Willow Valley

GENEALOGY CLUB

"Connecting Families"

"Genealogy & Scanning"

Bruce Mawson

Presenter Bio

J Bruce Mawson

- WVC 11 years
- Genealogy Club
  - My Tree: 1900 linked names (Family Tree Maker)
- Computer Club
  - Executive Committee
- Camera Club
  - Executive Committee
- Lakes A/V Team
  - Senior Member

Today's Presentation

- Computer aspects of Scanning in Genealogy.
- But Scanning is a general-purpose tool.
- "Why Scan?"
- Minimum hardware system.
- Software considerations.
- Sample work-through with variations.
- Other related topics: PDF, OCR, VR.
- Summary

Computer aspects of scanning your Genealogy Items

- Why
  - Preservation long time
  - Family Photos
  - Writing a book or other stories
  - Back-up
  - Solid object (get a two-dimensional image)
  - Storage, House space
  - Do not have to handle original stuff.
  - Share items

Example

Family Bible,
Great Idea, but;
- To Scan requires the book to be open and flat.
- Can get damage at the spine.
- Distortion near the center.
- Bible entries usually handwritten, (OCR)

Solution,
Take picture or Adobe Scan, and you provide the translated text.

Review of Hardware required.

At Home	In The Field
Computer (Dell 15" Laptop)	Smart Phone
Router	N/A
Scanning device Multi-mode printer (HP) Dedicated scanner (Canon)	Camera (Smart Phone) Portable scanner

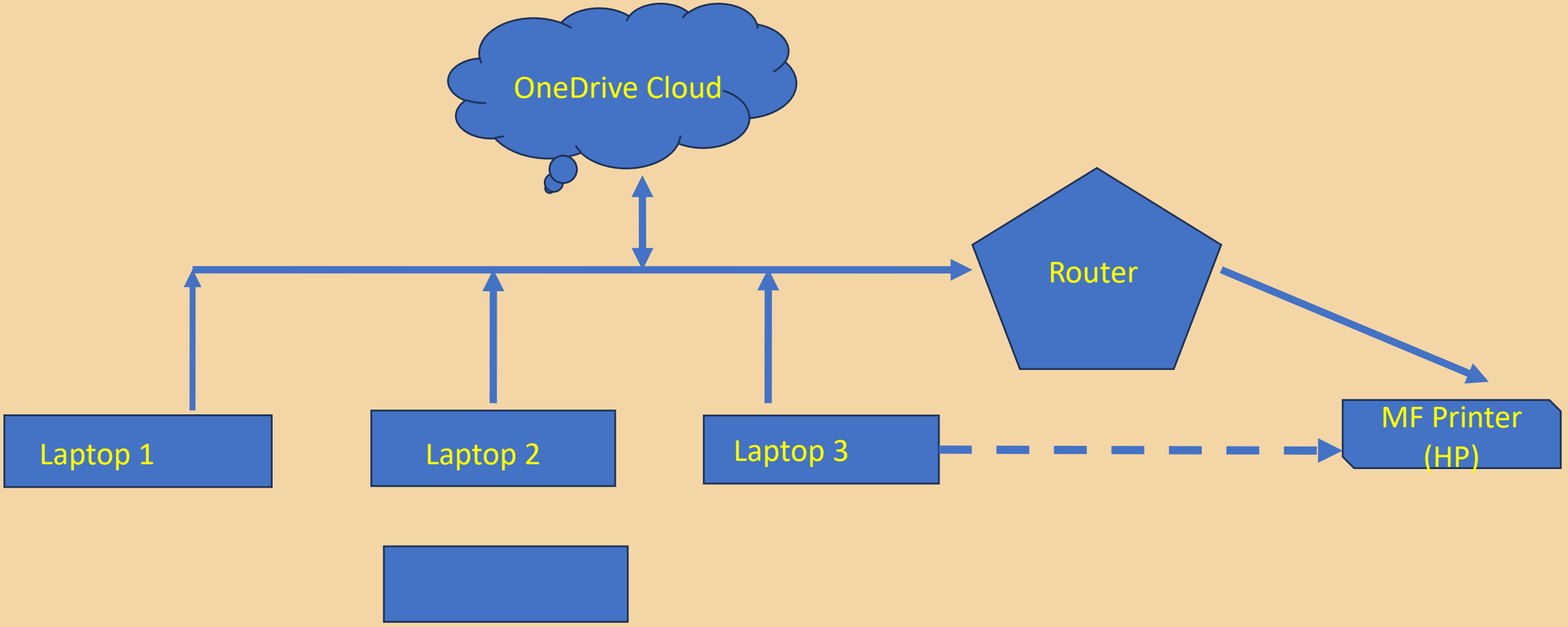
Typical Minimum System

Router

Laptop

Printer

My computer system (simplified)



Multi-Function printer

Function	Print Engine	Scan Engine		Input	Output
Print	*			Computer File	Document
Copy	*	*		Document	Document
Scan		*		Document	Computer File
Fax		*		Computer File Document	Telephone

Qualification

PC.

This presentation uses PC examples of hardware and software

BUT,

MAC

I know there is a MAC alternative for every step of the way!

Please stay if you are solely a MAC user, It will have some value.

Standard computer stuff for documents

- Operating system
  - (usually has scanning software) and printer control.
- Scanning software
  - In the operating system (Windows 11)
  - Or in the printer support software (HP SCAN)
  - Or 3rd Party, Adobe Scan, Vue-Scan etc.

Review of Scan Software (Partial)

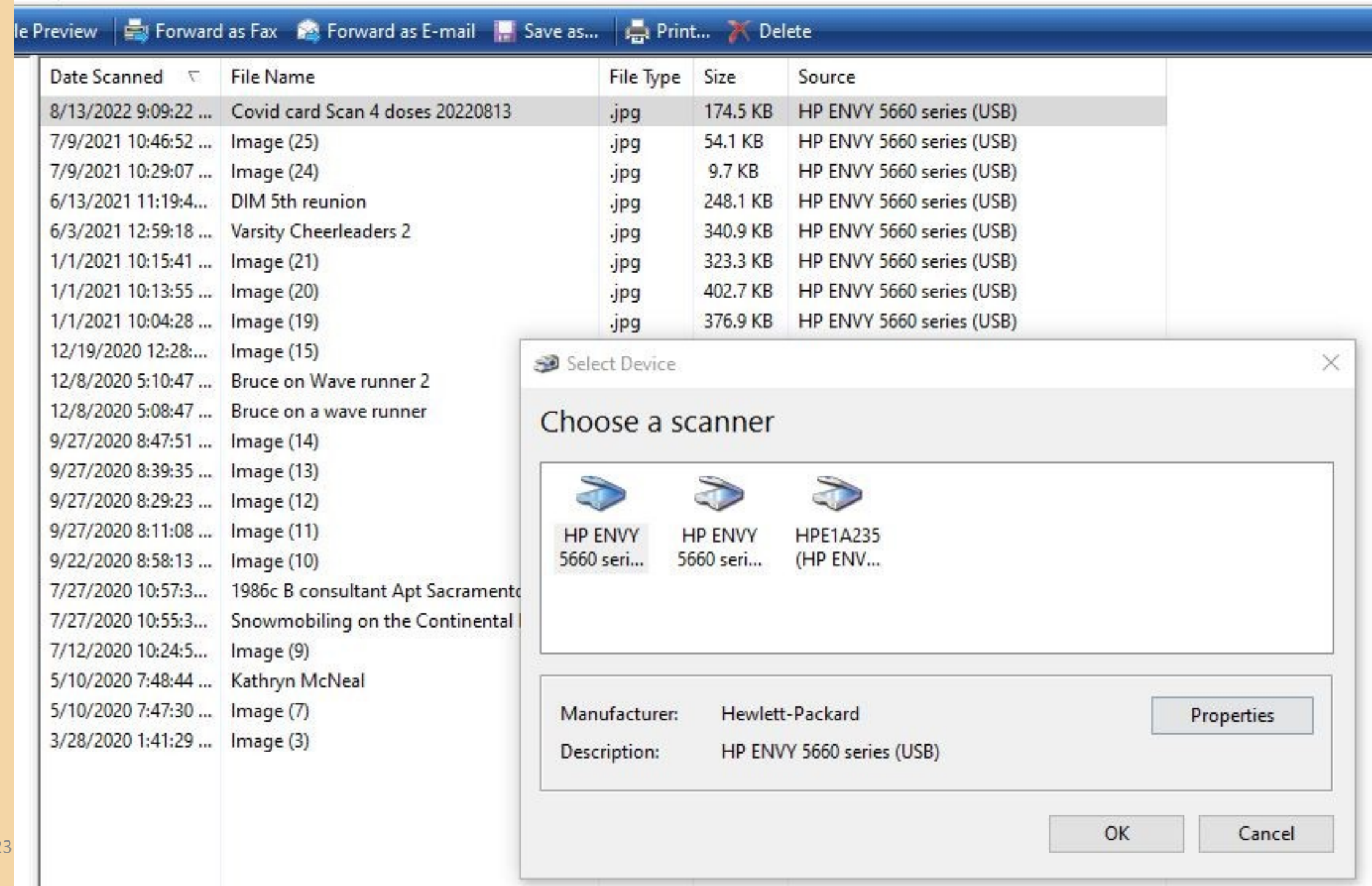
- Windows
  - Fax & Scan (Old)
  - Scan (New) (Certain problems, not ready yet)

