

SCANNING AND DIGITAL IMAGING WORKSHOP

Scanning and Digital
Imaging Workshop



19 June 2011

Overview of Workshop

- Introduction to Scanning & Digital Imaging
- Scanning Demonstrations and File Types
- Photo Restoration
- Lunch & Informal Discussions
- Preparing Images for use in your Genealogy Program
- Scanning Tintypes and old Photographic Media
- Simple Videos for the Web

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INTRODUCTION TO SCANNING & DIGITAL IMAGING

Graeme Simpson

Whither Digital Images ? (1)

- Traditionally came from Scanning Images
 - This used to be “The Scanning Workshop”
 - Still a significant source for genealogists
 - You create the digital image - have to make choices
- Digital Still Cameras now a significant source
 - Easy to takes lots of pictures, use the ones you want
 - Also useful for copying documents and pictures
 - Megapixels and features increasing as prices decrease
 - Will be covered in greater detail later on this afternoon
- Mobile Phones have cameras too
 - Many Megapixles (eg 5-8) very small lens => noise

Whither Digital Images ? (2)

- Digital movie cameras
 - video images/clips
 - can also take still pictures but at a lower quality
- Images from/via the Web
 - Census, Vital records, Wills etc
 - Scotlandspeople - BDMs - small (<100k) TIFF file
 - Wills large (~1M) colour TIFF file
 - Documents on line (England) - ~1M (6 page PDF file)
 - Ancestry.Com Census - large (~600k) JPG file
 - Ancestry.Com Norfolk Baptism - large (~1M) JPG file

Parish or Township of <i>H files</i>		Ecclesiastical District of		City or Borough of <i>Reading</i>		Town of		Village of		Whether Blind or Deaf
Name of Street, Place, or Road, and Name or No. of House	Name and Surnames of each Person who abode in the house, on the Night of the 30th March, 1861	Relation to Head of Family	Condition	Age of		Rank, Profession, or Occupation	Where Born			
				Male	Female					
<i>40</i> <i>Queens Road</i>	<i>William Whitworth</i>	<i>Head</i>	<i>Widow</i>	<i>42</i>		<i>Capt. Retired - Banks R^g Militia</i>	<i>Banks</i>	<i>Reading</i>		
	<i>Jane P. Do.</i>	<i>Wife</i>	<i>U</i>	<i>42</i>			<i>Do</i>	<i>Do</i>		
	<i>Emma Gasston</i>	<i>Serv</i>	<i>U</i>	<i>23</i>		<i>House Servant</i>	<i>N</i>	<i>N</i>		
	<i>Mary Standly</i>	<i>-</i>	<i>U</i>	<i>55</i>		<i>Widow</i>	<i>N</i>	<i>N</i>		
<i>41</i> <i>Queens Road</i>	<i>John Allcott</i>	<i>Head</i>	<i>Widow</i>	<i>43</i>		<i>Owner & Peddler. Employed by the</i>	<i>Banks</i>	<i>Chesham</i>		
	<i>Elizabeth S. Do.</i>	<i>Wife</i>	<i>Widow</i>	<i>34</i>			<i>Banks</i>	<i>Reading</i>		
	<i>Marjaret S. Do.</i>	<i>Wife</i>	<i>U</i>	<i>14</i>		<i>Scholar at home</i>	<i>Do</i>	<i>Do</i>		
	<i>William H. Do.</i>	<i>Son</i>	<i>U</i>	<i>13</i>		<i>Scholar</i>	<i>Do</i>	<i>Do</i>		
	<i>Jane H. Do.</i>	<i>Daughter</i>	<i>U</i>	<i>12</i>		<i>Scholar at home</i>	<i>Do</i>	<i>Do</i>		
	<i>John H. Do.</i>	<i>Son</i>	<i>U</i>	<i>11</i>		<i>Scholar</i>	<i>Do</i>	<i>Do</i>		
	<i>Ann Smith</i>	<i>Servant</i>	<i>U</i>	<i>34</i>		<i>House Servant</i>	<i>Wants</i>	<i>Salisbury</i>		
<i>42</i> <i>Golden Parsonage Queens Road</i>	<i>Mary Haws</i>	<i>Head</i>	<i>Widow</i>	<i>84</i>		<i>Prover & Churnwoman</i>	<i>Wants</i>	<i>Southampton</i>		
	<i>Maria Do.</i>	<i>Daughter</i>	<i>U</i>	<i>40</i>		<i>Prover</i>	<i>Middlesex</i>	<i>London</i>		
	<i>John Dixon</i>	<i>Nephew</i>	<i>U</i>	<i>16</i>			<i>Wants</i>	<i>Gravesend</i>		
	<i>Samuel Clement</i>	<i>Head</i>	<i>Widow</i>	<i>83</i>		<i>Commonly Baker</i>	<i>Banks</i>	<i>Reading</i>		
<i>43</i> <i>1. Hills Bridge</i>	<i>Samuel Do.</i>	<i>Son</i>	<i>Widow</i>	<i>50</i>		<i>Bricklayer Joiner</i>	<i>Do</i>	<i>Do</i>		
	<i>Elizabeth Do.</i>	<i>Wife</i>	<i>Widow</i>	<i>52</i>		<i>Laundress</i>	<i>Do</i>	<i>Do</i>		
	<i>John Plumley</i>	<i>Head</i>	<i>Widow</i>	<i>23</i>		<i>Carpenter Joiner</i>	<i>Do</i>	<i>Do</i>		
	<i>Elizabeth Do.</i>	<i>Wife</i>	<i>Widow</i>	<i>24</i>			<i>Do</i>	<i>Do</i>		
Total of Houses	<i>140</i>		Total of Persons...		<i>8</i>	<i>13</i>				

