

ITALY

(Sardinia, Sicily in separate sections)

THESE

COLLEZIONE MINERALOGICA

N. 1

ANDRADITE xls BLOW ON
MONZONITE

LOCALITÀ MONZONI (TRENTO)

SPINELLI GENNARO — NAPOLI

TYPIC SHAPE OF
CRYSTALS OF TAILS
AREA

Hessauk.

Paiallo, Savona

COLLEZIONE MINERALOGICA

N. 6

GROSSULARIA xls RED-
BROWN ON NATRIX

LOCALITÀ OSSOLA VALLEY
(TORINO)

SPINELLI GENNARO — NAPOLI

PIEDMONT

ALA, Piedmont, Italy (I)

See also LILIAZ, COGNE M.

Miers (1929) Diopside, clear green xls, with chlorite & red crystallised garnet, in a mass of garnet rock (in the Ala valley), which traverses serpentine. Also from Musa-Alp in the Ala valley, with a parting 11% to 100%.

At or near the diopside loc is found idocrase ("best known xls") of two sorts:

- (a) beaut green prisms rich in terminal faces, with chlorite on massive idocrase which traverses serpentine,
- (b) acute pyramidal green to brownish xls with

diopside & chlorite (with apatite), upon garnet, both x-lined & massive, which also traverses the serpentine. At another point in the valley are found long thin striated prisms of a reddish-brown colour (wrongly called Mn-idocrase) with garnet, diopside & chlorite, upon garnet. Clinocllore is the chlorite, in beautiful little green hexag. plates. (grossular)

Garnet is hessonite, brilliant hyacinth-red dodecs, in cavities of a massive red grossular traversing serpentine at the head of the valley. The valley lies in the zone of schists, serpentines, & gabbros which surround the granitic gneiss of the Graian Alps.

At the Musa-Alp, near the hessonite loc,

ALA, Piedmont, Italy, (II)

beautiful honey-yellow & green dodecs of andradite, in cavities of a massive greenish pyroxene (so-called "mussaitite") which traverses the serpentine. This andradite is called "topazolite".

MA 1 (1920-22) 13 [E. Reossi, "La Val d'Ala ed i suoi minerali", Rivista di Scienze Naturali, Pavia (1919), vol 10 pp 89-132, map, figs, etc]. Includes photos of locs. General descrip. of Ala valley, a trib of the Stura. The mins occur in bands of garnet-rock & idocrase-rock in the serpentine & include: garnet, var hessonite & topazolite; idocrase; diopside, incl var albite & mussite; epidote; apatite; clinochlore; ~~opacite~~ ^{magnetite}; olivine; "titanolivine" ^{psb}; albite; prehnite; sphene, etc. Locs described in detail: (PTD)

Testa Ciarva, by the plain of Mussa; Giassétt; Roch Neir;
Alpe Saulera; Rocca Tovo; Balme; Monte Fort; Colle
del Paschietto; Laghi Verdi; Becco di Corbassera; Borne
de Brous. Smaltite; cobaltite, rammelsbergite,
tetratelite, chalcocyanite etc have been mined at
the Punta Corna & at Sarda, in the mtns on the
S side of the valley.

MA(1920-22)106. F. Zambonini. "Titanolite" abund. @ several places in
Ala Valley. as nodules & veins in serpentine & as rough
corroded xls lining ~~rocks~~ crevices. Often embedded in
calcite & is intim. assoc. w. xls of olivine, magnetite, etc.
Xls are 1mm - 5cm. dark red brown, weath. to rusty brown.
Anal shows more like clinohumite than olivine, with OH inst. of F.
& name should be titanhydroclinohumite. (Hey - Yes).

ALA, Piedmont, Italy (III)

MA 2, 44. F. Zambonini. Ardennite (Key - aluminosilicate, vanadate & arsenate of Mn), colophony-brown fibres & rods up to 5-6 cm long with predomonte, rhodonite & haematite, in qtz veins traversing gneiss & mica-schist, at Ceres.

p. 187, F. Z. At Chiampernotto, a vein in v. metamorphosed gabbro in serpentine has, in cavities, xls of clinozoisite, & epidote, with diopside & chlorite.

MA 4 270 V. Gennaro. Irreg. lenses of garnet rock penetrating serpentine. Ilmenite, magnetite, garnet, idocrase, sphene, perovskite, apatite, diopside, calcite, clinoclase, & chrysocolla. Javite, green to yellowish white crusts in crevices in serpentine.

MA 6 92. Manganidocrase from Becco della Corbassera. (xlog).
R. Koechlin.

MAZ 364 Epidote (anal).

M. Bauer Vol II p411 The Ala green idocrase is ~~at~~ ^{on} the
Testa Ciarva, a bare precipitous rock on
the Mussa-Alp, in a band of serpentine
> 1 metre thick. The hessonite also comes
from here, but not with the i'crase

D.H.'s letters. Topazolite + muscite - Piann Mussa, TORINO

V. de Michele (1967) "il mondo dei Cristalli" Hessonite, vg xls
w. diopside, chlorite, - ALPE SAULERA

ALZO, Piedmont, Italy.

MA 8 "22" (Missing). granite, tourmaline

MA 12 181 G. Cocco. Tourmaline, tufts of fine needles
in geodes in granite.

D6 App I, 5. Apatite, from the granite of Alzo, Lake Orta.

ANTIGORIO VALLEY, Piedmont, Italy.

MM 27 65. E. Aruja. Antigorite, var. of serpentine.

Valle d'AOSTA, Piedmont, Italy. (I)

See also M. BLANC.

[Praborna]

MA 1, 78. F. Balzac. Piedmontite (xlog) from San Marcel.

MA 3, 208. E. Carozzi. A spec. of chromiferous spessartine, SG 4.35, as small yellow-brown masses of minute honey-yellow xls embedded in braunite & assoc w. rhodochrosite on debris from the Mn mine below the village of Lignana, valley of St. Barthélemy, Valle d'Aosta.

MA 6. 287. E. Sanero. Grossular, reddish-yellow xls in garnetif. xlm limestone overlying magnetite deposit at Liconi (Cognet Mine). Topazolite, honey-yellow xls enclosing diallage-serpentine at Larcinaz, (Cognet Mine)

MA 6 143 M. Fenoglio From Cogne Mine. Nesquehonte, tufts of
prismatic xls with lanfordite on serpentine ($MgCO_3 \cdot 3H_2O$)

MA 6 474 M. Fenoglio. Artinite, thin crust of white acid
xls on serpentine, from Cogne mine. Hydromagnesite
from Emaresa.

MA 6 "278" (?). Gamet from Larcinaz [Cogne]

MA 6 85 R. Rondolina. From San. Marcel: pidmontite xls;
braunite xls; rhodonite "limpid, almost colourless xls";
violane; sphene ("greenovite").

MA 7 160 A. Cavinato. Morenosite, thin crust on serpentine
from Busseraillles, Valtournanche (from the "gouffres")

MA 7 363 R. Rondolino. From Busseraillles: Prehnite, isolated xls;
epidote, small, brilliant pale yellows with dropside, garnet etc in
veins in serpentine.

Valle d'AOSTA, Piedmont, Italy (II)

MA 7 362. M. Fenoglio. Brugnatellite, from Cogne.

MA 7 26. R. Rondolino Un-bearing amphiboles from Praborna, San Marcel, of richtertite-edentite types, with braunite, spessartite, violane, etc.

MA 10 408 A. Pelloux. Mins coll in V.d'A, on Ital side of M. Blanc: Blende, anglesite etc from a pyrite deposit in Val Veni; several alpine cleft minerals from Triollet; a deposit of lead ore & baryte, worked by Romans at Chapy, nr. Courmayeur yielded 20 species, incl. hyalophane; berthierite; realgar. From Altdorf

Villair, albite xls in dolom limest; Ardennite & braunite
from an Mn deposit at Varenche in Val St. Barthélemy.
Titanolivine & sphene from St. Vincent.

MA 15 341 G. Sevales. Ores from the old "La Promise" mine show
native gold in tetrahedrite; abundant arsenopyrite,
chalcopyrite, pyrrhotite, pyrite, galena, & sphalerite.
Cubanite & vaesite occur as inclusions in pyrite.

MA 15 458 g. Rigault. Morenosite from Valtournanche.

D6 App II p33 Danburite, St Barthélemy
p88 Rhodochrosite, St Barthélemy

P. Camea. Spec $\rightarrow$ Rsus 1/73 Garnets (?hessonite, small, pale
orange-brown, transparent on joint planes in pink & green rock)
- CHATILLION, Val d'Aoste

VAL(LE) d'AOSTA, Piedmont, Italy (III)

RSWB 28/8/73 Hanging valley of ST. MARCEL
(SAN MARCELLO). Track up E side of valley via
Plout e Druges, then enters valley proper.
Hereabouts e for ca 1-2 km, garner-mica-
glaucofane schist is common, also mine dumps
with slag - no Mn minerals - one spec.
brochantite (R) coll. PRABORNA Mn mine
is near head of valley, e ca 1 km below
village, e on the W side of the valley. No
tracks to it - occupied by marmots!! On
dumps coll: - quartz vein matrix - much
piedmontite mostly massive, some embedded
xls; much nice alurgite, in ~~for~~ granular

VAL(LE) d'AOSTA, Piedmont, Italy (IV)

braunite; silky white tremolite ^[IR] Brown
Mn-amphibole near johannsenite ^[R];
massive brown-yellow-orange spessartite ^[IR];
a little violane ^[IR], greenovite ^[IR] as pink
xls $\diamond$; ?rhodonite; tiny octahedra
romeite; silky lilac Mn-amphibole(s)

Notizie Gr. Min. Lomb. 1972, March, p21 [G. Pagani]
PRABORNA, S. MARCEL. Braunite, piedm, alurg, spess, rhodon,
violane, greenovite.

John Weller's Catalogue 5 (1975). Epidote transpxls to 1 cm
rich on massive MONTJOVET, Val d'Aosta [? =
Montjovet, SE of Chatillon]

nr Traversella

BROSSO, Piedmont, Italy.
See also TRAVERSELLA

MA(1920-22) E. Artini. Bismuthinite in some quantity, as
bacillary aggs & as large (10cm x 15mm!) brilliant prisms
assoc w. pyrite & scaly haematite in a mass of siderite.
Cronstedtite, a chloritic min'l, also, occs. with calcite in
cavs in somewhat altered pyrite, as blackish imperf. xls.

MA 8 275 Pyrite, large xls (xlog).

D₇ II, 169 Siderite, "finely xlied."
214 Dolomite, "fine xls"

offers to DH / 72-3 Old iron mine, now closed. Siderite
xls in mass. "Vonsenite" [=] fibr. radiatm;
dolomite; ludwigit black fibr. "Ascarite"
[=] white fibrous. Skaibelyte, white

LILAZ, Cogne, Piedmont, Italy. V. d'Aosta

MA 5, 472 M. Fenoglio. Zaratite (xlog).

Valle di AYAS, Monte Rosa, Piedmont.

MA 4 376 V. Gennaro. Anal. of Thomsonite from the pass
of Bettolina or Bettolina Nord., also scolecite (same loc.)

MM 24 230. Scolecite from Bettolina.

BALDISSERO HILL, Ivrea, Piedmont, Italy.

