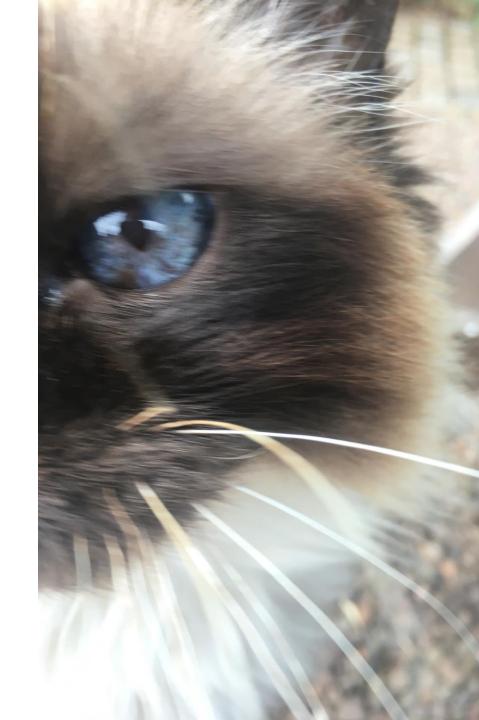


I was one of two interns At Birkhill House this year, and I:

- researched design theories relevant to At Birkhill House
- participated in two shearing days (alpaca and Castlemilk Moorit sheep)
- attended three days of classes during fibre week, which covered fleece preparation, colour blending, and spinning
- washed, carded and spun alpaca fibre and Castlemilk Moorit fleece
- researched the history of Shepherd's Check tweed, including desk, library and archival research. I visited the Heriot Watt textile archive to view original 19th century shepherd's plaids and textile sample books
- designed an estate tweed based on my experiences

I have written up my research and my project in a design sketchbook. The end of this report includes photographs of this project log.





The benefits of this internship for me have been

- new knowledge and skills about hand processing fibre
- a better understanding of the factors which determine fibre quality
- motivation to improve my spinning skills
- an opportunity to research design theory and archival textile collections

I would have liked to have spent more time working at Birkhill, but some caring responsibilities over the summer prevented me going in as much as I would have liked. I valued working at home with the fibre given to me as part of the internship.

This internship complemented my studies at Heriot-Watt, where fibre processing is covered in a technical theory course. It has been incredibly useful to have hands-on experience. It has also been interesting to see the community engagement programme in action.

Attending the internship over the summer between first and second year has helped me to begin thinking about what I will do once my qualification is finished.



First weave sample

This is my initial weave sample for a tweed design based on the colours and animals at Birkhill Hourse. This design is an adaptation of the traditional border Shepherd's Check. It includes three shades of brown to represent the shades of alpaca coats.

The design also has a dyed blue yarn to represent the eyes of the Ragdoll cats. I included stripes of blue to convey how the outdoor cats crisscross the open areas of the smallholding.

I underestimated the time needed to hand-process fibre and the technical skill required to process alpaca fibre so that it is suitable for weaving. This was quite challenging for a beginner spinner.

My initial weave sample has been made from commercial yarn, but I intend to finish the carding and spinning of the fibre I have from the internship and will use it in future projects.

The following pages are a copy of the project sketchbook I compiled during the internship.

My thanks go to Lara and all of the people I met at Birkhill House. It is a very welcoming space, and I hope to be able to attend some activities there in the future.

INDUCTION VISIT 26 V22

An "ocosystem" in significant in set of complex relationships between living Jubjects and the environment."

(Fletcher et al., 2016 p. 65)

At first sight, the largest and elements of ht Biramia Mouse seem orderly and compartmentalised. There are defined areas for types of animal, plants and autivities. It is all carofully planned out for afficiency, affective communication and care of subjects and participants.

Noward, there is antiderable complexity which is not seen at first. The stakeholder map on the ight of this playe, for example, does not include weather, plants, will animal or parasites.

Some relationships (sheep and worn, family and friends earling sheep) did not become apparent until tater visits.



Reading on design in the correct of At Birthill nowe

Button (2015, p. 156) stresses the importance of defensible space and the need for a dear differentiation between public and private space for well-being. Birthin does not easily fit into these traditional boundaries—it is a pivate space with a boundary perimeter but one which can be crossed. It would be classed in its entirety as a "sope edge" or transition zone, being an area which helps people navigate to and from private to public, personal to commons.

There are a complex set of relationships between various caterpries of individuals and animals at Birthill.

