

**Sun City Summerlin Computer Club
Seminar**

**A Tour of
Photopea
Image Editor**

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Where to Find the Materials

- **Sun City Summer Computer Club Website:**
 - <https://www.scscclub.com/smnr>
- **Direct Hyperlink**
 - <https://www.scscclub.com/smnr/TourofPhotopea.pdf>

Seminar Agenda

- Introduction
- Getting Started With Photopea
- The Photopea Main Window
- Four Image Projects *Interspersed*
- The Photopea Tool Palette
- Basic Image Editing Actions
- The Photopea Color Pane
- The Photopea Menu Bar
- Using Photopea Layers
- Using Photopea Filter Tools
- Saving in Various Formats
- Printing (via Browser or Other Program)

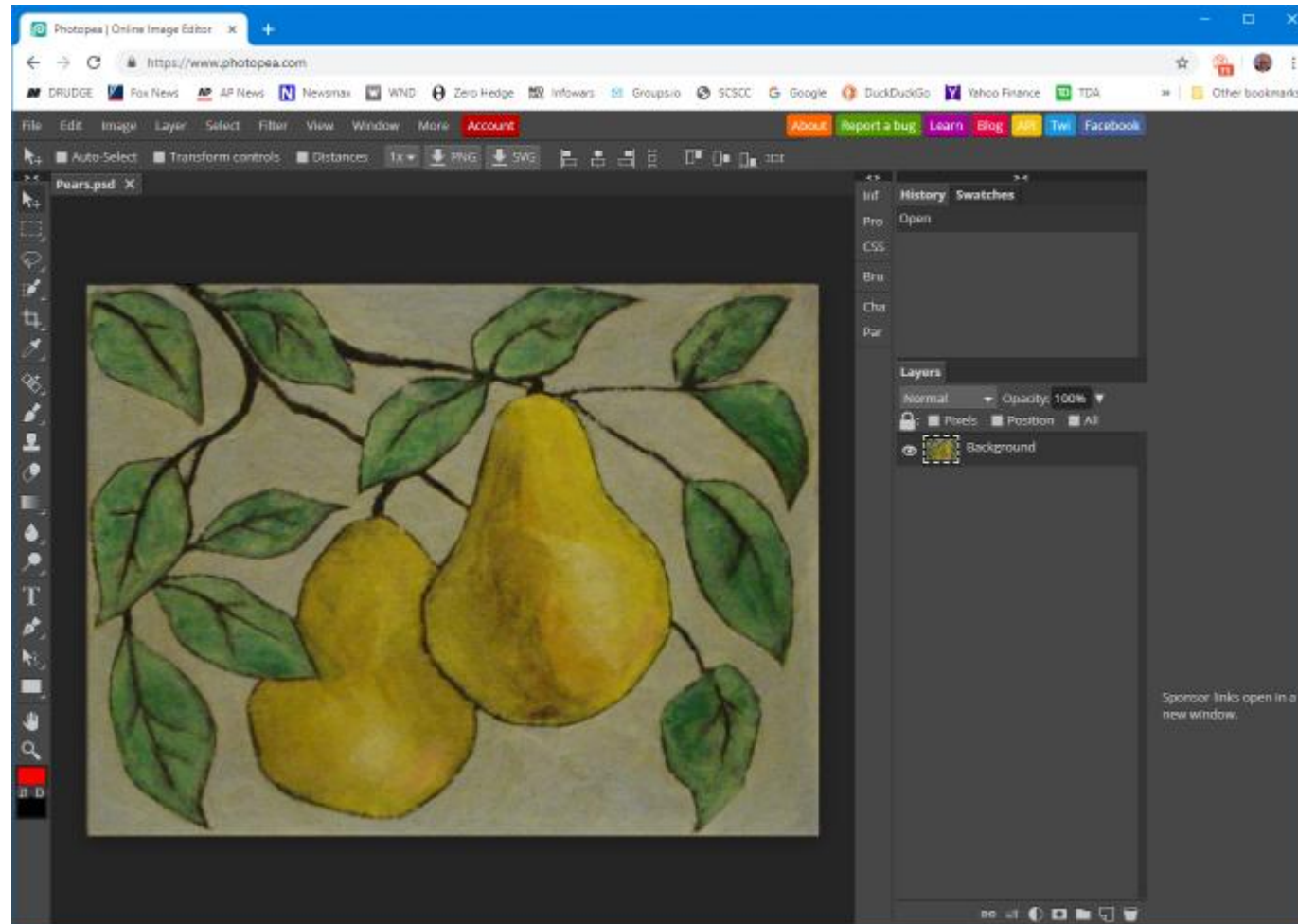
Introduction

- **Photopea is a FREE “open source” image editor.**
 - Entirely web-based, so works on Windows, MacOS, Linux, any device with a web browser.
 - Can run in your browser or you can “install” it. Installed version runs offline.
- **Has many nice features.**
 - Can be simple but has many powerful features.
 - Very similar to Adobe Photoshop.
- **This seminar will focus on most useful features for “mere mortals”.**
- **We’ll try out the new “AI” features.**
- **Ask your questions as we go.**
- **To demonstrate features, we’ll work on several interesting photo projects.**

Getting Started With Photopea