MA 9 167 M-Fenoglio & E Saverio. Magnesite, compact white, with
opal veins & stringers in lherzolite, partly
alt $\rightarrow$ serpentine, at B. Hill, SW of Ivrea.

MA 10 300 MF & ES Opals ^{contain} ~~are not~~ β -cristobalite.
(hazy X-ray lines).

Letters to DH. 1/2 Todorokite; opal.

BAVENO (QUARRIES) (I) Piedmont, Italy.

Miers (1929). Fine flesh-coloured orthoclase xls, of "Baveno" habit lining cavities in the red granite with quartz & mica. Carlsbad twins also occur.

MA (1920-22) 107. Fluorite, small violet or rose xls, with quartz & orthoclase in granite of Baveno.

MA (1920-22) 204. E. Artina. Rend. R. Acc. Linc. Rom (1915) ser 5 vol 24 sem I pp 313-319. Weibyeite (Hey, fluorite & carbonate of rare earths esp La, Ce, nr Bastnäsite, but orthorhombic), minute (0.3 mm) yellowish to brownish red bipyr. xls on quartz. SG 3.19. Bazzite, new min,

found by E. Bazzi in a single geode. - prismatic bundles of a fine blue colour, hexag prisms w. basal plane & barrel-curvature, G. 2.80, with muscovite, laumontite & albite, on xls of qtz & o'clase. Is a silicate of Sc, etc with Fe & a little Na. (Hey - perhaps a Sc bearing beryl - Experientia, (1954) 10, 9, 366).

MA 2 178. Laumontite from Baveno is finely fibr; with o'clase & qtz.

MA 2 563 E. Artini A Cassiterite xl (4mm), also sphene, brown & greyish-violet, ca 1mm, on qtz & o'clase. 

V de Michel (1967) Datolite (2cm transp xl) Babingtonite xl

MA 4 230. Bavenite MM 23 143 Fluorite, octahedron.

MA 6 239 E. Grill. Nut-like nodules of fayalite enclosed in granite are part. ox. to magnetite.

MA 6 430 Babingtonite (xlog).

BAVENO, ~~in~~ Piedmont, Italy (II)

MA 7 28. P. gallitelli. Micas include siderophyllite;
lepidolite; zinnwaldite & protolithionite; muscovite.

MA 7 106 G. Pagliani. Ilvaite xls in geodes, various colours.

MA 7 115 E. grill. Sphere, small blue xls on orthoclase,
pleochroic from sky-blue (x) to colourless; allanite;
gadolinite, black & shining, with conchoidal fracture &
greenish-grey streak.

MA 7 294 G. Pagliani Albite xls encrusting orthoclase in vugs.

MA 8, "48" (Missing). Boron minerals in granite

MA 9 214. E. grill. Bavenite radially fibrous spherules & small
yellowish saddle-shaped masses

MA 9, 215 - J. Pagliani. Gadolinite in granite: two types
(i) 1-5 mm greenish-black xls on o'clock (ii) 1.5 cm prismatic,
(with albite) - anisotropic with rose-coloured core &
greenish-yellow outer portion

MA 10, 556 G. Pagliani. Zeolites in granite: chabazite,
small rhombs, rare; heulandite, small plates, uncommon;
stilbite, fibrous masses & small xls, fairly common;
laumontite, fresh & opaque xls, the commonest zeolite.

MA 11, 249 M. Bertolani. Spec. anal of rare min. bazzite, shows
Sc, Yt, La, Ce, Yb, Dy, Gd, Nd.

MA 12 528. Bazzite (X ray)

MA 12 402 G. Fagnani. Be mins: Beryl, bavenite, gadolinite.
Traces Be in feldspar, mica, tourmaline, zeolites, etc.

D₆ App II p7 Apatite xls in granite

D₆ 529 Axinite

BIELLA, Piedmont, Italy.

D₇ II 886. Fine apatite in syenite, "notably"

Mont BLANC (= MONTE BIANCO), Piedmont, Italy.

See also Valle d'AOSTA;

MA 4 137 A. Cavinato. Xlog of quartz from the Miage glacier, on Ital. side of Mt Blanc.

MA 4 320 A. Cavinato. Anal. of scolecites from Miage.

MA 4 469 A. Bianchi & A. Cavinato. "Mins of Miage". Sphene, epidote, quartz, apatite, anatase, adularia, & albite in the geodes in the amphibolite-schists at the foot of Mont Brouillard, on Ital side of Mt. Blanc. Zeolites from aplites & sericite-schists from various parts of the Miage glacier, eg heulandite; stilbite; scolecite.

MM 24 229. Miage: scolecite

Pizzo CERVANDONE, Piedmont Italy/Switz

See under SWITZERLAND.

Diopside, sphene, askecasite, caxarsite,
chernovite, chlorstite-mixite, m-torbernite

Valle del CHISONE, Piedmont, Italy.

MA 5 84. A Pelloux. From graphite lenses in gneiss; harmotome;
quartz; blende; galena. Loc = Cerisieri.

CL10U, Valpelline, Piedmont, Italy.

MA# 132 J. Jakob. Zircon, dark xls in pegmatite (anal).

COGNE MINE, Valle d'Aosta, Piedmont, Italy.

See Valle d'AOSTA

FENESTRELLA, Piedmont, Italy.

MA 8, 227

Paragonite, var. ~~rossi~~ cossaitite (anal).

Val FORMAZZA, Piedmont, Italy.

MA 2 220. H. Preiswerk. Scapolite, small prisms rich in inclusions embedded in dolomite-marble near Valdo in Val Formazza. Found also ~~at~~ near Prato in Val Leventina, Ticino (qv under "Leventina") Switzerland.

Valle della GERMANASCA, Piedmont, Italy.

MA 2 239. E. grill. Axinite, pale rosy-violet gem in an erratic block of gneiss at Prali. Riebeckite, small black prisms in chloritoid-schist from Vallone delle Miniere. Idocrase, a massive reddish-brown crust on garnet rock from Alpe delle Selle. (Loc. a branch of the ~~Chisone~~ Chisone, Piedmont)

Valle di LANZO, Piedmont, Italy.

MA 4 376. V. Gennaro. Anal. of Thomsonite & scolecite
from Valle di Viù, Valle di Lanzo.

MA 5 287 M. Fenoglio. From serpentine of the Fubina Hill,
near Viù: Brucite; brugnatellite; hydromagnesite;
artinite; nesquehonite, white botry crusts on
serpentine. g 1.824.

MA 24, 230. Valle de Viù: Scolecite

MA 7 362 M. Fenoglio. Brugnatellite, Viù. (anal).

Letters to DH /72-3. LANZO, PIEDM. - Tourmaline (schorl) x/s
in matrix (not v good).

DH spec
→ RSWB.
(73-481)

Mussite (diopside) - in caliche - ROCK NEIR

LOCANA, Piedmont, Italy.

MA 5, 44¹ E. Sanero. Ultrazolite rock, forming part of a
serpentine-peridotite lens, fine grained, of olivine
enstatite, diopside & kämmerite with access. chromite
& magnetite.

LURICIA, nr. Roccaforte di Mondovì, Piedmont, Italy.

MA 6 518. A. Pelloux. Details of occur. of U mins & of radioactive min. springs in the schistose rocks (besimaudite)
Autunite xls; torbernite xls.

MA 10 546. A. Pelloux. In ^{neighbouring} 1 mine galleries, during a search for radioactive water, in connexion with the development of the thermal spring station of Lurisia, found uranospinite, autunite, torbernite.

Valle MAIRA, Piedmont, Italy.

MA 6 287 R. Rondolino. Epidote, dark green xls from
crevices in gabbro at Acceglio.

MA 14 344 G. Cavales. U deposit in Preit valley. Pitchblende;
sphalerite; pyrite; violarsite; bravoite; chalcopyrite.

Monte MUSINÈ, Torino, Piedmont, Italy.

MA 9, 167. M. Fenoglio e E. Sanero. Compact white magnesite
with opal veins & stringers in cherzolite, part.
alt. to serpentine, at M.M, NW of Torino.

Val d'OSSOLA, Piedmont, Italy (I).

MA 2 268. E. Artini. Lenses of garnet- & epidote-rock in serpentinite above ~~Andino~~ Antronapiana, & in cavs, often filled with calcite, are: epidote, pale yellow-green xls (up to 1 cm); a diopside-like pyrox, almost colourless to dark green; hessonite; chlinochlore; magnetite, sharp octahed.; sphene, lenticular or tabular (up to 2 cm), yellowish, green-yellow, or almost white; pyrite, rarely, small xls; zircon, rarely, small colourless xls.

MA 2 562 A. Bianchi. A spec., formerly labelled "stibnite" is bismuthinite. From the old

auriferous pyrite mine above Crodo. Irreg.
bundles of contorted needles in a mica-
schist rich in qtz, & as fibrous aggs in
the qtz, assoc. w. pyrite & traces chalcopyrite
& siderite.

MA 3 309. E. Artini. Small pea-green idocrase xls with
mins described earlier from Antronapiana.

MA 3 58 A. Bianchi. Xlog of quartz xls from various ~~other~~
occurrences in the calc-schists & gneisses in the Val
Devero.

MA 4 136 A. Bianchi. Xls of diopside (xlog) from the Italian
side of Mt Cherbadung (Monte Cervandone), Val Devero.

MA 4 135-b A. Bianchi. Sphene xls from gneissic rocks
of Val Devero. Loc: ~~the~~ Monte Forno, Croveo; [Cont II]

Val d'OSSOLA, Piedmont, Italy (II)

[=geisspfad]
↑

Monte Cervandone (cherbadung); Passo dei Laghi; Rossa;
Passo del Forno, Arbola (= ofenhorn on the Swiss maps);
Forno glacier, Arbola.

MA 5 366 F. Azzini In crevices in gneiss of Mt Forno: adularia,
with quartz, chlorite, & sphene. In amphibolite
at Forno glacier: albite, with quartz & sphene.

MA 8 48 (Mussing). Beryl, from C. Mondei, Montescheno.

MA 9 214 E. Grill. Bavenite, "from Beura & Villa d'Ossola in
Val d'Ossola, where bar. occurs in gneiss as white porcellaneous
masses or as silky fibres".

MA 9 173 G. Pagliani & M. Martinenghi. Pegmatite minerals

from Monteschièno in Val Antrona (Ossola). — orthoclase,
albite, oligoclase, muscovite, beryl, garnet, etc.

The pegm. shows good graphic structure, contains
4-5% beryl & gives good quality muscovite.

MA, II 250 G. Pagliani. Tourmaline, acicular black, abund.
in gneiss at Beura etc. also yellow to brown in
bands of mica-schist in the gneiss. Biotite assoc
with the t. in the gneiss. Apatite, colourless needles
in the gneiss.

MA II 301 Pickeringite (halotrichite group) from Vogogna.

D₇ II 886 Hydroxyapatite, with sphene, in a diagen-
serpentine rock at Rossa ^[Eggenpfad] in the Val Devero.

D₆ App II p 90 Rutile xls from Alpe Veglia, Varzo

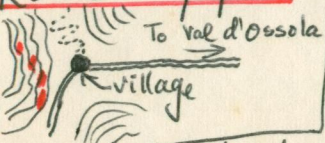
DH Spec's '72/3 Grossular

Val d'OSSOLA, Piedmont, Italy (III)

G. Pagani, Notizie Gr. Min. Lomb. (1972) [Mar.] 22.

Epidote, pyrite, magnetite, apatite, garnets,
sphene, zoisite, idocrase, diopside,
from VALLE ANTRONA.

