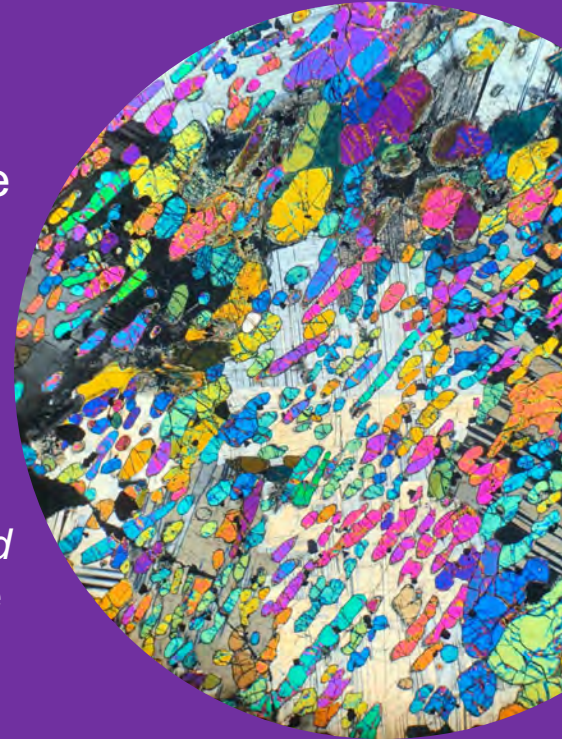
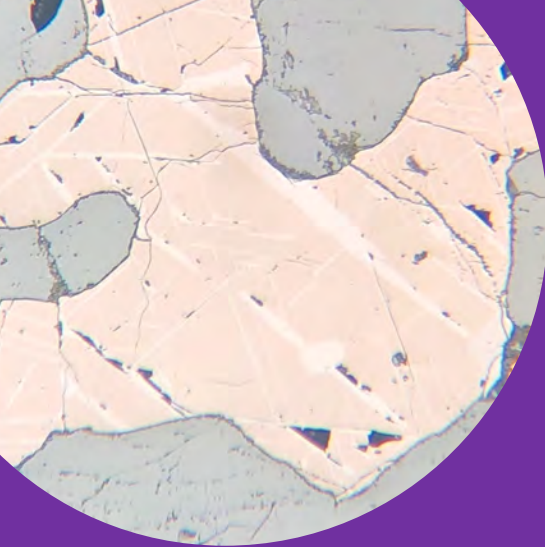


