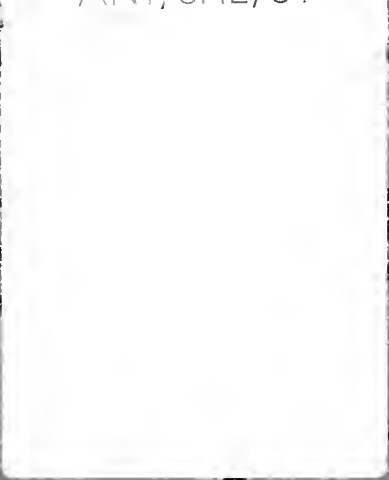


7/11/1973



EXPLANATION

M.M.

MAWSON



0040

①

1973

INDEX

Page

11858

Subject

1) Mc ... granite ... of whole ...
 70% humidity 749.58
 3.45 p.m. 6.8 F

2) 840.22 mbr.

NE end iron ice at edge of moraine (S side of moraine). By first large boulder on edge going towards cliffs.

3) N hill on Mt Mather 1/2 mi SE of Summit

4) Ice N end of Mather near cliffs & moraine

5) long NW spur of menezies 150 m from foot of cliffs at SE end (NW side of)

6) next spur to E Summit at NW end of ridge 150m SE of saddle level in cliff.

Jan

2 3 4 5 6 7 8 ~~YEAR~~

10, 11, 12, 13, 14, 15,

17, (19), 20,

23, 24, 25 ~~was~~ + 1 day

1.2

2.2

3

2.2

13.7.5.

1) Sun 11th

P. Contact sheet, accom - meet in hall?

Ring Art. Dinner

2) Professor + notes

3) House etc.

4) Buy John CTIP | 3400

Philips Ridge

6750 6250

2008 11 *Polio salicatus*

Loose Island

6735 6250

2008 11

(Faint handwritten notes, likely describing specimen collection or characteristics)

... *Polio salicatus* ...

... *Polio salicatus* ...

... *Polio salicatus* ...

... *Polio salicatus* ...

... *Polio salicatus* ...

... *Polio salicatus* ...

... *Polio salicatus* ...

Common
limb



2194

2197

2195

2198

II

Los Tengeo 2/2/73

6735 6200

2193-6 Same as calcite cellinants
green

Los Peck W of Mt Coates 6750 6230

2193-99 Coarse grained white. ~~fine~~ argon
characteristic sand green

2200 Same as above fine grained sand
green

2201 White granitic rock same as
with garnet

2202 Pink ditto (appears to intrude above)

2203 Even grained intermediate
characteristic

2204 Basic characteristic (with trouble)

~~This is~~ slightly disordered to
green but banded and
deformed

Forbesglauer 20/2/73

2178-80 Sand cordierite gneiss
 2187 mafic cordierite gneiss

2188 ~~quartzite~~ hornfels

2189 Sand cordierite gneiss

with cu staining

2191 2190-92 feldspathic gneiss
 quartzite & hornfels

Sand gneiss, but Mr. Carter

may wish to be cordierite

12

6725 6040

W. Campbell Head 19/2/73

2036,7 Leucocratic gneiss

2038 Banded gneiss

2039,40 Grey, fine grained gneiss

2041-3 Mafic gneiss

2044,5 Basic charnockite

2046 Deformed gneiss

Taylor Ridge 6730 6050

2047-50 } Gneiss

2170,1

2172,3 melanocratic biotite (?) gneiss

Falls Bluff 6735 6130

2174 mafic charnockite

2175-7 fine grained acid charnockite

2176

2179

2181

2182

2183

2177

2180

2184

2186

6645E 6745 S
Scullin mobil (in town hall)

2020 Acid chocolate

2021 Dark chocolate

2022 Chocolate with walnuts

2023 Dark chocolate

2024 Chocolate

2025 Very light green

2026 Banded chocolate

2027 Dark chocolate

2028 Dark chocolate with walnuts

2029, 30 Pink leucocystis green

(rare good)

2031-3 Leucocystis green green

2034 Green with walnuts

2035 Dark chocolate with walnuts

13

18/2

Murray Island

6655E 67 455

2008-5 Janet green

2006 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2007 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2008,9 Janet green

6650E 67 455

Janet green Janet green Janet green

2010-2 Janet green

2013 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2014 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2015-8 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2019 ~~Janet green~~ ~~Janet green~~ ~~Janet green~~

2165,6 more mafic inclinations

2167 ? calc silicate pad

14

16/2

Mawson Rock

6735

6255

Smith Bay Area

- 2150, 51 Coarse grained charnockite
2152 more mafic charnockite
2153 Fine grained charnockite

Head of Harbour

- ✓ 2154 Banded inclusion
2155 Coarse grained charnockite

West Arm

- 7
2156-8 ✓ Coarse grained charnockite
✓ 2159 Fine grained, banded
? shear zone or inclusion
2160 mafic inclusion

East Arm

- 2161 Coarse charnockite
2162-4 Fine grained charnockite inclusion

Sundry Samples

1997 - Kaurinite schist from Edwards
Villas

1998, 9 Ironstone from Mt Raker

2000 A Calcareous, metasediment; near
Wentworth locality on Raker

15

Pewee Mtk.