RSWB 26/8/73 ANTRONAPIANA Valle Antrona.



Just beyond village, dug-patches
in cliff face reveal epidote,
with hessonite chlorite,
pale grey-green diopside, in
small but nice xts. Local collector
has vug epidotes etc.

Val d'Ossola, Piedmont, Italy (IV)

P. Banchi, Spec → RSWB 8/80. 80-166

Idocrase, nice xls, striated;
like epidote with flat
terminations - BELLECOMBE.
(in chlorite)

PINEROLO, Piedmont, Italy.

MA 14 26

Econ. micro-cryst graphite deposits

PIOSSASCO, Piedmont, Italy.

MA5 270 V. Gennaro In irreg lenses of garnet-rock
penetrating serpentine: ilmenite; magnetite;
garnet; idocrase; sphene; perovskite; apatite;
diopside; calcite; clinoclone; chrysocolla.

PRASCORSANO, nr. Cuorgnè, Piedmont, Italy.

MA 5 83 G. Resegotti. Heulandite & stilbite, with
galena, epidote, zoisite, baryte, & alkite, in
a schistose rock.

(PASSO DELLA) ROSSA (GEISSPFAD-PASS), Piedmont, Italy

See also Val d'OSSOLA

MA 3 207. A. Bianchi. Small (2-3mm) yellow-brown andradite xls with minute nuclei of corroded magnetite from a boulder (found by the Piedmont-Swiss frontier) of dark-green lamellar serpentine.

QUINCINETTO, Piedmont, Italy.

(NE of Traverella),

H. Corke spec. (1974). (ex a Spaniard).

"Omphacite" - nice green transp xls
(dropside prob). in cavs. in omphacite -
sc-te matrix x

Monte ROSSO DI VERRA, Monte Rosa, Piedmont, Italy.

MA 4 137. T. Carpanese. greenish-yellow epidote xls.

MA 5 430 T. Carpanese. Titanolivine

MA 5 487 T.C. garnet, hyacinth-red xls with chlorite in garnet rock. Idocrase, yellow-green xls; sphene, yellow-brown xls from cavs in a chlorite-serpentine rock

p488 The green-schist with peridotites & serp-rocks contain garnet; chlorite; diopside; epidote; olivine; titanolivine, etc.

Val SABBIOLO, Piedmont, Italy.

MA5 69 C. Perrier. Anal. of plagioclase from the
corundum-bearing plumasite. shows albite 80.7
An 5.4 or 12.65., though optics more like An 70-80%!
Anomaly due to xs Al_2O_3 distorting lattice.

SCALARI DI CERESOLE, Grand Paradis, Piedmont, Italy

MA 13 501 Age of zircon in migmatites = 340×10^6 yr.

VAL SESIA, Piedmont, Italy.

Piero Camea, specs → RSWB, (1/73)

Rutile in ? quartzite — FERVENTO

Omphacite xls. — Val Sesia — "New locality"

[BIELLESE — Cornudum Val Sesia (?)]

Valle del SÉSSERA, Vercelli

Italy.

Loschi ghilioni, A.G., (1969). Rend SIMP Milano 25 [2] ⁵²¹⁻₅₃₈
Notizie gr. Min. Lomb (1972) [Mar.] 7-8.

TRIVERO nel BIELLESE. Veins of plumbosilic
corundum, esp. nr. the electricity
station "M. Zegna" of Piancone, nr confluence
of Valle del Rio Confienzo. Some big xls
in feldspar. Bipyram $\rightarrow$ 10 cm. Feldspar
is sodic oligoclase. Accessories, unimportant
- biotite, chlorite, epidote, prehnite, zircon grains

Val di Susa, Piedmont, Italy.

To W from Torino

MA 8 41 (Missing). At Crurino, Ni e Co minerals.

D6 App II p 82 Prehnite xls from Monte Pian Real

RSWB 78/62 Sphene, pinkish xl, ~~ROCCIAURE~~ from
ROCCIAURE, Susa Valley. with green,
well-xlused chlorite; brown elongated xls
?idocrase?

TRAVERSELLA, Piedmont, Italy. (I)
See also BROSSO

Miers (1929) Fine pyrite xls from iron mines of the Chiusella Valley, where one is a xline magnetite. The pyrite occurs in isolated xls & groups in druses of the magnetite, often assoc. with quartz & dolomite.

"Mesitite" ($2\text{MgCO}_3 \cdot \text{FeCO}_3$) [var of ankerite], pale brown obtuse rhombohedra.

MA (1920-22) 344 F.P. Müller. Glaucophane-schists in Traversella district - NOT the well known occurrences in the iron mines - contain much rutile; & in the quartz lenses are nests of large (up to 8cm) prismatic xls.

- D₇II 164 Magnesite. 169. Siderite, finely x'ised, 214 Dolomite "fine x's"
- MA 2 521 A. D'Ambrósio. ~~At~~ "Baretite" from Traversella
 analysed. green radial-fibrous. No Ca, & is mixt
 of serpentine & brucite
- D₇II 579 Cyanotrichite "reported from T". Scheelite, "fine x's"
 MA 3 105 Scheelite (anal.) p. 211. Pyrite twins. ^{p1077}
- MA 5 430 Calcite, rhombohedra.
- Letter to DM 172-3. Grandite garnet - "Mtn Ayel" (?) [Mtn Ayel?]
- MA 5 170 W.Q. Kennedy. Paper on rocks & ore deposition.
- MA 5 419 A. Bibolino. Polished sections show intergrowths of
cubanite in chalcopyrite. Assoc with
pyrrhotite is "a concretionary pyrite which is
 optically anisotropic".
- MA 7 275 Pyrite, large x's (xlog)

TRAVERSELLA, Piedmont, Italy (II)

RSWB. 27/8/73. Viper-infested dumps;
gated adits. Little found of any
use! Much siderite, green chlorite

G. Pagani, Notizie Gr. Min. Lomb. (1972) [Mar.] 20.

Scheelite, bismuthinite, molybdenite,
arsenopyrite, haematite, siderite,
galena, blende, ilmenite, pyrite,
pyrrhotite, chalcopyrite

VALLAURIA, S. Dalmazzo di Tenda, Cuneo, Piedmont, Italy.

MAB, 86. E. Sanero. good x/s brown blende. (anal.).

Val VIGEZZO, Novara, Italy.

E. Passaglia, (1969) Rend S.I.M.P. Milano 25 [1], 105-6
[Notizie Gr. Min. Lomb. (1972) (Mar.) 7].

Roggianite, new mineral, white to
yellowish-white fibrous, in an albite
vein in schist. $\text{Na}_2\text{Ca}_{12}\text{Al}_{16}(\text{Si}_{26}\text{Al}_2)\text{O}_{52}(\text{OH})_{80}$.
 $d_{2.02}$, tetrag d 1.535 w 1.527. About
1½ km S of Orcesco, Druogno commune, on
Alpe Rosso.

Val VIGEZZO, Piedmont, Italy.

MA 14 494. JR Butler & PGE. "Delorenzite" from the type
loc., Piano del Laronchio, Craveggia = tanteuxenite.

VALLE de VIU, Piedmont, Italy

See Valle de LANZO

ZEBEDASSI, nr Volpedo, Piedmont, Italy

MA(1920-22) 35. A. Brunsoni. Zebedassite, ^{new} hydr silic of Al & Mg.
fills fissures in an altered rock found as loose
blocks on a hill of serpentine.

TUSCANY

ACCESA MINE, S.W. Tuscany, Italy

MA 81-2150 "Strahlenblende" (fibrous
sphalesite) in Pb-Cu-Zn mineralis'n, is
mostly sphal w. ~~a~~ very small amts. wurtzite

Monte AMIATA ^{Grosseto} A Tuscany, Italy.

MA6 143. Cinnabar xls (xlog).

D~~6~~ 1046 Realgar, orpiment e assoc mins... See
Grattarola, giorn. Min. 1 232 (1890)

~~Miss~~ Spec's sent to DM → RSWB (73-485) Dawsonite
white radiating

BOCCHE & GIANO, Grosseto, Tuscany, Italy

(N. Massa Marittima)

Letters to DH 72-3 Pyrite vg clusters of cubes;
strontianite small vg pale green xls
lining vughs in massive [cf 72-40]

BOTTINO MINE Seravezza, Tuscany, Italy.
See also LEVIGLIANI; RIPA; Val de CASTELLO.

MA 5 419 galena replaced by pyrite & pyrrhotite
in narrower veins, where cooling more rapid.

MA 8 8(Missing), 286. Meneghinite, a needle (X ray). $\text{Cu}_2\text{Pb}_{26}\text{Sb}_{14}\text{S}_{48}$

WPJ (1862) Lead mine, 2 ml E of Seravezza (Lucca), at
Gallena, on rt. bank of the Vezza. galena
rich in silver; has Sb., Meneghinite;
targionite; heteromorphite, capillary $2\text{PbS} \cdot \text{Sb}_2\text{S}_3$,
incl. xls 1 in. long.

V. de Michel (1967) v. g. "plumosite". v. g. Cu₂Py + sphal.

CAMPIGLIA, Tuscany, Italy.
See also Mte SPINOSA

MA 4 520 Ilvaite xls.

MA 7 216 C. Lauro Aurichalcite from Campiglia
Marittima, Tuscany. (anal).

MA 8 276 Ilvaite (x-ray) from Campiglia Marittima.

MA 10 417 F. Rodolico. Johannsenite, a pyroxene in
pyroxene-ilvaite skarn, from C. Marittima.

MA 11 50 A. Bertolani. From Monte Valerio, a yellow pdr
with cassiterite, haematite, etc in calcite geodes
chem anal → mixt. of scorodite & anglesite.

D6 App III p1. Adamite xls. Mte Valerio

WPJ (1862). Lead mine of Cava del Piombo, near
Campiglia (Grosseto). In rusty-green amphibole.
galena, assoc. with blende. Has "the
beautiful buratite" — recent growth.

D₇ II 866 Adamite, at Monte Valerio.
926 Tyrolite, Campiglia

D₆ App II 29 Chrysocolla, Campiglia

Letter to DH / 72-3 Monte Civillina, Italy — Johannsenite
Campiglia, Livorno. Hemim. As on limonite

map 136

CAPITO, nr. Capalbio, ?Tuscany Italy

WPS (1862). Cinnabar occurs, but not worked

CARRARA MARBLE QUARRIES, Tuscany Italy.

Miers (1929). Superb quartz vls lining cavities
in the marble.

MA 1 418 A. Pelloux. Sellaite (MgF_2), a single isolated
tetragonal prismatic xl 5×3 mm with quartz, from
the Piastra marble q'y nr. Carrara.

MA 3 26 A. Pelloux Mem Soc. Lunigiansi G. Capellini, Spezia, (1920), vol 1
fasc 3-4 (reprint, Sarzana, 8pp). A list, with brief
descrip, & locs of 36 min. species from Carrara area.

Letters to DH / 72-3

Rhodonite - CARRARA

CASA COLLINA, Tuscany

= PITIGLIANO, q.v.

CASTELNUOVO DI GARFAGNANA, Serchio Valley,
Apuan Alps, Tuscany, Italy.

MAI 152. Prehnite from a fissure in diabase, assoc.
with green epidote, from "the environs of Cdig."