  - HP Scan (came with HP Printer)
  - HP Scan & Capture
  - Adobe Scan
  - Vue-Scan (3rd Party)

Scan to a Picture (JPG)

Easiest to operate
Cannot be text edited
Can use photo editing

Fax & Scan (Windows 10)


le Preview
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8/13/2022 9:09:22 ... Covid card Scan 4 doses 20220813 .jpg 174.5 KB HP ENVY 5660 series (USB)
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6/13/2021 11:19:4... DIM 5th reunion .jpg 248.1 KB HP ENVY 5660 series (USB)
6/3/2021 12:59:18 ... Varsity Cheerleaders 2 .jpg 340.9 KB HP ENVY 5660 series (USB)
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12/19/2020 12:28:... Image (15)
12/8/2020 5:10:47 ... Bruce on Wave runner 2
12/8/2020 5:08:47 ... Bruce on a wave runner
9/27/2020 8:47:51 ... Image (14)
9/27/2020 8:39:35 ... Image (13)
9/27/2020 8:29:23 ... Image (12)
9/27/2020 8:11:08 ... Image (11)
9/22/2020 8:58:13 ... Image (10)
7/27/2020 10:57:3... 1986c B consultant Apt Sacramento
7/27/2020 10:55:3... Snowmobiling on the Continental
7/12/2020 10:24:5... Image (9)
5/10/2020 7:48:44 ... Kathryn McNeal
5/10/2020 7:47:30 ... Image (7)
3/28/2020 1:41:29 ... Image (3)
Select Device
Choose a scanner
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Manufacturer: Hewlett-Packard
Description: HP ENVY 5660 series (USB)
Properties
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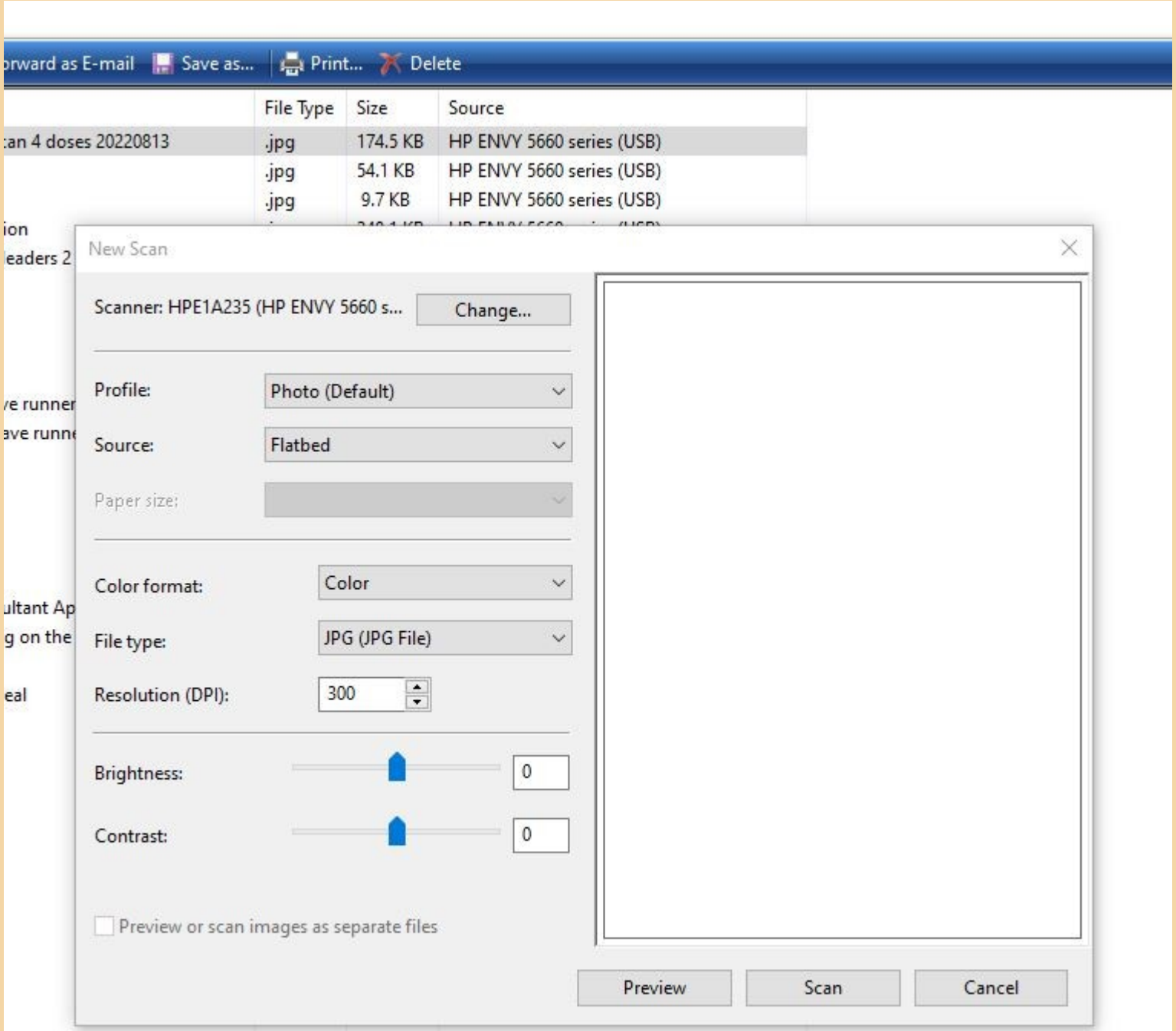
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Resolution (DPI):
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Brightness:
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Contrast:
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Preview or scan images as separate files
Preview
Scan
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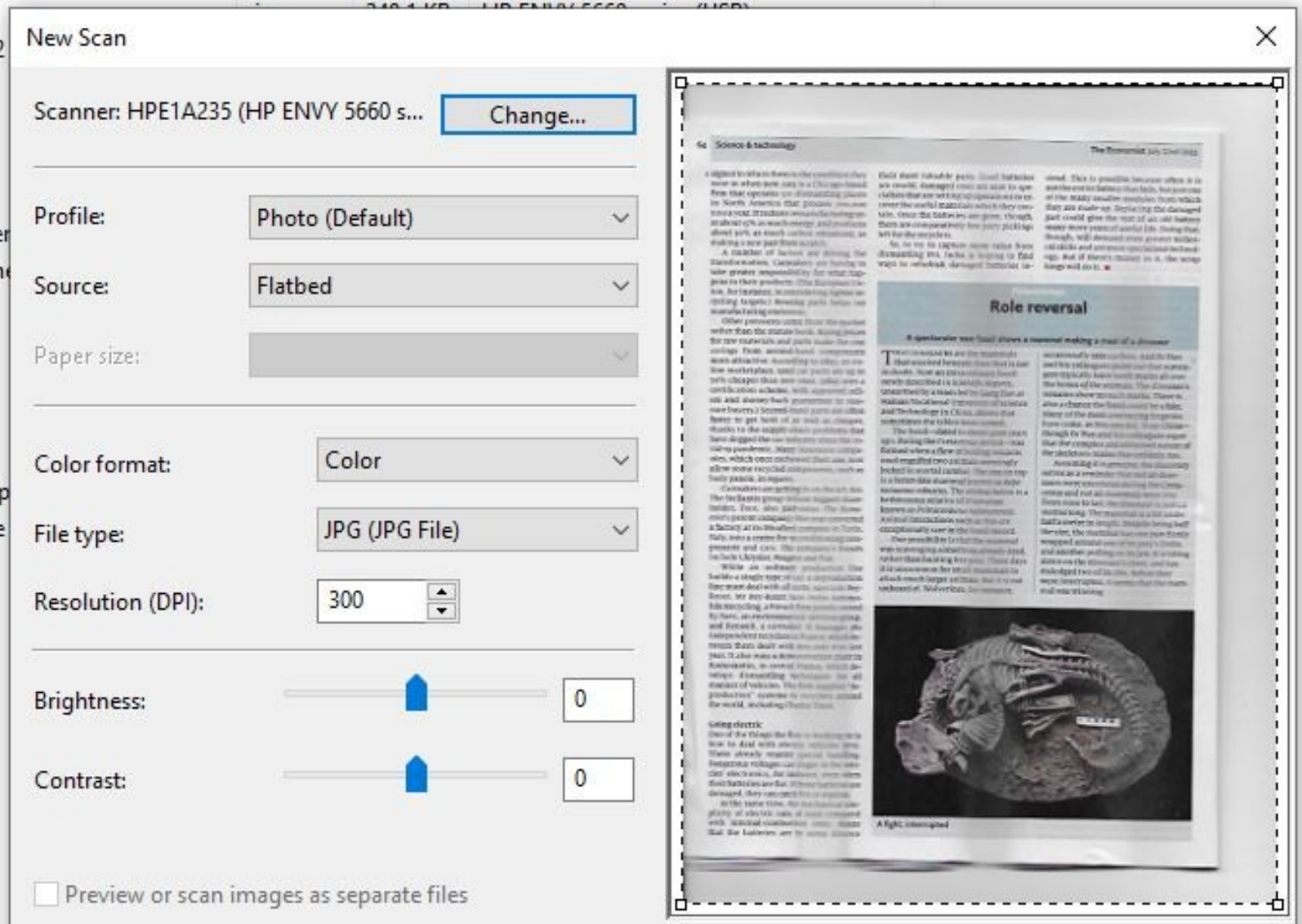
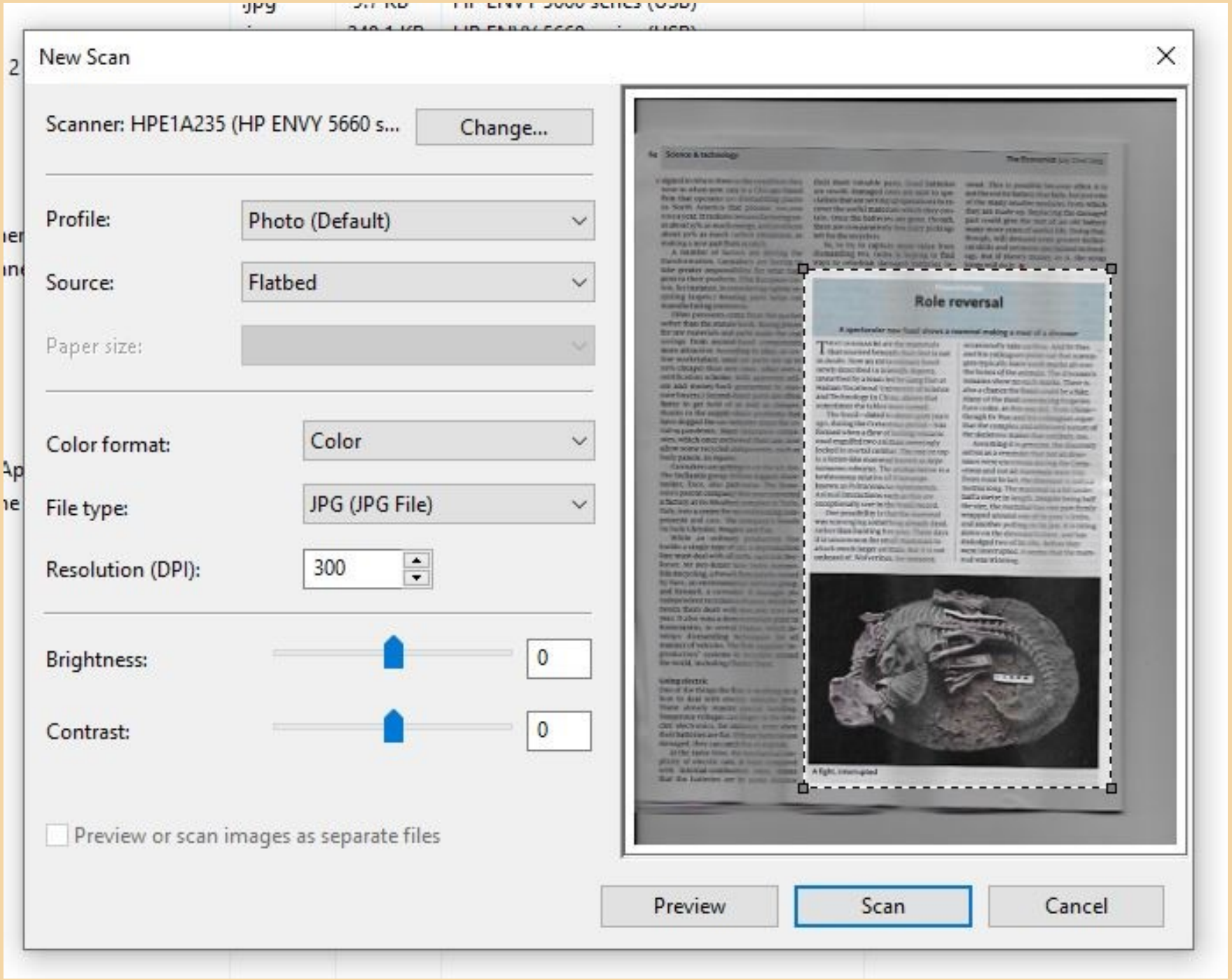
.jpg 9.7 KB HP ENVY 5660 series (USB)