Applying Illich's theory of convivial society to mese relationships would be helpful in the design of authority programmes. The othical design of technologies and activities cannot rely solely on a view of the individual (which ignores society as a whole), nor can it be purely to him in a which briditionally against many agents.

to overlame issues with individualism and helism, and is linked to expiral design. Systemism which are interest complex inter-selvanswhos which can be mutually

Shaped by participants. As Koshinen (2016, p.23) explains, conviviation relies an aleating a sense of belonging, and creates 'now proms of community interaction that helps [sic] people upone with every day life. It works well if wontrined with prolecular design, where the arims are not to shape a community or determine (arian outcomes from the outset, but to work impagh small scale interventions to produce a solvan good' (p.27).

Vointon (2018) arques that Josian change affects the Individual as well as society. Birthill', outcomes of improved well-being for Individuals depend on the well-being of an the agents—animal and human—invited. Albo (2018) considers the concepts of unviviality in the context of Andrew Cultures [appropriately for Birbhill', apara) and highlights the Importance of living well in a way that is yood and generous and when benchts the whole social group, pluning human reinforty with each other and with nature before material welfare

The complex set of relationships between an insultant humans are withhill would lead itself to pure radical accords of evological brinking. In example is the "evological animism"

proposed by Planwood (1 homen, 2012, pp. 77-70) This 'encourages a dialogical educion of sharing and negotiation of partnership between humans and animals' and sees homens and animals as mutually available for repetitul use in conditions of equality. Pung de la Bellmana (2017) considers me esmico of care and sees care as embedded in the most number of autions required to maintenance and repair of daily life. Mu appries particularly to one caring animal activities carried out by urbintees, but could also be applied to one wide ensystem at Blahill, and the preservation and bransfer of hindwish and grapt show in the author Myrumes.

Aphó, X. (2011) 'Irma armaña or Whing well together: a contribution to the occultural conversation' in Rozzi, Ret a. (cds.) From Blowdered Homogenization to Bibautival Conversion (pringer)

Brown, L (2013) 'menom well being and the influence of place' in Darton, M. (et al.) (eds) The Routhedge Mondhook of Manning for Median and Well-being, (Langon: Acuthedge) pp. 150-161

Illish, 1.10. (1973) Tool for landvisiting (Landon.

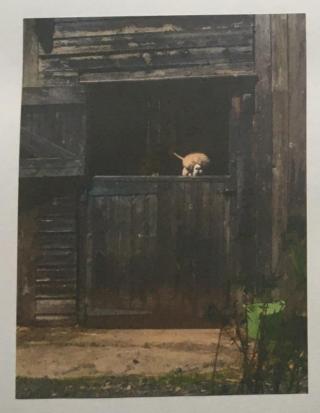
References (continued)

Koskinen, I. (2016) 'Agnostiv, convivial and conceptral aesthotis in new Journal veright; berigh brus 32 (3), pp. 18-29.

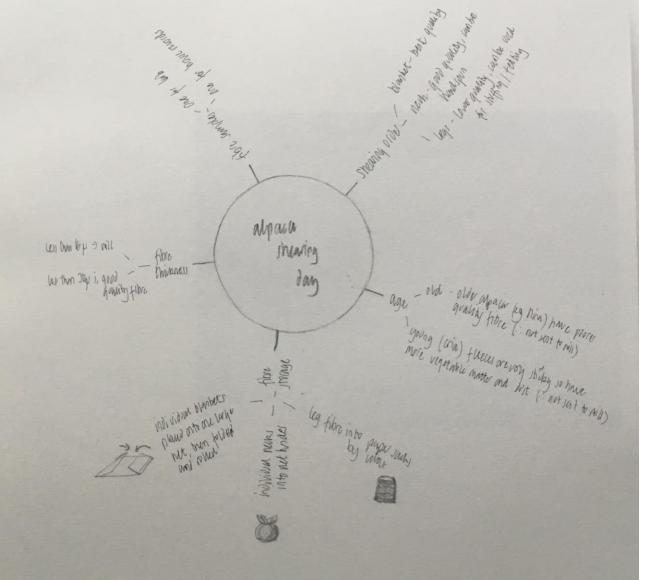
Phonomord, v. (20,2) 'Amiman and evology: towards a better integration' in Transon, L. (ed.) The type of the crotable (Construction), pp. 77-90.