CASTAGNETO

? Tuscany

Italy.

WPJ (1862) In the Volterrano. Antimony mine

Val di CASTELLO, nr Seravezza, Tuscany, Italy
See also SERAVEZZA etc.

WPJ (1862) To S of Bottino [q.v.], on S. slope of Monte Gabbeni, are mines of Argentiera or Sta Anna in the Val di Castello, which have argentiferous galena.

A grey copper from Angina, Val di C.
anal: Cu 35.8; Sb 27.47; S 24.0 % etc.
[= tetrahedrite]

CASTIGLIONCELLO, Livorno Hills, Tuscany, Italy.

MA 3 550. A. Pelloux. Magnesite worked in Livorno Hills
as veins in serpentine & euphotide. Usually
massive, white or yellowish, but sometimes
shows small lenticular xls.

129

01 58

CATABBIO, Grosseto, Tuscany, Italy.

cf San Martino

MA 10 346. M. Fornaseri Antimony vein of "La ~~Elm~~
Fuliggine", has calcite e fluorite gangue.
Fluorite, 2-8 mm cubes.

Monte CATINI, Val de Cecina, Tuscany, Italy.

MM 23 55 (1932) Thomsonite. p. 114 Laumontite.

MA 10 438 Spec. anal of selagitite & the contained
veinlets of sanidinite (traces Be).

CETINE DI COTORNIANO MINE, Rosia,
See also ROSIA. \ Siena, Tuscany, Italy

Map 120: Rosia, SW of Siena.

MA 10 445 M. Fornaseri An antimony oxychloride,
 Sb_3O_4 (from Cetine di Cotorniano, nr. Rosia
(X-ray, anal.) of senarmontite & hydromerite),
tufts of white acic. xls among xls of stibnite
alt'd on surface to hydromerite.

Spec from AP Read 5/76. Swapped to APR by an
Ital collector who coll it "underground,
from a landslip". 2 Stibnite partly altered
(from "CETINA DE COTURNIANO M. nr Siena")

Onoratoide "Cetine" $Sb_8O_{11}Cl_2$

~~PENLEE QUARRY, Newlyn, Cornwall~~
~~See GUYAS QU.~~

CETTINE, Siena, Tuscany, Italy.

MA 240. Fibroferite.

FORTULLINO, Livorno, Tuscany

Melanophlogite, glassy gobs.
Castiglione

MA 28 201; 772112 "Sulla melanoflogite del
Fortullino (Livorno)"

GAVORRANO, Tuscany, Italy.

MAH 82. C. Giannotti. Wollastonite, large laminae, in a rock enclosed in porphyritic granite. Calcite & a little quartz are compressed between the laminae.

MAH 521 F. Azzini. Pyrite from Gavorrano-Ravi, Tuscany.

GERFALCO, Tuscany, Italy.

MA 14 76 C. Garavelli. "Mossottite" ~~anal~~ anal & X-ray: SrO =
1.33-3.86%. X-ray = aragonite. [$\therefore$ = strontioaragonite]
v. Montieri

GIGLIO, Is., Tuscany, Italy.

MA 7 309. P. Rossoni. Copiapite, sulphur-yellow
effloresc. on a rock containing pyrite. (anal).

MA 10 408 A. Pelloux. Beryl (2mm colourless xls in granite);
copiapite encrusting granite walls of a pyrite
mine at "Calla" dell' Allume."

Bombicci's list (1862-3). Calcite xx - dolomite xx - felspar
- quartz xx - amethyst - copper carbonate -
Terra Giolla [?] - black tourmaline xx!!

IMPRUNETTA, Tuscany, Italy.

MA 5 287 Datohite xls (xlog & anal.).

MA 6 143 F. Rodolico. Chalcocite xls.

MA 11. 333 C. Minguzzi. Rocks & minerals of Impr. gabbro.
euphotide, jaspers, breccias etc. Primary diagenesis.
Sec'y antigorite, pennine, steatite, tremolite-
asbestos, & prehnite. Native copper & Cu mins.
also occur.

LARDERELLO, Tuscany, Italy.

MM 31 971 Sborgite, $\text{Na}_2\text{O} \cdot 5\text{B}_2\text{O}_3 \cdot 10\text{H}_2\text{O}$, new min, from
steam pipes at hot springs.

Dana Sassolite (boric acid)

MA 77-2154 Tschermigite

LEVANE, Arezzo, Tuscany, Italy

P. Banchi, spec → RSWB 8/80. 80-164

Kutnahorite, c'less needles, inside
1-2" nodules

LEVIGLIANI, nr Servavezza, Tuscany, Italy
See also RIPA, SERAVEZZA, etc.

MA 3 206 E. Manasse. Four specs leviglianite (a Zn-
e Fe-bearing metacinnabarite?) from the old Hg
mines at Levigliani, as small ^{black} compact masses
assoc w. cinnabar in a mica-schist, e with
cinnabar, mercury, e ankerite in qtz veins
traversing the schist.

WPs (1862) Cinnabar e native mercury. Cinnabar
"very massive" in minute veins assoc. with
quartz in schists at base of Monte Corchia.
Native mercury, ~~rare~~ ^{when} found in one cavity.

started running out & the miners
collected it by filling two hats with it!

Alpe di Terinca lead mine is near Levigliana,
5 ml above Seravezza

LIVORNO HILLS, Tuscany, Italy

D₂(II) 164 Magnesite.

MANCIANO, Grosseto, Tuscany, Italy ^{Map 136}
[cf Micciano] See also TAFONE M.

^{Superiorite}

Map 14: 40km SE of Grosseto

Letters to DH 172-3. Stibnite; Kermesite. ^[? m-stib]

Stibnite with stibiconite.

Marcasite.

Spec → DH. /74 Chapmanite (Ident. Univ

Pisa") sent orig. as ? garnierite green powder on rock [See Min Abs (1977) 2] 197-Tafone M]

R. Taylor Cat. (1976) Chapmanite: - Tafone mine

Map 136 shows abandoned Sb mine on R. Tafone at nr. 9934

MASSA MARITTIMA, Tuscany, Italy.

MA 10 408. A. Pellox. 18 mins coll. in pyrite mine of
Rio Torto, nr. M.M., include covellite; stibnite;
pharmacosiderite; copiapite; coquimbite;
fibroferite, etc.

WPJ (1862) Stibnite, at Cipollesi, from a farm ca
5 mls from Massa Marittima.
galena, blende, at Castellaccia (Grosseto),
4-5 ml from M.M.

MICCIANO, Pisa, Tuscany, Italy

WPJ (1862) in the volterrano. Stibnite

Letters to DM / 72-3 Kermesite, small xls
[? m-stibnite]

MIEMO, Tuscany, Italy.

D, II 214. Dolomite, "fine xls".

MONTIERI, nr. Chiusdino, Siena, Tuscany, Italy.

WPJ (1862): Argentiferous galena; baryte; fluorite;
cupriferous aragonite — "mosotite"
[see GERFALCO]; green carbonate of copper
[malachite], traces.

MONTUATO, Grosseto, Tuscany, Italy.

WPS (1862). Near the Papal frontier. Stibnite

MORONE MINE, Selvina, Tuscany, Italy. Map 129W
See also SELVENA

MA 2, 562. M. De Angelis. Stibnite closely matted groups of
prisms several cm long & "rarely exceeding 5-6 mm diam"
in large veins & stringers assoc with much
calcite, frequently as small scalenohedra, from
the cinnabar-bearing ground worked in the
Dainelli adit, a little above the Morone mine.

MURLO, Tuscany, Italy.

MATH 376. G. Curlo. Analcite, clear icositets; laumontite
translucent white xl fragments (analcs.)

PERETA, Grosseto, Tuscany, Italy.

WPs (1862) Stibnite in long xls of gr beauty, some of best in world, eg 1 cubic foot of interlacing crystals from a cavity. In nests in the marignano sandstone (soft & decomp.) at Pereta in the Maremma, not far from Grosseto.

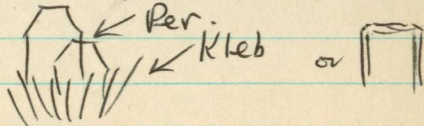
P. Banchi, spec's → RSWB 80-162 80-163.

Kleibergite cellless radiating blades on altering stibnite with ?Kermesite etc.
[?metastibnite]

Menchetti et al Am Min (1980) 65 936-9 Peretaite

$\text{Ca Sb}_4\text{O}_4(\text{OH})_2(\text{SO}_4)_2 \cdot 2\text{H}_2\text{O}$, a new mineral.

Monoclinic, rare aggs of tabular xls with
klebelsb., stibnite, qtz, calcite, pyrite, sulphur,
gypsum, valentinite, kermesite. IR given
 $\rightarrow 400\text{ cm}^{-1}$; Found closer to limestone
than is klebelsb. xls



Found in "Calcare Cavernoso"
in cav's of columnar stibnite.

Cipriani et al (1980) Neujahrb. Min Mitt. 223-9 Klebelsbite

Val di PERGA, Castellina, Marittima, Pisa, Tuscany, Italy.

MA 7, 348 P. Rossoni. Laumontite, with calcite, in
veins in diabase.

PIAN CASTAGNAJO, Santa Fiora, Siena, Tuscany, Italy

See also SELVENA

WPS (1862) Cinnabar. Near Selvena mine

D₇ II 277 Dawsonite $\text{Na Al CO}_3(\text{OH})_2$ assoc. w. dolomite,
calcite, pyrite, fluorite, & cinnabar. Also
at Santa Fiora.

PISA, Tuscany, Italy

Letters to DH / 72-3

Kermesite on stibnite

MONTERUFOLI, Pisa. Dolomite, chalcedony.

M. SERRA, Pisa Quartz

MICCIANO, Pisa, Kermesite, small xls

PITIGLIANO Maremma, Tuscany Italy (I)

= CASA COLLINA
35 km WSW of Orvieto. (Loc 5 km E of Pitigliano,
by stream, S of road)

DM spec - Haüyne

V. de Michele. Notizie Gr Min. Lomb. (1972) I [March] 12-13

Map, p 13.

Grossular-andradite, yellowish, common.

Leucite, xls - up to 15 cm!! opaque, white

Aegirine pyroxene. → 6-8 mm.

Vesuvianite - → 6-8 cm! common.

Barbieri & Fornasari. Riv'd in Not Gr Min Lomb (1972) I, p 8.

Latinumite - new mineral. looks like
anorthite & wollastonite.

$\text{Ca}_6(\text{K, Na})_2\text{Al}_4(\text{O, CO}_3, \text{SO}_4)(\text{SiO}_4)_6$ with
hedenbergite, gross-andr, melilite, leucite
& haüyne; or with clinopyrox, garnet, luc, & haüy.

PITIGLIANO, Tuscany, Italy (II)
(= CASA COLLINA)

Merlino & Orlandi (1977) Neu Jahrb. Min Mh 163-7,

Franzinite, new min, cancrinite group; translucent
white hex $\rightarrow \sim 1\text{cm}$ in coarse grained pumice
ejecta blocks, with idocrase, grossular,
andradite, pyroxene incl diopside, subordinate
melilite, lathumite, anorthite, brandisite,
liottite (Am. Min (1977) 62, 321-6) new min, hex.
cancrinite group, clear transp flattened hex
prisms $\rightarrow \sim 1\text{cm}$



J. Burrow Riv Min It (1991) 2, 118-9. Baddeleyite

pale green transp. tabl. to 1 mm in
sanidinitic ejecta, with sanidine, ~~quartz~~
hauyne, titanite, apatite

POGGIO FUOCO, Grosseto, Tuscany, Italy.

