

# Pyromorphite from Coldstones Quarry, North Yorkshire

Figure numbers shown on these 3D images relate to the associated  
article in Journal of The Russell Society, Volume 25, 2022

View through Red-Cyan spectacles with the red filter to the left eye  
and from a distance of 40cm (16 inches)

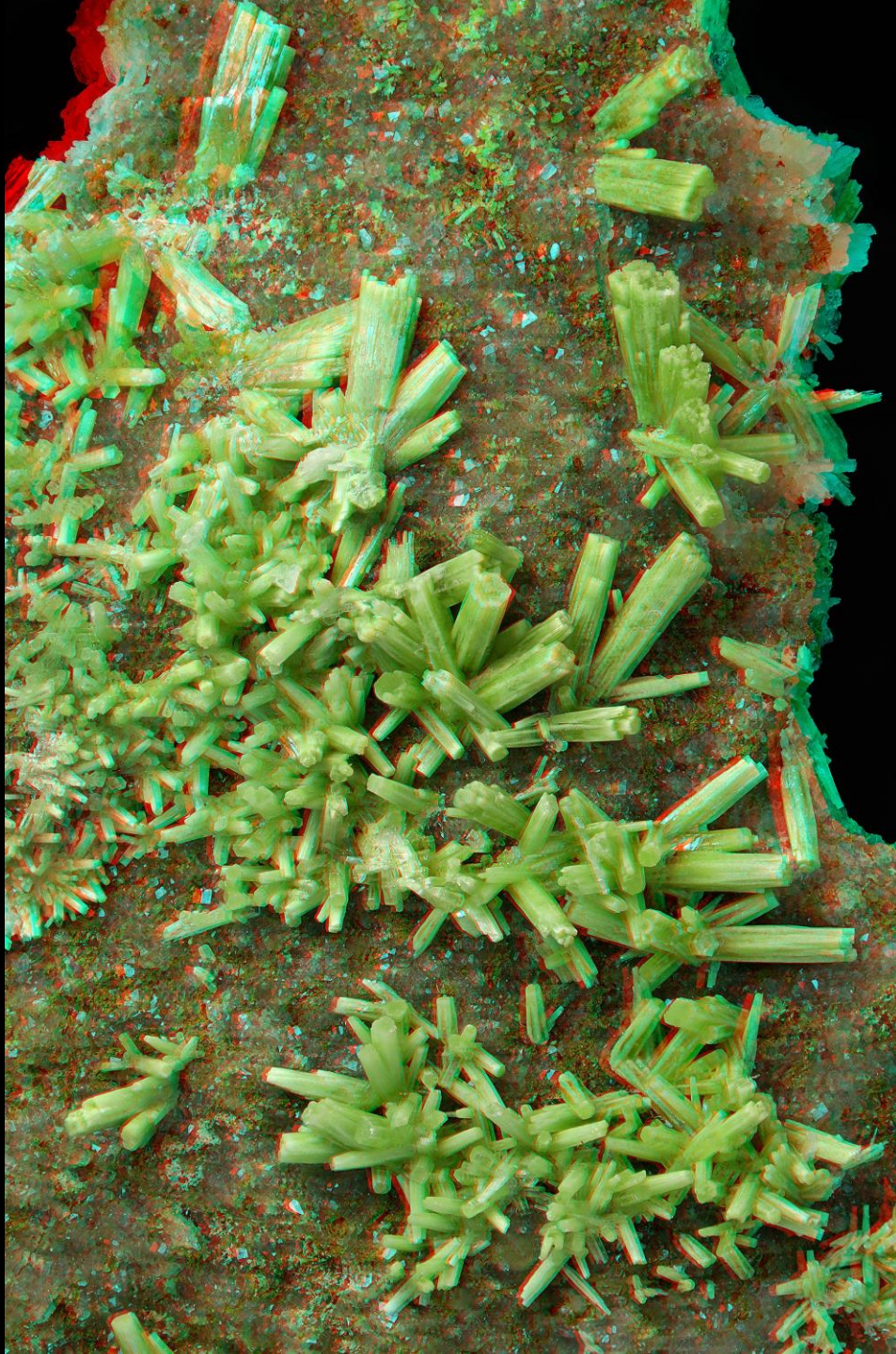


Fig. 1

## Pyromorphite $Pb_5(PO_4)_3Cl$

Prismatic crystals to 3 mm in length in a fracture  
in sandstone lined with drusy pyramidal quartz.

Coldstones Quarry, Greenhow, North Yorkshire.

Specimen: Harry Critchley collection.

Photography: John Chapman.

Canon EOS 5DSr camera with Carl Zeiss Luminar 63 mm objective lens  
on 110 mm bellows extension, with Schott fibre optic illumination.