Pluin de la Bellacasa, M. (2017) motters of care: specialistive obies in more than human worlds (minneapolis: University of minnesota Press) [from review by pettersen]

Voince, C. (2018) 'Designing for unriviality', Technology in Society. 52, pp. 70-78.



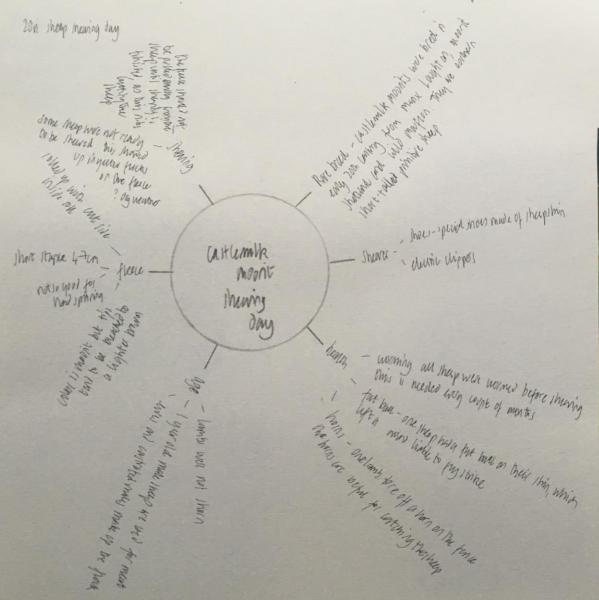
Marca do not enjoy being theored



PROCESS

part compared into individual parts | part harmones on | lead to their | strap down | shear; because the fibre compile from middle of blanket | life toes | microchio | release cultivary on or many from | rolls build here into rut | brake now fibre into not a hour part = now we have precising | leap into purper south by where fibre into nown for shorage |

This was a simple process, but it needed to be done grickly and efficiently to minimise shress for the animals.





roundup sheep (took some time) into pen | could one (hornsone yeps) | worm with correct dose (less for bambs) | shear (except lambs) | recense | roll up flocks



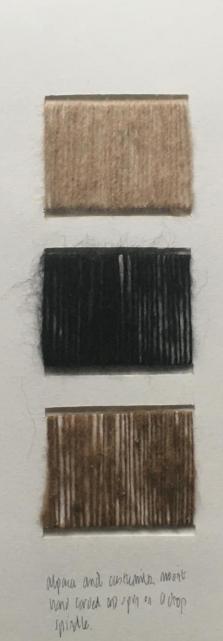
18 vii fibre processing for sprioring

21 vii art batts, drop spindle spinning and what spinning

22 vil app spinale spinning an evening for chiefen



more colour of menine carded together an upon on a deep up incle. The top sample is single; the bottom one is two pyr.



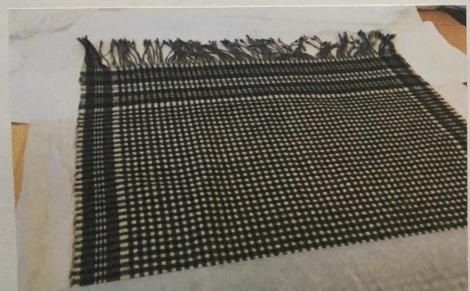






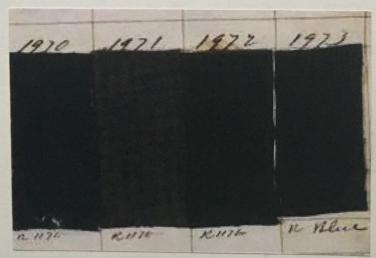












Gholl 11 1836 potton book, JXA Dgily

APII EMIN "TO WHAY INSPINED" This, Least Contained







1821	Jusph State drawing of Waste Just
1823	William Deruick Viewing of James Mogg
1924	William Allan paristing of Tance Mogg
1825	fushion for shappard chesh for wrops for gentlemen
1826-1829	Scothish inwest for grams, draw and blues washed
	because formitive product these imples more charpen
1827	myther creek pict appears on travering
1830	hir J Wation Gordon polarist of James Mogg
1890	enquiry from London for the phord which for brosses
11114	red over theche for herfashic
1843	body appeared on board seams
1846	large cheans appeared
1149	high point of formion for thepherd check
130	'mixture' nums first oppeared, leading to 'estate tweeds'



