

KIRKCUDBRIGHTSHIRE

1"74, 81 2cm 84

NX 840 517

ALMORNESS POINT, Buittle, Kirk.

See also DALBEATTIE etc.

~~Def?~~ Molybdenite
T.M. Hall:

1"81

NX 819 484

AUCHENCAIRN M. Auchencairn, Kirk.

GR Pseudomalachite⁽¹²⁾, baryte,
chalcopyrite.

RSWB, RPHL (8/95) Vg malachite^{Hill} (WR; 85-95) w.
chalcopyrite, quartz.

1" 81 2cm 84

NY 829 493

BALCARY POINT, Rerrick, Kirkcudb.
See also DALBEATTIE, etc.

JMM & KT Bull 25 1-18 (1966) weakly RA
quartz-dolomite mineralisation at
Balcaray Point.

1" 81

NX 788 474

BARLOCCO M., Dundrennan, Kirk.

Rsn(1996) 22

Barlocco Mine [Grid Ref: NX 788474] On arriving at Barlocco Farm to ask permission we discovered that both the farmer and his wife were geologists and furthermore were using the tips to maintain the farm tracks. They told us that the top level had gone, the middle consisted of a 250ft shaft and the adits were unstable! However they were happy for us to collect from the lower dumps, which were the ones they were slowly shifting, and so fresh material was exposed. There was plenty of baryte (the mine was originally worked for baryte), and we also found malachite, chalcopyrite crystals, tetrahedrite/tennantite?, baryte crystals, azurite/linarite and erythrite. We returned fully laden up the hill to thank our hosts who presented us with an information sheet on the mine written by the Earby Mines Research Group.

1"80

NX 448 644

BLACKCRAIG M., Newton Stewart, Kirk.

= CRAIGTON M

Wroewolfeite

RSN (1996) 29

Sunday 19 May Blackcraig Mine, Newton Stewart [Grid Ref: NX 448644]

The party all met at the dumps and then split up to collect. Ian Dossett and Norman Thomson started to dig, Harry was wielding his hammer and the rest of us were fossicking all over with the occasional use of the hammer. Minerals found were; calcite, galena, cerussite, pyrite, chalcopryite, linarite, smithsonite, malachite, quartz and a couple of unknowns. Our heroine of the day was Anne Snell who walked around handing out slices of home made cherry cake, much grumbling from her

BMS Newse (1996) 45 2

Pink smithsonite.

BMSN (1997) 46 7 1. geldart

BMS coll. smithsonite-

BLACKCRAIG QUARRY

1" 74, 81 2cm 84 NX 9159, 9260, 9360 etc?

BORELAND BURN, Colvend & Southwick, Kirk.

See also DALBEATTIE etc

JW. TIGGS (1964) 209 Boreland Burn is a classical loc. for amethyst, xline (one large clear spec. 5.8 cm across base) & massive. Much is overlain w. terminated rock xl., surfaces often coated w. a fine layer of haematite.

1" 74, 81 2cm 84

NX 886 543

BRANDY COVE, Colvend & Southwick, Kirk.
See also DALBEATTIE, etc.

JMM & KT. Bull 25 1-18. Pitchblende in
uraniferous dolomite veinlets in quartz-
cemented breccia cutting a sheared
porphyrite-hornfels outcrop at foot of
cliffs betw. Brandy Cove & Pottling
Bay; at 885 541

1"74, 81 2cm 84

NX 8, 6,

BUITTLE, Kirk.

See also DALBEATTIE, etc.
"Buittle Place" - 818 617

J.W. TDGS (1964) 209 Amethyst, small xls in
veins through a porphyrite; bounded by a
thin layer of haematite. "BUITTLE, Kirk."

1" 74, 81

2cm 84

NX 92 57

CAULKERBUSH, Colvend & Southwick, Kirk

See also DALBEATTIE, etc

JW, TDGS(1965) 17. Hedenbergite-diopside,
numerous small "blebs" → 1 mm, green (? due
to ?chlorite) in calcite veins in disused
quarry atop the Houghs, Caulkerbush,
at NX 923 568.

