

GLOS.

T.C. Cantrill, R.L. Sherlock & H. Dewey. "Fe ores, Sundry unbedded
ores of " SRMRGB 9 (1919)

S. Smith, Proc Bristol Nat Soc. (1943) 9 406 (MA 16 108)

"17th Cent Observations on rocks minerals fossils etc
of glos. & Som." Idem, Ibid (1946) 27 93. Owen's
"Observations".

A Hall & W.J. Kennedy. Proc Roy Soc (1967) B 168 377 Aragonite
in fossils

Azurite

Glos

Henbury

Westbury-on-Severn

Wick &

Allophane

glos.

Chipping Sodbury
Woodlease Q ✓

Al minerals, unspec.

Glos

Woodleaze Q

Alumohydrocalcite

glos

Woodlaze Q

Apatites

Glos.

Blockley SP1634 [carbonate-fluorap]

Aragonite

Glos

Glos

BARYTE

GLOS

Durdham Down, Clifton

Clifton

Redland

Henbury

Chipping Sodbury

Churchwood Q (?)

Wick Q

Westbury-on-Trym

Baryto calcite

glos

Chipping Sodbury Champstead Farm;
prob misprint for barytocelestine)

BARYTOCELESTINE

GLOS

Almondsbury
Chipping Sodbury
Clifton

Alveston
Redland
Yate

Basaluminite

Glos

Chipping Sodbury

Bindheimite

Wick Q (??)

Bituminous minerals,

gbs.

Forest of Dean (coal)

Hot wells; Clifton (asphalt, petroleum)

Avon Gorge (bitumen)

Blixite

glos

See Mercedite

CALCITE

Woodford Bridge, Berkeley
Clifton
Hall End Farm, Yate
Yate Rocks

Aston Magna
Bristol
Northern United Coll'y, Cinderford
Avon Gorge
Henbury
Yate
Chipping Sodbury
Westbury-on-Trym
Thornbury

GLOS

Churchwood Q
Wick Q

CELESTINE

Berkeley
 Charlock
 Clifton
 Oakfield, Clifton
 Pyll Hill, Clifton
 Aust
~~Aust Cliff~~
 Barbers Court, Wickwar
 Cowship Farm, Wickwar
 Yate
 Bagstone, Y
 Big Christopher, Y
 Brickhouse Farm, Y
 Goosegreen Farm, Y
 Hall End Farm, Y
 Little Christopher, Y

GLOS

The Moors, Yate
 Onions, Y
 Rectory Farm, Y
 Swan Inn, Y
 Westerleigh, Y
 Wickham Hall, Y
 Yate Lawn, Y

Bedminster
Redland
Wickwar
West End Farm, (Yorw)
Thornbury
Chipping Sodbury
Churchwood Q (C?)
Wickwar Q

Cepussite

glos

Henbury

Wick Q

Cesarolite

glos

Wick Q

Chalcedonic silica, etc.

Glos

Barkers Court, Wickwar ("silica")

Cowship Farm, Wickwar ("silica")

Pyll Hill (jasper)

Mickleton (agate)

Micklewood (agate)

Dressing Green, Tortworth (jasper)

Wick Q ("jasper") (?)

Chalcocite

Glos

Westbury-on-Trym

Chalcophyte

glos

Avon Gorge

Henbury

Blockley

Westbury-on-Trym

Wick ♀

CHALYBITE
See SIDERITE

GLOS

Chamosite

glos

Wickwar (Magnesian chamosite)

Chloroxiphite

Glos

Henbury Hill

Westbury-on-Trym

Chrysotile

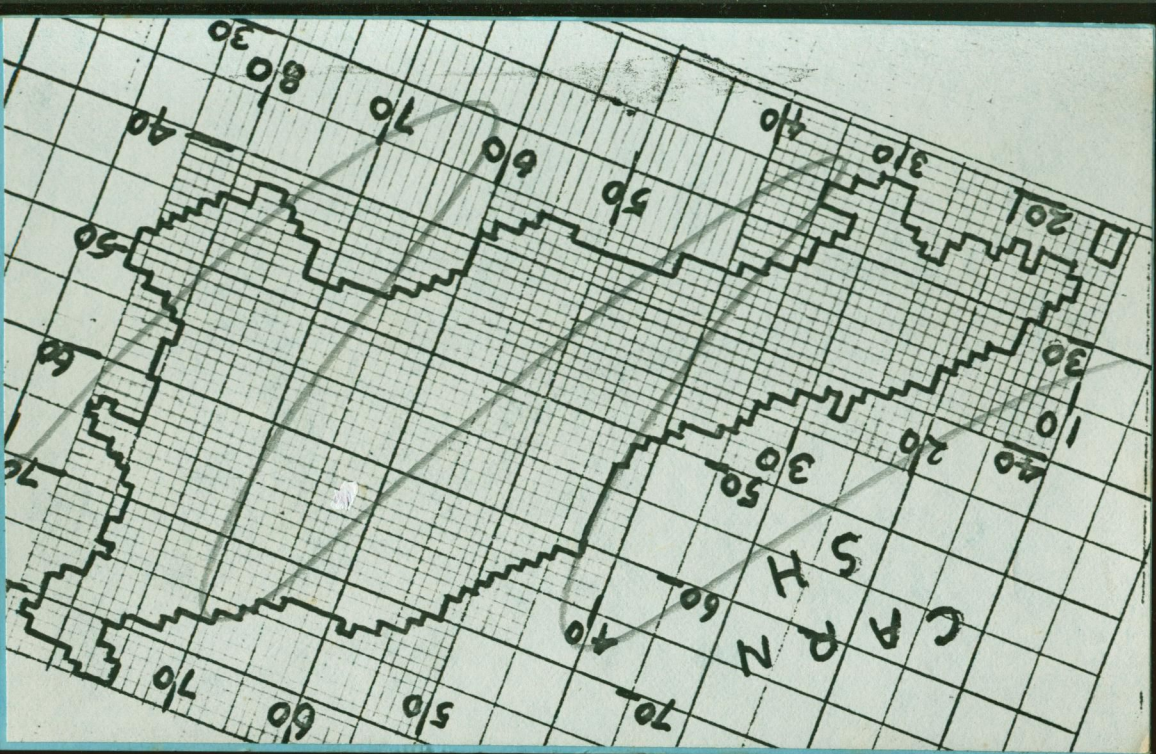
Glos

Westbury-on-Trym

Cinnabar

Glos.

Westbury-on-Trym



Copper minerals, unspecified

"COPPER ORE"

GLOS

Popes Work, Henbury

Covelline

Glos

Westbury-on-Trym

Crednerites

Glos

Westbury-on-Trym (Phase C)

Descloizite

glos

Westbury-on-Trym

DOLOMITE

GLOS

Forest of Dean

Avon Gorge

Coleford

Dundasite

glos

chipping Seedbury

FLUORITE

GLOS

Avon Gorge

Clifton

Pyll Hill, Clifton

(Bristol ~~£~~ Quartz pseudo after)

Blaise Castle

Chipping Sodbury

Churchwood Q

Wick Q. (?)