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File type:
JPG (JPG File)
Resolution (DPI):
300
Brightness:
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Contrast:
0
Preview or scan images as separate files
Role reversal
Preview
Scan
Cancel

Final product

Palaeontology

Role reversal

A spectacular new fossil shows a mammal making a meal of a dinosaur

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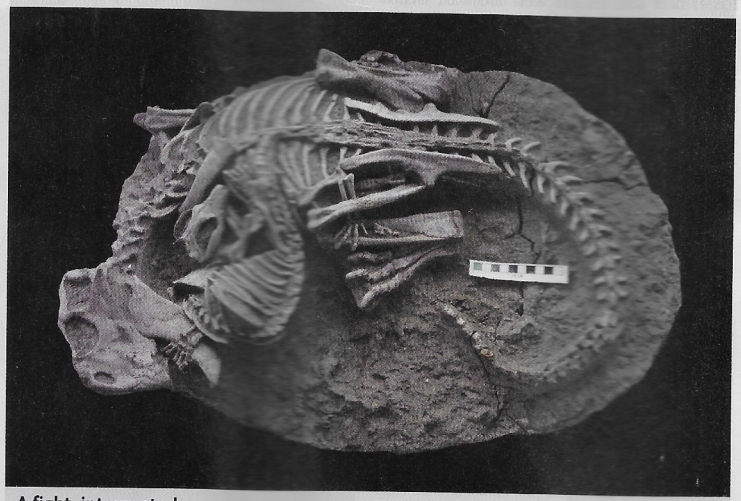
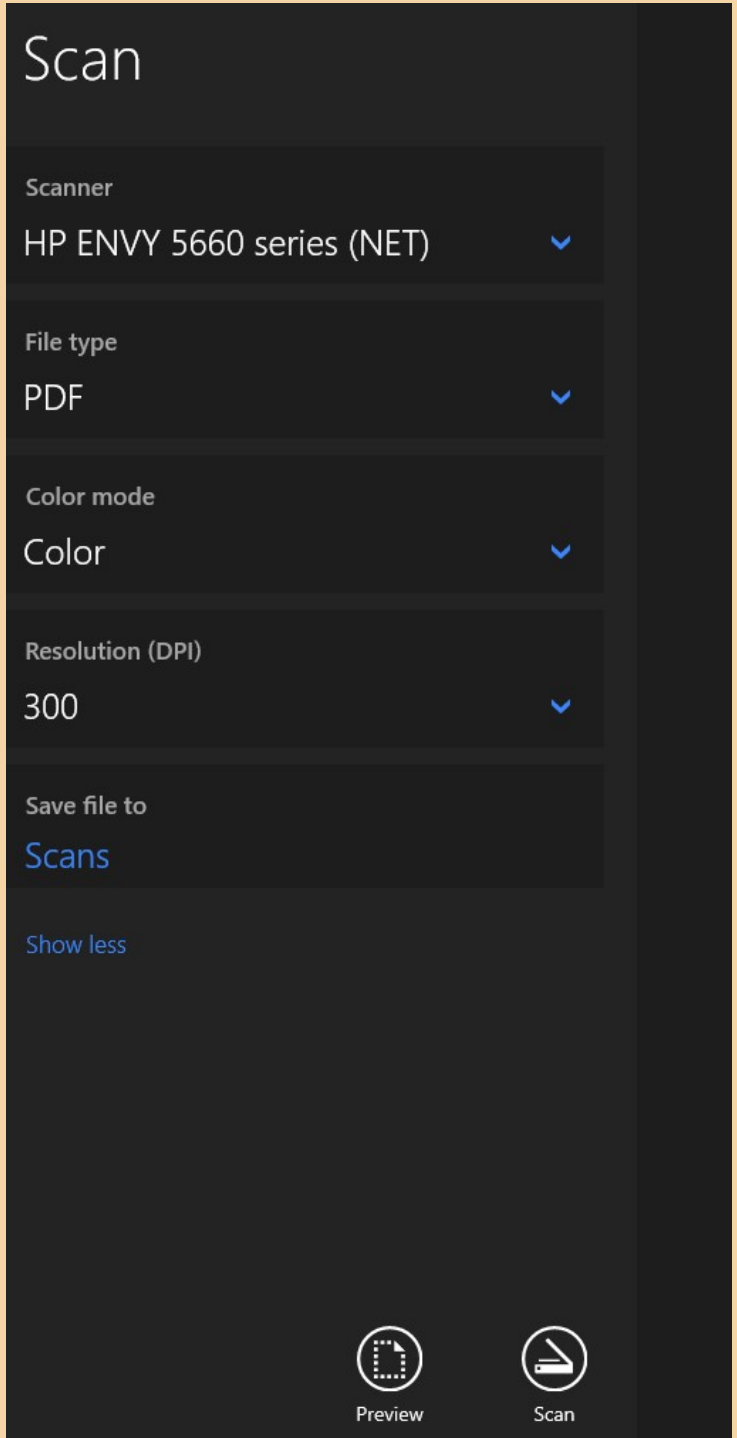