1" 73

NX 55 75 (I)

CLATTERINGSHAW'S DAM, New Galloway
KirkcudbrTGP Ziembra, Priv. Comm. (5/72). Pegmatite

veins (1" → 6") exposed in river bottom
 just S of main road just S of the dam,
 with mica(s) books → 1" max, traces schorl,
qtz, felspar, biotite, muscovite, 1 ~~spot~~ tiny
 reddish-brown spot ?? monazite (recorded from
 the Cairnsmore of Fleet Granite ^{see Brit Regional Geol}
^{see J Williams}
^{"The S of Scotland"}
^{Further Notes on} The Duff Gull Nat Hist Ant Soc XLII (1965) 14-24

In small tub ca 1/2 ml downstream from bridge &

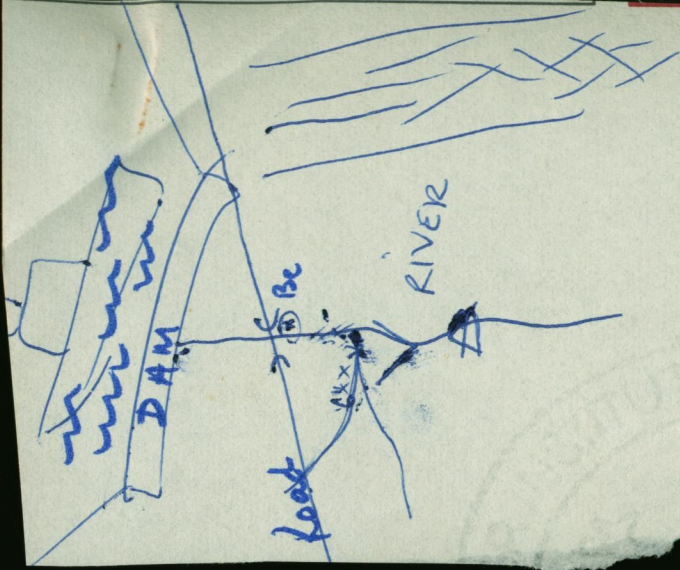
from to the W, abundant aplite blocks to
6" with felspars → 2", occas mica books
& a 6" diam qtz core found.

In Boulders just S of bridge, beryl
in peg. with schorl, qtz, felspars,
micas

J. Williams, "Further notes..." Tr. Duff Gall Nat Hist Ant.

Soc XLII (1965) 14-24.

Peg veins in granite near
sedim. contact with transp xls red & brown-yellow garnet
(pentag. dodechs occas. seen), also moscovite → 3 cms,
sillimanite. Pale smoky quartz.



LA TIERINGSHANS
N DAM, Time w
NEW GALLOUTY

DAM

NX 547 754

CLATTERINGSHAW'S RESERVOIR New Galloway,
Scotland (II)

Rothwell & Mason (1992) UKJMM II 30-40. Wulfenite,
tabular xls on hemimorphite from vein
exposed in ~~an~~ a cutting just below the dam
[D.R. Middleton, pers. comm, ident vis.]

1" 74, 81 2cm 84

NX 869 538

COLVEND MINE, Colvend & Southwick, Kirk.

See also DALBEATTIE etc.

JRF-S (1967) 22-3. At NX 869 538, mine ~
1000 ft E of Glenstocken Farm. NE vein,
2-4 ft. ass. w. felsite dyke in Silur
slates, has calcite, quartz,
chalcopryite, malachite, azurite.
Working in 1770 (Williams "The Nat. Hist.
of the Mineral Kingdom", 1810³ - who mentions
other Cu-bearing veins in area). No
later history or prod. data.

1"74, 81 2cm 84

NX 819 609

CRAIGNAIR GRANITE Q'y, Buittle, Kirk.

See also DALBEATTIE etc

J.W., TDGS(1965)16 Pale amber & red-brown
sphene xls to 4.5 mm from Craignair
granite Q, NX 819 609.
p17 Small bright green epidote xls in
quartz

1" 74, 81 2 cm 84

NX 83 61

DALBEATTIE, Kirkcudbrightshire. (I)

See individual localities in area:-

ALMORNESS POINT, BALCARY POINT, BRANDY COVE,
COLVEND MINE, GLEN OF SCREEL, HALFMARK,
HESTAN IS., LOT'S WIFE, MARBRUIE COVE,
NEEDLE'S EYE, PIPER'S COVE, (POWDRAGE BURN
- see MARBRUIE COVE), ROCKCLIFFE, (STEPS COVE, see
MARBRUIE COVE), BORELAND BURN, BUTTLE,
CAULKERBUSH, CRAIGNAIR GR. Q., KIPPFORD GR. Q.,
PALNACKIE.