Ancestry.com Census Image

BAPTISMS solemnized in the Parish of *Topscoth*
in the County of *Norfolk* in the Year 1827

When Baptized.	Child's Christian Name.	Parents Name.		Abode.	Quality, Trade, or Profession.	By whom the Ceremony was performed.
		Christian.	Surname.			
1827 June 3 rd No. 185.	George son of Phebe	George Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
June 3 rd No. 186.	Maria daughter of	Samuel Phebe	Marshall	Topscoth	Minister	J. W. Wilson rector
June 23 rd 1827 No. 187.	John son of	Samuel Phebe	Marshall	Topscoth	Minister	J. W. Wilson rector
July 1 st 1827 No. 188.	Maria daughter of	Samuel Phebe	Marshall	Topscoth	Minister	J. W. Wilson rector
July 22 nd 1827 No. 189.	William son of	James Phebe	Cook	Topscoth	Labourer	J. W. Wilson rector
August 1 st 1827 No. 190.	Charles son of	William Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
Sept 30 th 1827 No. 191.	Charlotte daughter of	Samuel Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
Oct 4 th 1827 No. 192.	George son of	William Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector

BAPTISMS solemnized in the Parish of *Topscoth*
in the County of *Norfolk* in the Year 1827

When Baptized.	Child's Christian Name.	Parents Name.		Abode.	Quality, Trade, or Profession.	By whom the Ceremony was performed.
		Christian.	Surname.			
1827 Nov 4 th No. 193.	Robert son of	William Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
March 10 th No. 194.	John son of	George Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
April 6 th No. 195.	Mary daughter of	John Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
May 11 th No. 196.	Mary daughter of	James Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
June 22 nd No. 197.	John son of	William Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
July 28 th No. 198.	Mary daughter of	William Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector
August 31 st No. 199.	George son of	David Phebe	Marshall	Topscoth	Labourer	J. W. Wilson rector