A fight, interrupted

Scanning Software Examples



"Scan" Software (Window 11)

Explanation

My Printer

Choice of Scan (See next slide – IMPORTANT)

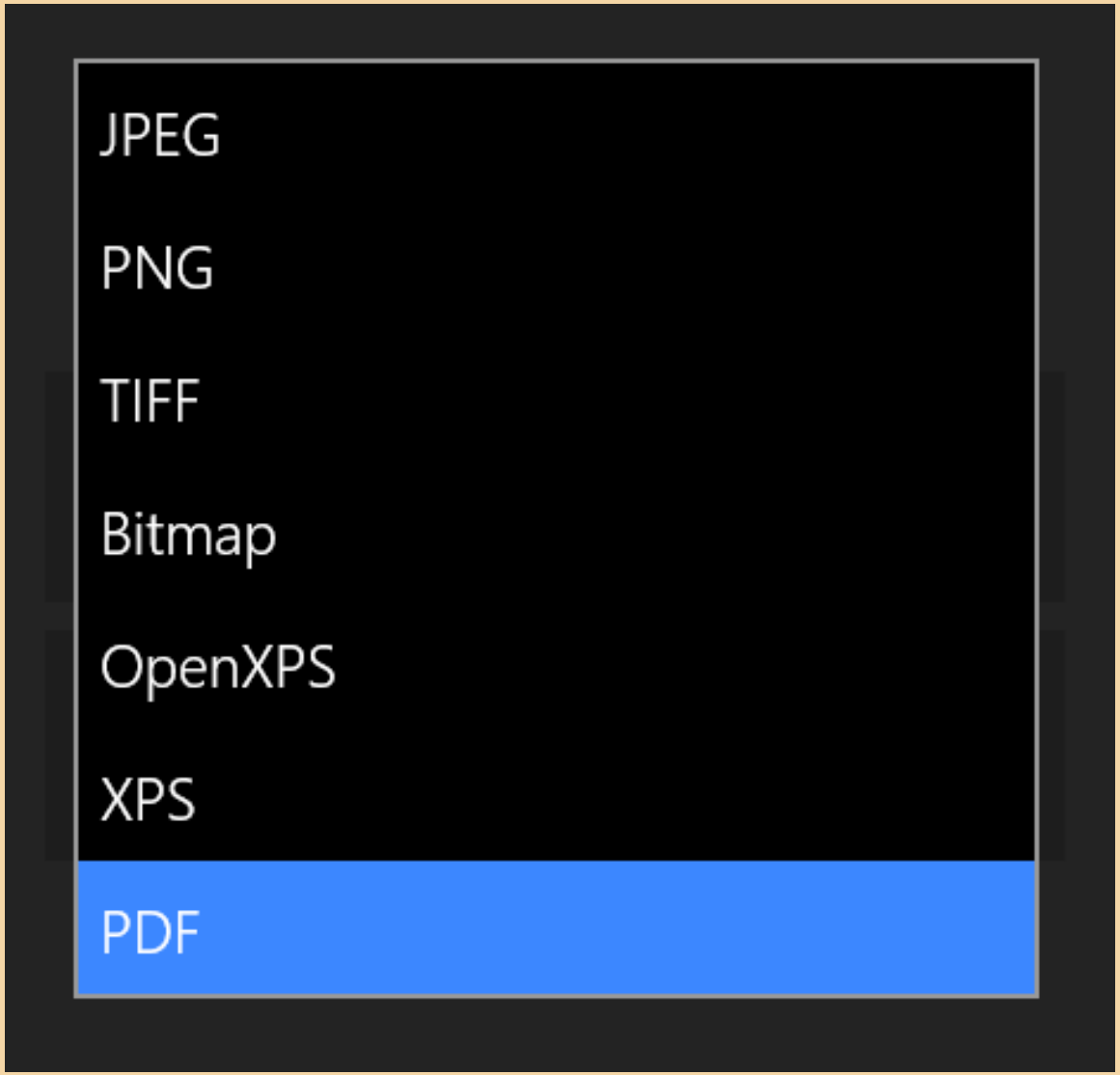
Color/Grayscale/Black & White

75 – 1200 (200 default) (I use 300)

Destination of scan in computer (Scans)

Preview (select less than a Page) or full Page

"SCAN" output formats, select 1



JPEG the most common to scan with

PNG, Tiff, Bitmap are other photo formats

OpenXPS, XPS & PDF are document formats and "editable".
I have most success with PDF format

Sample scan walk-through (JPG)

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signed to return them to the condition they were in when new. LKQ is a Chicago-based firm that operates 170 dismantling plants in North America that process 700,000 ELVs a year. It reckons remanufacturing uses about 15% as much energy, and produces about 30% as much carbon emissions, as making a new part from scratch.

A number of factors are driving the transformation. Carmakers are having to take greater responsibility for what happens to their products. (The European Union, for instance, is considering tighter recycling targets.) Reusing parts helps cut manufacturing emissions.

Other pressures come from the market rather than the statute book. Rising prices for raw materials and parts make the cost savings from second-hand components more attractive. According to eBay, an online marketplace, used car parts are up to 70% cheaper than new ones. (eBay uses a certification scheme, with approved sellers and money-back guarantees to reassure buyers.) Second-hand parts are often faster to get hold of as well as cheaper, thanks to the supply-chain problems that have dogged the car industry since the covid-19 pandemic. Many insurance companies, which once eschewed their use, now allow some recycled components, such as body panels, in repairs.

Carmakers are getting in on the act, too. The Stellantis group (whose biggest shareholder, Exor, also part-owns *The Economist*'s parent company) this year converted a factory at its Mirafiori complex in Turin, Italy, into a centre for reconditioning components and cars. The company's brands include Chrysler, Peugeot and Fiat.

While an ordinary production line builds a single type of car, a deproduction line must deal with all sorts, says Loïc Bey-Rozet. Mr Bey-Rozet runs Indra Automobile Recycling, a French firm jointly owned by Suez, an environmental-services group, and Renault, a carmaker. It manages 380 independent recyclers in France, which between them dealt with 600,000 ELVs last year. It also runs a demonstration plant in Romorantin, in central France, which develops dismantling techniques for all manner of vehicles. The firm supplies "deproduction" systems to recyclers around the world, including Charles Trent.

Going electric

One of the things the firm is working on is how to deal with electric vehicles (EVs). These already require special handling. Dangerous voltages can linger in the vehicles' electronics, for instance, even when their batteries are flat. If those batteries are damaged, they can catch fire or explode.

At the same time, the mechanical simplicity of electric cars, at least compared with internal-combustion ones, means that the batteries are by some distance their most valuable parts. Good batteries are resold; damaged ones are sent to specialists that are setting up operations to recover the useful materials which they contain. Once the batteries are gone, though, there are comparatively few juicy pickings left for the recyclers.

So, to try to capture more value from dismantling EVs, Indra is hoping to find ways to refurbish damaged batteries instead. This is possible because often it is not the entire battery that fails, but just one of the many smaller modules from which they are made up. Replacing the damaged part could give the rest of an old battery many more years of useful life. Doing that, though, will demand even greater technical skills and yet more specialised technology. But if there's money in it, the scrap kings will do it. ■

Palaeontology

Role reversal

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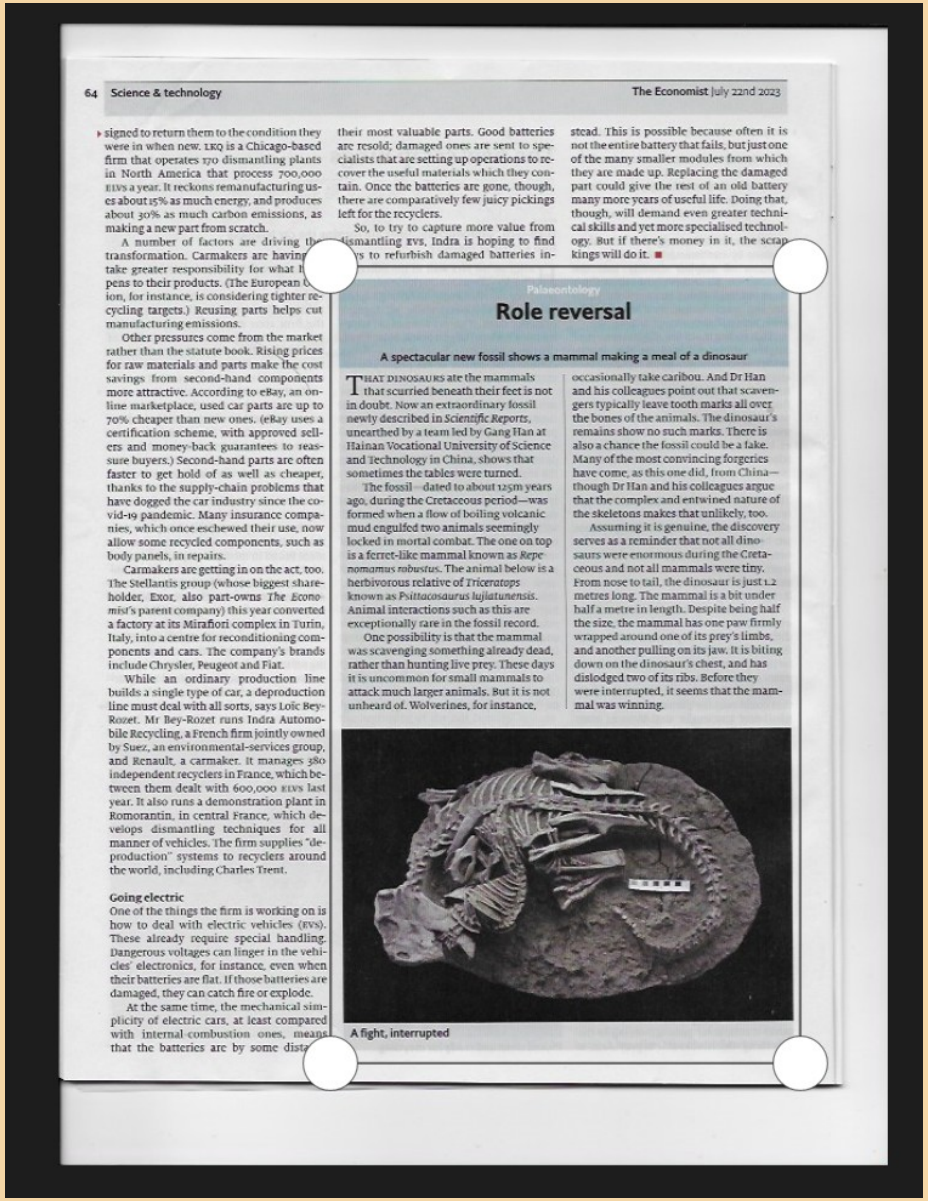
A fight, interrupted