MA 10 301. M. Fornaseri. Stibnite in bodies of granular quartz in Trias dolom. lst is alt. to compact rods of a Ca-bearing Sb ochre-hydroromeite.

RIO TORTO, Massa Marittima, Tuscany,
Italy

MA 10 408 Pyrite mine, with also
covellite, stibnite, pharmacosiderite
cofiapite, coquimbite, fibroferite, etc

RIPA, Seravezza, Lucca, Tuscany, Italy.
See also SERAVEZZA, etc.

WPA (1862) 2 mi below Seravezza. Nearly horizontal
veins of cinnabar in soft greasy
"steaschists" on W slope of hill.

ROSIA, Siena, Tuscany, Italy.

MA 12 445 M. Fornaseri. From Cetine di Cotorniano, nr Rosia.

An antimony oxychloride Sb_3O_4Cl (X rays, anal,
cf senarmontite & hydroromeite), tufts of white
acic. xls among xls of stibnite alt. on surface to
hydroromeite.

? Onoratoite

SANTA FIORA ?Tuscany Italy

See SELVENA, PIAN CASTAGNAJO

S of M. Amiata.

SASSO PISANO, Tuscany, Italy.

MA 5 484. Ginorite, new hydr. Ca borate, with calcite,
in veins in sandstone. [See M. Mag. 29, 956]

SELVA, Casal di Pari, Grosseto, Tuscany, Italy.
Map 120 top (?)

MA 1 243 E. Quercigh. Sulphur, minute xls on alt'd stibnite

Map 129

SELVENA, Santa Fiora, Tuscany Italy

See also PIAN CASTAGNAJO, MORONE MINE

WPJ (1862) Stibnite, "good specimens". Near
Sta Fiora. Cinnabar

SERAVEZZA, Lucca, Tuscany, Italy.

See LEVIGLIANI; RIPA; BOTTINO MINE, Val de CASTELLO

SERRAZANO, Pisa, Tuscany, Italy.

MAZ 309 S. Bonatti. The "parasepiolite" is sepiolite.

Map 14

SIENA, Tuscany, Italy.

D6 App II, 25 Celestine xls "from sulphur caves
near Lornano, Siena"

Letters to DH /72-3 Gypsum xls, interpenetr. vg., PARI, Siena

SORANO, Grosseto, Tuscany, Italy

P. Banchi, spec → RSWB 8/80. 80-165

Aragonite, honey brown translucent
xls (fluorescent) in clusters on
porous sandy matrix

Monte SPINOSA, Campiglia, Tuscany, Italy.
See also CAMPIGLIA

MA 5 323. Tremolite.

MA 6 85 F. Rodolico. Idocrase, small green xls from
marble/granite contact zone, also tremolite; diopside.

TAFONE Grosseto, ^{Map 136} Tuscany, ^{9934?} Italy
See also MANCIANO

Pietro Banchi (of Arezzo). Spec → RSWB 3/82
[82-30]. Stibnite fine large x1
cluster etched out of calcite.

TAMBURA MINE,

? Tuscany Italy

WPJ (1862) Lead mine, "not 12 ml from Massa di
Carrara, on flanks of lofty Monte Tambura.

TORRE DI JANO, nr Montajone ?Tuscany Italy

WPJ (1862) Near Montajone, 12 mi N of Volterra:
cinnabar in soft blueish carbonif.
clays & schists.

ELBA

MM 28 312

Bombicci L. Corso di mineralogia, Bologna
(1862-3). [Ital mm pp 757-803]

Jervis W.P. The mm resources of cont St. Iord (1865)

- " - I tesori sotterranei dell'Italia.
4 vols 200 pp. Torino (1873-89)

Repassi E. La val d'Alla ed i suoi minerali
Riv Sci Nat Pava (1910) 10. 89-132. map. [HA 1-13]

Bombicci L. Bologna (1873)

D'Achiardi, A., Mineralogia della Toscana 2 vols 678 pp
Pisa (1872-3)

- " - Bibliografia mineralogica dell'isola e palae. della
Toscana. 57 pp (1873) Roma.

Molosevich F. I 5000 ~~Elbani~~ Elbani del Museo di
Firenze, contributo alla conoscenza della
mineralogia dell'isola Elba. Publ. R.

Ist. Studi Superiori Firenze (1914) 96 pp.

AE Fersman Material to the mineralogy of the
Island of Elba. [МАТЕРИАЛЫ КЪ МИНЕРАЛОГИИ ОСТРОВА
ЭЛЬБЫ] Bull Soc Nat Moscou (1910) n. 208 vol 23 (for
1909) pp 34-139 (German résumé pp 138-9).

ELBA, Italy (I)

See also SAN PIERO;

Miers (1929) Pyrite xls, often enclosing haematite & sometimes altered to limonite, from iron mines of Rio Chæmatite deposit in a siliceous plate. Haematite, stout rhombohedral xls, often brilliantly furnished.

MA (1920-22) 352. Anal of the well known lepidolite from Elba.
? San Piero?

MA (1920-22) 352. Petalite xls from Elba (xlog)

MA (1923-5) 298. P. Comucci The "hydrocastonite" of Elba is a mixture of alteration products.

F. Millosevich Rend. R. Accad. Linc. Rom Ser 5 vol XIX sem I p 92 I
Cobaltocalcite, new, bright red var. of calcite with $\text{CoO} = 1.27\%$
as xline masses at Capo Calamita, Elba.

MA 5 528. Pollucite (anal.). also MA 8 184
MA 5 336 Andalusite in thin-section of aplite from
Monte Perone.

MA 7 216 C. Lauro. Malachite from Rio Marina (anal).

MA 8 37 (Missing). Linnaeite, from Cape Calamita.

MA 9 198. J. P. Mateos. A spec labelled as "achroite" from Elba
is ident. as clinozoisite. [? San Piero]

MA 10 293. S. Bonatti. Dachiardite (xlog).

~ 300 F. Rodolicoe O. Spacagna. Beryl (xlog)

~ 317 Spec. anal of 20 differently coloured tourmalines.

ELBA, Tuscany, Italy (II)

MA 11 301 Prickeringite (halotrichite group) from Rio Marina.

MA 12 581 Hedenbergite in skarn at Tignitolo iron-ore mine.

MA 13 86 C.L. Garavelli New min, minguzzite, in limonite green from Capo Calamita. d 2.080 $K_3Fe(C_2O_4)_3 \cdot 3H_2O$.
It intimately intermixed with yellow oxalite (= humboldtine) from which it is derived by add'n of K from surface water.

MA 14 76 Humboldtine, yellow to reddish-brown xls from C. Calam.

MA 14 58

MM 31 954. C. L. Garavelli Bonattite (new) $\text{CuSO}_4 \cdot 3\text{H}_2\text{O}$. Partly
dehydrated chalcanthite from Elba.

MA 14 77 C. Garavelli

Anal., X-ray, DTA, etc on green
incrustations from Capo Calamita show presence
of paratacamite, also green gypsum with $\text{CuO} 1.4\%$
From Terranera: Pickeringite; pisanite; botryogen;
copiapites.

WPS (1862) Stibnite - Procchio in Elba.

D, II 579 Cyanotrichite reported from Rio.

ELBA, Tuscany, Italy. (III).

WPJ (1862) "Minerals of Cent Italy" (repr 1868). Details of
J.P. Jervis iron mines, from p 38.

Rio - very big, with good specimens in parts.
Capo Calamita - "a very considerable excavation
since 1851..." (published 1862!!!). Has magnetite
("lodestone"). Some coatings of chrysocolla
on specular ore. Veins of titaniferous
iron to E of the Punta nera - porous
masses in which minute brilliant xls
dispersed - ~~near~~ also here, ferriferous
garnets, pea-sized, but seldom in detached
xls.

Terra Nera, & Rio Albano smaller. Rio Albano is at Capo Pero & has beautiful iridescent stalactitic iron ores.
Vigneria, $\frac{1}{2}$ ml from Rio [combined?].

Cu mines p56→.

Sta Lucia. Below & on E side of ancient ruin of S.L., crowning summit of prominent hill 3 ml S of Pontoferrajo, close to serpentine boundary (S.L. is in granite): Chalcopyrite, bornite, cuprite, native copper, & in small pieces in quartz, fibrous malachite and crystalline azurite.
Capo Pomonte. SW extremity of Elba.

ELBA, Tuscany, Italy (IV)

Rocks are serpentine, gabbro, & aphanite, with quartz veins with chalcoprynite. Superficial green stains.

"Cava dell'Oro". 2 ml W of the Marina di Marciana, under the Concha. Probably not gold mine. Visited by \$ boat. Found chalcoprynite vein in hard quartz.

Monte Perrone. 8 ml from Portoferraio, on road to Marina di Marciana, & 2 ml from MdM, a little path branches off towards Monte Perrone, where, a mile from the coast, arrive at a spot where the village of Poggio is visible directly

in a line with Marciana Alta. Ancient mines here. Has gozzan, with a little silky malachite.

D₇ II 886 Fine apatite in pegmatite [? San Piero, q.v.]
997 Pharmacosiderite, at Capo Bianco

D₆ App III p^y. Apatite - violet xls from Elba, so developed that appear monoclinic (!)
p⁹. Arsenopyrite from Mte Arco, Elba.
p¹⁸ Cassiterite from San Piero
p²² Copiapite Mte Arco
p²⁸ Epidote, Mte Arco
p³⁰ Fibroferrite - Capo Calamita, Vigneria, & Capo d'Arco.
p⁴¹ Ilvaite Mte Arco

ELBA, Tuscany, Italy (V)

- D₆ App III p 42
- 64 Jarosite, Mte Arco, Capod' Arco, Capocalamita.
 - 65 Nedensbergite Mte Arco
 - 65 Pyrrhotite Mte Arco
 - 67 Zincorhodochrosite (45% $ZnCO_3$) from Rosseto.
 - Artif Fe bearing rhodonite in slags of Porto Ferrajo
 - 19 Cerussite, Rosseto
 - 6 Anglesite, Rosseto
 - 73 Spinel, S. Piero
 - 79 Tourmaline, Mte Arco.
- App II, 7. Anthophyllite at Fonte del Prete.
- 56 Cordierite "in tourmaline veins of Elba"
 - 99 Stilbite "Elba"

D. App II 109 Valentinite, Procchio. D6 529 Axinite

Millosevich. Ist. Firenze, Sep. Pub., "Contributo alla
conoscenza della Mineralogia dell'Isola
d'Elba" (1914).

Mte ALBERO, Marciana, Elba, Italy.

Bombicci's list (1862-3). Braunite dendritica
nell' Eurite [not in Hey - ?].
[in]

M. A. 17 38
C.d'A. 18 37

Mte ARCO, e Capo d'ARCO, Elba, Italy.

D6 App III Mte ARCO: Arsenopyrite; copiapite; epidote;
ilvaite; jarosite; hedenbergite;
pyrrhotite; tourmaline.
capo d'ARCO: Fibroferrite; jarosite.

BM: Capo d'ARCO: jarosite, brown xls on goethite.

CAPO BIANCO, Longone, Elba, Italy.