PTO

J.M. Miller & K. Taylor Bull. GSGS 25 (1966) 1-18. "Uranium mineralization near Dalkeathie, Kirkcudbrightshire".
See individual locs.

Gangue:- quartz, clss, white, smoky, haem inclusions, or sometimes apatite grains. Dolomite, pale yellow. Calcite, "dog-tooth". Baryte rare (Marbrnie Cove only), Black vitreous hydrocarbon w. minute inclusions pitchblende.

Spec. haem, also earthy. Pitchblende, colloform bands to 20 mm, or sooty. Chalcoprynite, w. inclusions of pyrite cubes, & replaced by bornite & less by covellite; Xts in vughs. Nat. bismuth distrib in gangue - one solid lens. Minor niccolite, löllingite, sphalerite in some dolomitic structures. ~~8~~

DALBEATTIE, Kirk. (II)

Supergenes: haematite; zeunerite; well-x'd yellow-green plates in vughs; boltwoodite; uranophane, pale yellow earthy films & rad'g botry. crusts; erythrite & annabergite in stellate intergrowths w. assoc. zeunerite at Needles Eye. Zeuner & ery also together as encrust. on smoky qtz. Atacamite, connellite, bismoclite at Steps [see MARBRUIE COVE]. Mixite as alt prod of Bi at NEEDLES EYE.

J. Williams, "The Mineralogical Collection of the Dumfries Burgh Museum" Trans. Dumf. & Galloway

Nat. Hist. & Antiq. Soc. 1964, Series 3, vol XLI, 201-215

~~["J.W. (1964)"]~~ ["J.W. TDGS (1964)"]

J. Williams "Further notes on mineralogy in
Dumfries & Galloway" Trans Dumf. Gall.

Nat Hist & Antiq Soc. 1965 vol XLII 14-24
["J.W. TDGS (1965)"]

J.R Foster-Smith "The Non-ferrous metal mines of
S-W Scotland" (1967). ["J.R F-S (1967)"]

NX 582 636
DRUMRUCK M., New Galloway area, Scotland

Rothwell & Mason (1992) UKJMM II 30-40. Wingfemite
c/less to pale yell. fab. xls [K. Meikle; DR
Middleton, pers. comm, 1991, ident. vis.]

1" 74,81 2cm 84

NX 783551

GLEN OF SCREEL, Kelton, nr Dalbeattie, Kirk.

See also DALBEATTIE etc

JMM & KT, Bull 25 p7. Small amounts of
U [mineralisation] in ~~fractures~~ close to
~~margin~~.

p13 The W end of the Criffell granodiorite
is displaced by several large NW
faults, including the Glen of Screel
structure. N of the contact in the
Glen a WNW fracture zone traced
~ 100 yd across hornfels outcrops,
w. weak $\Rightarrow$ mod RA dolomite

1" 74,81 2cm/km 84

NX 876548

HALFMARK Colvend & Southwick, nr Dalbeattie, Kirk
See also DALBEATTIE etc

JM Miller & K Taylor Bull GS 25 1-18. p7 Small
amounts of U [mineralisation] in fractures
close to margin of Criffell granodiorite.
p.13 Hornfels nr Halfmark cut by 4
small NW RA fractures. The one nearest
the house is strongly RA & probably
contains pitch blende.

1" 74, 81 2cm 84

NX 83 50

HESTAN ISLAND, Buittle, Kirk.

See also DALBEATTIE etc.

JRF-S(1967) 22. At N end of Hestan Is.,
E of Auchencairn, at NX 1838 505, a
NE vein in Silur. slates has calcite
strings w. some malachite in them.
Tried, 19th Cent. No production recorded
Felsite dyke assoc.

1" 74, 81

2cm 84

NX 841 553

KIPPFORD GRANITE Q'y, Colvend & Southwick, Kirk.

See also DALBEATTIE etc

JW, TDGS (1965) 16 Sphene, red-brown granules,
e small poor-quality xls; Kippford
granite (disused) Quarry NX 841 553.

173

NX 5 7

KNOCKNAIRLING HILL, New Galloway, Kirkcud.