6805 6305

1991-2 Coarse grained acid charnockite

Shack Peak

6805 6240

1993-4 even ^{medium} grained charnockite

Mt. Thimble

6805 6225

1995 Had charnockite fine grained

1996 Basic charnockite

Tread Peak

@ 250 6255

1983. ~~Top of quartzite~~ ? calc silicate

1984-5 coarse grained gneiss - biotite - quartzite

Containing inclusions in coarse

grained pyroxenitic coarse gneiss

The inclusions are partly of quartzite

& are strongly tilted

1986 ? calc silicate "pod"

Fulson Mts

6305 6250

1987-1988 Coarse grained
acid. horn-diorite

inclusions of

6325 6750

1989-90 coarse grained acid horn-diorite

16

N. end of David Range

Coarse gravel, porphyritic
Charnockite

1969-71 Charnockite

6235 67 45

Lucas alk

6210

1972 Lenticular gneiss 6750

1973-6 Garnet gneiss

1977 Sillimanite - biotite gneiss

1978 Pseudotachylite

1979 Garnet ? cordierite gneiss

Sap alk

6230 6755

1980A Lenticular garnet gneiss

1981 Lenticular garnet gneiss

(auger gneiss)

1982 mafic band in above (with hypersthene)

6350

6740

W. side of Mt. Henderson 19/3/72

1956-8 ~~Acid sand~~ Acid sand

1959-60 Fine grained garnet gneiss
(? quartz rich)

1961-2 Characteristic garnet field
gneiss (coarse grained, porphyro-
blastic)

Painted Peak

6250

6745

1963-4 Sand gneiss

1965 Coarse grained garnet gneiss
(characteristic)

1966-7 Calc silicate

1968 Xenocryst garnet gneiss

17

Mount Pyramid 7/2/73

7020-6510

1776-22 Garnet biotite gneiss

at Michael

70206515

1783-6 Basic charnockite

1787-92 Acid charnockite

1793-4 Leucocratic gneiss

1795-6 Garnet gneiss

1797 Garnet biotite gneiss (major)

1798 marble

1799 ? serpentine

1800 Amphibole with biotite

1951 ? Diopside rock

1952 Kiefersite gneiss

1953,4 ? Kiefersite gneiss

1955 Biotite gneiss

Direction: 45° ~~ES~~ east (true)

Dip: 80° south (true)

2018 6510

Bond Ridge 6/2/13

No. 11. ~~garnet~~ ~~biotite~~ ~~quartz~~, with
much ~~vertical~~ ~~crystals~~, ~~biotite~~
and ~~quartz~~. The rest
are ~~unidentified~~.

1770 Garnet biotite quartz

1771 Acid garnet biotite quartz

1772 Acid biotite quartz

1773 Garnet biotite quartz

1774 Biotite quartz

1775 Biotite quartz

NW tip of Mc Beckman

7010 - 6450

mostly garnet gneiss - varying from
leucocratic to moderately

biotite. V. microcline - peraluminous

bands etc.

1764, 5. Leucocratic garnet gneiss

1766. Biotite garnet gneiss

1767, 8. More biotite garnet

gneiss

7010 6540

W tip of the Blalper

Gneiss, biotite gneiss - similar to
above - some peraluminous. Some upper
bands probably contain peraluminous.

1769 Biotite garnet gneiss

Northern PCM

5/2/73.

To 25 6555

Northern side of Mt. Gardner

Charnokites massive, but strongly
deformed acid gneiss grades
into dark basic charnokite.

Some v. massive, leucocratic garnet gneiss

1752, 3 Acid gneiss

1754 Leucocratic garnet gneiss

1755-7 Basic charnokite

To 30 6500

SE tip of Cohn Massif

Gneiss, quartz, mica, chlorite, etc.