See TERRANERA

Capo CALAMITA, Capoliveri, Elba, Italy. (I)

F. Millosevich. [See "Elba" card for ref.]. Cobalto calcite, new, bright red var. of calcite, with $\text{CoO} = 1.27\%$, as xline masses.

MA 8 37 Linnaeite.

MA 13 86 CL. Garavelli. New min, minguzzite, green, in limonite. $d = 2.080$. $\text{K}_3\text{Fe}(\text{C}_2\text{O}_4)_3 \cdot 3\text{H}_2\text{O}$. Is intimately mixed with yellow oxalite (= humboldtine) from which it is derived by addit'n. of K from surface water.

MA 14 76 Humboldtine, yellow to reddish-brown xls.

(I)

MA 14 77 C. Garavelli. Anal., X-ray, DTA etc on green incrustations from C. Cal. show presence of paratacamite, also green gypsum with $\text{CuO} = 1.49\%$

WPJ (1862) C. Cal. "A very considerable excavation since 1851..." [NB published 1862!] Has magnetite-lodestone. Some coatings chrysocolla on specular ore. Veins of titani ferrous iron to E of the PUNTA NERA — porous masses, in which minute brilliant xls dispersed — also here, ferriferous garnets, pea-sized, but seldom in detached xls.

D₆ App III p 30. Fibroferrite.
p 42 Jarosite

Capo CALAMITA, Capoliveri, Elba, Italy (II)

Bombicci's list (1862-3): MONTE DELLA CALAMITA: Amfibolo.
- calamito [=magnetite] magneto-polare!! - cobalto-
arsenicale - eritrina xx - ferro bitano ottaedro-
ilvaite !!xx - pirite xx - quarzo - selenite xx -
semiopal (ferruginous).
PUNTA ROSSA: Anfiboli - seleniti.

BM: M. CALAMITA: azurite

Rio Mus: VALLONE, Calamita: Cu minerals etc.

CAVOLI, Campo, Elba, Italy

Elba guide: Geodes in granite quarries, with
S. Piero-type minerals.

RSWB, TBO (9/64) Quarry at P. Cavoli has
black tourmaline in narrow qtz veins
in granite

ENFOLA, Marciana, Elba, Italy.

Bombicci's list (1862-3): ortose [= orthoclase]xx geminati
—quarzoxx— detto [= by-word, saying, called, named, said]
amatistino.

FALCACEI MINE, Rio Marina, Elba.

Rio Marina Museum: Bismuthinite -
Falcacei Mine, Rio Marina

Capo di FONZA, Sta Maria, Elba, Italy.

Bombicci's list (1862-3). Orthoclase xx - quartz xx.

Valley dei FORCIONI, S. Ilario, Campo, Elba.

Elba guide: "Tourmaline xls of a beaut. violet colour
are found quite commonly in the valley
dei F, N. of Santo Ilarione in Campo.

Punta del

~~PUNTA DEL~~ GIARDINO, Campo, Elba, Italy

Bombicci's List (1862-3).

Calcopirite - Rame clorurato.

Capo S. GIOVANNI, Longone, Elba, Italy.

Bombicci's list (1862-3). quartz veins; tourmaline-
granite with orthoclase xx

Sta. LUCIA, Elba, Italy.

WPJ (1862) Cumings: Below & on E side of ancient ruin of Sta LUCIA, crowning summit of prominent hill 3 mi S of Portoferraio, & close to serpentine boundary (SL is on granite): chalcopyrite; bornite; cuprite; native copper; & in small pieces in quartz, fibrous malachite & crystalline azurite.

Bombicci's list (1862-3). COLLE RECISO [1 km S of S. Lucia] chalcopyrite; erubescite; native copper; ziguelina [till ore] - (nelle [in] quarziti connesse alle serpentine).

Mte LORELLO : Native Copper.

1:25,000 map. No mines shown. S. Lucia shown, also
Cle Reciso, 1 km to the S. A "M. Orello" is shown $\frac{1}{2}$ km
E of Cle Reciso. At Cle Reciso is shown a
"Cave di pietra" [= quarry of stone].

Valle Sta MARIA, Santa Maria, Elba, Italy.

Bombicci's list (1862-3) "Valle S. Maria, e [and, either, or]
strada alta di Marciana". — "quartz xx, aeroidro".

1:25,000 map shows "Valle S. Maria" at 0735 (grid on 1:100,000 map)

No Marciana shown in the area.

Monte PERONE, Marciana, Elba, Italy.

MA 5 336 Andalusite in thin-section of aplite
from M. Perone.

WPJ (1862) 8ml from Portoferraio, on road to Marina di
Marciana, & 2ml from MdM, a little path
branches off towards M. Perone, where, a mile
from the coast, arrive at a spot where
the village of Poggio is visible directly in
a line with Marciana Alta. Here be
ancient mines. Have gozzan, with a little
silky malachite.

Bombicci's list (1862-3): Rame carbonato - rame nativo
[native Cu] - zigueлина [tile ore].

Capo POMONTE, Campo, Elba, Italy.

WPI (1862) At SW extremity of Elba. Rocks are serpentine, gabbro, & aphanite, with quartz veins with chalcopyrite. Superficial green stains.

Bombicci's List (1862-3) ^{"Pomonte"} 1. Epidoto pistacite [with] [garnet] con granato xx, nel [in]
quarzo latteo xx - lame native con ziquelina [tile ore].
 [milky] [copper] [with]

Stibina.

PROCCHIO, Marciana, Elba, Italy.

WPJ (1862) Stibnite.

D₆ App II, 109. Valentinite.

Bombicci's list (1862-3). Antimonio ossidato - boulangerite? -
stibina nel[in] quarzo.

Colle RECISO, Elba, Italy.

See Sta LUCIA.

Rio, Elba, Italy. (I) & VIGNERIA.

See also RIO ALBANO, VIGNERIA

Miers (1929). Haematite deposits in a siliceous slate. Pyrite xls, often enclosing haematite, & sometimes altered to limonite. Haematite, stout rhombohedra, often brilliantly tarnished.

MA 7216 C. Lauro. Anal of malachite from Rio Marina.

MA 11301 Pickeringite (halotrichite group) from Rio Marina.

D₇ II, 579 Cyanotrichite, reported from Rio.

WPJ (1862). Rio - Very big (details), with good specimens in parts.
Merges with Vigneria, $\frac{1}{2}$ ml off.

Bombicci's list (1862-3) Rio ALTO: "Pistacite radiata nel
quarzo latteo cristallizzato" [Radiating epidote in
milky quartz xls]

RIO: Anglesite in galena (RIO ANTENNA).

Limonite, including iridescent. - "oligisto xx!!" [ie
superb haematite] - Pirite xx - quarzo x - solfato
di ferro.

TORRE DI RIO. Amphibole; bustamite; Ledenbergite;
epidote; ilvaite xx!!; "leucopirite" [= löllingite];
arsenopyrite xx.

RIPA ELCINA - Marne azzurre [?]

De App III. VIGNERIA. Fibroferrite

RIO, e VIGNERIA, Elba, Italy. (II)

BM: RIO MARINA: Malachite luffs on goethite

Rio Mus: FALCACEI M: Bismuthinite

RIO ALBANO, Rio, Elba, Italy.

See also RIO etc.

Bombicci's list (1862-3) Limönite; Haematite.

WPJ (1862). Smaller than Rio e C. Calamita. It at
Capo Pero, & has "beautiful iridescent stalactitic
iron ores."

Rio Mus: PISTELLO: Malachite, azurite

RSWB & TBG 9/64 Dumps by roadside just N
of main works (ie round the corner, out of sight)

had large lumps massive haematite etc
some green stained which on breaking
up gave pretty needles malachite &
a little azurite. Traces? aurichalcite.
Chalcopyrite intergrowths

ROSSETO, Elba, Italy.

D₆ App III. Anglesite; cerussite; zincorhodochrosite,
(45% ZnCO_3).

SAN PIERO, Campo, Elba, Italy (I)

Miers (1929). In the granite of San Piero, are veins which contain abundant tourmaline, assoc. with white orthoclase, silvery mica, white & rose-coloured beryl, albite, quartz, & yellowish-red garnets. Some of the tourmaline is nearly black, especially at the edges of the veins. but some of the druses contain beautiful rose-coloured xls, terminated by basal plane c. This granite also yields green xls, the colourless achroite & red + green prisms.
Beryl, colourless, or tinted red, green, or

blue, richly terminated, in druses of the
tourmaline-granite.

MA 3 209 E. Grill. Tourmaline (a) a pink doubly-term. xl
upper end yellowish, 22x12 mm from the Grotta d'Oggi
(granite q'y) San Piero. (b) a yellowish-green xl, upper
end blackish, 3x2.5 mm, from the granite of
Facciatoia, San Piero [in Campo].

MA 3 286 H. Berman. Dachiardite - "zeolite mimetica" as
small colourless xls in the granite-pegmatite of
San Piero in Campo. - 8-sided prisms with cup-like
depression at the end & a central longit. channel
-twins. [Hey - a CaK_2Na_2 zeolite].

SAN PIERO, ^{Campo}, Elba, Italy (II)

MA 4 138. F. Zambonini & v. Caglioti. "Rosterite" small pink xls, var. of Beryl, tabular in habit. (Analys.)

MM 25 212 Ptilolite, fibr. zeolite, from San Piero.

MA 9 145 Review of popular book "Reminiscences about stones" by AE. Fersman.
One chapter titled "Testa nera" (Italian, black head, for the "negro-head" xls of tourmaline from Elba, where the author in 1909 commenced his long study of pegmatites).

MA 9 198 A spec. labelled "achroite" from "Elba", ident as clinozoisite. [? San Piero]

MA 11 304 Review on pollucite literature. Pollucite from the tourmaline-bearing granite of S. Piero, also petalite.

D₇ II 826 Amblygonite
886 Fine apatite in pegmatite "on Elba" [? San Piero]

D₆ 495 Topaz in cavities in the granite of S.P.

BM: Mordenite (zeolite), fine white needles with stilbite
on pegmatite with bits of black tourmaline.

D₆ App III. Cassiterite; spinel.

Apatite - violet xls "from Elba", so developed that
they appear monoclinic [!].

App II Stilbite "Elba"; Cordierite "in tourmaline veins
of Elba"; Axinite "Elba". Anthophyllite
at Fonte del Prete

BM: Apatite, lavender xls with lepidolite in granite - San Piero.

SAN PIERO, Campo, Elba, Italy (III).

Bombicci's list (1862-3): "Alla base del Montedi S.P.: Diorite, with black tourmaline; epidote xx; garnet xx; magnesite in serpentine.

"Nel [in] granito recente tormalinifero": Berillo xx; braunite xx; cassiterite xx; castore xx! [var of petalite]; granato [garnet] xx; lepidolite xx; mica; orthoclase xx; polucite; quartz xx; tourmaline - black! "policrome"!! roseo!.

"Contorni di S.P." ["contorni" = vegetables served with a dish of meat; contour; outline]: Caolino; nacrite; petunze [? not in Hey] - dendritico; resinite; semiopale.

D'Achiardi "Le Cave Tormalina dell I. d' E" mentions GROTTA
d'OGGI,

FONTE DEL PRETE; LA SPERANZA.

D'Achiardi "Zeolite del Filone della Speranza, presso S.P." In cava della speranza: lepidolite; tourmaline; powdery stilbite; philolite; "zeol. mimetica" [=Dachiardite].