TGP Ziembra Priv Comm 5/72. Spec. ex Dumfries
Museum, labelled "Mica schist, from
Knocknairling, a short distance to the West
of New Galloway", examined RSWB. - Magnetic!
= Pyrrhotite + some chalcopyrite. TGPZ
says from altered sediments surrounding
granite.

J. Williams Tr Dumf Gall Nat Hist Antiq Soc (1965) 42,
"This famous loc for contact metamorphism"

visited → red & brown-yellow garnets, with
muscovite, biotite, sillimanite.

LAUCHENTYRE M., gatehouse of Fleet Scotland

Heddlie (1901) Wulfenite, chrome-yellow
transl. tablets, ~~first reported~~

Rothwell & Mason (1992) UKJMM II 30-40 The
wulfenite first reported anon in Geol Mag
(1865 & 1866). Confirmed by XRD

1" 74, 81 2cm 84

NX 910 558

LOT'S WIFE, Colvend & Southwick, Kirk.
See also DALBEATTIE etc

JMM & KT, Bull 25 1-18 (1966). Sea stack
traversed by RA haematized zone 10ft
wide with numerous veinlets of dolomite
& smoky quartz.

Lots Wife [Grid Ref: NX 915558] Small
specimens of quartz and specular hematite were
collected by most but the yellow radioactive
material was not be found this time. Meanwhile
yours truly had a short nap!

(RSN, 1996, 22)

1" 74,81 2cm 84

NX 902-5 554-6

MARBRIE COVE, Colvend & Southwick, Kirk(I)
See also DALBEATTIE etc

JM Miller & K Taylor Bull GS 25 1-18 (1966) The section
Powbrade Burn - Marbrue Cove - Steps is the
most heavily U-mineralised in the area.

Powbrade Burn, mouth of - 902 554. Has
strongly RA 'blows' at vein intersections,
with pitchblende. Veins from 1" → breccias
> 1 ft.

Hornfels cliffs of Mar. Cove have NW steeply
dipping veins to top to 400 ft inland. Some
smaller veins have well-developed crustific'n
zoning, alternating dolomite & smoky quartz.
On E side of Steps Cove, 2 irreg quartz

e dolomite filled veins in lower $\frac{1}{2}$ of cliff.
Pitchblende mostly conc. in E vein near
beach level where stockwork of dolomite
veinlets over area $6' \times 4'$ with pitchblende,
bismoclite, connelite, atacamite.

Baryte, radiating pink xls, platy, with calcite,
in one structure.

2 spec's atacamite ident from STEPS, one
with blue connelite; small amts bismoclite
in same vein.

JW, TDS (1964) 213. Limonite, bright-yellow, in
small pockets, at Craigneuk point [900 553]

MARBRUIE COVE, Colvend & Southwick, Kirk. (II)

RSWB & JRK, 7/68

STEPS COVE: A stockwork with thin coatings of minerals on joints. Occasional small patches of sulphides, eg. bornite. Good connellite, erythrite, ?atacamite, ?lavendulan; yellow square platy mineral. V pale green sheafy radiating mineral
prob. m-zellerite

RSWB & GR. 5/70 STEPS COVE: connellite etc.
MARBRUIE COVE (~904 555): thin veins with haematite, dolomite.

RSN (1996), 22

Marbruie Cove [Grid Ref: NX 905555] Having negotiated the channels and mud flats we arrived at the cove and set to with a will. Connellite, chalcocite, atacamite and malachite were soon found by all. Meanwhile, balancing on the edge of a buttress and looking like a hammer swinging siren, Harry Critchley soon found erythrite and possible trögerite. Thanks Harry for generously donating specimens to everybody. Eventually we had had enough and presented the lot to the British Museum.

BMSN(01)59, 12. Peter Hay
has coll. uranospinite

11
Martingarth farm, Troqueer, Kirkcudbright.

74 NX/96

Martingirth, 966680. Cargen, 9672. Cf. Cargen, Dumf,

Dudgeon, Min. Mag. 1882, 5, 33. Linarite in slag.

Several Roman Fe and Pb smelting places in this district [Cargen, "Dumfries"]; no written records; difficult to ~~see~~ conjecture where ore came from: nearest known Pb veins are 40 mls away, and only insignificant haematite veins nearby.