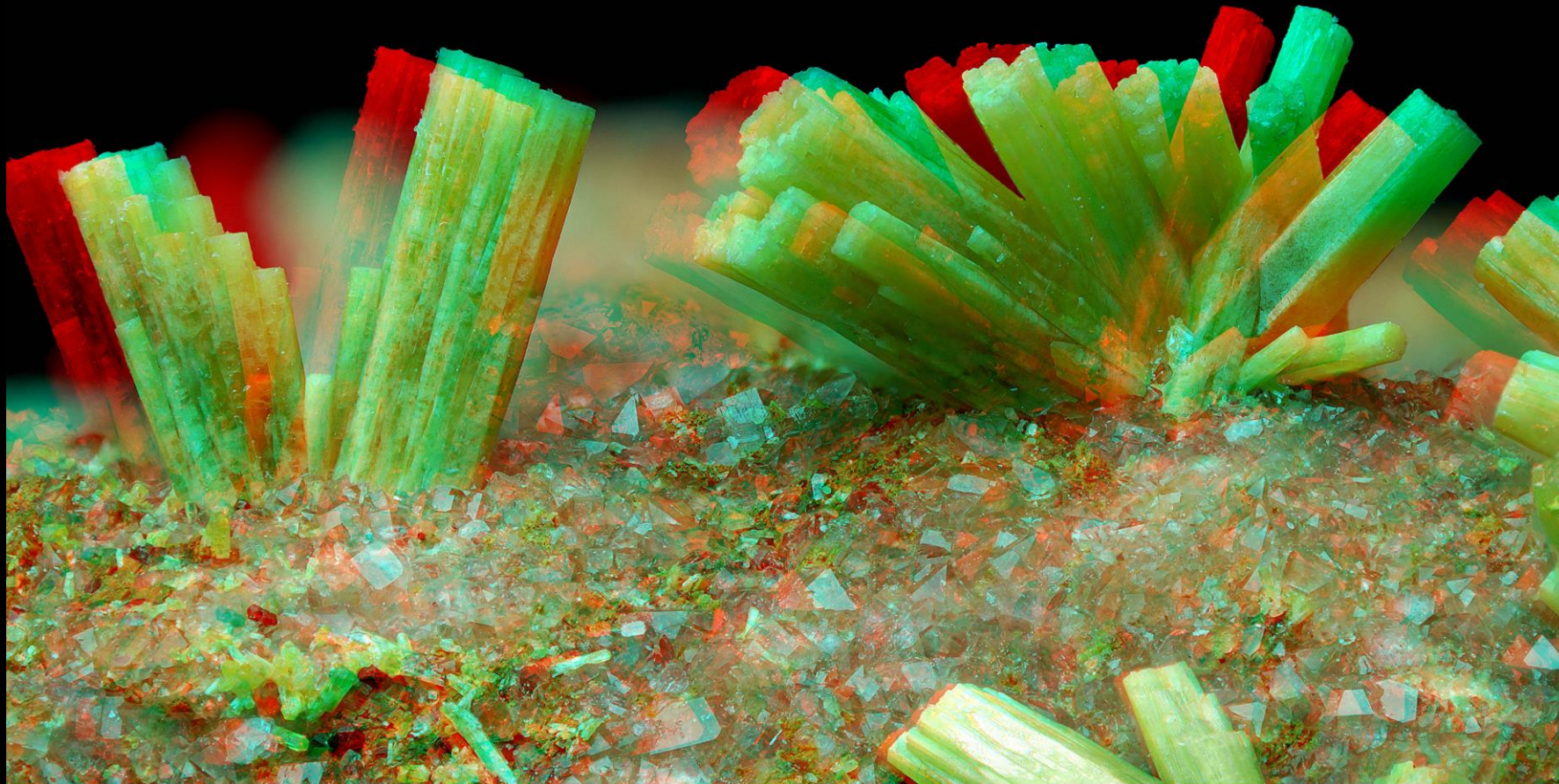
Left + right stacks of 73 and 69 80-micrometre steps at 6 degrees via  
Stackshot rail, with Luminar at aperture 1.5, combined in CombineZM.

1 mm

Field height 16.7 mm



Fig. 1



1 mm

**Pyromorphite**  $\text{Pb}_5(\text{PO}_4)_3\text{Cl}$

Field width 6.31 mm.

Prismatic crystals up to 3 mm in length in a fracture in sandstone lined with drusy pyramidal quartz.

Coldstones Quarry, Greenhow, North Yorkshire.

Specimen: Harry Critchley collection, No. CQ(HC)05. Photography: John Chapman.

Canon EOS 5DSr camera with Carl Zeiss (West Germany) Luminar 25 mm objective lens on 70 mm bellows extension, with Schott fibre optic illumination.

Left + right stacks of 68 60-micrometre and 91 60&30-micrometre steps at 6 degrees via Stackshot rail, with Luminar at fully open aperture.