Wickwar Q

"Francolite"

See APATITES

glos

Fuller's Earth [[?] Montmorillonite]

Glos

Northleach

GALENA

GLOS

Durdham Down, Clifton

Bristol

? Pen Park Hole

Henbury

Chipping Sodbury

Churchwood Q

Wick Q

Westbury-on-Trym

Gibbsite

glos

Chipping Sodbury
Woodleaze Q

GOETHITE, "LIMONITE" "OCHRE"

GLOS

Clifton

The Moors, Yate

Forest of Dean

Avon Gorge

Chipping Sodbury

Wick &

Coleford

Clearwell Cave (ochre)

Westbury-on-Trym

gold

glos

Little Tainton (supposed gold mine)
Yate Acres in celestine)
Bailey Level, For of Dean

"GREENEARTH" (of T.M. Hall) [2=GLAUKONITE] GLOS

Woodford Bridge, Berkeley

GYPSUM

GLOS

Aust

~~(Aust Cliff (satin spar))~~

The Moors, Yate

Thornbury

Pyell Hill

Clifton

Chipping Sodbury

Wingmoor Farm

Wick & (?)

HAEMATITE

GLOS

Durdham Down, Clifton

Forest of Dean

Wigpool mine, Mitcheldean

Bristol

Kewen

Clifton

Yate

Avon Gorge

Wickwar

Chipping Sodbury

Westbury-on-Trym

Hausmannite

glos

Westbury-on-Trym

HEMIMORPHITE

GLOS

?Bristol

"Hydrocerussites"

glos

Westbury-on-Trym
Wick Q

Iron minerals, misce unspecified

glos

Clifton - (fascety iron ore)

old Park Iron mine

Henbury - (Fe oxides)

Chipping Sodbury - (Fe oxides, "iron sulphate")

Wingmer Farm ("Clay-ironstone")

Kasolomite

Glo c.

? Northern United Colly, Cinderford

Kombatite ("K")
+ K-like phase ("L")
Westbury-on-Trym ("K, L" phase)
glos.

Laurionite

glos

Henbury Hill [? para?]

Westbury-on-Trym

Lead, native

glos

bristol (error for artifacts)

Lizardite

glos

Westbury-on-Trym

Malachite

Glos

Henbury

Westbury-on-Trym

Westbury-on-Severn

Wick Ⓞ

Manganese minerals, misc/unspecif. Glos

Clifton - black Mn ore

Henbury - Mn oxides ✓

Westbury-on-Trym

chipping Sodbury - oxide

Manganite

glos

Bristol

Westbury-on-Trym

Marcasite

glos

Chipping Sodbury
Wick @ (?)
Churchwood @

Melanotekite

Glos

Westbury-on-Trym

[Combe Farm Q] (2)

Mendipite

glos

Henbury Hill (?)
Westbury-on-Trym

Mereheadite

Glos

Westbury-on-Trym (?)

Montmorillonite

See Fullers Earth

glos

Para aluminohydrocalcite

Glos

chipping Sodbury

Paralaurionite

glos

Westbury-on-Trym

Parkinsonite

glos

Henbury Hill

Westbury-on-Trym (Westley M) some, more
orange, = Kombaticite

Phosgenite

glos

Westbury-on-Trym

Plattnerite

glos

Henbury Hill

Westbury-on-Trym

PREHNITE

GLOS

Woodford Bridge, Berkeley
Woodford

PYRITE

GLOS

Aust

Aston Magna
Northern United Colly, Cinderford
Avon Gorge
Thornbury
Chipping Sodbury
Westbury-on-Severn
Blockley
Wingmoor Farm
Churchwood Q
Wick Q

Wickwar Q
Westbury-on-Trym

Pyrolusite

glos

Henbury

Westbury-on-Trym

QUARTZ

GLOS

Clifton (including amethyst)

Durdham Down, Clifton

Pyll Hill (jasper)

Mickleton (agate)

Micklewood (agate)

Barbers Court, Wickwar (silica)

Cowship Farm, Wickwar (silica)

Dressing Green, Tortworth (jasper)

Yate district

Bristol

Portishead railway (SOMERSET)

Woodleaze Q

Chipping Sodbury

Wick Q

Quelitic

glos

Chipping Sodbury (Hamstead Fm Q)

RHODOCHROSITE

GLOS

Clifton - Tunnel under Clifton Down"

Westbury-on-Trym

Rickturnerite

glos

Westbury-on-Trym

Sahlinite ("S")

glos

Sahlinite-like phase ("L")

Westbury-on-Trym S, L

Scarbroite

glos.

Chipping Sodbury
Woodledge Q ✓

SIDERITE

GLOS

Forest of Dean

Micklewood ("Iron Spar")

Smithsonite

glos

Wick Q (?)

SPALLERITE

GLOS

Aston Magna

Patchway

Chipping Sodbury

Blockley

Churchwood Q

Wick Q

Westbury-on-Trym

Sulphur

9/05

Wick Q (??)

Thenardite

Glas

Wingmoor Farm

UMBER

GLOS

Forest of Dean

Vanadinite

glos

Westbury-on-Trym

Vivianite

Glos

Clifton

"Wael"

Glos

Westbury-on-Trym

Wulfenite

glos

{ Henbury (Coombe Farm Q)
{ Westbury-on-Trym (Wesley M)
Wick Q

1" 156

ST 60 83

Almondsbury, N. of Bristol, Glos.

See also BRISTOL, etc.

Specimen sent to AWGK, 1961: barytocelestine, recently collected at junction $\frac{1}{2}$ ml. S of Almondsbury, on A38 Filton bypass. [IR.25843], N of Bristol

1" 156

ST 63 88

ALVESTON, glos.

Parkinson's Catalogue (1959)

Barro to celestine, white platy.

ASTON MAGNA, glos.

1" 144

SP 19 35

GR, 4/55

ASTON MAGNA BRICKWORKS (Lias), visited at
suggestion of AWGK. ^{→ SP 198 356}

Sphalerite xls in
doggers in the clays, with some pyrite &
vein calcite of a curious yellow colour,
(which does not, however, contain zinc or
cadmium. Partial anal (GR 2/59): CaCO_3 94.0;

FeCO_3 3.9; $\text{Fe}_2(\text{CO}_3)_3$ tr. Present: Mn, Sr, Ba. Not
detected: Zn, Cd, ?Mg.)

AUST ^{glos}
See also THORNBURY

TMH (1868) Aust, Thornbury, in Red Sandstone: Celestite;
pyrite; gypsum, var selenite.

Parkinson's Catalogue (1959). Gypsum, small lenticular
crystals lining cavities in massive; var.
alabaster, pink & white; var satin-spar, pink
& white.

Rayner's Catalogue (1960). Gypsum, var. Satin spar -
AUST CLIFF

BM: Vg pale blue transparent celestine xls -
AUST CLIFF

GEL (1858). AUST PASSAGE: Celestine, gypsum, pyrite - cubes in
sandstone.

AVON GORGE glos (e Som). (I) [See also card II - map e section]
cf AVON GORGE (Som)!