Slag at one of the Pb smelting places, on Martingarth farm, Troqueer parish, has well-formed linarite xls up to 2-3 mm long in cavities; no other xlined minerals in the cavities.

1" 74,⁸¹ 2cm 84

NX 913-5 561-3

NEEDLE'S EYE, Colvend & Southwick, Kirk. (I)
See also DALBEATTIE etc

JM Miller & K. Taylor, Bull GS 25 1-18 (1966).

2 fissure veins 50 & 70 yds E of natural arch converge upwards to unite at top of cliff where outcrop continues inland for 50 yds NW. Lower sections quartz veins extensively replaced by dolomite & 4-12 in wide. Halfway up cliff widen to 2 ft. w. dolomite gangue & pitchblende, hydrocarbon, chalcopysite and bismuth. At top veins are of a supergene enrichment of red earthy haematite w patches of strong RA. ✓

Another smaller 11" vein 50 yd to E has bismuth lenticle, 2 ft wide, several ft long of nat. bismuth occupying interstices in subhedral vein quartz. also as stringers in dolom & wall rock. Bi alters to mixite here.

Erythrite & annabergite, stellate intergrowths assoc. w. zennertite replace much dolom. near pitchblende.

JW., TDGS (1964) 213. Ca 200 yd W of the Needle's Eye a vein, through granite of quartz w. massive & botry. haematite, w. specular as minute xls lining cavities in qtz. The

NEEDLE'S EYE, Colvend & Southwick, Kirk (II)

quartz mainly white, ~~ex~~² massive, ~~or~~ amethyst
tinged at contact w. haem. Tiny scales
chlorite in cracks in the quartz.

~ 30 yds E of N's Eye close to granite
contact, splitting of Silurian shales
gave malachite, azurite, chalcopryite.
Here also bright-yellow limonite in small
pockets - altern of pyrite detected during
analysis. Limonite also at Craigneuk
point, Sandyhills. [900 553 - see MARBRUE COVE]

JW, TDGS (1965) 15. A vein 50 yd E of Needle's

Eye, NX 915562 has mass. & xline smoky quartz
w. U minerals, hence "smokiness." p17 Veins to
the E of N's Eye often have red granular
haem. assoc. w. Cu & U mins. A small (?)
trial along a vein of gran. haem, nr
cliff top ~ 15 yds E of N's Eye, horizontal,
& 104 ft long. Amethyst & haem occur
~ 75 yds W of N's E (Hedde, Vol I, p. 50;
TD&NHAS (1964) 213. The ameth. first descr by
H. Cunningham "Geognostical description of the
Stewartry of Kirkcudbrightshire" Trans.
Highld Agric. Soc. vol 8 p 708)
p 20. Chalcopyrite, in small amount, in

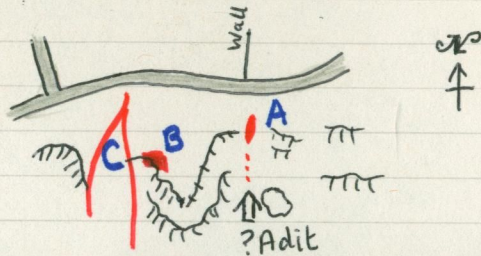
NEEDLE'S EYE, Colvendale Southwark, Kirk. (III)

calcite/dolomite assoc. w. U, Fe, & Co
minerals in a vein near N's Eye.

Malachite Uraninite. "Some
(?) Uraconite" [a dubious uranyl sulphate]
"may be present". A little smaltite
encrust'd by erythrite, & rarely
annabergite

RSWB, 4/67 V, 81-83.

A: Bismuth vein outcrop:
Native bismuth, with
mixite in sandstone-like
quartz — highly RA!



In the bismuth, traces orange-yellow needles walpurgite (X-ray, BM) assoc. with small brown spherules bismutite (X-ray, BM)

B Stockwork in a rock wall. Microcline blue & green minerals, brownish-yellow patches of powdery material (Bi oxid. products?). Langite (TR) blue laths.

C U veins. Pitchblende; pitch; uranophane, yellow delicate needles; Orange shiny botryoidal vandendriesscheite (X-ray, BM). Orange-yellow microcline? hexag mineral X-rayed by TMS, first thought to be bequerelite

NEEDLE'S EYE Colvendale Southwick Kirk (TV)
5/81 Ian Brough. SEM probe on brown-yellow sharp ψ -hex xls showed
only U with Z>8 - No Pb Ba etc. $\therefore$ SCHOEPITE. $\uparrow$ Assoc. needles have
Ca, Si, $\therefore$ u'phane.