Ancestry.com Norfolk Parish Baptism Image

18 60 MARRIAGES in the parish of Aberdeen in the County of Tife

No.	When, where, and how Married.	Signatures of Parties.	Age.	Residence.	Rank or Profession, and Condition, (whether Bachelor or Widower, Spinster or Widow.) Relationship of Parties (if any.)	Name, Surname, and Rank or Profession of Father. Name, and Maiden Surname of Mother.	If a regular Marriage, Signatures of Officiating Minister and Witnesses.	If irregular, date of Extract Sentence of Conviction, or Decree of Declarator, and in what Court pronounced.
3	On the <u>sixth</u> day of <u>March</u> 18 <u>60</u> at <u>Almond Street Aberdeen</u> Marriage solemnized between us according to the Form of the Church of Scotland	(Signed) <u>Andrew Craig</u>	<u>32</u>	<u>Aberdeen</u> <u>T-j's</u>	<u>Mr. Keeper</u> <u>Bachelor</u>	<u>Robert Craig</u> <u>Ironkeeper deceased</u> <u>Ann Craig</u> Maiden name <u>Bell</u>	(Signed) <u>George Roddick</u> <u>Minister</u> (Signed) <u>Alexander Craig</u> <u>Witness</u>	
		(Signed) <u>Wm. R. Peacock</u>	<u>20</u>	<u>Aberdeen</u>	<u>Spinster</u>	<u>James Peacock</u> <u>Spaceman</u> <u>Margaret Peacock</u> Maiden name <u>Barr</u>	(Signed) <u>Ellie Mitchell</u> <u>Witness</u>	
The above Marriage was Registered by me at <u>Aberdeen</u> , on the <u>sixth</u> day of <u>March</u> , 18 <u>60</u> <u>James Pringle</u> Registrar.								
4	On the <u>ninth</u> day of <u>April</u> 18 <u>60</u> at <u>Aberdeen</u> Marriage solemnized between us according to the Form of the Church of Scotland	(Signed) <u>John Duncan</u> (Signed) <u>Margaret Litch</u>	<u>19</u> <u>21</u>	<u>Donibristle</u> <u>Colling</u> <u>Aberdeen</u> <u>Newton</u> <u>Abbotshale</u>	<u>Coalminer</u> <u>Bachelor</u> <u>Spinster</u>	<u>William Duncan</u> <u>Engineer</u> <u>Ann Duncan</u> Maiden name <u>Kilgour</u> <u>Andrew Litch</u> <u>Seaman</u> <u>Agnes Litch</u> Maiden name <u>Kilgour</u>	(Signed) <u>Kenneth Roddick</u> <u>Minister</u> (Signed) <u>George Roddick</u> <u>Witness</u> (Signed) <u>David Duncan</u> <u>Witness</u> (Signed) <u>Mary Litch</u> <u>Witness</u>	
The above Marriage was Registered by me at <u>Aberdeen</u> , on the <u>ninth</u> day of <u>April</u> , 18 <u>60</u> . <u>James Pringle</u> Registrar.								

ScotlandsPeople Marriage Certificate Image

thereon down to this date
 does not exceed three hundred
 pounds Sterling that confirmation
 of the said personal estate
 in Scotland in respect in
 favor of the Depoent all
 which is truth as the Depoent
 shall answer to God. And
 the said David Knox Stewart
 consents and concurs
 (signed) Ely Stewart
 " D.H. Stewart
 " James P. Currie.
 Comproves also M^{rs} Margaret
 Alice Smith & Hope Street
 Edinburgh and David Knox
 Stewart before designed who
 being sworn and examined
 severally Depone & know
 the above named Depoent
 and that she is the
 child of a predecessor
 next of kin of the
 said Depoent. All which
 is truth as the Depoents
 shall