? leucocratic basic charnokite

acid leucocratic gneiss

1758 G + Granite

1760 Acid gneiss (leucocratic gneiss)

1761-3 Int. to basic charnokite

19

Foster MassN. Trig point

1597	Grey granite	7125
1598	Magic xenolith	6755

S. tip

6730 7135

Steeply dipping sediments (n WNW 45-80°)
including much marble.

1599 Green calcareous sediment

1600 Slaty sediment

1751 White marble

McLeod Massif (E. Ridge: -

Trig point) 2/2/73

7045 6755

Red granite - foliated in part

Biotite appears to be chloritized

1593. Red biotite (? chlorite) granite

Manning Massif : SW Corner

7047 6740

Grey basalt, vesicular in part
(intrusive or extrusive? - possibly
the latter)

? overlie leucocratic quartzofeldspathic
gneiss (some gneiss).

1594 Basalt

1595 Vesicular Basalt

1596 Leucocratic gneiss

Overlain by staurolite schist
 with v. large staurolite (up to 8 cm)
 Dip: 2060° (map); 40°

1587 staurolite schist (3 grains)

1588, 9 Garnet biotite schist (coarse grained)

1590-2 Garnet biotite \pm amphibole schist
 (fine grained)

Barkell Platform - trig. point

72 40686

Grey biotite gneiss + some amphibolite
(4ft). Grey granite ^(pink); white to pink
pink pegmatite (white).

1584 - Sl. jointed grey biotite granite

1585 / Grey biotite gneiss

mt. Stinson W side, just N of

Edwards Pillar 7305 6620

1586 Biotite Amphibolite gneiss

$\frac{1}{2}$ - $\frac{2}{3}$ of way from Edwards Pillar to

S. end of Stinson 6615 7305

Mostly grey biotite schists with
occasionally orientated biotite and ? actinolite
Some garnet - mafic layers rich in garnet
biotite = amphibole ..

(Similar to locality to south)

much v. massive, and, pale green
green with diffuse banding &
numerous planes, tight folds

Thin bottle neck bands in the
contain garnet. Some bands seem
to be rather quartz rich and
may be only weathering

Some greenschists are rich in ? chlorite
and may be calc. silicate

Other massive bands contain

garnet ? sillimanite ± ? cordierite

Garnet, quartz

1564 Basic granulite (much a. phib.?)

1565-70 Basic granulite (sic? pegmatite)

1571,2 Acid garnet bottle green

1573 Leucocratic garnet bottle green

1574,5 Garnet bottle green

1576,7 Garnet ? sill ? cord ?

x 1578-81 ? Chlorite greenschist

x 1582,3 Garnet, quartz, ? chlorite greenschist

at NNW-NW at ~ ~~mod~~ mod steep 1's

The pegmatites contain mostly brotite
and generally pink.

1557-9 Acid brotite gneiss

1560 Granite

1561-2 Amphibolite (? granulate)

1563 Coarse grained amphibole / feldspar
rock with brownish red mineral

The gneiss is partly porphyroblastic

Centre of northern feature on "K" MAUSON ESC Ntz
The Run 2
0013

7235 (805)

... ? 1/2 pyroxene ± amphibole
basic granulates. Some hypersthene
in pegmatites (then, subconcordant
to coarse-cutting). Larger X cutting
peggs contain mostly brotite and
garnet. Pegmatites ^{massive} & leucocratic
gneiss also contains brotite
and garnet.

Other interbanded rocks include
finely banded, acid garnet, brotite gneiss

22

(SE 1/4)

Manson Escarpment ? "K" 1/2/73

Manson Esc N^o R 14/0013
R. 12/0017

~600 yds SSE of Manson Escarpment

on Barkell Platform 72 45 68 25

Migmatite. Grey biotite gneiss +
amphibolite, intruded by abundant
pink pegmatite + thin pink granite
+ quartz (Migmatites are Gradational)

The gneiss: unknown, are
partly - concordant; grey, ~~tan~~

and biotite gneiss varies
from finely banded + well

foliated - to leucocratic +

coarse-grained (migmatite)

Low garnet is present in

some bands. The amphibolite

contains biotite (+ 2 pyroxene)

Dip is ~ 040° (true) / 60°

The pegmatite - foliated pegmatite + granite
make up ~ ^{2/3} of the total rock

The dip is not v. concordant - the
grey gneiss show signs of folding

7330

6455

W tip of Rubin

Early low grade sediments

Some carbonate-rich - grey +
massive. Some slaty limestone
& conglomeratic bands (quartzite,
pebbles, matrix)

Slaty bands are - fine grained
o dark grey

1555 Grey carbonate rich sed

1556 Slaty sediment

Dip 80 (mag) 75°

Rubin

~~7330~~ 6415

NW ~~tip~~ : small 'shale' beds
with ice scoured surface

Carbonate rich, greenish sediments

Dip 205 (true) 80°

Just NE of hump on the side of
integrated. (see photo)

6440-7335

Similar to above locality.