- Go to the Photopea website: <https://www.photopea.com/>
- The Photopea main window will open (see next slide).
- You can click the Account button to set up a free account or to purchase a paid (add-free) account.
- You can click the “Learn” button to go to an online tutorial and reference guide.
 - **If you’re familiar with Photoshop or Photoshop elements, Photopea should be an easy transition.**
- You can use the File > Open menu or the “Open From Computer” button on the main screen to open an existing image file or project.
- Photopea is able to open project files from Photoshop and GIMP.
- Photopea saves project information using the Photoshop (.psd) format.

The Photopea Main Window



Photopea Tool Palette Pane



- **Hover over each tool to get a tool-tip name and secondary selection options.**
- **The various tools let you select or act on areas of the image or current layer.**
- **The tools that paint or edit pixels interact closely with the color window.**
- **You can zoom in and out by pressing:**
 - **Ctrl + (in), Ctrl – (out), Ctrl 0 (fit to window)**
- **Now we'll run through a demo of the most commonly used tools in Project 1 ...**

Example Project 1 – Straightening a Photo (1)

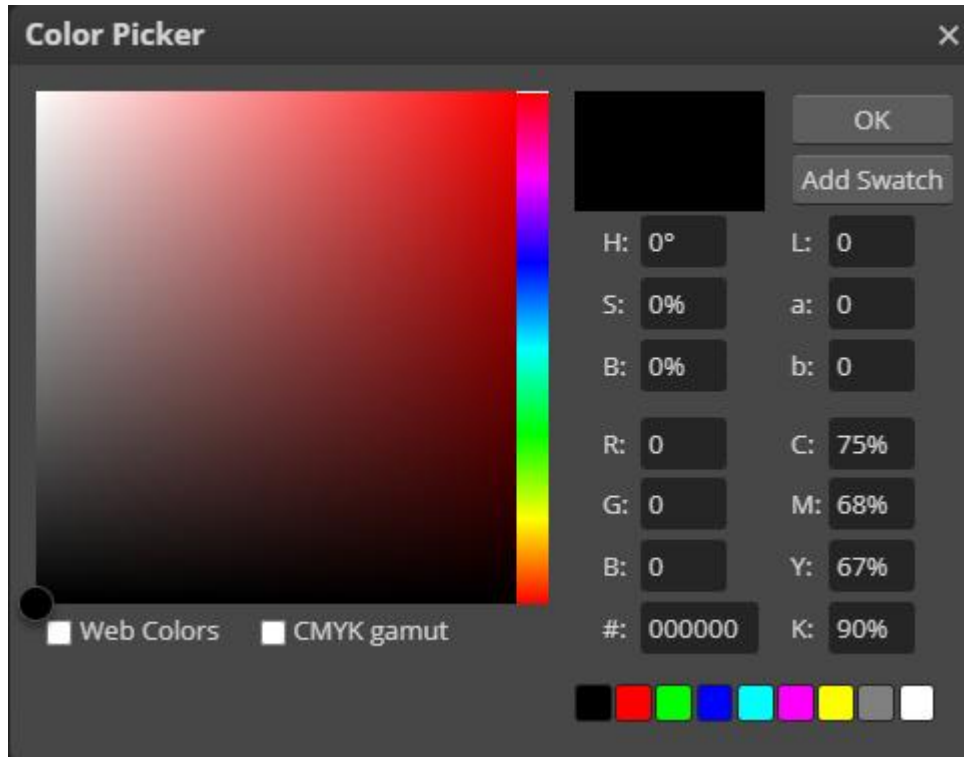
- Working with a photo of a painting.
- Suffers from perspective distortion and skew.
- Also, slightly over-exposed.



