## Identifying and Assessing digital carriers

This document is aimed at archivists or other members of CUL who are assessing digital carriers to be brought to the digital transfer service. In this context a digital carrier is a device or medium which has digital content on it. This document will outline the different types of carriers that may be found in the Library, but also give information on what should be included on the assessment record in ArchivesSpace.

### New additions for Version 2:

- Identification of MiniDiscs
- Updated picture for the 5.25-inch floppy disk, 3.5-inch floppy disk, the ZIP disk and the optical discs.

	HOW TO RECOGNIZE AND
	INFORMATION NEEDED
Floppy Disk 3.5-inch	These floppy disks are the most popular and
the second se	easily identifiable by their size. As the name
Sandurga Luci 2. Archarode. Composition 2. (Archarode. Composition 2. (Archarode.	suggest they are 3.5-inch in length and
	width. These are the sturdiest of the floppy
	disks, but please still be careful handling
	them.
	Information needed:
	- Format: Floppy Disks need to be
	formatted before used, however
	some of them are pre-formatted
The front and back of various floppy disks.	and this will be indicated on the
	front of them.
	- <u>High Density:</u> This will also be
	written on the front or be indicated
	on the right-hand side of the disk
	with the letters HD. Knowing if this
	is present will help with the settings
	when transferring these carriers.

- Notes: Floppy disks will sometimes
have room to write on the front, if
there are any notes on this it could
be really helpful, as it gives an idea
of what may be on the carrier.
- <u>Storage Capacity:</u> Will be noted on
the front of the floppy disk,
normally 1.44MB
- Damage: Any scratches or obvious

Floppy Disk 5.25-inch

OPCARD 101 V4

**Qp**CARD 101 V4

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Precision Magnetic Media

# - <u>Damage</u>: Any scratches or obvious damages are important to note.

These floppy disks are a little larger than the 3.5-inch floppy disks and are a lot more fragile. They do not have a hard casing and normally come within a sleeve. If possible, do not take the floppy disk out of its sleeve. Information needed:

- Format: even more important than with the 3.5-inch, any information on how these floppy disks has been formatted is helpful when making an accurate disk image. This could be noted on the left-hand side stickers, on the cover sheet or in the notes on the floppy disk.
- <u>Notes:</u> Any notes written on the front may be of use, especially in regard to what is on the floppy disk and what operating system (Mac, Linux, Windows, etc.) it was used on.
- <u>Storage Capacity</u>: Not as common on the 5.25-inch floppy disks, but if mentioned on the disk this is something helpful to note down.



Images above showcase a 5.25-inch floppy disk without sleeve, with sleeve and in comparison to a 3.5-inch floppy disk.

### Floppy Disk 8-inch

Hum3D



<u>Damage:</u> Any damage or tears should be noted.

These floppy disks are the largest of the floppy disk family and just like the 5.25-inch are thin and fragile. They may have a sleeve, if they do, please try and avoid removing this sleeve to protect the floppy disk. Information needed:

- Format: Any information on how the floppy disk may have been formatted can be found on the lefthand sticker, the notes or the cover sheet. This information ensures that an accurate disk image can be made.
- <u>Notes:</u> Any notes written on the front may be of use, especially in regard to what is on the floppy disk and what operating system (Mac, Linux, Windows, etc.) it was used on.
- <u>Storage Capacity</u>: This is not always noted but can be helpful when making a disk image.

	<ul> <li><u>Damage</u>: Any damage or tears</li> </ul>
	should be noted.
ZIP Disks	ZIP Disks were in use for a short time and
ZI B Cambrady Exchanse	quickly became obsolete with the
	introduction of CDs/DVDs. These are about
	the same size as the 3.25-inch floppy disks,
	however there are a lot heavier and thicker.
	They are also recognizable by having ZIP
Contraction Coldwards	noted on front of them.
арслар 101 н	Information needed:
	- <u>Format:</u> This is clearly noted on the
	ZIP disks, it will either state 'mac
	formatted' or 'pc formatted'. In
	some very rare cases these disks
	will not be formatted, and this
	information will be missing.
	- <u>Storage Capacity:</u> Will be noted on
	the disk. 100MB being the most
	common, but 250MB and 750MB
	do also exist.
	- <u>Notes:</u> There could be notes added
	to the front of the ZIP Disks which
	may help in making an accurate ZIP
	Disk.
	- <u>Damage:</u> Any scratches or obvious
	damages are important to note.
Multimedia Card Formats	Multimedia Card Formats come in many
	sizes but are normally characterised by
	being small and slim (some of these cards
	are as small are your thumb nail). They will
	have gold/silver strips on the back to read
	the data from. Normally they will come in
	some sort of case to protect them. They are
	sturdy but be careful when handling the



Internal (or Bare) Hard Drives

<image>

Also, any additional notes which accompany the sticks would be helpful, as it could help with determining what the stick was used for and therefore the easiest way to process them.