Then concluded more likely schoepite, but
could be bequer. or billietite. [ie near schoepite]

Yellow "sugary" grains, often on the
vandendriesscheite, of BM X-ray - Pb-U-O-ag group
Very pale green blades in minute spherical
tufts BM X-ray - "a U mica"

RSWB & JRK, 7/68. V 121-124 (Also BM X-ray)
A: Bi. Vein. As before + eulytine (X-ray, ~~JRK~~ JRK &
TMS 3/69) pale green translucent botry-rad.
coatings on & around the Bi.

B stockwork: Small gypsum xls; chalcopyrite; bornite; langite; brochantite; quite good connellite; and at E end, quite good pink rad. ~~need~~ blades erythrite with pale blue micro-botry. lavendulan (IR).

C U-veins: As before + haem; qtz; dolom; black needles ? bismuthinite; ψ -hex orange xls ? billietite all from W branch.

JRK & TMS ~ 8/68 [near schoepite]

[2 BM xray "Lav. A"]

C U-veins (W branch): "Schoepite" (X-ray, TMS) yellow "chunky" xl aggregates. Lavendulan (IR, RSWB) excellent.

m-Kahlerite, pale creamy yellow, not quite square, ~~IR~~ (X-ray, TMS) assoc w. m-zeunerite. Malachite (BM xray)

NEEDLE'S EYE, Colvendale Southwick, Kirk. (V)

RSWB & GR 5/70. B. stockwork. Not much left.

C U-veins, W branch: α -uranophane straw-yellow needles. V small bright yellow xls - 1 specimen

(RSWB 70-92), half $\rightarrow$ BM for X-ray $\rightarrow$

A layer-lattice uranyl arsenate, brown-yellow to green-yellow plates tending to cluster $\rightarrow$ spherules;

1 good specimen (RSWB 70-94), containing some

? uranophane, half $\rightarrow$ BM for X-ray $\rightarrow$

Excellent lavendulan; tyrolite sheaves (IR);

mixite, glassy dark green globular (IR); grey

Tennantite (X-ray - Rushton M/c Mus); nat bismuth

wulfenite (chem - MoO_4^{2-} present), grey-brown

(BM X-ray)

plates to tablets to "cukes" to needles.

Poorly xhsed cornubite ^(BM xray) with the lavendulan etc.
Pitch, tennantite (BM xray)

(Already reported)
(v. supra)

5/81 Avril Woodburn informed me that
rammelsbergite & possibly annabergite
have been found & checked (check with
BM)

ALivingstone (1993) Scot. J. Geol. 29 7-101
Nováčekite

NEEDLE'S EYE, Colvendale Southwick, Kirk. (VI)

19 May: Needles Eye, Solway Firth,
Dumfries & Galloway.

The party met at the appointed time and place and proceeded to descend to Needles Eye. This I found to be rather alarming as I do not like steep grass slopes. Near the bottom we investigated a small outcrop where we collected some small quartz, specular hematite, white and yellow efflorescences and some yellow plates. The latter are most probably a radioactive mineral as the quartz surrounding the plates was burnt black.

We then moved west along the beach to an outcrop of copper mineralisation. Everybody collected some connellite, chalcocite, covellite, possible atacamite and some green and yellow earthy material which needs further investigation.

You have to keep an eye on the tide here, especially when there is a strong wind off the sea, as it can race in and cut you off! It was then back to the cars via the now seemingly steeper grass slope and on to our next port of call.

RSN(1996) 29

18 May 1996 Dalbeattie area

Leader and Reporter: Ken Savage

Needles Eye [Grid Ref: NX 915561] The party assembled and walked to the upper bismuth locality... come down, sometimes sooner than later! After this locality had been duly videoed, the rest of the party walked down to Needles Eye where we collected some poor amethyst from the cave. From a beach boulder we collected specimens of connellite, malachite, copper and chalcocite. Ian Dossett and Norman Thomson climbed up the steep grass slope and found the other bismuth locality (specimens were collected for all, thanks lads). After lunch the party reassembled and

BMSN(1997) 46 2. BMScoll
Pres. T. Neall. Bismuthinite;
novacekite; uranophane

RSN(1996) 28

1" 189

SW 57 33

BOSWORGEY M., St. Erth, Cornwall

SW 54 335

CMRM (1995) Andalusite

Tim Neall Priv Comm 8/98 Spec's → RSWB.