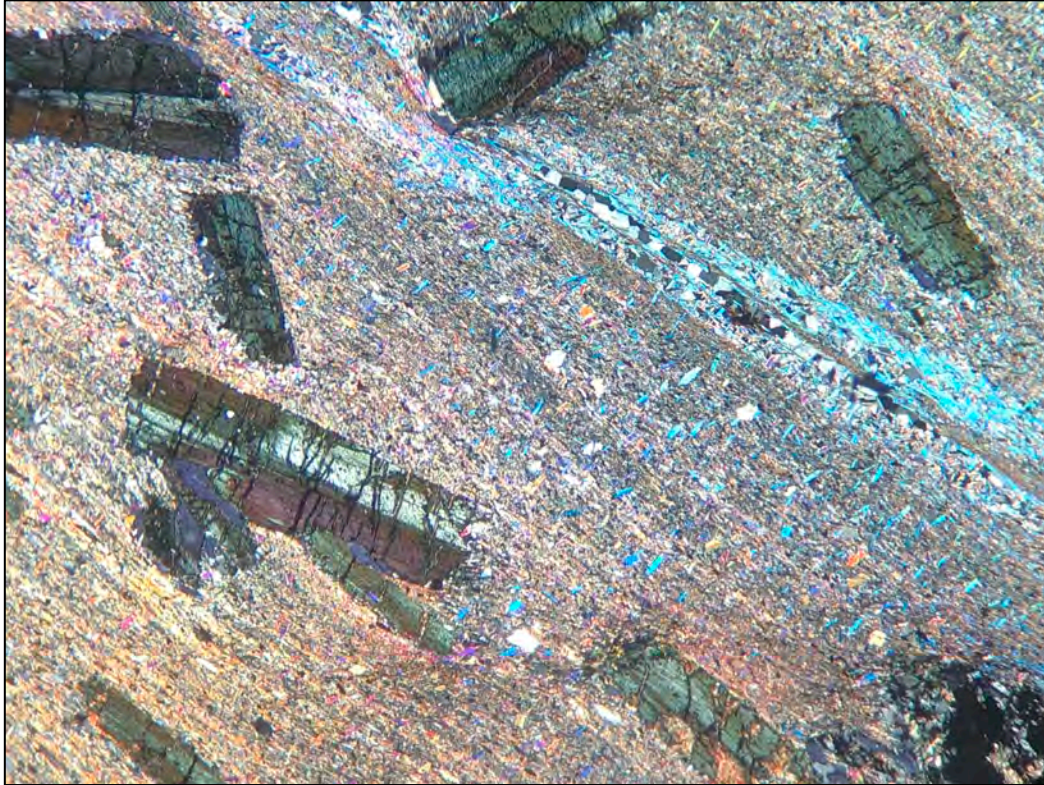
Smartphone Microscopy

Tips for taking high-quality microscope
images with a phone camera

Dr Bob Gooday – National Museums Scotland
SPNHC 2022 Museum Techniques Skillshare



Why?



- Availability
- Quick
- Easy to share
- High quality?

Chloritoid schist, Arran
NMS Collection

Why not?

- Fiddly
- Less control
- Reproducibility
- Device issues



Biotite, Creetown
NMS Collection

How?