shall answer to God.
 (signed) Margaret Alice Smith
 " D.H. Stewart

of " James P. Currie.
 for David Knox Stewart Esq^r p. 323

Sophia Elizabeth
 Ross or Dochara

Stamp 299

Testate

29 July 1893

At Edinburgh the twenty
 ninth day of July
 eighteen hundred and
 ninety three the follow-
 ing Inventory of the
 personal estate of M^{rs}
 Sophia Elizabeth Ross or
 Dochara and her relative
 to the disposal thereof
 were presented by M^r
 Thomas Mackay Wilson
 Solicitor in the
 Inventory of the personal
 estate wherever situated
 of M^{rs} Sophia Elizabeth Ross
 or Dochara sometime re-
 siding in Broughton Ferry
 and afterwards in Edinburgh

ScotlandsPeople Will Image

BAPTISMS solemnized at *Cotacamund, Palamcottah*

When Baptized.	Said to be Born.	Child's Christian Name.	Sex.	Parents' Names.		Abode.	Quality, Trade or Profession.	By whom the ceremony was performed.
				Christian.	Surname.			
24 December 1865	15 th Nov 1865	Laura Violetta	Daughter of	Leonard and Charlotte	Hatty	Cotacamund	Dr. W. Sargent, at the Lawrence Hall	J. Whitmore, M. A. Offg. Minister
12 October 1865	27 Sept 1865	James Zachariah	son of	Jacob and Sukatham	D'Erny	Palamcottah	Musician 39 th Regt. A. I.	J. D. Simmons Missionary, C. M. S.
27 October 1865 <i>Private Baptism</i>	21 st October 1865	Charles Emmanuel	Daughter of	Charles Emmanuel and Elizabeth	D. How	Palamcottah	Band Corporal 39 th Regt. A. I.	Edw. Sargent Missionary, C. M. S.
24 November 1865	16 October 1865	Florence	Daughter of	William and Christiana	Johnston	Palamcottah	Assistant Apothecary 39 th Regt. A. I.	Edw. Sargent Missionary, C. M. S.
29 November 1865	17 October 1865	Hannah	Daughter of	William and Christiana	Johnston	Palamcottah	Assistant Apothecary 39 th Regt. A. I.	Edw. Sargent Missionary, C. M. S.
2 December 1865	16 th July 1865	Frederick Montague	son of	William Montague and Lilly	Graham	Palamcottah	Inspector of Police	Edw. Sargent Missionary, C. M. S.

India Birth – Capture of Film Frame



Phone image (4 Megapixel)

Whither Digital Images ? (3)

- From fellow researchers & local history societies
 - Pictures, documents, maps, plans
 - Various formats - TIFF, JPG, PNG, GIF, PDF
- All these images have similar attributes regardless of their source
 - all have dimension (“x” pixels by “y” pixels), print size (6” by 4”), resolution (DPI), bit depth (no. of “colours”)
 - will be discussed as part of the Scanning session
- Will now look at a couple of Scanner Models

Many Models & Options (1)

- EPSON Perfection 4990 Photo
 - Optical resolution 4800*9600 DPI
 - Selectable resolution 25 DPI to 12,800 DPI
 - 48/24 bit internal, 48/24 bit output (colour/greyscale)
 - Optical Density (Film) 4.0 Dmax
 - DIGITAL ICE dust and scratch removal
 - Technology used - CCD/Cold Cathode Fluro Light
 - Maximum size A4/Letter (216 * 297 mm)
 - Interface USB 2.0 Hi Speed/Firewire
 - Approximate Price \$890 (when released)

Many Models & Options (2)

- EPSON V700 Photo
 - Optical resolution (dual lens) 6400/4800*9600 DPI
 - Selectable resolution 25 DPI to 12,800 DPI
 - 48/24 bit internal, 48/24 bit output (colour/greyscale)
 - Optical Density (Film) 4.0 Dmax
 - DIGITAL ICE dust and scratch removal
 - Technology used - CCD/Cold Cathode Fluro Light
 - Maximum size A4/Letter (216 * 297 mm)
 - Interface USB 2.0 Hi Speed/Firewire
 - Approximate Price \$725