Granite contains inclusions of
 carbonate [marble ~~is~~ brecciated by
 quartz veins] & possibly some
 quartz-rich material. Several
 amphibole also, some chloritic
 material

1553 Banded "granite gneiss"

1554 Poz quartz-rich material, or
 aplitic.

Some of the granite is rather
 migmatitic looking & well
 banded (1553) : also folded

Some is porphyroitic or porphyroblastic
 shows a chloritic vein & common
 in some areas

29/1/73
Mt. Ruker cliffs on NE side

7330 6440
Granite - weakly foliated.

The flow (thin in part) - melanocratic
"granite" is a kind of
~~granite~~ felsic gneiss, partly pegmatitic
material. The two types seem to
be intimately mixed in some
localities, contacts are rather
diffuse & the melanocratic material
is often a ~~thin~~ ^{thin} layer of the same
type. Both types grade
into dark pink varieties in
which the feldspar becomes strongly
coloured.

Dark micaceous ~~zone~~ zones with
quartz veins may be ~~thin~~ ^{thin} streak
quartz / chlorite / epidote veins; streak
xenoliths or joints merely streaked.

altered granite
1399, 1400, 1551 Granite
1552 Folded basic gneiss from massive

24

Photo Cumpston Meissib Run 2

7310

6350

0033

Run of Meissib Run 2

notes

Similar spotted bubble school

and calc schools ~~with~~

~~populations~~ Abundant epidote in schools & veins

1393 Spotted school

1394 Epidote ? actually calc schools

1395 Epidote (blood)

NE top of Mineral

7310

6355

Top S n 950

Most of sample in school

and calc schools & bubble school

and quartz vein

epidote & calcite veins in the

city. Some calcite veins

1396 Bubble school with calc

epidote & calcite

1397 - Epidote school

1398 Calcite & epidote (various)

Mt. Dummit

2310 6350

(Central part; southern most of)
2 conical peaks

Dip 150 (true) 30-70° fairly
light folds common

Mostly grey spotted bubble schist
(large, random vesicles) + calc silicates

Epidote common in some bands

Also a dark green, radiating
fibrous mineral (? actinolite) forms
distinct bands. V. Pale greenish

perovskite crystals with a v.

slender needles of quartz also occur.

138a Bubble schist

1387-90 Calc schist

Dark green, prismatic amphibole,
in random orientation common in
some bands.

1391 Pale green fibrous material +
prismatic amphibole

1392 Rock more moderate, mineral

25

Benders nunataks : SW of two small
nunataks. 25/1/73 6300 7235

Lencocentic ^{migmatites} ~~broite~~ gneiss - strike SW
dip NW ~ 70°. Some boudins
of amphibolite. ~~broite~~ not
well developed in more acid bands,
more lightish rock bands are
more friable. Pegmatites are
quite abundant - broite; a little
canal.

1385 Acid broite gneiss

W side. Road. northern end
of 64 (100)

6625 7300

Reddish, rather massive,
leucite granite. Some X cutting
pegmatite. Some amphibolite.
It deformed in places.
No obvious relationship with
metaseds.

1582, 3. melanocratic leucite granite

Met. Russell - just north of saddle

1300. Stovall's schist (to. KRZ 241)

7350 6555

West Thames 11 East --- Small
 with lake 6635 7300

Pink pegmatite granite with kistite
 veins and a little garnet
 cutting foliate gneiss. + amphibole
 The gneiss dip slightly \approx and
 strike across linear

They often appear quartz rich
 and contain particularly oriented
 actinolite

1377,8 Kistite gneiss

1379 ? Quartz rich gneiss with
 kistite, ? actinolite & black minerals

1380 Granite

1381 ? Calc silicate (sporadic actinolite)

Center of main cliff on SE side 7230 6640

Large, well sorted pebbles
matrix green many pebbles
yellow and abundant ^{fracture} speckled
Some more mafic, light rich,
richly weathering, characteristic
loose material.

Some interbedded calc-silicates.

Foliated basis v common

1374-5 Banded basaltic green

27

S side. about half way up
top of small feature (low white)

7230 6635

Df. 31st mag / 75

Irregularly white green,

and white green - well foliated

in part; also massive and green
with little white. Some

irregular white bands. Pebbly white

red bands contain large sand

fragments. Mottled and

siliceous in some localities

Massive pale pink or white

massive with little.