- By hand
- Commercial mount
- DIY mount

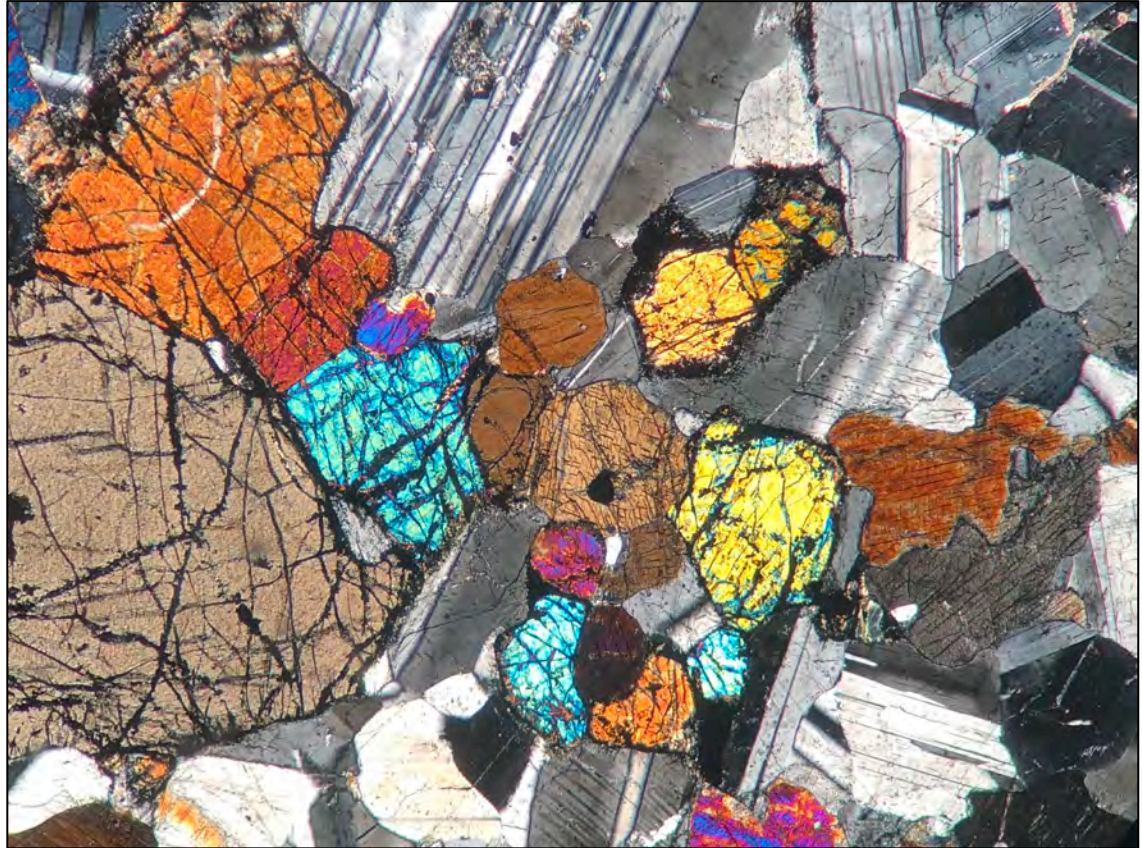
Silver, Alva
NMS Collection

How?



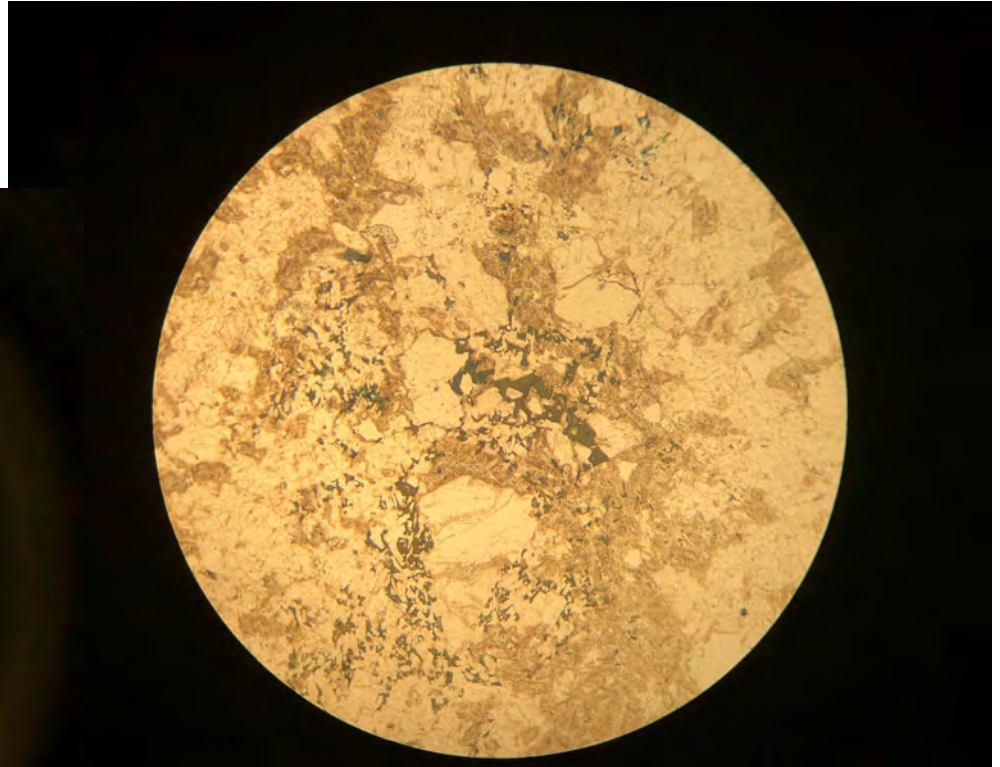
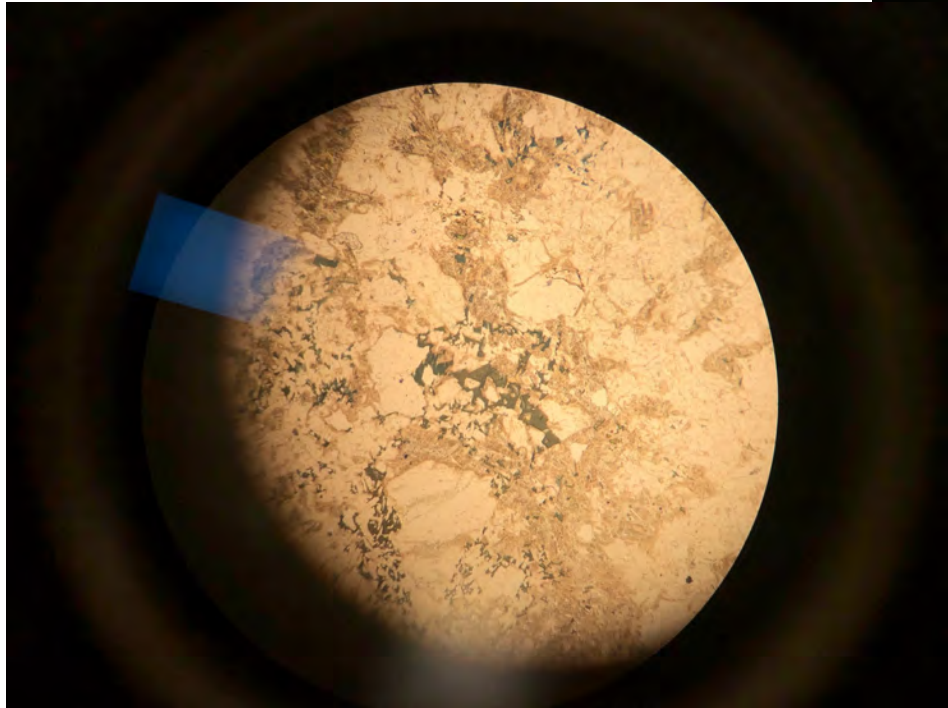
Main Issues