D'Achiardi. "Beryl..." FONTE DEL PRETE, GROTTA D'OGGI, [?] Facciatoia; Speranza; Stabbiali. [?] Rostente di St. Ilario.

DA "Di Alcuni Minerali dei Filoni Torm. nel gran. di S.P.": Pyrite - FONTE DEL PRETE; Arsenopyrite - GROTTA D'OGGI; F. del P.; Rutilo - G d'O; Apatite - F del Pr; "cristallo roseo-pallidissimo". Lepidolite. Stilbite - F del Pr.

D'A. "Cordierite dei filoni Fourm nel G. di S.P": G d'O; F del Pr.

D'A. "Pleochro. de Fourm." G d'O; F del Pr; FACCIATOIA; STABBIALI, etc.

SAN PIERO, Campo, Elba, Italy (IV)

Grattarola's papers: Pollucite; castorite [var of petalite];
lepidolite; tourmaline; apatite; natrolite;
chabazite; calcite. No specific locs.

"Orizite e pseudonatrolite" : Orizite - MASSO FORESI;
FONTE del PRETE, with its "celebrati minerali,
specialmente tormaline, grossi berilli, polluce in
quantita straordinaria, castore, apatite" e zeolite,
eg foresite; heulandite, etc.
↓
var of stilbite.



orizite [Hey: "oryzite"]

BM: Petalite on pegmatite, prismatic xl: Stilbite, pink
crust on quartz e orthoclase.
Microcline $(Ca, Na)_2 (Ta, Nb)_2 (O, OH, F)_7$: tiny black xls with quartz
e felspar. [cubic eg cubooctahedra]

RSWB e TBG (9/64)

Gro. d'O. in valley Fso Bovalico (above "70" on
1:25,000 map). granite outcrop studded w.
pines e lizards. Small quarry - granite,
some small veins w. small vugs. - one
tiny green tourmaline xl seen - uncollectable.
Itainy black tourm. on qtz. On path one
cless v. striated hex prism ?beryl w. quartz,
felspars etc (TBG) Sgr Batista: "No caboom,
no tourmalino"

Fonte del Prete Immed S. of village, just below terrace house
at foot of steps below bell tower. Outcrops with
veins e loose blocks, gave tourmaline xls -
black v. common, occas merging → greenish → colourless
sometimes zones  or ; a few nigger-heads; some
rubellite esp on W "dump" - but all small, with
qtz, felsps etc. One cless hex prism. ?ber or apat.

^L
SECCHETO, Campo, Elba, Italy.

Elba guide: S. Piero-type minerals in geodes
in granite quarries

RSWB & TBG 9/64 Several small working
quarries in granite at SECCHETO:
fine-grained even granite, rare patches
stellate black tourmaline - no vugs

TERRANERA e Capo BIANCO, Longone, Elba, Italy.

MA 14 77 C. Garavelli: Pickeringite; pisanite; botryogen;
copiapites. (From Terranera).

WPJ (1862). Terranera smaller than Rio. Iron mines

D₂ II 886 Pharmacosiderite, at Capo Bianco

Bombicci's list (1862-3). Haematite; limonite.

TIGNITOIO Iron mine,

Elba, Italy

MA 12 581

Hedenbergite in skarn at Tignitoio iron mine.

VIGNERIA, Rio, Elba, Italy.

See RIO

S.TYROL

SEISSER ALP, S. Tyrol. [Ortisei]

Italy

Rayner's Catalogue 1/60 : Analcite — "Alpe Di Siusi"

Dana₆ Seisser Alp, Tyrol: Datolite; apophyllite.

Oxford Mus Spec: Datolite.

Frombach, Seisser Alpe: apophyllite.

MA 28 202 ; 77-2117 Analcime, natrolite, mesolite,
Thomsonite, heulandite, clinoptilolite,
chabazite, mordenite, dachiardite,
laumontite.

FASSATAL, (Dolomites), Italian Tyrol.
~~See also~~ M. MONZONI

GM. Mt. Monzoni: Idocrase;

Fassa: Augite, var Fassaitite;

BM. Mt. Monzoni: Spinel, var. Ceylonite, black octahedra, with fassaitite;
Monticellite ($MgCaSiO_4$) var batrachite, yellow massive, with calcite
and spinel; grossular; augite; delessite, black nodules

Fassatal, Fassa, Val di Fassa: Sillimanite with hornblende; Idocrase;
Gehlenite; augite; biotite with orthoclase; heulandite;
Seybertite $Ca(Mg, Al)_3(Al, Si)_4(O, OH)_{12}$, blue-grey platy xls in

cavity in Fassaitite — "Tyrol"]

Rutley 15th Ed., p. 116. Analcime; p. 142, Pectolite, at Mt. Monzoni;
p. 142, Laumontite ("Fassal-Thal")

Dana, 6. Mt Monzoni: Epidote; axinite with brown garnet & calcite
forming a vein in diabase; apophyllite; natrolite; spinel in
compact gehlenite; zeolites & micas.

V de Michele. Red leucandite, vg. DRIO DE PALE

(MT.) MONZONI), Fassathal, ^{Trento} S. Tyrol, Italy.
See also MT RONDELLA; FASSATALI;

Miers (1929) Here, adjoining the Fassathal in a bluish granular limestone, with massive spinel & augite, are found yellow and greenish idocrase xls of considerable size & pyramidal habit. The idocrase is drusy & partly altered into steatite. Grossular, green & yellow icositetra. with idocrase & calcite in veins at the contact of a crystalline limestone with augite-syenite.

MA (1923-5) 529. G. Bellinzona. Thomsonite, minute spherules on chabazite rhombohedra (2 generations) with garner, sphere, &

spinel in fissures in gabbroid monzonite adjacent to a contact between that rock & limestone, on the N. side of Monzoni.

Letter to DM /72-3, Heulandite (red xls) ~~FASSA~~ natrolite ()
- Both "VAL DI FASSA" From "MONZONI, Trento" →
Anorthite xls; chabazite ("phacolite")

Fassathal, S. Tyrol, Italy.

(MONTE) RONDELLA (RODELLA), Gabbia-Berg, by Campitello,

See also MT. MONZONI;

MA (1920-22) 30. R. Koechlin. Well known prehnite loc. The
white xls on prehnite prev. supposed to be "weathered
sphene", are, in fact, datolite.

Fassathal, S. Tyrol, Italy.

(MONTE) RONDELLA (RODELLA), Gabbia-Berg, by Campitello,

See also MT. MONZONI;

MA (1920-22) 30. R. Koechlin. well known prehnite loc. The
white xls on prehnite. prev. supposed to be "weathered
sphene", are, in fact, datolite.

Map 4/5

FIEMME Valley, Trento, S. Tyrol, Italy

Letters to DM 172-3. ^{White} 1 Dolomite xls: -ZIANO

FLEIMS TAL, Tyrol. (Italian?)

[S. of Fassatal? De ~~3~~ = "Fleimsertal"]

GM: Orthoclase, pink.

(CLAUSSEN) [CHIUSA]
(THEISS, nr. CLAUSSEN) S. Tyrol Italy Austria?

Dana 6. Datolite in geodes in amygdaloid.

CLAUSEN = Chi~~usa~~sa. NNE of Bolzano
Brixen (further NNW) = Bressanone

D₇ II 580 KLAUSEN, Trentino - Woodwardite

GRIGNA DI AURONZO MINE

Italy

? Mine on BP ~~map~~ ^{greg} Österreich map W of AURONZO, S. Tyrol - in Drei Zinnen area, & long way S. of Venediger)

MA 12 126 G. Ogniben. Anglesite xls (xlog).

MASUL RIO, Merano, S. Tyrol, Italy.

MAB 85. A. Scherillo. The pegmatite is relatively rich
in beryl (2-3%)

Map 4/5

Val AURINA, Bolzano, S. Tyrol, Italy
[Inmed S of Zillertal Alps] [AHRNTAL]

Letters to DH /72-3 Periclinal + quartz. vg xls

(Typical "alpkluft")

Vde Michele (1967) Apatite xl (1cm) RIO NERO

Ankerite. Sphene xls RIO TORBO

Albite (periclinal). vg Amethyst SASSO NERO

VIPITENO

STERZING, Styrol. [VIPITENO Italy]

P 17

S of Brenner Pass. De

GM: Albite transparent.

Dana 6. Zorite; spodumene.

L. Liebener, Die Mineralien Tyrols (1852), p. 45: Apatite, at Valtigels, (^{near} Sterzing)

(RATSCHINGES) STyrol. Italy

RACINES

BM: Prehnite.

[Italy - Racines, WSW of Sterzing, S of Brenner]

^(Riomolino)
MÜHLBACH TAL, Tyrol, ~~Austria~~ Italy.

P 16

[S of Zillertal, N of Bruneck. on Map 15]

BM. Silky Tremolite.

Doblicka, Tirols Mineral, Wien (1852). p 55 Sphene at Mühlbach, Pfunders.

BURGUMER ALP^{VIZZE}_AS Tyrol. Italy P 12

See "Wildkreuzjoch"

O.U.M.: Zircon.

PUSTERIA
(PUSTERTAL) S. Tyrol. Italy

P 15

Doblicka, Tirols Mineral (1852). Sphene.

Liebener, Die Mineralen Tyrols (1852). Sphene. "Pfunders-Eisbruckalpe, am nährlichen Gebirge des Wildkreuzjochs, jedoch auf der Seite gegen Pustertal."

Vizze

WILDKREUZJOCH, Tyrol. Italy

P 11

"Between Pfitsch & Pfunders, in Tyrol". See Pfitsch, Pustertal, etc.

Dana 6: Perovskite, but rare.

L. Liebener, Die Mineralien Tyrols (1852). Epidote; idocrase; rutile; zircon; sphene "Pfunders-Eisbruckalpe, am n hmlichen (namely) Gebirge des Wildkreuzjoches, jedoch (nevertheless) auf der Seite gegen Pustertal"

R. v. Klebelsberg "Geol von Tirol" (1935) p225 long list of minerals of oberen Schieferh lle, near serpentine contact - Bergumer Alpe ("Wildkreuzjoch"). also "am Wildkreuzjoch, (Pfitsch)"

ROTHEN WAND, ^{Vizze} Pfitsch. S. Tyrol, Italy 7

Liebener (1852): Sphene

Doblicka (1852): Sphene ("anden Rothen Wänden", Pf-grunde).

v. Klebelsberg (1935) Rich loc "Rote Wände" (see "Zillertal"
Z1, 2 for minerals)

^{Vizze}
EISBRUCK, Pfitsch, Tyrol, Italy

P 13

See "Pfunders" FUNDRES

O.U.M.: vq Sphene; chlorite.

Liebener (1852). Sphene. (see "Pfunders")

FUNDRES

(PFUNDERS) S. Tyrol Italy

P 14

See also "MUHLBACH TAL"

Dana 6. Sphene.

and Eisbrücke

Doblicka, Tirols Mineral, (1852), p55 Sphene at Mühlbach / Pfunders.
also Pustertal

L Liebmayer, Die Mineralien Tyrols (1852) Idocrase "auf der Porgummer Alpe
gegen Pfunders." Sphene "Pfunders- Eisbruch alpe, am nördlichen
Gebirge des Wildkreuzjoches, jedoch auf der Seite gegen Pustertal"

LOVITZER ALPE, Vizzate (Pfitsch) Tyrol

(2! One in Austria, just N of Pfitsch-Joch; one in Italy just SE of P.J.)