Select item of interest



64 Science & technology The Economist July 22nd 2023

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A fight, interrupted

Scan Final

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A fight, interrupted

This is a Picture (JPG).

It cannot be edited for the words

Scan (Windows 11)

Repeat with same image
Select
PDF
SCAN

Walk-through (PDF)

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Looks the same, (PDF)

Should be editable?

Another Software Example

HP Scan & Capture

HP Scan and Capture

HP ENVY 5660 series (Network)

Capture Photos

Capture photos and images.

Capture Documents

Capture pages of document, pages of a brochure or presentation.

Why PDF files are important

- Resistance to changes being made to your document.
- Adobe
- *All or parts can use "Cut & Paste" From pdf to Doc*

More clients can read (.PDF) files.

example:

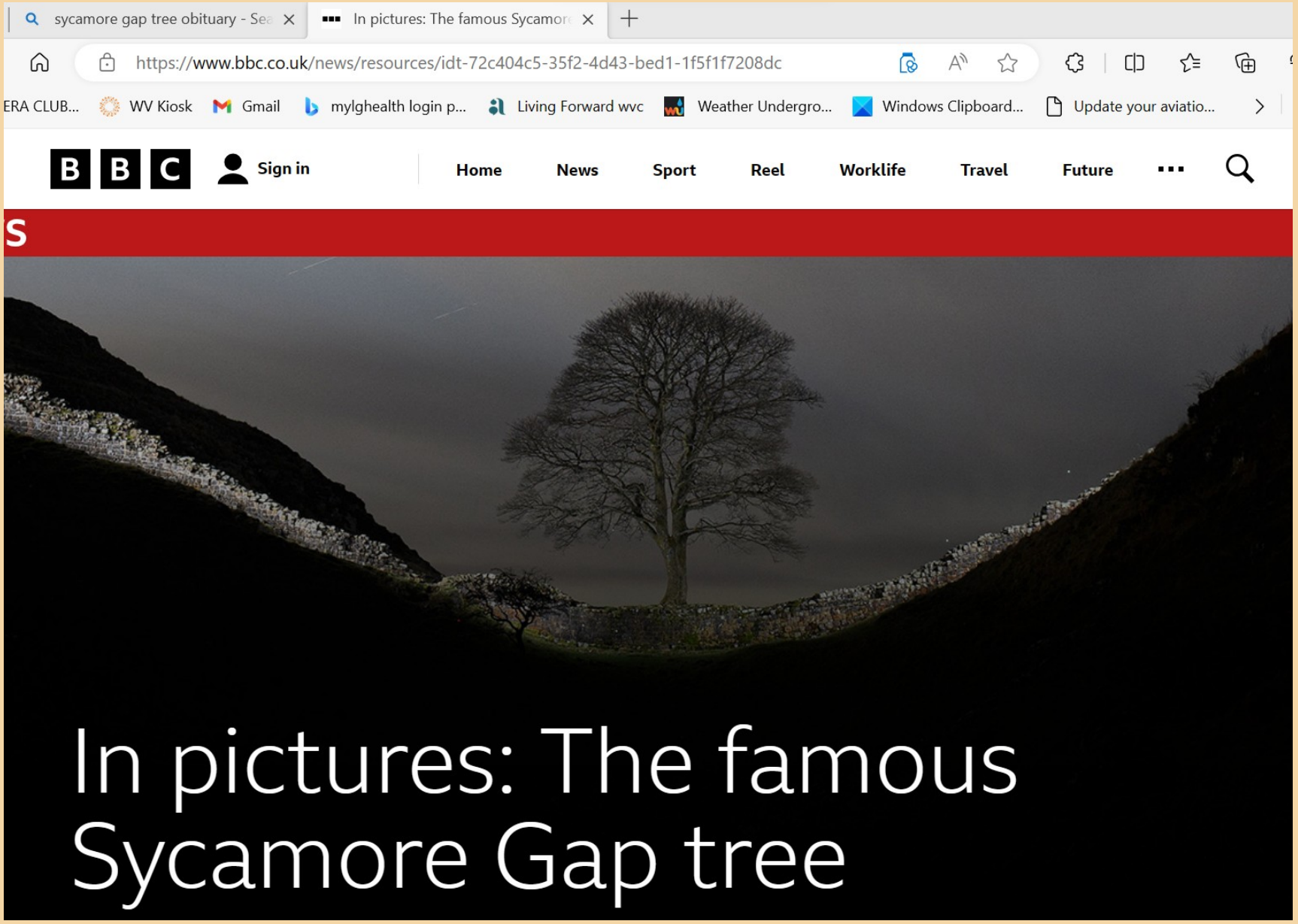
1. You need to share a document with a group of people.
2. You created the document in Word, or Open Office, or Libre Office.
3. Distribute to the group
4. Several of the group tell you they cannot open the document.
5. They probably do not have compatible software.
6. Before sending out your word document (.DOCX) output (export) as a (.PDF) and send out.
7. Most can now read it. And a "PDF reader" is free.

Regular Genealogy Task

Newspaper

Obituaries

Obituary, The Sycamore Gap Tree



Sycamore Gap Tree

Hadrian's Wall, UK

Economist Oct 7th, 2023

HP Scan and Capture

HP ENVY 5660 series (Network)

Capture Photos

Capture photos and images.

Capture Documents

Capture pages of document, pages of a brochure or presentation.

The Economist October 7th 2023

Beauty been

The Sycamore Gap tree was felled maliciously on September 28th, aged around 300

GARDENERS OFTEN think unfondly of sycamores. These are big, resilient, untidy trees, relatively recent arrivals, and of careless habits. Their winged seeds, and the tough little seedlings that sprout from them, spread everywhere they can. One such seedling was determined enough to drive its taproot through thin marshy topsoil into the dark, crystalline dolerite of Whin Sill, the cliff-like ridge in Northumberland which carries Hadrian's Wall. And there, over two or three centuries, it grew.

Being a sycamore, it liked to cluster, and also to sow offspring round about. It seems that for a time the tree on Whin Sill had others growing close, with which its roots and its canopy could correspond. But gradually these disappeared. The natural dip in the landscape there gave protection of a sort. More important, the tree now had space to grow into the most beautiful shape possible for sycamores, with a rounded dome on a trunk slightly twisting, lovely as a cedar of Lebanon. Long before, when it was still germinating, 18th-century gardeners with parks to plan put in well spaced sycamores for that reason.

Unlike other members of the genus *Acer*, it did not put on a blazing autumn display. Its big five-lobed leaves, with their irregular notching, merely turned a crumpled brown. No one minded. It was where and how it stood that drew crowds to the Steel Rigg car park and a good 20 minutes of perilous ascents and descents, to get a sighting. It was photographed in snow, mist and starlight, at sunrise and under the northern lights. It posed exquisitely. In 2016 it was voted England's Tree of the Year, and the next year it came fifth in the European league, when the winner was a far less prepossessing Polish oak called Jozef.

The sycamore was also snapped on thousands of ordinary phones. It had star billing when the Potters came to celebrate a 60th birthday, with the birthday girl in a gold sash and the spaniels behaving for once; when the Courage family gathered for Christmas, all in their wellingtons, shouting in triumph; when Lee proposed to Hayley and Brendan proposed to Sinead, kneeling awkwardly among the rocks and roots, and when miscellaneous walkers and rain-refugees brought out their pork pies and Kit-Kats. Not a few went on to the Twice Brewed pub where the beer was called Sycamore Gap, with the tree's portrait on the bottle. It was left alone then to the stars, and the quietly munching sheep.