The thephoids of the borders had for long worn plaids of a blank and white therhed design and around 1825 of entranen began to war One so-taked thepheld shown should for wrops, a fashion which reached its high print around 1848. The idea of using the design for brusings is given locally to his Wasto slott and to his popularising of it in London, but there are other claimants, notably Tames locke and Lorn Brugham. The parties as a trovering first appeared in 1827 but the rem boom cume when it was introduced to oxford and Campridge. The demand for it outran supply in these universities. Archibald Ging, a wou known Edinburgh mushant in wollens rewids how in 1830 he had an enquiry from London "for a LOWIC wrollen black and white cheened staff made in Scotland and expected to be wanted for trovolings" - cutting a small piece from the ceam of a close, it was forwarded. In order for six pieles was received and this may have been the first

Justin tweed sent to Landon in larth.

The early shapherd cheek travers were made with home grown woods in voll made medium teature (worm in winter, woll in summer) and were a delignified change from the willed custimores (2/2 bill) previously worn. The feet was easy compared to non-clarific ducks, linen and Indian rankeon. The great impetus in braveway during one peaceful time after one transh was found switch tweed adaptitude to changing culmatic conditions. The whole of the chaniot wool was offen so impure and the pieces came up very duck in

appearance and more difficult to market, but some injurcing new shows by the manufacturers to overcome this defect. Two of the early methods concerned dipping the close in a long adjection or in the holique dye vert giving a lovern and black check or a light love (lovernote) and black check, when the checks can their course, they were succeeded by the same coleanings in twills and other patterns. It is defined that the idea of twisting together two differently convived through, main is common everywhere to day, began at Texthorph.

If marshance and TA struce "The Rise and Growth of the Tweet Winter to I worker" (a.p., n.d.) (28.4767701) pp 15-17

'The Portler shepherd checks was malified to possible the fundation for 'District checks'..., and such multiplication was made carried by the fact must be broke plaid had been taken more by thepherul towards the end of the 18th century with the execution of their farming in the trightment.'

Checks reflecting the influence of the shapherd doub.

Glan feshio, ing, Ballindanhoch of Stratherpey,

Ardbornish, hunguishach, loigach

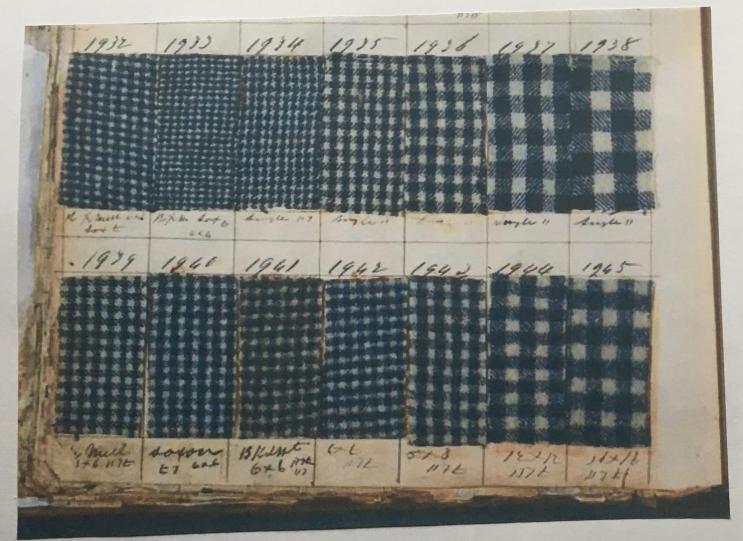
The shapherd, Glanvigurant and loigach checks dominated the

Designing of the vant both of ordinary checkes wooden whom:

Chamin the Theodynahas. A history of the Snotlish

Form worth missing 1600-1914 (Number mobers:
name on thaths, 1970) pp. 71-75

Campbul's of Beamin



A page from a sample book of me trans

JAA Ogilvy (496/1/11).



Your wrong made using commercial your to approximate to alpace convers with the addition of pole love to represent one eye whom of the Birkhill costs.

These wrops are based on:

- · Glenderine and Ricmore physical drush with an overtheir
- · Snaight and Wengrain Inspired that with the whered overhear (only one colors appears in the dutient you wromp)
- · Farmich a check with stronger whether but and black in the vertical, and strong black on way severe horizontal
- . Mormore actionating durn and light cheens, with single your of lowe to give a subtle over their

The wrongs with three whore over more moted and quiet, which do not exist the unwinder of Dinkin. Four whom gives better contract and early.