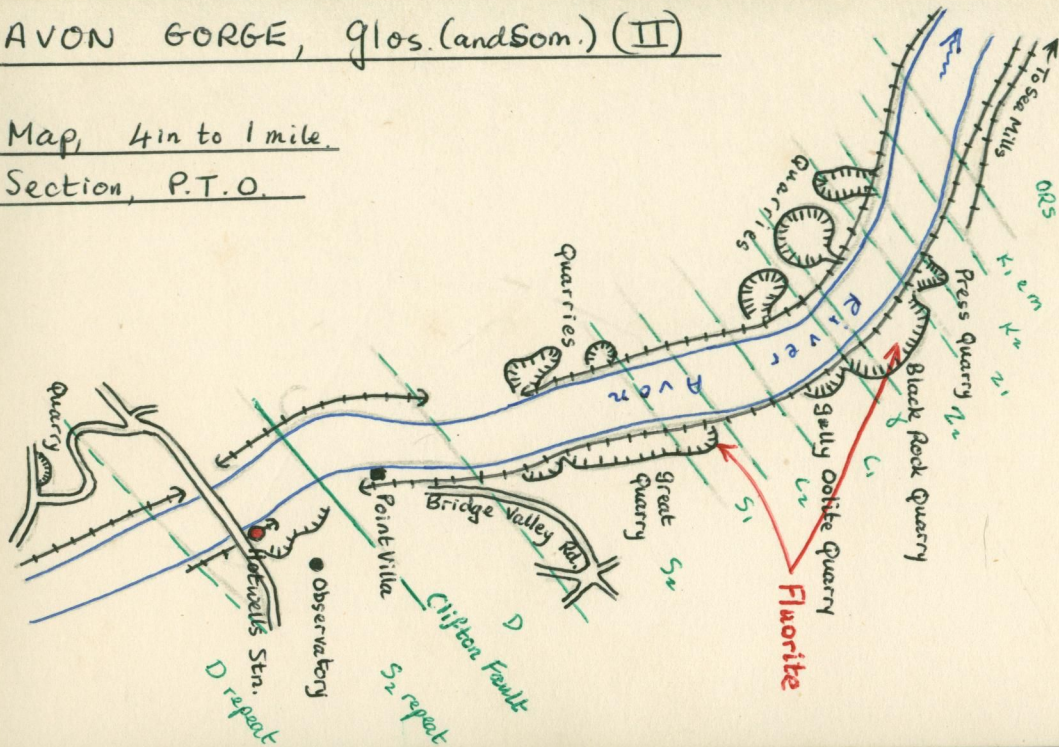
Loupevine, Proc Bristol Nat. Soc. 28, 203 (1951). Fluorite
GREAT QUARRY [ST 563 740] pink, blue, purple
or brown in a band of dolomitised
limestone, with dolomite, haematite,
goethite, pyrite, chalcopryite, calcite,
& bitumen. Also BLACK ROCK QUARRY

SG Perceval, Geol Mag (1873) 10 166. Fluorite - Great Quarry.

AVON GORGE, glos. (and Som.) (II)

Map, 4 in to 1 mile.

Section, P.T.O.



ST

67 87

BAGSTONE, Yate, glos.

See also YATE, etc

SRMR6B III (1938).

Celestite.

1" 142 or 155 or 143?

BAILEY LEVEL

50 63 20?

Forest of Dean, Glos

Russ Soc Newsletter (1995) 27 42 (Refers to
(WMS) NAMHO Newsletter 26)

Gold in BAILEY LEVEL, For. of Dean, last
worked in 1908.

? Baileybrook 63020 Bailey 634 210 } 1" 143
Bailey Inclosures 6319 6419 6420 }
Blairze Bailey 67 11 }

ST/78 708881

BARBER'S COURT, Wickwar, Glos.

See also WICKWAR, etc.

SRMRGB III (1938). Celestite, saccharoidal, with silica.

RSWB, GR, TBG 1962: Opencasts being worked
at 705873 & 707862

1" 156

ST 56 71

BEDMINSTER, Bristol^(SW), ~~W~~glos.

TMH (1868), 67: Celestine.

ge L (1858). Celestine in the bed of the river
at BEDMINSTER BRIDGE

BERKELEY glos.

See also WOODFORD BRIDGE; ~~WOODFORD~~.

TMH (1868), 61. Agate; celestite.

GeL (1858) Celestine at "Berkeley, Somerset".

ST 78

BIG CHRISTOPHER, Yate, glos.

See also YATE, etc.

SRMRGB III (1938). Now worked out, "see previous edition".
Celestike

BISHOP'S CLEEVE, glos

See WINGMOOR FARM.

R.J. King (1997) Russ. Soc. Newsl. 30

1" 1559/6

ST 5578

BLAISE CASTLE, Henbury, Glos.

SRMRGB 4 (1952) "F" p15

A little purple fluorite
in clay from fissured Carb. Lim. cut by
a boring at Blaize Castle near Bristol

1" 144

SP 16 34

BLOCKLEY, glos.

MA 81-3223. Hewitt, R.A. "Microstructural contrast
between some sedimentary francolites". ^{J. Geol. Soc} (1980), 137, 661-7

Granular & prismatic francolites
[carbonate-fluorapatite] in concentrically
banded phosphatic nodules from Lower
Lias of Blockley, interpreted as having
originally been phosphatic burrows.

PTD

R. Soc. N. (1994) 25
Blockley Station Quarry

Ian Dossett

Members of the Cheltenham Spa Mineral and Geological Society collected sphalerite, chalcopyrite and pyrite in fossils and clay nodules from the Jurassic Pleinsbachian beds at Blockley Station Quarry, Blockley, Gloucestershire.

SP 18 36

Mary Hyde

50 60 05

BREAM, Forest of Dean, glos

See OLD PARK IRON MINE; FOREST OF DEAN

ST

714 833

BRICKHOUSE FARM, Yate, Glos.

See also YATE, etc

SREARGB III (1938). No longer worked for celestine.

BRISTOL, Glos

ST 57

See also AVON GORGE; CLIFTON; BEDMINSTER; PORTISHEAD RLY;
REDLAND; PROVIDENCE MINES (SOMERSET); WINFORD (Som).
ALMONDSBURY; PEN PARK HOLE; DURDHAM DOWN; HOT WELLS;
OAKFIELD; PYLL HILL; PATCHWAY; THORNBURY; HENBURY;
WESTBURY-ON-TRYM; BLAISE CASTLE; POPES WORK.

TMH(1868): "Near Bristol", in Carbond N.R.S. Calcite;
celestine; galena; manganite; hemimorphite.*

GeL(1858): "The native lead mentioned in the edition of
Phillips mineralogy by Brooke & Miller as
occurring near Bristol, originated in the firing
of rifle-bullets".
Hemimorphite, with galena - near Bristol *

* BUT see AW&K's note on hemimorphite, Mendip Hills, Som.]

quartz, pseudo after small fluonite cubes;
specular haematite in lias, near Bristol.

"Calcareo-sulphate of strontian" of Thomson, which
has also been called cliftonite, from near
Bristol - it is an impure celestine. Calcite,
abundant, near Bristol. Celestine, near Bristol.

Sherlock SRMRGB III 77 (1938). Celestine is known
in Bristol area as "spar" or "strontia". From YATE,
also, eg. OAKFIELD, Clifton. (see Stoddard, Proc. Bristol
Nat. Soc. 2, 44 (1877)), also Baker, ibid 9 161 (1902). Mainly
from Keuper marl (mostly in the upper red marls
below the green, ~~occasionally~~ occasionally in the
green; marls often mottled)
R. Bradshaw. Proc Bristol Nat Soc. (1968) 31 439 (MA 20 172) Quartz-
"Bristol diamonds"

CHARLOCK, glos.

Spec. in St Pauls Sch. (SPS 130). Celestite, white mass. Coll. ca 1952,
pres. by E. H. Williams, Esq.

1" 156

ST 78

7382

CHIPPING SODBURY, Glos. (I)

See also YATE etc. WICKWAR, etc.