Dramas happened to the sycamore, too. When "Robin Hood, Prince of Thieves" was filmed there in 1991 a henchman of the local lord, in chain-mail and metal helmet, almost took an axe to it. It was saved by Kevin Costner shouting "This is my land, and my tree!" before pinning the henchman to the ground with his sword. A narrow shave. Mr Costner roughly proved his "ownership" by breaking off leaves as he passed, but the sycamore had the last word, effortlessly upstaging the star as he trudged up the hill away from it, an ant beside its glorious silhouette.

There were other excitements. In 2003 a helicopter filming a nature documentary crashed 100 feet away, threatening to explode; the tree was unperturbed. At another point, during filming for a television crime drama, it was surrounded by police cars. So locals imagined there might be another episode in the making when, on the morning of September 28th, they saw police round the sycamore again. But the tree was down. It lay awkwardly across the Wall, its severed stump shockingly white where it had been sliced with a 28-inch chainsaw.

Technically, it still lived. The stump, remarkably healthy, was in the ground, the roots taking in water. But the water had nothing to flow to. As word spread, people gathered again, this time in a state of grief and disbelief. Some laid flowers, before the crime tape kept them out. One young man came with a sycamore sapling bought in a garden centre, planting it as close as he could to the right place. The National Trust removed it. Foresters said the stump could be coppiced, with new shoots sprouting, but after many, many years it would still be no more than a bush. The tree, as everyone knew it, could not be saved.

The sycamore had not officially been a sacred or magic tree. It was a locus of calm and deep summer shade; stargazers liked to gather there, and it bore, said the Bishop of Newcastle, "a pastoral load" of the worries and pain of local folk. It was the guardian of a place where people scattered ashes and painted pebbles inscribed with "Love you 4 ever Mum xx". But it was not tied with ribbons or haunted by druids; it was just "our tree". Nonetheless, on social media its felling seemed like sacrilege. First, it had hurt Northumberland and Northumbrians, tearing a hole in their hearts, killing some elemental spirit of the county, as badly as if someone had destroyed the Tyne Bridge. It had taken their symbol and their pride away. The gap left was immeasurable.

The felling had also outraged some numinous power of nature. Several social posts mentioned the story of Erysichthon, King of Thessaly, who felled the sacred grove of the harvest-goddess Demeter to build himself a feast hall. Her favourite poplar felt the blows of the double axes first. Erysichthon did not escape, however; Demeter afflicted him with such insatiable hunger that he ended by devouring himself. In Irish tradition, too, anyone who cut an ash would have his house consumed by fire. Similar thoughts of awful retribution were voiced against whoever had ventured out, on a night of raging storm and a full moon, armed with white paint to mark the place for the blade, to fell the sycamore. "Beware the wrath of nature," one tweet ran.

More people, though, dwelt on absence. What they felt was perhaps best expressed in Gerard Manley Hopkins's "Binsey Poplars", addressed to favourite trees felled in Oxford in 1879:

> O if we but knew what we do
> When we delve or hew—
> Hack and rack the growing green!...
>
> After-comers cannot guess the beauty been.

Picture (JPG)

No further action except Save, Insert into a document or Print.

END

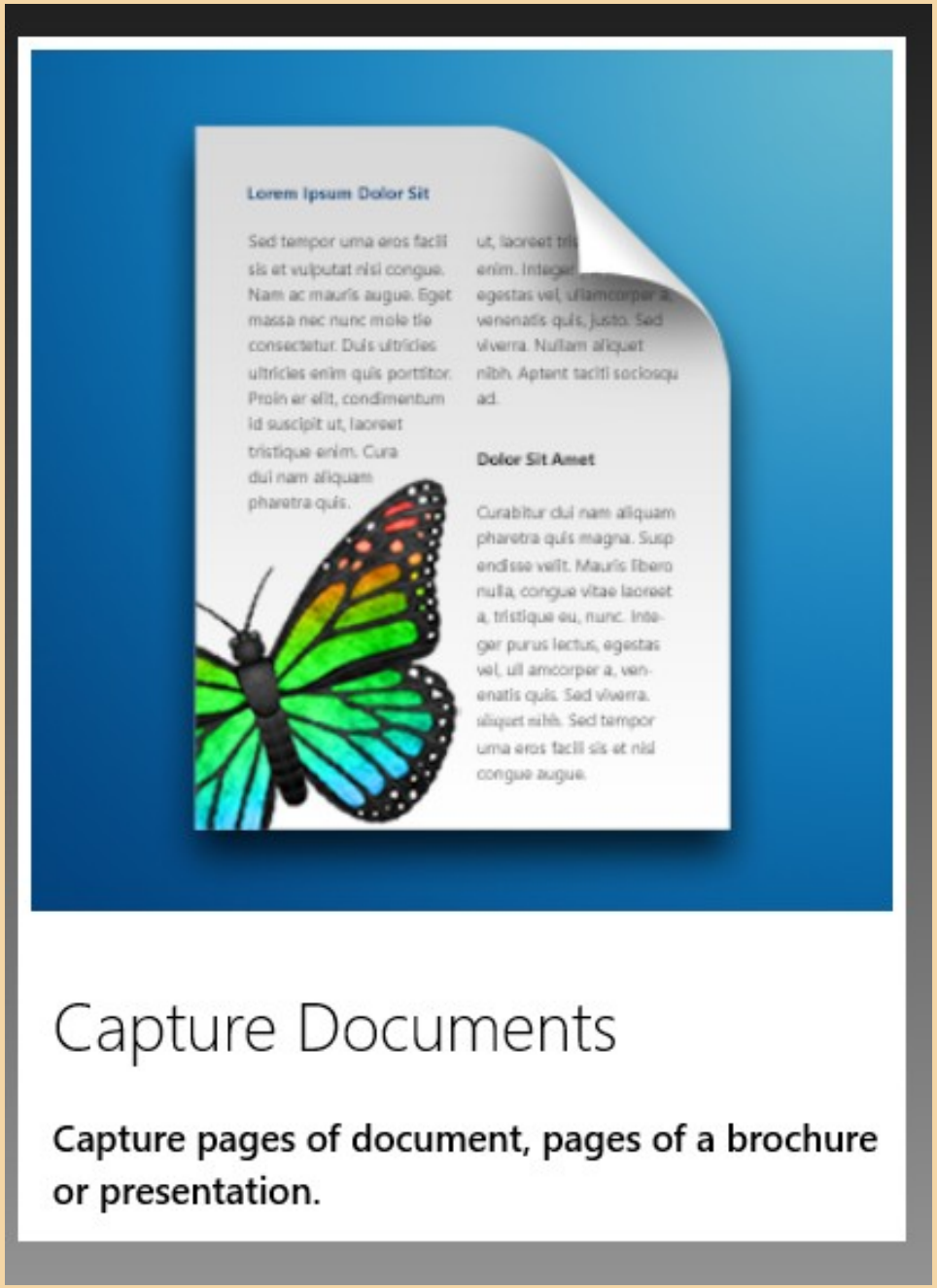
PDF

"Portable Document Format.“

PDF is a file format developed by Adobe in 1992

widely used format for saving and exchanging documents. A PDF file can store a wide variety of data,

- including formatted text, vector graphics, and raster images.
- It also contains page layout information, which defines the location of each item on the page, as well as the size and shape of the pages in the document.
- This information is all saved in a standard format, so the document looks the same, no matter what device or program is used to open it.
  For example, if you save a PDF on a Mac, it will appear the same way in Windows, Android, and iOS.
- The PDF may also be encrypted so only authorized users can open them



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OCR (Extract text from image)

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Save As Word Documents (*.docx)

Advanced Mode

Convert

Beauty been

The Sycamore Gap tree was felled maliciously on September 28th, aged around 300

GARDENERS often think unfondly of sycamores. These are big, resilient, untidy trees, relatively recent arrivals, and of careless habits. Their winged seeds, and the tough little seedlings that sprout from them, spread everywhere they can. One such seedling was determined enough to drive its taproot through thin marshy topsoil into the dark, crystalline dolerite of Whirr Sill, the cliff-like ridge in Northumberland which carries Hadrian's Wall. And there, over two or three centuries, it grew.

Being a sycamore, it liked to cluster, and also to sow offspring round about. It seems that for a time the tree on Whirr Sill had others growing close, with which its roots and its canopy could correspond. But gradually these disappeared. The natural dip in the landscape there gave protection of a sort. More important, the tree now had space to grow into the most beautiful shape possible for sycamores, with a rounded dome on a trunk slightly twisting, lovely as a cedar of Lebanon. Long before, when it was still germinating, 18th-century gardeners with parks to plan put in well spaced sycamores for that reason.

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Column Break

After use of PDFGEAR, the document looks like a Word document.

Can "Cut & Paste"

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Another software example

Adobe Scan

Smart Phone
Computer

SMART SCANNING

Some of today's best scanners fit in the palm of your hand. Learn about the eight top smartphone scanning apps that can help you digitize family photos and documents.

by RICK CRUME

ADOBE STOCK

Smartphones combine the functionality of multiple devices: a telephone, camera (both still-photo and video), calculator, GPS-tracking unit, computer and flashlight. Now you can add another gadget to that list: scanner.