- Stability
- Alignment
- External light



Gabbro, St Kilda
NMS Collection

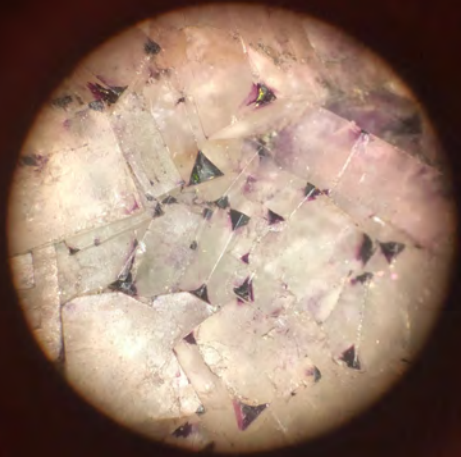
Main Issues



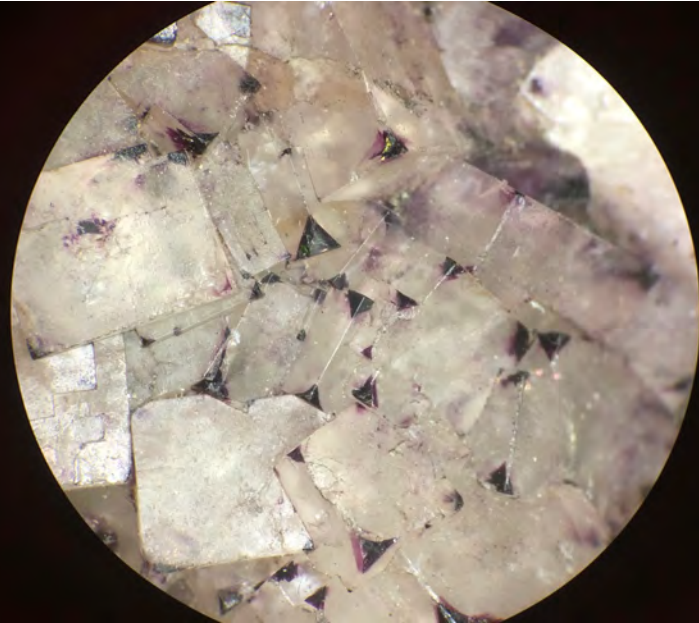
Microgranite, Ailsa Craig
NMS research specimen