Example Project 1 – Straightening a Photo (2)

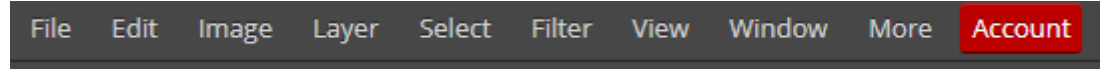
- **Correct the skew distortion using Perspective cropping tool.**
 - Carefully draw to inner corners, then press Enter.
- **If needed, crop again afterward.**
- **Also adjust the overall exposure of the image.**
 - Image menu > Adjustments > Exposure)
 - Adjust sliders to see what looks best.
- **Repair any blemishes (spots, cracks).**
 - Caution – easy to overdo it.
 - Use the clone tool, healing brush or spot healing brush
 - Use the pencil & paintbrush if needed.
- **Save the project as a .psd file (File > Save as PSD)**
- **Export the image as a .png file (File > Export as)**

Photopea Color Pane



- You can set a primary and a secondary color.
- You can work in RGB, CMYK, or HSB.
- You can enter a hexadecimal color number (RGB).
- You will often set the color by using the eyedropper tool.
- Let's demo the color pane.

Exploring the Photopea Menu Bar



- The photo editing capability of Photopea is in the menu bar.
- The Image menu provides adjustments, resizing and gross transformations.
- The Layer menu offers a rich array of layer functions that we will use in later projects.
- The Filter menu provides a rich array of special effects, plus some common actions like red-eye removal.
- Let's explore some of the menu bar actions as we do Project 2.

Example Project 2 – Restore an Old Photo (1)

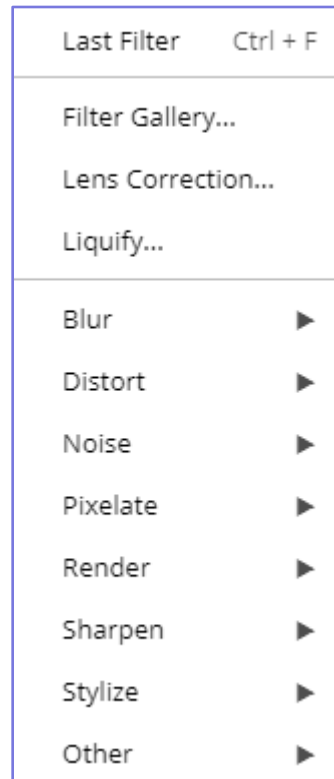
- Original very old photo was faded, had some cracks, spots and loss of detail.