In fact, a scanning app could replace a desktop scanner altogether. Maybe you want to scan a fragile document, an old family Bible or a picture that's too big for a traditional scanner. When using a scanning app, you don't have to hold items flat and risk damaging them. And you can hold your smartphone a little farther away to get a large object in the picture.

Of course, you could simply use your smartphone's camera. But it can be hard to line up a photo or document properly and get the lighting right. A scanning app can help you with that, guiding you to take pictures at the right angle and offering cropping. Dedicated scanning apps might also allow you to save pictures in various file formats: typically, images of photos as JPGs and of documents as PDFs. The latter format allows you to save multiple images as one document.

Mobile scanning apps come in handy—and not just when you're away from home without access to a flatbed scanner. Here's a rundown of the key features of four scanning apps, plus another four specifically designed to work with the big genealogy websites. All of these apps are free (or at least have a free version), and all work with both iOS and Android devices.

STANDALONE SCANNING APPS

Adobe Scan

<www.adobe.com/acrobat/mobile/scanner-app.html>

One of the best smartphone apps for scanning documents and books, Adobe Scan is primarily used for saving scans as PDF files.

You can scan multiple pages in succession and save them to a single PDF. That means you can keep all pages of documents like letters or family Bibles together in the same file.

To scan a two-page typewritten letter, I chose Document as the type. The app automatically cropped the pages, and the result is just as good as I'd get with a flatbed scanner.

Scanning a birth record, I again chose Document as the type. The resulting file has sharp text that's true to the original colors. Instead of retaining the cream-colored look of the old paper, however, the app cleaned up the background so it's pure white. That's good if you want to make a record look like new, but it's not ideal if you want to capture the look of an old document with all its imperfections.

To use the book-scanning option, line up your camera to scan two facing pages. Adobe Scan detects the pages on the left and the right and scans them separately. That saves time. You can also select the option for Book, rather than the default, Document.

Adobe Scan automatically recognizes text in your scans, whether the source is typewritten pages or books. That means you can easily search, copy and paste text in the new PDF files.

Your scans are saved to Adobe's cloud storage. The premium version of the app can export scans to other formats (including Microsoft Word and Excel files) and compress large files.

Google PhotoScan

<www.google.com/photos/scan>

Geared more toward scanning pictures than documents, Google PhotoScan saves files only in JPG format, not PDF.

After taking four pictures of the subject from different angles, Google PhotoScan stitches them together to create the best image possible. In the process, it removes glare, aligns the edges of the image, and crops it.

In my tests, the scanned birth record accurately reflects the original document's colors. However, the photo scans turned out too light, and scans of both photos and documents appeared a little less sharp than the same scans made with other apps.

As part of the Google family, PhotoScan provides multiple options for sharing scanned images with other applications: Google Drive, Google Photos and Gmail.

Best Scanning App for Photos: Photomyne

Photomyne produced the best scans from photos of any app in this roundup, and the app packs in a host of photo-editing tools.

ADOBE STOCK

Mobile Scanning Apps: What to Consider

- **Type of files to be scanned:** Photos or documents? Multi- or single-page? PhotoScan and Photomyne are better for photos and fine for single-page documents, but Microsoft Lens and Adobe Scan are better for multi-page documents like books.
- **Compatibility:** Do you work more in Google Drive or Microsoft apps? Do you primarily use one genealogy website over another?
- **Cost:** The apps in this article are mostly free, but some charge for certain features.
- **Bonus features:** Text-recognition, saving/exporting as files besides PDF and JPG, etc.

Microsoft Lens
<bit.ly/microsoft-lens-page>
An app for scanning pictures, documents and books, Microsoft Lens lets you save scans in a variety of file formats, including JPG, PDF, Word and PowerPoint.

This app produces high-quality scans with accurate colors, comparable to most of the other apps reviewed here. After scanning an item, you can apply filters, crop the image, rotate it and add text. The app has handwriting recognition, but it wasn't very accurate in my limited testing.

To scan pages from a book, I selected Document as the type. Microsoft Lens scans one page at a time and can save a series of pages in a single PDF file. The text should have been recognizable in the PDF file, but it wasn't. So I used iLovePDF's OCR PDF <www.ilovepdf.com> on the file so the text could be searched and copied.

Microsoft Lens can extract text from the captured image and save it in a Word file in your OneDrive account. To do so, select the Word option, which applies optical character recognition (OCR) to an image of printed text. That worked for me.

Options for exporting files include OneNote and OneDrive. Open a file with the Drive PDF viewer, and you can save it to Google Drive or share via Gmail.

Compared to Microsoft Lens, I found Adobe Scan easier to use and more reliable for capturing and recognizing printed text.

Photomyne
<www.photomyne.com>
One of the best apps for scanning photos, Photomyne produced the sharpest scans of any app in my tests. It saves files only in JPG format, not PDF. Photomyne can scan multiple photos at once (including multiple photos on an album page) and automatically crop them. But you'll get better results scanning just one picture at a time.

Of all the apps in this roundup, Photomyne provides the most photo-editing tools. You can rotate an image, colorize it, change color to black-and-white, increase the contrast, and change a black-and-white photo to sepia. You can also sharpen faces and even animate them using "Live Portrait." In addition, you can label a photo with the date and location, add voice captions and tag faces.

The free version of Photomyne has ads. The premium version removes ads and has more features, such as unlimited scanning and sharing albums online.

Photomyne has separate apps for digitizing slides and negatives, and the company sells scanning accessories such as phone mounts and backlights for scanning slides and negatives.

SCANNING APPS FOR THE BIG GENEALOGY WEBSITES

Ancestry App
<www.ancestry.com/cs/ancestry-app>
The Ancestry App gives you access to just about all the features on Ancestry.com from your mobile device. In addition to building your family tree, searching historical records and accessing your DNA test results, you can scan photos and documents and attach them to profiles in your Ancestry Member Tree.

The app's scanning feature (powered by Photomyne) was in beta when I tested it, but here's how it should work: Go to a person's gallery and click on the + icon to add a new item. From the options, select Scan Photos. Press the shutter button and the app takes a photo, crops the image and saves a JPG file to the person's gallery.

Once it's added to the gallery, tap an image to edit it. Below the image, tap the pencil icon to crop, colorize and sharpen it and make other adjustments. Tap the person icon to add tags, the rectangular icon to add comments and the i in a circle to add a title, date, location and description.

You can also add audio. From the gallery's + icon, you can record or upload audio from your device—either your own recorded discussion of your research or audio of the person speaking.

> Learn how to organize all your digital images with these tips <www.familytreemagazine.com/organization/organizing-and-preserving-digital-photos>.

Best Scanning App for Documents and Books: Adobe Scan

Adobe Scan makes it easy to scan documents and books, then save them as multipage PDF files and convert them to searchable text.

FamilySearch Memories
<www.familysearch.org/mobile-apps>
FamilySearch actually has three mobile apps: one each for its Family Tree (see page 26), volunteer indexing, and sharing photos and memories.

In the latter, the Memories app, click the plus sign in a blue circle to add a new item. Then select from four options: Add Document, Write Story, Record Audio or Add Photo. Select either Add Document or Add Photo and you can take a new picture or select a file you've already submitted.

Take a new picture (Add Photo > Take Photo) and it will be added to your gallery as a JPG file where you can add a title, date, place and description. You can also tag faces in photos and add names to documents to link them to profiles in the FamilySearch Family Tree. Then you can organize Memories into albums, for example, for different branches of your family.

I really like how photos are displayed and how you can share Memories and albums via social media, email and links. I talked about using FamilySearch Memories in my article on storytelling tools at the Big Four genealogy websites <www.familytreemagazine.com/projects/online-tools-sharing-family-photos-stories>.

Findmypast App
<www.findmypast.co.uk/blog/getting-started/findmypast-app>
The Findmypast app lets you view and edit your family tree and search historical records—and add photos and documents.

To add a new picture or document, go to a person's profile in your family tree, tap Media > Add New Image. Then select Face to take a picture of people and save it as a JPG file. It will take a moment to detect the faces, then you can tag them. Select Text to take a picture of a document or something with text.

I took a picture of a gravestone with multiple names, and the app accurately transcribed them. I could tag the picture with names to link it to profiles in my family tree.

You can also add a title, description and location to images captured by the app. Options when you click on Share include Google Drive, OneDrive and Gmail.