From upper part of W vein just below
the haematitic top portion:

small
needles bismuthinite; arseniosiderite, thin.
cream-brown fibrous crust; metazirconite.
Novacekite

1" 81

NY 773 467

ORROLAND, Dundrennan, Kirk.

Hedde

Azurite, "near house

Orraland".

1"74, 81

2cm 84

NX 82 56

PALNACKIE, Buittle, Kirk.

See also DALBEATTIE, etc.

JW., TDGS (1964) 211 One spec. of banded chert
- GLEN ISLE, near Palnackie & opposite Kippford,
Kirk. - in a metam'd mudstone.

GLEN ISLE - a promontory 832-4 546-551.

NX 525 607

PIBBLE MINE, Creetown

Scotland

Rothwell & Mason (1992) UKJMM !! 30-40. Wulfenite,
dark orange, thick tab. plates on gozzany
quartz [P. Braithwaite, pers. comm., 1991]

1" 74,81 2cm 84

NX 890 546

PIPER'S COVE, Colvend & Southwick, Kirk.
See also DALBEATTIE, etc.

JMM & KT, Bull 25 1-18. Haematized
siliceous breccia with weakly radioactive
veinlets of smoky quartz, exposed in
at least one adit, 200 ft long driven
into the vein from the end of a
narrow sea cave.

8" vein of moderately radioactive
yellow dolomite w. smoky quartz vugs
& included hornfels blocks at the back
of a small cove; at 891 546.

Small patchily RA veins around
Fishers' Seat - 894 548 - a prominence at

Saltpan Rocks.

Note The "Needles Eye" here on OS maps is not to be confused with that at NX 913-5 561-3.

JRFS (1967) 23. Mine at NX 890 546, just to W of Sandyhills Bay. NE vein in Silur Slates, with calcite & quartz in which some copper ore. No details of history or output seen.

1" 81

NX 809 484

RASCARREL M., Auchencairn, Kirk.Copper ore, baryte

Rascarrel Mine [Grid Ref: NX 809484] and Auchencairn Mine [Grid Ref: NX 819484] The group of us, now nine in number, parked at Rascarrel Bay and walked along the coast. After about a mile we found - on the beach - signs of mineralisation just before the ascent up the headland. This we took from our reference to be Rascarrel Mine. RSN (1996) 29

Here we found malachite, baryte, a little azurite and some possible aurichalcite. We then walked up the headland and after almost reaching Balcarry Point decided that we could not find any trace of Auchencairn Mine and retraced our steps. The weather was glorious and we spent the time watching the antics of the breeding birds on the cliffs - when we weren't watching our footing - which made up for the lack of minerals. Although it was now 4pm we decided to try another mine close by.

1" 81 2 cm 84

NX 84 53

ROCKCLIFFE, Colvend & Southwick, Kirk.

See also DALBEATTIE, etc.

JMM & KT Bull 25 1-18 (1966) Weakly RA
quartz-dolomite mineralisation located
on shore S of Rockcliffe [ie near
850 530], at Castlehill Point [85 52]
& opposite Gutcher's ~~Isle~~ Isle [863 527]

JW., TDGS (1964) 211. Half way down the E
side of the second inlet W of the monument to
the "Elbe" at Glenstocking $5/6$ ml ESE of
Colvend Church, small vein of calcite
with dolomite, bornite & malachite. On

W side, at same level, a small vein of haematite. Dendrites in almost all the rocks.

JW, TDGS (1965) One sample of pale vein-amethyst in quartz, found on the Kippford Shore [$\sim$ 83-4 94-5], poss. drift material from the Craginair district.

1" 81

NX 8953- 8954

SANDYHILLS BAY, Colvendesouthwick, Kirk

RSN(1976) 29

Sandyhills Bay/Needles Eye [Grid Ref: NX 894553-891546] It was a pleasant walk along the beach to Needles Eye. All we found were some small, but nice, quartz crystals. — It was just like being a kid again as we explored every cove and cave. Then it was back to our lodgings and evening meal.