Example Project 2 – Restore an Old Photo (2)

- **Rotate and Straighten as needed.**
 - Image menu > Transform > Rotate -90
- **Crop as needed using rectangular Crop tool.**
 - May need to fill in corners after rotation.
- **Also adjust the overall contrast of the image.**
 - Try Image > Adjustments > Desaturate.
 - Adjust Exposure, Contrast & Brightness.
 - Experiment with the Levels tool.
- **Then repair blemishes (spots, cracks).**
 - Caution – easy to overdo it.
 - Use the Spot healing tool, clone tool or healing tool.
 - If needed, use the pencil & paintbrush.
- **Resize to enlarge if small.**
 - Image > Image Size

Using the Photopea Filter Menu



- **Many effects available**
- **Lens Corrections**
- **Distortions**
- **Blurs & Sharpening**
- **Can Render Clouds for Backgrounds**
- **Pixelation Effects**
- **Let's Experiment!**

Photopea Layers

- **A Photopea “image” is comprised of one or more layers, stacked vertically.**
- **The image you see is the composite of viewing through all the layers, top to bottom.**
- **The background layer is usually the base image, sometimes a background pattern or image.**
- **Each layer applies its modifications to the layers below it.**
- **You can reorder the layers to change how they affect the composite image.**
- **You can also merge or flatten layers when you have the desired effects.**
- **If you have a large number of layers, you can group them into named folders.**
- **Let’s look at some simple layer actions as we do Project 3.**

Example Project 3 – Portrait Retouch (1)

- Original image shot from webcam with cluttered office as background, some spherical distortion.
- Reworked to composite with a different background.



Example Project 3 – Portrait Retouch (2)

- **Crop the image as needed.**
- **Remove the background using Select > Remove background.**
 - This is a “premium” feature. To use it in the free version, they make you watch an ad.
- **Add a new layer and move it to the background.**
 - Hide the layer containing the portrait image.
 - Fill the background layer in some interesting, complementary pattern.
 - Choose a second lighter shade to use in a radial gradient.
 - Draw the gradient using the gradient tool.
 - Unhide the layer with the portrait image.
 - If all was done well, you should have a clean composite.
- **Export the finished image as a .png file.**
- **Save the project as a .psd file.**

Example Project 4 – Layer Effects (1)

- Take a scenic vista and add a mat border using a larger layer behind it.



Example Project 4 – Layer Effects (2)

- Open original image.
- Add a new, transparent layer. It will be the same size as the original image.
- Delete the original image.
- Select and resize the added layer, increasing height and width by 100 pixels each.
 - This will create a 50-pixel border around the image.
- Use the color selector to choose a color for your border; I used a dark gray.
- Use the Paint bucket tool to fill the added layer with your border color.
- Use File > Open & Place and reopen the original image.
 - Photopea will center the image on top of the background layer.
- Export the finished image as a .png file.
- Save the project as a .psd file.

Saving / Exporting in Various Image Formats

- **Click the File menu.**
 - A list of action choices will appear in the menu.
- **Click “Export As”.**
 - This will open a classic “Save As” dialog.
 - You can choose the file name, folder and file type.
 - “Flattened” types include: .BMP, .PNG, .GIF, .JPG, .TIFF and .TGA
- **When you have the Save settings defined, click the “Export” button.**
 - Photopea will display a second dialog that is dependent on the file type, asking for more specifics.
 - Choose the desired settings and then click OK.
- **Let’s explore Exporting further... (demo).**
- **You can also Save the project file as a .PSD (Photoshop) file.**
 - Retains all the separate layers and actions.
 - Use this if you are saving in the middle of working on a complex image project.

Printing Photopea Images

- **Photopea's Print function is on the File menu.**
- **But ... You can only print to a PDF or to an image file.**
- **You can open the PDF file with a PDF viewer such as Adobe Reader and then print it.**
- **You can also open the exported final image file in your favorite other image editor or insert it into a Word document. The new Windows Photos program is good for this.**
- **Then use the Print function of that program to actually print the image to a printer.**

Final Q and A

Final Questions and Answers