Scanning Principles

- Will look at various aspects of scanning in the following Scanning Demonstration session
 - Image attributes (size, resolution etc)
 - Use of images
 - Getting the best from your scanner
- Some of these aspects will also come up in other sessions

SCANNING DEMONSTRATIONS AND FILE TYPES

Graeme Simpson

MEMORANDUM

REGARDING THE

FAIRWEATHER'S

OF

MENMUIR PARISH, FORFARSHIRE,

AND

OTHERS OF THE SURNAME,

BY

ALEXANDER FAIRWEATHER.

EDITED,

WITH NOTES, ADDITIONS AND CORRECTIONS,

BY

WILLIAM GERARD DON, M.D.

PRINTED FOR PRIVATE CIRCULATION.

LONDON:

DUNBAR & Co., 31, MARYLEBONE LANE, W.

1898.

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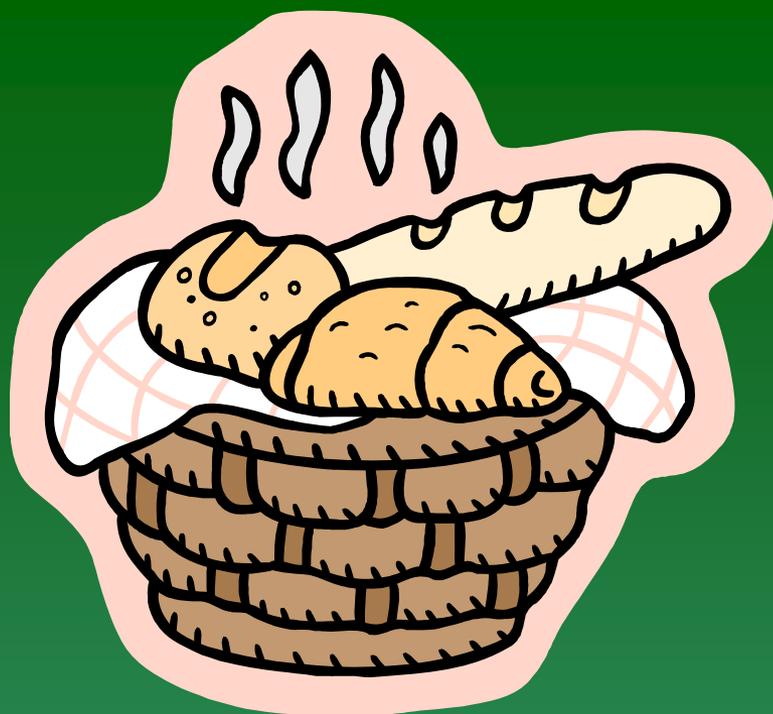
Use the
Histogram
option in
your editing
program to
clean up
scans too
(Capture
of Film
Frame)

MORNING TEA



PHOTO RESTORATION

Carol Heath



LUNCH

INFORMAL DISCUSSIONS



Scanning and Digital
Imaging Workshop

Victorian **GUM** Inc.

19 June 2011

PREPARING IMAGES FOR USE IN YOUR GENEALOGY PROGRAM

John Donaldson



AFTERNOON TEA

SCANNING TINTYPES AND OLD PHOTOGRAPHIC MEDIA

Martin Coull

SIMPLE VIDEOS FOR THE WEB

Irene Fullarton

Video Formats/Codecs (1)

- Different formats/file types
 - e.g. MP2, MP4, MOV, AVI, WMV, FLV (Flash)
 - May have digital rights management DRM
- Codec short for Coder/Decoder
 - Determines how the data is stored in the file
 - Many of them, need correct one to play video file
 - VLC Media Player, plays most none-DRM video files
 - <http://wiki.videolan.org/Codec>
 - http://wiki.videolan.org/VLC_Features_Formats