Liebener (1852): Apatite

v. Klebelsberg (1935) Rich mineral area

Passo di VIZZE, S. Tyrol, Italy

See Pfitsch Joch, Tyrol, Austria

PFITSCHTAL, Tyrol. Italy

P 2

see pfitsch-Joeh,

GM ("Pfitsch") Kyanite, blue, and var rhaetizite, almost white.Rutley 15th Ed p 143. Kyanite.Rayners Catalogue 1/60 ("Pfitsch"): Apatite with adularia.Dana's: Idocrase; Kyanite; biotite with black tourmaline.Doblicka "Tirols Mineral" (1852) ("Pfitsch"): Sphene; "Rothen Wänden"-zirconLiebener (1852). Rutile ("Pf-grunde"). sphene ("Pf-grund")

KRAXENTRAGER, Vizzate (Pfitsch), Italy / Aust

[w of Pfitsch-Joch]

v. Klebelsberg (1935) Beryl, var. aquamarine

GRAUWAND, Vizzate (Pfitsch), S. Tyrol, Italy/Austria

[W of Pfitsch-Joch]

v. Klebelsberg (1935). Beryl.

ROTBACHL, Vizze (Pfitsch) S. Tyrol, Italy/Au

Liebener (1852): Apatite; rutile; Kyanite, var.
"rhaetizite"

v. Klebelsberg (1935) Rich mineral area.

USE OF
ITALY

AREZZO

Italy

Letters to DH /72-3

Native copper

ARICCIA, Roma, Italy

See also OSA

Letters to DM 72-3 Melanite; [74-143]

vg Hauyne, with fluorite

Map 4/5

Val d'ASTICO, ^{Venezia} Vicenza, ^A Italy

Letters to DM /72-3 Brucite, laminae.

Orthoclase, large pink xl.

BARGONE, Chiavari, Genova, Italy

D. Hardman specimen, ex. (4/73)

Epidote, vg xls  projecting
individually, with quartz xls
on matrix. Said to be
"finished in mine" — ["mine"? = quarry]

BELLISIO,

~~St. S. S. S. S.~~ Italy.

nr Cesena, S. S. ?
~~nr Rav~~ Ravenna?

BM: Superb transparent gypsum x1 with mirror-like
cleavages & sulphur. Celestine, colourless
tabular, on calcite.

Val CAMONICA, Brescia, Italy.

G. Pagani, Notizie gr. Min. Lomb (1972) [Mar.] 21. Near
BRAONE, quarry è Mignone al Dosso degli Areti,
ca 1100 m altitude. Idocrase xls → several
cm., blue calcite; epidote, ferrosite,
grossular.

CHIAVARI, Liguria, Italy.
See also GENOVA

Letters to DM /72-3

BARGONE, Chiavari. Vg epidote "no longer
obtainable from the mine"
GAMBATESA MINE, Chiavari. Closed. V. Nice
~~Horz~~ tinzenite xls.

CIANO ENZA, Modena, Italy

DM spec ex Hal coll. /73. Datolite. [cf FUTA]

CIMINA, Rome, Italy

D₆ App I, 22. Dankusite xls "in the Cimina region"

LAKE COMO

Italy

Rayners Cat. (1960)

Beryl, single xl. (15/-)

CORCOLLE

Italy

Specs to DH '72-3

Breislakite

Monte delle CROCE, nr. MONTEFIASCONE,

Italy.

D. App I, 17 "Chrysolite" xls. (=Olivine)

Map 10 bottom, Map 14 top LHS

FUTA, Passa della; Bologna/Firenze Italy

See also PORRETTA

Maps 45 km S of Bologna

Letters to DH. /72-3 Datolite, good c'less
x/s on black basalt.

GAMBATESA M., Val Graveglia, E. Liguria
Guida Al Minerali p131 (7) (11) (12)

A. Palenzona, G. Corallo, Riv. Min. It (1991) 2 115-8

In Val Grav. 3 mines - CASSAGNA, MOLINELLO
& GAMBATESA. In last decade 4 new species

from this area - saneroite, tiragalloite
medaite & palenzonaite. - because of
unusual geochem, with As & V.

GAMBATESA M. orebody of hausmannite, tephroite
& bementite (sprays of purple-pink xls to 2 cm).

In ~~an~~ small vein in tephroite white transp
prismatic micro xls of new gravegliaite,
the 3rd sulphite, $MnSO_3 \cdot 3H_2O$ orth.

Valle della GAVA
See also GENOVA

Italy

G. Pagani, Notizie Gr. Min. Lomb. (1972) [Mar.] 20.

Hessonite, sphene, diopside, hornblende,
apatite, magnetite, pyrite, quartz, ilmenite

GENOVA, Liguria, Italy.
See also CHIARAZI

Letters to DH /72-3

VOLTRE - [on coast, 10 km W of Genova] Hessonite xls

VARA, Liguria. Hessonite xls.

GAVA VALLEY, Genova. Hessonite, nice xls, w. sphene
chlomite

CAMPEGHI, Gen. Epidote, quite nice xls on matrix

FIALLO, Savona. [40 km W of Genova] Hessonite xls

VARENNA VALLEY, Genova: - ~~Epidermine~~
= Epistilbite

LAGIO,

Italy.

Letters to DH / 72-3.

SORIANO, LAGIO - Sanidine xl.

LAZIO

Italy

?? SE of Rome ???

Letters to DM /72-3 :-

LAZIO - Phillipsite (uv fluoresc), glob, in matrix.
Leucite (nice) Gismondine

POFI, LAZIO - Epistilbite + calcite (nice).
(cf Pofi SE of Frosinone; Map 16)

LIBIOLA, Liguria, Italy.

See also valle del NEVA

D, II 176 Sphaerocobaltite

LONEDO

NE Italy

D6 408 Beryl, beaut. xls, with cosimundum, zircon,
topaz, spinel.

Val MALENCO, Sondrio,

Italy (I)

Map 3

Letters to DM. 172-3 Aragonite; artinite.

F. Bedogné & R. Pagano, Min. Rec. (1972) 3 [3 May/June] 120-3

Map, p 120-1

"Demantoid" (around Francisa only) in asbest in serpentinite
Other garnet species except pyrope. Perovsk. on calcite
in serpentinite. v rare. few $\rightarrow$ 12 mm (one 21 mm!) Scattered locs.

Quartz v. good, esp just SW of Francisa (both sides of valley) $\rightarrow$ 30 cm
Spinel; black, green or violet octa in calc-schist of NW ca 2500 ^{metres} up

[W of Chiareggio]. Ripidolite, abund. in serpentinites

Artinite, SW of Chiesa. Brugnatellite. S of Chiesa - none recently.

Outer margins of Val M. have gneiss &
mica schists with left minerals; amphibolites with
garn, idocr, epid, drops etc; gr-diorites w aplites & pegs with
beryl & almandine. [qtz, adul, anatase, rutile, brookite, sphene]

VAL MALENCO, Sondrio, Italy (II)

Spec's from dwarf of Francica, & from F Bedogné
(1973)

Perovskite, v.g. ^{big}:- Sasso Moro, above
Francica (dwarf); Campo Moro (F. Bedogné).
[Both etched out from calcite].

Perovskite, small but clear v.g. x1s
- Castellacio, Torre S'ta Maria.

MONTECCHIO MAGGIORE Vicenza (?) Italy

G. Pagani, Notizie Gr. Min. Lomb. (1972) [Mar.] 22.

Basalt, with analcime, natrolite,
chabazite, phillipsite, apophyllite,
gmelinite, celestine.

MONTORFANO, Lombardy, Italy.

Working Quarry (permission)

D₇ II 284 Parisite $(Ce, La)_2 Ca (CO_3)_3 F_2$, in veinlets in
niebeckite-granite.

D₆ App II 76 Anatase, in granite
114 Zircon in granite

Gadolinite • Scheelite, hyalite

Notizie Gr. Min. Lomb (1972) [Mar.] 8. [Roggiani, A.G. (1969). Rend. S.I.
M.P. Milano, 25, fasc 2, 549-552.] Numerous spp in cavis in
the white granite, incl. hyalite (intens. fluor green-yellow
in uv), also Scheelite in PIOVETTA Q'y. with
altered laumontite

RSWB 26/8/73. Across river from Baveno.

Forested isolated mt. w. scattered granite
q's. Climbed v. high. Only found pure
white rough-free granite!

Valle del NEVA, Liguria, Italy

See also LIBIOLA

D₇ II 176 * Sphaerocobaltite

OSA, Rome, Italy

See also ARICCIA

RSWB 73-118 Pres D. Hardman; ex

Ashcroftine with carbonate-
apatite on fine-grained grey
volcanic(?) rock

Letters to DH /72-3 Classic gly now built over.

Phillipsite w. chabazite ^{and w.} gismondine

Emilia
PORETTA nr. Bologna, Italy
[SSW of Bol. ca 50 km] See also FUTA

Miers (1929) Calcite rhombohedra (cleavage type)
occur as a simple form in fissures of a
grey limestone at Poretta nr Bologna.

Letters^{ek} to DH /72-3. Quartz xls, large, "Herkimer"-type

Monte RAMAZZO, nr. Borzoli, Genova, Liguria, Italy.

MA 10 408 ~~Atelloux~~ A. Pelloux: Brochantite, small xls with
malachite, chrysocolla, & diopside in altd
serpentine in the Cu-Pb-Zn mine of Monte Ramazzo.

D6 App I, 5. Aragonite

ROCCAMONFINA

Italy

Letters to DH /72-3. Leucite + augite

SAVONA. Liguria, Italy

See also GENOVA.

Letters to DH / 72-3

FIALLO, Savona.

Hessonite x/s

Val SERIANA

Italy.

TONNE from
Bergamo

[grom?]

D₆ App. I, 12

15

74

Hemimorphite, at gorno,

Cerussite, gorno

Wulfenite, gorno

VESUVIUS, Napoli, Italy

Phillips' "Vesuvius" (1869). Minerals cited include: Magnetite; atacamite - lavas of 1820, 1822 - La Scala nr. Portici; cotunnite - in fissures of lavas of 1817 & later years and 1855. Apatite, in eject blocks & lava on slope of M. Somma nr. Pollena; Periclase, dark green - M. Somma; leucite - lavas & ej. blocks - mostly M. Somma; sodalite -

Somma lavas & eject dolom. blocks;
haugyne - in grey micac. or augitic lava, Somma;
scapolite - meionite in cavs in ej blocks on Somma
& ves. w. green aug. or black h'bl. - mizzonite,
M. Somma. Zeolites - ej blocks & dykes of
M. Somma in cavities - gismondine, analcite,
Thomsonite with aug., leuc., analc. Idocrase -
frequent in ej blocks - Somma; Zircon - ej blocks,
Somma. Olivine plentiful as grains, non-x-line
in blocks, ashes, lava, eg Somma.
Sodalite xls in "piperino" trachyte, from Pianura, N. of Naples -
tough, used for steps, pavements etc.

Maps 4, 5

"ZABON",^(?) Alpi Carniche, Italy
(Carnic Alps?).

Letters to DM 1/72-3 Artinite micro-xls
Nice terminated little xls - RSWB 74-~~114~~
[?? Mt Zebio 45 km N of Vicenza?]