 <u>Damage</u>: Any scratches or damage should be noted, especially in relation to the USB-connecter.

These may be difficult to recognise as they may still be in their original shell, which will mainly be a laptop or computer. If you encounter a laptop or a computer within the stacks, this would be the category it belongs to. They are distinguishable from portable hard drive mainly by their connection, as they will not have a shell around them with a more common connection such as a USBconnection. The connection that will be visible if these carriers are not within their shell is a small set of pins in one of the sides (see bottom image on the left). Do be careful when handling these, try and keep them horizontal as most of them will have a disk in them that runs. They are not as fragile when they are not running, but it is still good to handle these with care. Information needed:

 <u>Storage Capacity:</u> Is normally found on the sticker that accompanies these hard drives. This could be anywhere from a couple of GBs to a number of TBs. If this hard drive is still within a computer or laptop,

this information cannot be noted down.

- <u>Format:</u> Any information on how the drives were formatted will make the data transfer easier. If the hard drive is still within a computer or laptop, any information on what type of laptop it is can be helpful here.
- <u>Type of hard drive:</u> You will find this information on the sticker of the hard drive, normally this will either by SATA, SSD or NVMe. If this hard drive is still within a computer or laptop, this information cannot be noted down.
- <u>Notes:</u> With this type of storage carrier, it would be rare to find writing directly on them, however any accompanying notes will help with the data transfer process.
- <u>Damage:</u> Any scratches or signs of dents should be noted. If this hard drive is still within a computer or laptop, this information cannot be noted down. However, any damage to the laptop or computer itself can be helpful here.

	be neiprarnere:
Portable storage with USB connections	Similar to the internal hard drive, this type
	of storage carrier will have a larger storage
	capacity. These portable storage drives are
	very similar to the internal ones but will
	have a hard shell around them and a more
	common connection, normally a USB

	connection. Which normally means that a
	separate cable accompanies them. Just as
	the internal hard drives, handle these with
	care and keep them horizontal when
	possible.
140.	Information needed:
	- <u>Storage capacity:</u> Will sometimes
	be noted on these. This could be
	anywhere from a couple of GBs to a
~	number of TBs.
	- Type of hard drive: You will find this
	information somewhere on the
	hard drive, normally this will either
	by SATA, SSD or NVMe.
	- USB connection: Knowing if the
	original USB-connection
	accompanies the storage carrier
	would be of help during the transfer
	process.
	<ul> <li><u>Notes</u>: With this type of storage</li> </ul>
	carrier, it would be rare to find
	writing directly on them, however
	any accompanying notes will help
	with the data transfer process.
	- Damage: Any scratches or signs of
	dents should be noted.
Optical Discs	Optical Discs will come in several different
	formats, the most popular being the
	Compact Disc (CD), Digital Video Disc (DVD)
	and Blu-Ray.
	Information needed:
	- <u>Type of Compact Disc:</u> Most
	commonly being CD/DVD/Blu-ray



The front of a number of optical discs. Damage can show in different ways on the discs, as showcased in the image below.



- <u>Storage Capacity</u>: Most discs will include their storage capacity, which can be anything from a couple of MB to many GBs
- Format: Some of these discs will have information on them which will tell you if they have been preformatted, which is useful to know.
- <u>Notes:</u> Any notes written on the discs will be of use, as they will give an idea of the content and therefore help in the transfer process.
- <u>Damage</u>: Any scratches should be noted, as this can impact the transfer process. Also, when a dusty sheen (as pictured in the image on the left) is present, it would be helpfulto note this as this may be a sign of the plastic deteriorating.

#### MiniDiscs



Similar to optical discs, these discs are round but a lot smaller and have a casing around them. As these need a different driver and completely different transfer process, it is important to know that they are MiniDiscs rather than an ordinary optical disc.

Information needed:

- <u>Storage Capacity: They will either</u> have the number 60. 74 or 80 on them. Indicating the amount of digitised audio.
- <u>Notes:</u> Any notes written on the discs will be of use, as they will give an idea of the content and therefore help in the transfer process.
- <u>Damage</u>: Any scratches should be noted, as this can impact the transfer process.