Sherlock SRMRGB III 77 (1938). An anal. spec of
barytocelestite [GSSP (1902), 60] came from Chipping
Sodbury

MA 82M/2585 SOUTHFIELDS Q., Ch. Sod., Avon. Carb. Lim.
At least 2 phases of calcite-baryte-galena-
sphalerite-pyrite mineralisation; dissem.
galena in Rhaetic black shales; also a
35-cm thick bed of calcite-baryte-
celestine-galena nodules, max diam. 10 cm
immed. ~~below~~ above the Lower Cromhall

sandstone & within 5m of the ENE sinistral
wrench fault (mineralised [1st group])

24th June 1989 Hamsted Farm Quarry, Chipping
Sodbury, Gloucs. Seventeen members arrived at
11.00am for a return visit to this new quarry. Considerable extensions had been made both to the north and south since our last visit in 1987, removing some of the more interesting areas of mineralisation. Consequently, the material found was not of the quality seen on our previous visit. However specimens of sphalerite with pyrite/marcasite were collected, and on the lower bench of the quarry a 4in wide vein of pyrite/marcasite with baryte and calcite was noted.

Overburden stripping to the south has revealed a 12in vein with evidence of aluminium based minerals not yet identified. This area also provided a varied assortment of gypsum crystals up to 2in in length; looks promising for a possible future visit. [Editor's note: please refer to Newsletter No.14 pp.9-11 for a more detailed account of the geology and mineralogy of this locality.]

OS 1" 156 has

"Hamstead Farm" at
728 843 ~ 1/2 ml
E of The Rocks quarry.

See (II)

F. Ince (11/91) has v.g. pale brown
transluc. sphal xls on pyrite
xls coating pink baryte
from large radiating nodule.
Also v.g. calcite scalenohedra
to ~ 2 inches

CHIPPING SODBURY, glos. (II)

C. Alabaster. J. Russ. Soc. (1990) 3 49-59

HAMPSTEAD FARM Q'y, at ST 728 843, in Carb. Lim. partly overlain by Jurassic & Rhætic Seds of black pyritic shales passing up to grey marls. E-W and N-S, sets of mineralised faults, E-W the most mineralised with calcite, baryte, pyrite, marcasite, galena, sphalerite. Gypsum also found. In SE part oxidation has formed a cellular mixt of iron oxides locally with manganese oxides & white Al minerals: — ^{glassy} allophane, basaluminitite (compact earthy), dundasite hemispheres; powdery to porcellanous gibbsite, vuggy veinlets of

paraalumohydrocalcite; massive earthy
to compact scarbroite.

MF Brooke (1994) "Fluorite at Hampstead Farm Q'y, Ch.
Sot, Avon: a new British occurrence." J. Russ Soc 5
[2] 103-107. HAMPSTEAD FM Q'Y ST 728 843
on W side of B 4060. In 1985 a baryte-calcite-
sphalerite-pyrite vein like that at the adjacent
SOUTHFIELD'S Q'y exposed. By 1987 only a
galena-rich stringer left. Since then
other veins exposed one with fluorite
crystals, c'less-yell-purp, cubes & modif. cubes
→ 3 mm, usually ~ 1 mm. Allophane; baryte;
basaluminite, calcite, ~~dundasite~~ dundasite, gibbsite,

CHIPPING SODBURY HAMSTEAD FARM Qy, Chipping Sodbury, (III) Glos.

Brooke (cont'd)

goethite, gypsum, haematite,
"iron sulphate" maseanite
para-alumohydrocalcite
quartz, scarnbrooke
also reported

But once again, Hamsted Farm Quarry, Chipping Sodbury proved to be the highlight. Not only did it attract very good numbers but also many excellent specimens were found. The rich salmon-pink massive baryte was still fairly abundant and contrasted well with the inclusion of brilliant black sphalerite. Several small complex cube-octahedral galena crystals to 5mm were found in association. Exceptional botryoidal and stalactitic masses of highly iridescent pyrite occurred infrequently lining well-developed cavities in the limestone. Two unusual finds included goethite on calcite displaying a remarkable 'butterfly-wing' habit, and pale lemon fluorite crystals to 1mm richly coating a pink calcite matrix. The fluorite fluoresces pale green in short-wave ultraviolet light. This is believed to be the first recorded occurrence at the quarry and was found amongst recently blasted material at the southern end. None was found *in situ*.

R. Soc. N. (1994), 25
Hampstead Farm Quarry, Chipping
Sodbury, Avon [Grid Ref: ST 726 841] -
2 June 1994

SB, Leader: Jim Goulding

The Quarry Manager had restricted our party to twelve members, which was strictly adhered to by the Southern Branch Field Trip Secretary. At

PTO

necessary incident, the visit seemed to be enjoyed by our party, and some good specimens were found. The morning was spent exploring the southern end of the quarry as required, because work was going on at the other end until 1.00pm. This is the end where yellow and purple fluorite has been found in the past. No yellow was found on this occasion, and the small traces of purple were mostly just crusts. After lunch the north end of the quarry proved to be barren, but the new, lower level in the centre of the quarry produced some interesting mineralisation and some nice specimens.

The salmon-pink banded baryte, with sphalerite and galena banding, has reappeared at this level. It was a feature of collecting in the quarry two years ago at a higher level. Iridescent pyrite, with pale straw-coloured, almost clear sphalerite crystals, was in evidence in quite large pieces. To the right at this level, substantial amounts of sphalerite were found, including some 'gemmy' crystals.

A. Rankin (1997) Russ. Soc.
Letter 30, 21-22 (Report
by F. Sharp on a lecture)
"Cave mineralisation at
Hampstead Farm quarry"
sphalerite, galena,
pyrite, celestine,
marcasite

RSN(1998)32.14-15 Visit.
[Nothing new]

RSN(1999)34 celestine, fine
lustrous small clear blades on
pink calcite & galena etc.
tealophane

CHIPPING SODBURY, glos. (IV)

RSN (2001) 38 17. HAMSTEAD F'M Q. Much baryte & pyrite @ N end. S end where nice yell fluorite was, now abandoned.

Banded sphalerite on blocks of pink baryte - celestine "on the old dump level", with feathery white Ba & xls of brown sphal. Sphal xls (good) on bottom level.

BMSN(01) 59 12. Steve Burchmore from "CHIPPING SODBURY Q" [which?] had 'reticulated' marcasite with "what appeared to be octahedral pyrite xls round the edges."

RSN(2001) 39 23. Bob Symes Queitite from
HAMSTEAD FARM

BMSN(2001) 60, 16. Ann Padfield:- reticulated
marcasite from "CHIPPING SODBURY QUARRY"

RSN ('04) 44, 21. Visit. New(?) is "baryto calcite"
clusters [prob. error for barytocelestine]
"HAMSTEAD FARM, 728 843"

1"156

ST 715 900

CHURCHWOOD QUARRY, Cromhall, nr. Wickwar, Glos.
= WICKWAR EAST Q. See also WICK Q, WICKWAR Q, WICKWAR

RSN (1998) 32, 14-15 (Jim Goulding), Visit. Working.
Some galena; calcite veining; purple
fluorite mostly massive; pyrite
botry. Clusters of cubes, with "white"
fluorite embedded in it. "A vein of quite
beautiful possibly pink celestite [?], calcite
& sphalerite banding with a separate
band of pristine bright pyrite crystals."
[Is the "celestine" pink baryte??]