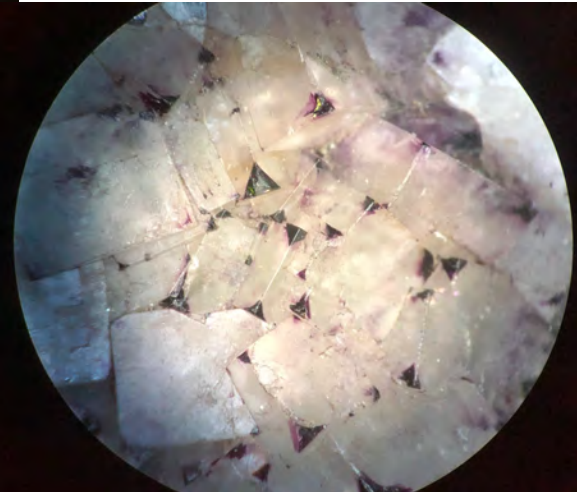
Fluorite, Ballater
NMS Collection

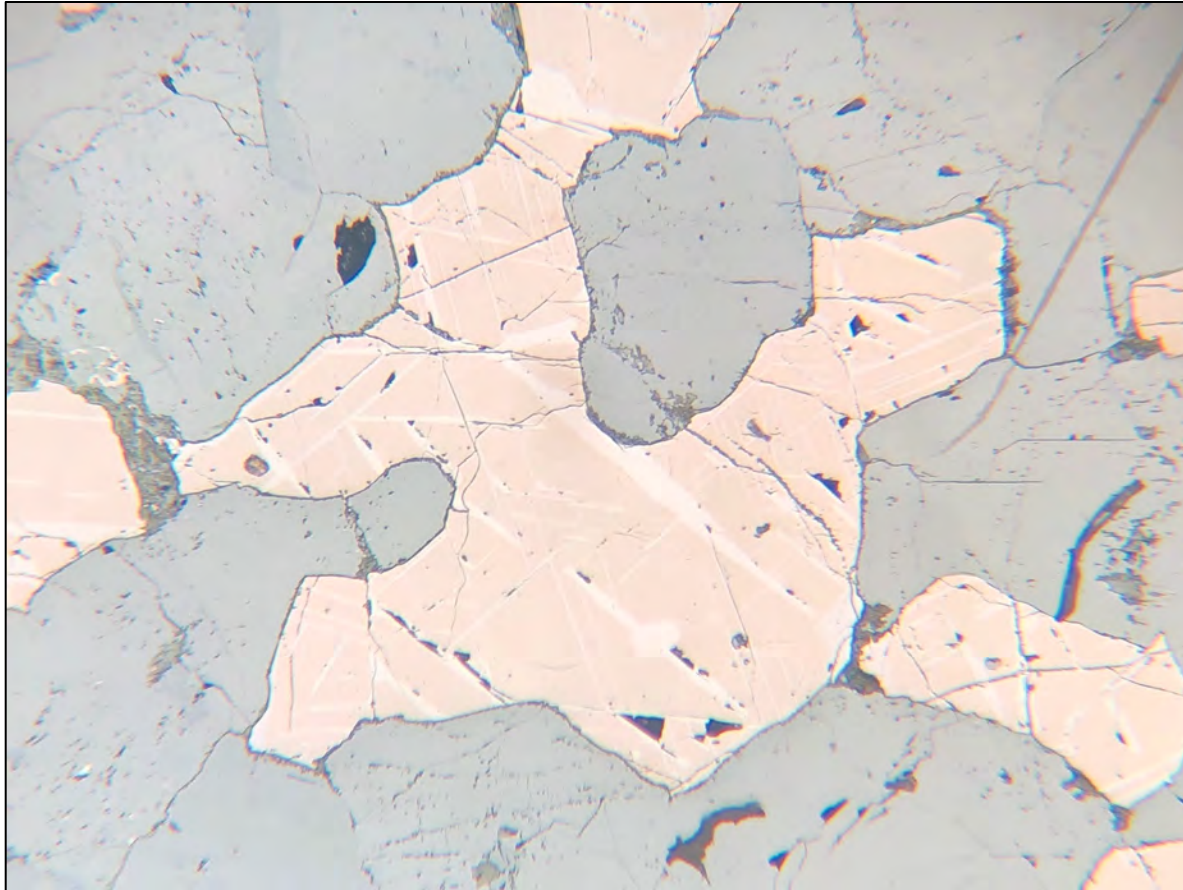


Too far



Too close

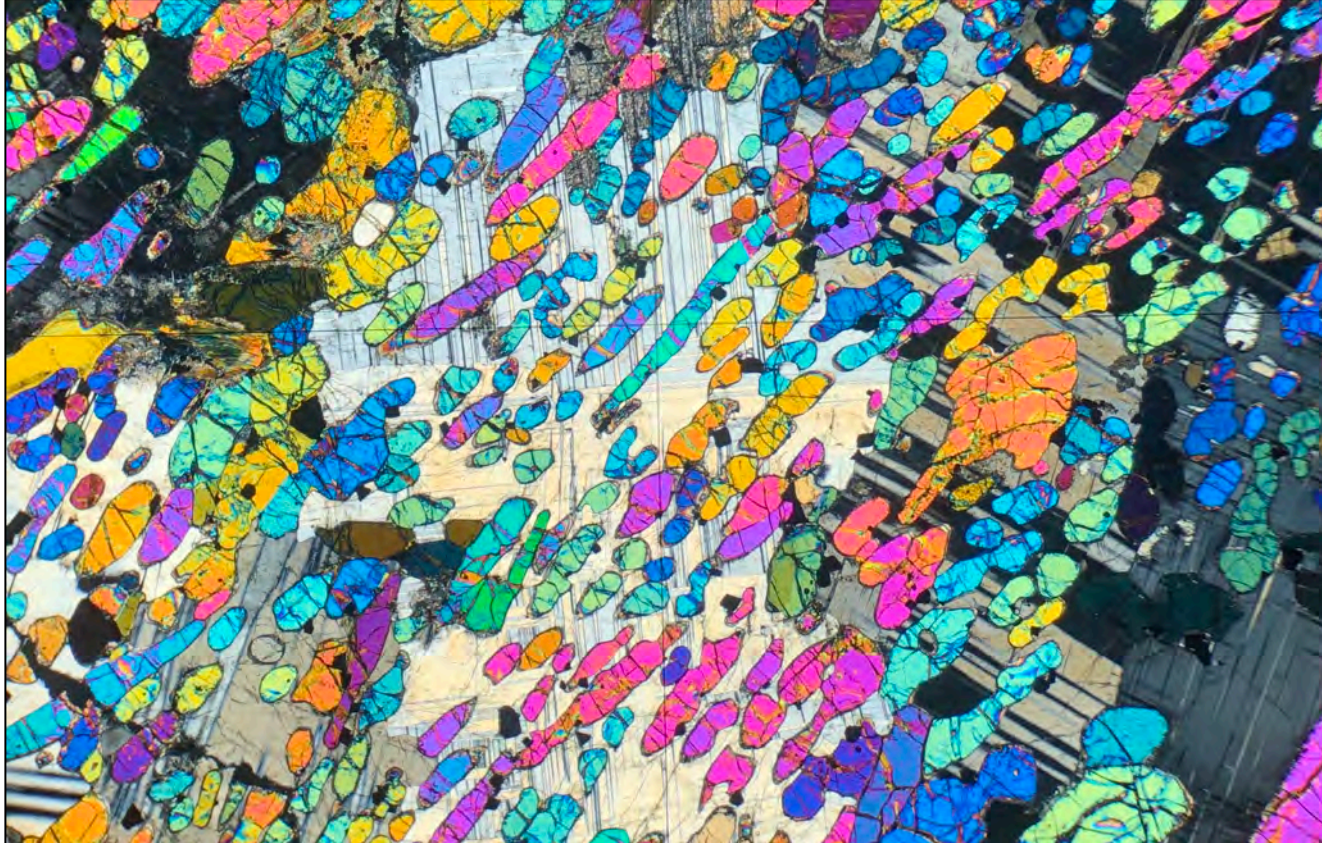




- Convenient
- Practise!
- Stabilisation/light
- High quality

Magnetite/ilmenite, Arran
Bob Gooday

Thank you



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@bobgooday

@NatSciNMS

#ThinSectionThursday

Olivine cumulate, Rùm
John Faithfull