open at a pre-determined scale, generally larger than the underlying thumbnail or preview version. From there the user can use the toolbar or their mouse to “zoom in” or “zoom out”. On the toolbar there is a “plus” button used for zooming in (thus making the image larger) and a “minus” button used for zooming out (thus making the image smaller). If the user’s mouse has a scroll-wheel, the same can be

accomplished by rolling the wheel forward (zoom in) or backwards (zoom out). While zooming in or out, a small *percentage* label will be displayed over the image, indicating the relative scale of the image to its full size.

Directly above the toolbar are the dimensions of the full-size photo, in pixels, width followed by height. If the photo has a caption then that is displayed as a prefix to the dimensions.

To the left of the zoom in/out buttons are three *navigation* buttons that are useful when there are two or more photos in the source item. The left-pointing arrow button will move to the *previous* photo. If it is on the first photo, then it would go “backwards” to the last photo. The middle-most button (solid arrow pointing right) is the *slideshow* button and will result in all the photos being shown each at “full-screen” size, with automatic progression every few seconds (until the Esc key is clicked). To the right of the slide-show button is the right-pointing button that will move to the *next* photo. If it is on the last photo, then it will go “forwards” to the first photo.

The two right-most buttons are used for *rotating* the photo in 90° increments to the left or to the right. Keep in mind that rotating a photo does *not* result in that photo being permanently rotated. It is merely a temporary visual adjustment.

At the bottom of the zoom tool is a *list* of thumbnail images, one for each photo. This can be used to show a specific photo without having to navigate left or right.

When the user is finished with the zoom photo tool they can close it by either typing the ESC key (typically upper-left-hand corner of keyboard) or by clicking the ‘X close button’ located in the upper-right-hand corner of the browser screen.

## Mobile version

The mobile version displays the zoom screen separately and contains several items.

- The number of images (with current position)
- Buttons for moving to the next or previous image
- The photo image
- The caption, if any.

The following is an example:



Zoom photo tool on mobile

The “up/down” arrow buttons in the upper-right corner of the screen are used to move to the previous (up) or next (down) image attached to the current item. If the current image is the first image in the list and the “up” button is tapped, then the program will display the *last* image. Conversely if the current image is the last in the list and the “down” button is tapped, then the program will display the *first* image. The user can also change position within the list by *swiping* the current image either up or down. Swiping up result in the *next* image (the one “below” the current one) being brought “up” into view, and, swiping down results in the *previous* image (the one “above” the current one) being brought “down”. Unlike the arrow buttons, there is no “wrapping” of the list, meaning, if the current image is the first, and the user swipes down, the program will not “bring down” the last image. Likewise, if the current image is the last and the user swipes up, the program will not “bring up” the first image.

The image starts out by being scaled to fully fit on the screen. The user can then zoom in (or out) in two different ways:

- Pinch-to-zoom. This method of manipulating an image was introduced by Apple on their first iPhone and now is available on all mobile devices. In general, by touching (and not releasing) the screen with their thumb and forefinger, the user can zoom *in* by *pinching in*, i.e., bringing their two fingers *closer* to each other. Conversely, by *pinching out*, i.e., moving their fingers further apart, the user can zoom *out*. Using this method repeatedly can allow tremendous effects in either direction, which, depending on the resolution of the original image, can result in the most minute of details becoming visible.
- Double-tapping. A quick and easy single-handed method of zooming in (or out) involves simply double-tapping (two taps in-a-row, quickly) on the image. There are two levels of zooming *in* via double-tap. Once the final zoom level is reached, double-tapping again will result in the image being zoomed *out* so that it completely fits in the screen (the same view as when the image is first displayed). Double-tapping cannot be used to zoom out (except to return to the initial view). Additionally, if the image had been zoomed *out* via pinching, i.e., was a *smaller* size than normal, it can be returned to the initial view size by double-tapping once.

Finally, at the bottom of the screen would be the caption for the current image, if it was available. If the image gets zoomed in so that it completely fills (and over-runs) the screen, the caption will be overlaid on top of the image and so will still be visible.

When the user is finished with the zoom photo tool they can close it by tapping the 'back' button located in the upper-left-hand corner of the screen.