RSN (1999) 34, 13 Calcite, celestine, baryte, pyrite,
fluorite in vein on W face - small purple cubes

RSW (102) 40, 28. Visit 9/01. Calcite scaleno,
some coated w. pyrite. On S face small
interlocking cog wheels marcasite. In a
small cavity high in bottom level found
celestine nodules.

1" 143 SO 63 15

CINDERFORD, Forest of Dean, glos

See NORTHERN UNITED COLLIERY.

CLEARWELL CAVE, For. of Dean, Glos

BBC TV 1/06 currently being worked
by local(s) for ochre (limonite)

CLIFTON, glos.

See also DURDHAM DOWN; HOT WELLS; OAKFIELD; PYLL HILL; BRISTOL, etc.

TMH (1868), 61: In Carb Lim: Amethyst; calcite; celestite; fluorite; goethite; rock xl.

Sherlock SRMRGB III 77 (1938). Celestite - Stoddard, Proc. Bristol Nat. Soc. 2, 44, (1877); Baker, ibid 9, 161, (1902) ^{From OAKFIELD}
Barytocelestite - Collie ibid 2, 292, (1879) [qv]

G. Mus. ~~the~~ "Tunnel under Clifton Down, Bristol" -
Rhodochrosite (drusy coating on dog-tooth calcite; & massive), with solid black manganese ore (Geol Surv Summ Prog for 1955) - Donation
goethite or (?)

P. Kingsmill Min Realm (1983) 2[4] 29 goethite - Clifton, Glos

GEL (1858): Fluorite xls, scarce; Calcite, from CLIFTON DOWNS, in large xls, a few feet from the surface; e var. "anthraconite" i.e. calcite coloured black & opaque by carbonaceous matter, "along the Avon at Clifton". Baryte; celestine; gypsum; red haematite; jaspersy iron ore; goethite in geodes, in beautiful tufts resembling onegite and flèches d'amour. Limonite at several loes, eg WRINGTON HILL, nr Clifton. Vivianite, in alluvium. Quartz ("Bristol diamonds"), e var. amethyst, very fine, penetrated by lance-like xls of hydrous oxide of iron [goethite], which sometimes project $\frac{1}{2}$ ". Stalactitic quartz; ferruginous quartz, with haematite.

COLEFORD, Glos.

Daily Express 10/5/71. Caver injured in NEW
DUN MINE while seeking dolomite xls.

Crystal Vine Cat. 6/01. Botry goethite,
"leaf-like" in cross-section, on massive;
STOWFIELD Q, "Coldford" Forest of Dean,
Glos. [NB No COLDFORD in OS gazz ($\frac{1}{4}$ " maps)]

COMBE FARM QUARRY Westbury-on-
Trym, Glos (?)

See WESTBURY-ON-TRYM.

ST/78/702888

COWSHIP FARM, Wickwar, Glos.

See also WICKWAR, etc.

SRMRGB III (1938). Celestite, saccharoidal, with silica.

1" 156

ST

70

93

DRESSING GREEN, Tortworth, glos.

TMH (1868), 62: Jasper.

GeL (1858) Very fine ribbon-jasper

(NEW) DUN M., Coleford, Glos.

See COLFORD

DURDHAM DOWN, Clifton, Glos.

See also AVON GORGE (II), BRISTOL etc.

TMH (1868), 61: In Lim. Baryte; galena; haematite; rock xl.

GeL (1858). Baryte & galena, the latter in
curious flattened octahedra in limestone.

1" 142, 143, 156, 155 SO 60-61

FOREST OF DEAN, Glos. (I)

See also ~~WARRINGTON~~; OLD PARK IRON MINE; WIGPOOL MINE; NORTHERN
UNITED COLLY; COLFORD,

TMH (1868), 61: In coal-measures: chalybite; coal; umber;
dolomite; haematite.

GL (1858) Dolomite, small reddish x/s. Red haematite.

Davies (1888) Principal beds of Fe ore (see W. Watson, "Geologist", 1858)
lie below base of Millst. grt which underlies
Coal Meas. Ore fills large irreg. cavities or
"churns", connected by leakers. One churn was
350x14x12 yds!

Ones are (1) "Brush" - good haematite, often kidney,
often stalactitic & coated with brilliant black

xls of hydrous oxide of iron [goethite]. (2) "Smith Mine"
- finely powdered but pure haematite (3) "Clod" - a
mass contg small frags of haem & charged with
iron oxide.

Roofs of churns usually encrusted with stalactitic
haematite coated with shiny xls of goethite.
Limestone itself contains geodes of haematite.

Picture of a notable quarried churn - ~~the~~ "THE
DEVIL'S CHAPEL, OLD PARK IRON MINE, nr. Bream. [qv]

There are some ironstone deposits (the "sandstone vein")
in Melst. just above the deposits just described, but
these are smaller.

Anon. Quarry (1899) 4, 3. Limestone Q's in For. of Dean.
FJ North "Mining for Metals in Wales" (1962), 10, 22. Mentions.

FOREST OF DEAN, Glos. (II).

BMS Newsl. (1997) 46 10. BMS Coll., pres. R. Starkey.
Goethite, OAKWOOD MILL, For. of Dean.

[Not in OS gazz or 1" maps. of OAKHILL WOOD
a bit to the SW at 55 00; OAKENHILL
WOOD, so 62 07

GOOSEGREEN FARM, Yate, Glos.

See also YATE, etc.

SRMR6B III (1938). Celestine, worked in 1936.

GREAT QUARRY

Avon Gorge, Glos.

See AVON GORGE

HALLEND FARM (nr. Wickwar) Yate, glos.

See also YATE etc., WICKWAR etc.

Rayners Cat (1960) Calcite + celestite (16/-)

SRMRGB III (1938). Hall End, Yate. Celestite - irregular
masses, with cavities lined by well-shaped
crystals.

HAMSTED FARM Q, 9105

See CHIPPING SODBURY

HENBURY, glo. (Now AVON)

See also POPES WORK; BLAISE CASTLE, WESTBURY-ON-TRYM

C. Alabaster, MM (1978) 42, 298-300

COOMBE FARM Q'y, disused, at 562 778 in
 steeply dipping Carb Lim. had a small
 replacement pod of Mn, Fe oxides, loosely
 xline to soft e cindery - pyrolusite etc.
 EW calcite veinlets, with galena e chalcopy
 cut the mineralised fissures To the E of the
 qly the veins thickened e have been worked
 for Pb in the past. Mn-rich core e Fe-rich
 margin of the pod. Wulfenite (i) in xls $\rightarrow$ 1mm
 dissem in Mn ore, poor, corroded, and (ii) in

aggs of lemon-to orange-yellow tablets lining small cavities (usually $\pm 2 \text{ cm}^3$), & resembling cocks' b baryte & occas in single tabular xls.

Cav. also have cerussite, baryte. (iii) In tiny xls $\sim 0.15 \text{ mm}$, well formed, not corroded, in the sulphide veins esp. along sheared vein/wall rock contact. & in cracks, intim. ass. w. malachite & occas. azurite

C. Alabaster Riv Comm (Telephone) 3/84: In grounds of Disbury College, Henbury Hill, $\sim 1\frac{1}{2} \text{ ml}$ from the wulfenite loc. mineralisation of Mendip type, with Pb oxychlorides etc in black Mn oxide pods. Mendipite? laurionite, ^(para) chloroxiphite, plattnerite; orange $\rightarrow$ red parkinsonite

HOT WELLS, Clifton, glos.