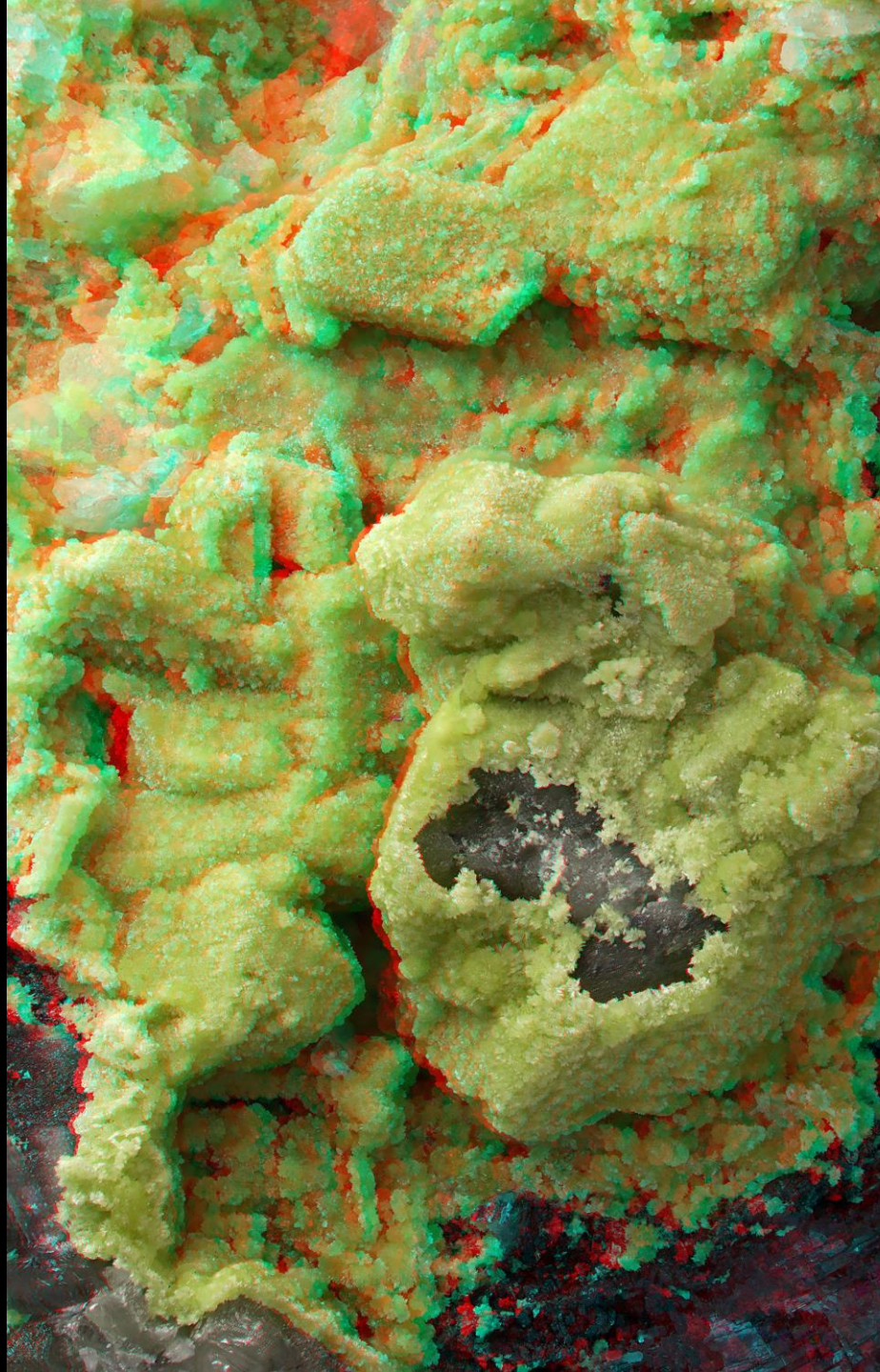


Fig. 2

## Pyromorphite $\text{Pb}_5(\text{PO}_4)_3\text{Cl}$

Drusy pyromorphite overgrowing and replacing  
vee-twinned cerussite on galena with minor fluorite.

Coldstones Quarry SE 125 641,  
Greenhow, North Yorkshire.

Specimen: Harry Critchly collection, No. CQ01.

Photography: John Chapman.

Canon EOS 5DSr camera with Carl Zeiss (West Germany) Luminar objective lens  
on 150 mm bellows extension, with Schott fibre optic illumination.

Left + right stacks of 132 and 129 50-micrometre steps at 6 degrees via Stackshot rail,  
with Luminar at aperture 1.5, combined in CombineZM and rendered in Stereophotomaker.

1 mm

Field width 12.6 mm