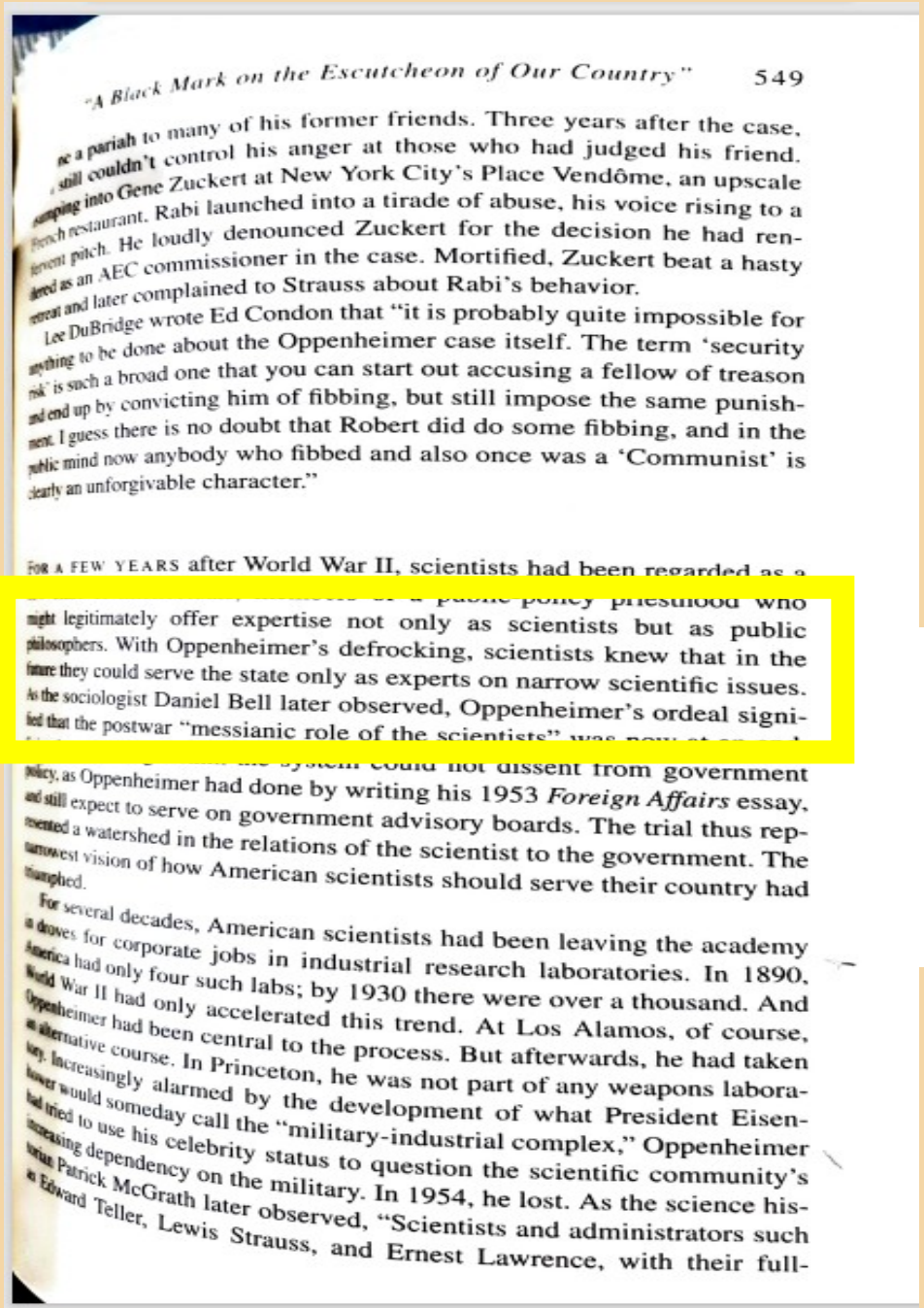
MyHeritage App
<www.myheritage.com/mobile>
Using the MyHeritage App, you can edit your family tree, search historical records, check your DNA results and add photos.

To scan a new item, tap the three bars at the upper left, select the down arrow beside Photos, then hit Scan Photos & Docs. A light-red field will appear over the item; press the shutter icon to scan that highlighted section, then adjust the corners of the image.

After taking a picture, you can crop it and upload to MyHeritage. Then tap to add a title, date, place and description, or record a related audio snippet. You can also tag people from your family tree.

You can also take advantage of the extensive set of photo-editing tools on MyHeritage to repair and colorize the photo and sharpen faces. A slider allows you to view versions of photos both before and after some tools are applied.

A reluctant convert to smartphones, Contributing Editor **Rick Crume** has belatedly come to recognize their usefulness. He specializes in online research, genealogy software, British genealogy and DNA testing.



"A Black Mark on the Escutcheon of Our Country" 549

ne a pariah to many of his former friends. Three years after the case, still couldn't control his anger at those who had judged his friend. ounging into Gene Zuckert at New York City's Place Vendôme, an upscale rench restaurant. Rabi launched into a tirade of abuse, his voice rising to a ervent pitch. He loudly denounced Zuckert for the decision he had ren- dered as an AEC commissioner in the case. Mortified, Zuckert beat a hasty retreat and later complained to Strauss about Rabi's behavior.

Lee DuBridge wrote Ed Condon that "it is probably quite impossible for anything to be done about the Oppenheimer case itself. The term 'security risk' is such a broad one that you can start out accusing a fellow of treason and end up by convicting him of fibbing, but still impose the same punish- ment. I guess there is no doubt that Robert did do some fibbing, and in the public mind now anybody who fibbed and also once was a 'Communist' is clearly an unforgivable character."

FOR A FEW YEARS after World War II, scientists had been regarded as a

night legitimately offer expertise not only as scientists but as public philosophers. With Oppenheimer's defrocking, scientists knew that in the future they could serve the state only as experts on narrow scientific issues. As the sociologist Daniel Bell later observed, Oppenheimer's ordeal signi- fied that the postwar "messianic role of the scientists" was

olicy, as Oppenheimer had done by writing his 1953 *Foreign Affairs* essay, and still expect to serve on government advisory boards. The trial thus rep- resented a watershed in the relations of the scientist to the government. The narrowest vision of how American scientists should serve their country had triumphed.

For several decades, American scientists had been leaving the academy in droves for corporate jobs in industrial research laboratories. In 1890, America had only four such labs; by 1930 there were over a thousand. And World War II had only accelerated this trend. At Los Alamos, of course, Oppenheimer had been central to the process. But afterwards, he had taken an alternative course. In Princeton, he was not part of any weapons labora- tory. Increasingly alarmed by the development of what President Eisen- hower would someday call the "military-industrial complex," Oppenheimer had tried to use his celebrity status to question the scientific community's increasing dependency on the military. In 1954, he lost. As the science his- torian Patrick McGrath later observed, "Scientists and administrators such as Edward Teller, Lewis Strauss, and Ernest Lawrence, with their full-

Adobe Scan on Smart Phone (Android)

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Print PDF

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PDF to Word
JPG to PDF
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A Full-featured PDF Converter

PDFgear supports converting 20+ file formats to PDF, PDF/A & TIFF - doc(x), xls(x), ppt(x), msg, outlook email on Windows and Mac operating systems. Convert PDFs to editable files, including Microsoft Word, Microsoft Excel, and Microsoft PowerPoint, or convert Microsoft 365 files to PDFs without any formatting loss. Images, website pages to PDFs and vice versa are available too.

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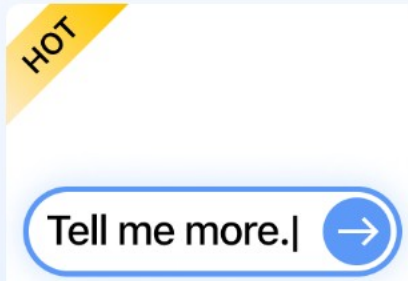

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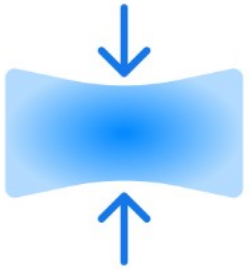

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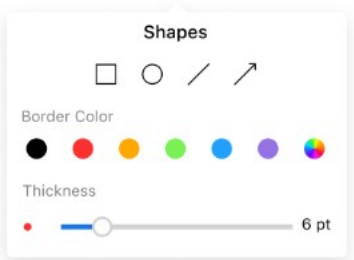
Convert PDFs



Annotate PDFs

Sign PDFs

OCR PDFs

Organize PDFs

Print PDFs

Fill Out PDF Forms

Explore PDFgear All Features>>

OCR

- **Define.**
- OCR is Optical Character Recognition. This would be an APP.

- **Comment**
- I have not seen too much use for this app.
- My old Canon Flatbed Scanner included this. (good with Text)
- If the document of interest is text, then I can work on it.
- If the Document is script, then OCR app may be of help.
- **I would use a Picture and translate it myself**

Voice Input

- This could be very useful. But I do not use it very often
- Smart phone: Voice recording to Text

- I think it would work best for me in generating a long text document (a book).
- Most of my typing (poor), seems to be short paragraphs or notes
- This needs lots of formatting and rethinking.
- And thus, lots of errors or corrections to my Voice input.
- Needs lots of practice to produce good documents
- Capturing notes from a meeting, mixed results

- My professional friends use 3rd party Apps such as Dragon

VR Voice recording.

Record on a smart phone,

Convert to document

Summary

- Scanning is an important function for any complex project by computer.

Your Genealogy work would benefit by learning about Scanning:
Effectively Free

Versatility
Ease of use.

Discussion

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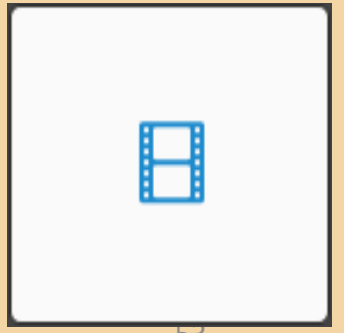

Brothers and Sisters
have I none
but That Man's Father
Is my Father's Son

THE END