ST 56 74

See also AVON GORGE (II), BRISTOL, etc.

TMH (1868), 61. In Lim. Asphaltum; petroleum.

GeL (1858) bitumen (asphaltum) & petroleum, at
HOTWELLS near Bristol, Somerset.

ST 78

LITTLE CHRISTOPHER, Yate, glos.

See also YATE, etc

SRMRGB III (1938). Celestite now worked out - see
previous edition

LITTLE TAUNTON, Glos.

J. Y. Watson "A Compendium of British Mining" (1843), p. 60:

"About 160 years since [*i.e.* ca 1680] two gold mines were stated to have been discovered; one at Pollux Hill, in Bedfordshire [q.v.], & the other at LITTLE TAUNTON, in Gloucestershire. "The Society of Mines Royal seized them & granted two leases of them to some refiners, who extracted some gold; but they did not go on with the work, as the gold sometimes would not repay or

requite the charge of separation, though
often it did — (Essay on Metallic Works)!

MICKLEWOOD, glos.

See MICKLETON

W. Phillips "Intro. to Min." (1819) 18. Agate nodules "in the trap rock called the Old Rock, of Micklewood, in glos."

[No "Micklewood" in O.S. Gazette, Mickleton, glos, at SP 1543.
∴ Almost certainly MICKLETON, g.v.]

Trans G Soc IV (1817) p 144. Extract from Minute Book of the G. Soc, 1/11/1811. Letter from G. Cumberland. Trap rock @ Micklewood, glos. To E of road from Bristol, within 2 ml of Frampton (507407) Amygdaloidal. Mass to 30' high x 300 yd x 1/4 ml.

Has chalcedonies, plain & striped, 1" → 20"

Numerous fungiform ~~masses~~ cylindrical
masses of iron spar [? siderite] → 2 ft.

OS jazz:

Freempton Colterell ST 6582 (A few ml NE of Bristol)

— 11 — Mansell SO 9202

— 11 — on Severn SO 7407

MICKLETON Chipping Campden, Glos.
cf MICKLEWOOD

TMH (1868) 61. In Trap: Agate

GEL (1858). Agate, in trap

1" 143

SO 6618

MITCHELDEAN, Glos

See WIGPOOL MINE

1" 156

ST 7064-7164

The
~~THE~~ MOORS, Yate, Glos.
See also YATE, etc

SRMRGB III (1938). Gypsum, with some celestite.
In 1936 celestite was worked at Goosegreen
Farm (q/v)

GR2TG. 14/4/62. Vol II p 43. Superb goethite - small needles in
cavities in massive, from ditch.

NEWENT, glos.

1" 143

50 72 25

GeL(1858) Haematitic conglomerate in extensive
beds, at "Neweant"

30 636 155

NORTHERN UNITED COLLIERY, ^{1" 143} Cinderford. For. of Dean, Glos

See also FOREST OF DEAN, etc.

GR265, April 1964: Northern United Colly' beside A4136,

ca at 636155, ca 2 ml NW of Cinderford:

On dumps: V good & plentiful Carb. fossil flora in
black shale; limestone blocks; traces of
calcite, pyrite, & white ?kaolinite [IR agrees
with published spec., but not certain]

NORTHLEACH, Glos.

GS. Summ. Progr. (1955)

rare elements in Fuller's earth [?=
montmorillonite]

Analysis of some

OAKFIELD, Clifton, glos.

ST 5674

Sherlock SMRGB III 77 (1938). Celestite, Stoddard,
Proc. Bristol Nat. Soc. 2, 44 (1877); Baker, ibid.
9, 161 (1902).

50 6 0
OLD PARK IRON MINE, Bream, Forest of Dean, Glos.

See also FOREST OF DEAN.

Davies (1888) Picture of a notable quarried "churn" —
The "DEVILS CHAPEL", Old Park Iron mine, nr. Bream.
[See FOREST OF DEAN card].

[NB. Bream-6005; Old Park, 6202]

ST 7 8

ONIONS, Yate, glos.

See also YATE, etc.

SRMRGB III (1938). Field to E of Stanshawe's Court Park
(715819). Narrow quarry in grit has yielded
celestite.

PATCHWAY, Glos.

Perceval, Geol Mag 3 377 (1866) Nice black blende
xls at the tunnel near PATCHWAY STATION.
Not previously recorded from Glos.

PEN PARK HOLE, Southmead, Bristol, Som. Glos

Daily Telegraph 14/8/61. "Mine Explorer Rescued". Disused lead mine.
The man had been trapped 100' down,
having gone down to find where a
Bristol clergyman, Rev. Thomas Kewinham,
died in 1775.

? ST 54 78
N of Bristol?
POPE'S WORK, Henbury, Glos.

See also HENBURY; WESTBURY-ON-TRYM

Gough, "The Mines of Mendip" (1930) p251 (footnote). ... A little copper mine in middle of 18th Cent. ~~at~~ near Henbury (Glos.), called "Pope's Work", where Pope discovered a few veins of copper ore. Catcott ("Diaries" 7/7/1756) inspected it, but it was a very small affair.

M Ramsey (2008) J. Russ Soc. 11, 51. "Pope's Work" may = WESLEY MINE (~~of Henbury~~), Westbury-on-Trym.

1" 155
PORTISHEAD RAILWAY, "glos"

ST 46 76

[NB Portishead, SP 4676] in SOMERSET.

GM: Quartz xls in geode.

PUZZLE WOOD

*The Original
Open Iron Mines
in the
Royal Forest of Dean*



The paths are arranged in a puzzle, and the walk takes roughly 1 hour. There are many steps, unfortunately making it unsuitable for the less able.

PUZZLE WOOD

*is ½ mile from Coleford
on the Chepstow Road*

“Puzzle Wood” is unique, as it contains iron workings dating back before Roman times. The area was landscaped in the 1800’s, over the years the site has been subject to the healing and beauty of nature and provides wonderful and tranquil walks with breathtaking scenery.

Open – Easter till end Oct. 11am - 6pm
(Last Admission 5pm)

Closed – Mondays except Bank Holidays
No Pets

- **Large Free** Coach and Car Park
- **Souvenir Shop**
- **Tea Garden**
- **Refreshments** with home-made cakes and scones
- **Toilets**
- **Parties** by arrangement
(No unaccompanied Children)
- **Rare Breeds** livestock exhibits

Tel. Dean (0594) 833187

PYLL(E)HILL, Clifton, Glos.

TMH (1868), 61: In Red Marl: Celestite; fluorite; jasper.

GM: "Pyllle Hill". Celestite.

De La Beche (1845). Map of Bristol shows "Pyllle Hill" at
ca 597 720 ("Report on the State of Bristol & other large Towns")

GrL (1858). Celestine, v. beautiful perfect transparent
x/s up to 1 in. long were found in making
sly cutting at "Pyllle Hill"; pale blue &
yellowish, in matrix of red marl and
sandstone. Also fibrous, fibro-lamellar,

granular, & compact. Also gypsum, in
transparent foliated masses enclosing xls
of celestine.

RECTORY FARM, Yate, Glos.

See also YATE, etc

SRMRGB III (1938). Celestine. Old workings

Visited GRE GS (1959) Celestine, granular-massive
lumps up to 1' across, with small cavs.
lined with red-stained tabular xls.

1" 156

ST ~~61~~ 70
or 58 75

REDLAND, Bristol, ~~Som~~ Glos.

See also BRISTOL, etc.

~~As a variety of baryte~~

GM spec: Barytocelestite.

JS Neil, "Brit Mins", (1907). "Som: Brislington: Redland:"
celestite

Greg & Lettsom (1858) p 69. "Som: Redland, nr Brislington,
Celestite in cavities of yellow sandstone.

NB of "REDLAND, Derbs" (!). G & L (1858) Baryte, in nodules
just below the surface at Redland near
Buxton, Derbs. TMH (1868) Baryte &
celestine, Redland near Buxton, Derbs.

There is no Redland near Buxton on the $2\frac{1}{2}$ " map; the baryte could be from Buxton, but the celestine is probably from the Bristol Redland.

Redland is a part of N. Bristol, around ST 5875 but Brislington is a SE suburb, around ST 6170 (No "Redland" is shown on 1" map near Brislington).

SOUTHMEAD, Bristol, glos.

See PEN PARK HOLE

STOWFIELD Q., Coleford, Glos

See COLEFORD

51 7 86
SWAN INN, Yate, Glos.

See also YATE, etc.

SRMRGB, III (1938). Celestite. Several fields; a disused trench on the E side yielded 2 ft. massive celestite boulders.

Across the road, an unnamed quarry. 5 ft of mottled green & red marl has some celestite.

THORNBURY, Glos
See also AUST

TMH (1868) Celestine, pyrite, selenite, in
Red Sandstone

MJ Mins Cat (1989) Calcite, small creamy-
white transp. prismatic xls forming
thick layer on matrix - TITHERINGTON
QUARRY [Cont. on 660 & 90 - big quarries
near Tytherington]

TORTWORTH, glos.

See DRESSING GREEN

WESLEY MINE, Bristol (Avon) Englos

See WESTBURY-ON-TRYM

1" 143

50 71 14

WESTBURY-ON-SEVERN, Glos.

[NOT = Westbury-on-Trym, q.v.]

V. Rae, spec to RSWB (9/89) Pyrite, ~3 mm
octahedra in mudstone.

RSN(1997) 31, 14 Pyrite plentiful, prob
from Rhaetic Bone Bed (lots of fish
teeth & bone frags). One spec
azurite; some malachite (poor).

1" 155

ST 57 77
glos (Avon) (I)

WESTBURY-ON-TRYM, Bristol,

See also HENBURY

C. Alabaster (1985) Proc Bristol Naturalists Soc. 45 11-16
(Min Abs 87M/7009)

Melanotekite from WESLEY M., Westbury-on-Trym; heavily altered friable sulphur-yellow ~~the~~ relic xls. Also from COMBE FARM Q'y.

C. Alabaster (1985) Proc. Brist. Nat's Soc. 45, 17-22
(Min Abs 87M/7010)

Plattnerite from WESLEY M., Westbury-on-Trym.

RSWB 89-58, purchased from M.J. Minerals ex Sam
(Margaret Johnson, Leics).

Weller, ex Alabaster Collection: Black mass
MnO₂ with patches of calcite with
rhombohedra in cavities, a thin veinlet
of orange "blixite"; thin black radiating
plates crednerite; minor malachite; large
paralaunite xls. The "blixite"
is probably merheadite, the MnO₂
pyrolusite

Alabaster (1989) "The Wesley mine..." J. Russ. Soc.,
2 [2] 29-47.

v. infra (II) Wulfenite (xrd), smooth-
sided thin tab. plates to 0.15 mm & modif. bipyrs to 0.13 mm
Yellow to reddish-orange, with ceruss, paralaun
and "parkinsonite". [?] Discov during building
excav at Wesley Theol Coll. in 1983. 700 metres from
COOMBE FARM Q, Henbury [See HENBURY card]

WESTBURY-ON-TRYM, Bristol, Glos. (II)

~~not over.~~

M. Rumsey (2008) J. Russ. Soc. 11, 51-53 From the
WESLEY M., kombatite, $Pb_{14}(VO_4)_2O_9Cl_4$
(first Brit.) 'one bright orange 2mm grain
with prominent cleavage, embedded in
calcite (orig thought to be "parkinsonite"
more orange material prob = kombatite,
more deep blood red prob = parkinsonite)

R. Turner & M. Rumsey (2010) J. Russ. Soc., 13, 3-46
✓ detailed account of Mendips minerals.
COOMBE FARM Q'y:- Baryte; calcite; cerussite;
cinnabar; galena; goethite; haematite;

Kombatite like phase; lizardite; malachite;
melanotekite; pyrolusite; sahlinite-like phase;
sphalerite; wad; wulfenite.

WESLEY MINE: - Baryte; calcite; cerussite; chalcocite;
chalcopyrite; chloroxiphite; chrysotile; covellite;
crednerite phase C; descloizite; galena; goethite;
hausmannite; haematite; "hydrocerussite";
Kombatite; kombatite-like; laurionite; mangarite;
melanotekite; mendipite; moreheadite;
paralaurionite; parkinsonite (type Ia); phosgenite;
plattnerite; pyrite; pyrolusite; rhodochrosite;
rickturnerite; sahlinite; sahlinite-like; sphalerite;
vanadinite; "wad"; wulfenite.

ST 714 880

WEST END FARM, Wickwar, glos.

See also YATE, etc.

GRt6 14/4/62 Vol II, p.45. According to
foreman at the plant at Yate, the
current source of celestine

WESTERLEIGH, Yate, glos

See also YATE, etc

SRMRGB III (1938). Celestite. Quarry is long & narrow;
The celestite is stacked for collection by
the roadside at the Swan. Inn.

1" 156

ST 711 732

WICK QUARRY, Doynton, glos. (I)

(Just E of Bristol)

see also CHURCHWOOD Q, WICKWAR Q, WICK Q

RSN (1998) 32, 16-17. Visit to working quarry.
two with common access.

Pyrite; poss. marcasite (?); gypsum (?)
xls in the pyrite; calcite; galena
with some cerussite xls on the xl faces.

Baryte, sphalerite some with white
to yellowish xls attached - smithsonite (?).

"Some of the galena had an associated
yellow coating & this may be sulphur (?)
or bindheimite (?)". An iron vein with
beaut. quartz xls; fine goethite, some

stalact, some radiating. with pink baryte.
Fluorite reputed to be found [?].
(Jim Goulding)

RSN(1999) 34, 13. Calcites; old Fe vein gave
"unusual & splendid" quartz + S.

RSN(1999) 35, 21. Vugs "in what appeared to be
jasper" with attractive golden goethite covered
with pink baryte — "only micro in size".

RSN(2001) 38, 17. 2 Q's together. Purple fluorite; little
to collect.

WICK QUARRY, Doyn ton, glos. (II)

Turner & Rumsey (2010) J. Russ. Soc. 133-46. Azurite;
calcite; cerussite; cesarolite; chalcopryite; goethite;
"hydrocerussite"; malachite; wulfenite.

ST 728

WICKHAM HALL, Yate, Glos.

See also YATE, etc.

SRMRGB, III, (1938). Celestite now worked out - see
previous edition.

1" 156

ST 72 88

WICKWAR, glos.

See also YATE, etc., BARBERS COURT; COWSHIP FARM; CHIPPING SODBURY; HALL END FARM; CHURCHWOOD Q, WICK Q, WICKWAR Q.

Gen from GR: Celestine, single white to pale blue
 ? Parkinson's cat tabular xls.

Bannister Whittard MM (1945) 27 99 Magnesian
chamosite (119% MgO) from the Wenlock
 Limestone.

RSWB, 5/1/72. Told by foreman that current
celestine pile is from Wickwar. Collected

orange, bevelled rectangular plates in
orange granular, also some colourless
plates in same matrix. one spec
~~has~~ (R50B 73-14) has class plates with small
clusters orange calcite ~~the~~ micro xls; some have
veins massive haematite (streak nearer
haem than goeth - cf 73-16). Most of
the celestine is colourless saccharoidal
with bladed xls (v. poor) in vugs.
Some v. pale blueish blades, but rare.

1" 156

ST 722 887

WICKWAR Q, Wickwar, Glos.

See also CHURCHWOOD Q, WICKWAR, WICK Q.

RSN('04)45 41 VISIT. Not a lot found

coatings of mauve fluorite, pyrite, some
celestine.

WICKWAR EAST Q., Cromhall, Glos.

= CHURCHWOOD Q. [q.v.]

1" 143

50 64 14

WIGPOOL MINE, Mitcheldean, glos.

GM: Stalactitic haematite

[NB. "Wigpool common", 6519]

1" 144

SO 944 272.

WINGMOOR FARM, Bishops Cleeve, Glas.

RJ King (1997) Russ. Soc. N^o letter 30, 20. "A remarkable occurrence of thenardite (Na_2SO_4) in Gloucestershire"

In 1994 a "borrow pit" for gravel at SO 944 272 on Wingmoor Farm examined. Clay ironstone nodules & pyritised ammonites & pyrite masses & nodules. When examined the mudstones exposed had a white powdery blanket of thenardite (XRD) + gypsum (XRD)

WOODFORD BRIDGE, Berkeley, Glos.

TMH (1868), 61 . In Trap: Calcite; Prehnite; Greenearth (?)

W. Phillips "Intro to Min." (1819), 36 Prehnite, said to have been found in a trap rock at WOODFORD, in Glos.

GEL (1858). Prehnite, in globular concretions, near WOODFORD BRIDGE.

AWGK, Priv. Comm. (1963) AWGK has never been able to find prehnite in any of the quarries (cavernous decomp. basalt) close to Woodford Bridge.

1" 155, 156

ST 656 885

WOODLEAZE QUARRY, Tytherington, Glos.

C.J. Alabaster. J. Russ Soc. (1989) 2 5-10

glassy allophane, alumohydrocalcite,
e a chalky mixture of allophane +
quartz + gibbsite + scarioite + a poorly
xline carbonate containing aluminium
hydroxide gel.

WRINGTON HILL, Clifton, Bristol, glos

See CLIFTON

YATE, Glos. (I)

See also WICKWAR etc., CHIPPING SODBURY; YATE
ROCKS; BAGSTONE; BIG CHRISTOPHER; BRICKHOUSE
FARM; GOOSEGREEN FARM; HALLEND FARM; LITTLE
CHRISTOPHER; THE MOORS; ONIONS; RECTORY FARM;
SWAN INN; WESTERLEIGH; WICKHAM HALL;
YATE LAWN; WEST END FARM.

Sherlock, SRMRGB III (1938) Discussion of area & locs (see above).

Celestine known locally as "spar" or "strontia"
obtained mostly from Kenper Marl (usually
in the Upper Red Marls below the green
Marls; occasionally in the green marls;
the marls are often mottled).

Anon, Mines & Quar. Eng (1960) 26, 362 (MA (1963) 16 [2] 152): (PTD)

Celestine proved not only in Trias marls, but also in underlying Millstone grit, Wenlock limestone, & even in lower Lias.

GR & GS 11/59

Celestine geodes, colourless ^{pale} ~~ex~~blue, in red marl from dumps opposite strontia washing mills at 714 824. Also from old pits near 714 825, behind "The SWAN" [qv], & at working pits near road, in fields near 714 831 as good geodes, some xls with haematite coating.

GR & TG 14/4/62 ^{Vol II}
(with RSIOB 13/4/62) ^{PP 41} 42, 45.

Dump of 11/59 now gone. Better dump in enclosure at the plant at 714 824. Superb celestine; according to foreman, from WEST END FARM.

YATE, Glos (II)

RSWB 1/8/62 ^{Vol II}_{p.85.} Excellent celestine collected from dressing plant. Several habits; eg platy, tabular, prismatic. Blue to colourless & iron-stained. According to foreman, platy iron-stained variety came from WICKWAR [qv]. Small amounts clear gypsum, var. selenite, which the men call "calcite" & which is a nuisance.

RSWB, TG.3/4/64 Vol IV pp 87-88. Collected more superb celestine from plant, also large sheets transparent gypsum, var selenite, often

enclosing celestine xls. & later than the celestine in formation. Gypsum up to 1 ft across!

L. Nash. Rocks & Mins (1965) 40 330 (MA 17 537) Celestine
Parkinsons Cat. (1959) Celestine single colourless
prismatic terminated xls up to 2".

JN. Freund & Allchin Nature (1939) 144 633 Colour of red
& blue celestine attributed to colloidal gold,
found in analyses. [BUT see next ref]

K. Przibram (1956) 241. "Irrad Col & Luminescence" Pergamon Press London.

Refers to JNF & Allchin but underlines their doubts &
states ~~behaves consistently like~~ ~~under~~ ~~radiation~~ colour as destroyed on
heating with v. weak but detectable th' luminescence. Irrad → bleached, but cells → blue!

YATE, glos. (III)

Thomas, I.A. "Celest. incl refs to strontianite" Min. Dossier
Min Res's Consult. CHee (1973) 6 ^{MA}[23-3626] 50-70% of world
product'n ex Bristol area, since 1875. Celest. nodules
follow bedding of Keup Marl or underly Coal Meas's,
at the unconf'ty, or as contin. beds in Keup Marl.
Worked in shallow open pits

(MA 76-2831)
Wood MW & Shaw HF "The geoch. of celestites from the Yate
area, near Bristol (U.K.)" Chem geol 17 179-193 (1976)
XRF of 32 specs; mean Ca 0.46, Ba 1.00%. Sediments
Ca 0.81, Ba 0.58%. Sr isotope ratios also measured
Celestine mostly primary ppt, a few cases sec'y

after anhydrite [MA 75-3331]. Sr/Ba ratio 1500
x sea water $\therefore$ unlikely ppt ex sea. Sr prob
released on dolomitization of underlying Carb
Lim, modified by percol through Trias
& coal measures. Celest prob formed in
arid desert basins of inland drainage.

RSWB & TIW 8/79 Calcite, doub. terminated
scalenohedra to $\sim \frac{1}{2}$ " brown with
iron-staining, ass. w. thin bladed
celestine, also iron-stained.

V. Rae Pres $\rightarrow$ RSWB 9/89. Barytocelestine  -
shaped xls in vug; Fe-stained

YATE LAWN, Yate, Glos.

See also YATE, etc.

SRMRGB III (1938). Celestite. Several pits in
orchard of Yate Lawn House. Some of
the celestite is bluish.

YATE ROCKS Yate, Glos.

See also YATE, etc.

Rayners Cat (1960). Doubly terminated calcite

RSWB, GR 2 TG 13/4/62 Vol II p 41. Drove past, no time
to stop. The Rocks are a limestone outcrop.