Some are X cutting; others

concordant

1372 Pink and white green

1373 Sand, siliceous light green

Int. Johns 24/1/73

6630 7230

Cliff 1000 ft - 1000 ft from W. lip

350 log 20

300 log

Rather magnesian grey shale with
quartz, with some cutting of the
quartz (all a greenish mineral)
concentric bands

White shale with some of the
quartzite in some ground with
fine quartzite

Some of the species contain

abundant small *S. bellinanti*

349. All greenish quartzite species

310. Quartzite species

371. Quartzite

Plus some very pale color

Center of block - ~~out~~ on K

Strike low, small, vertical.
 Microcline, bristly green
 massive, poorly foliated granitic
 green, but some bristly red lines
 with sillimanite. Garnet present
 in some localities. Some amphibole
 present in various dykes.
 Numerous pyroxenes, X cutting in
 part, frequently concentric foliated
 outward of gray, even zones
 poorly foliated granite green
 may be a deformed granitic rock

1364 Small sillimanite bristly green

1365 Bristly sillimanite green

1366 Acid bristly green

1367 ? Quartz, red bristly green

1368 Il. foliated granitic green

NW corner of next peak N

2240 6905

Stake toward ...

Compositae, several

fragments, ...

rich; mostly no cherry. Some

amphibole. ...

foliated, acid ...

rather pegmatitic. Some X cutting

pegmatite. Many major & minor

folds (lots are light & ...)

plastic layers)

Garnet very abundant in some
bands.

1367 Garnet light green

Little amphibole or chlorite seen

Dip W at $5-10^\circ$ or NW dip, veins

to S at steeper angles towards
the S

1359, 60 Bright cyan green

1361 Acid pegmatite green

K Cliffs above road 3/3

6805 7245

V. micaceous green. Sealed
large bed coarse porphyritic

located. A little quartz

seen. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

quartz. Some iron stained

1362 Pegmatite

SW corner near top of cliff

6860 7255

Strongly folded metasediments; rather magnesian. Abundant rusty weathering white brittle fragments, but no grains seen.

Mawson Esc Nth

Run 15. 0009.

Brittle sand greenish with calc silicate (chopside green, chopside marble etc) with some sphene. ? rusty bedded.

1353-4 Sand. Brittle greenish

1355-6 (Brittle) chopside green. Hb

1357 Proposite marble greenish

1358 Calc silicate.

NW corner top of cliff

Mawson Esc Nth

TRun 2 0018

Magnesian greenish - brittle rich in iron (partly well foliated and laminated in part) Acid bands at points. Brittle and magnesian in part. X cutting fragments.

VI 30

(11/11)

(23/1773)

6825 7258

SE corner: top of dip Mamm. Station
R15 000.

Med Granite: pegmatite (gradational)

The pegmatites are partly discordant
partly foliated & / or subconcordant.

(table top - concordant)

The granites are v. migmatitic;
massive poorly foliated acid - hard
& rather coarse-grained biotiterich
bands. There is also some amphibole

Dip on S cliff ~ NW 30°

Dip on NW side of feature ~ 270 (mag)

30°

1351 Granite; associated with
pegmatite; some: not foliated in part

1352 Biotite rich - band - ply. etc -

The low temperature bands often
have abundant porphyroblasts of
white epidote. A little garnet
occasional.

2144-5 diopside / plagi

2146 diopside / garnet

2147 amphibolite

I" NE tip (baro-no photo)

Strike 360 (mag) nearly vertical
thoroughly folded

7255 6830

Grey to light greenish amphibolite
mostly plagioclase + calc silicates
(garnet, plagi, diopside)

cut by med. size garnet schists
quartz & calc silicates
abundant xenoliths

2148, 9 (garnet diopside calc-silicate)

Mason Esc Mt

R.16.0026

Top: ...
 cliff

- 2136-7 Sandstone beds green
 2138 Breccia green
 2139 Limestone green
 2140-2 Rusty weathering amphibolite
 2143 Sandstone beds quartzite.

"I" Top ~~of~~ west of tributary
glacier on N. side (low)
 7285 6820

Massive pegmatite 5-10m across

cutting rusty weathering amphibole
 green, grey breccia (similar
 to previous localities), amphibolite
 + some calc. calcification (dripstone?)

plug + gravel)

Top N ~ 30°. 11.50m to N. P. 16
 0.7

Pegs ... white ...

N. Side of the N of Litchfield, glau
(from photo)

6815 7305

Grey massive blocky gneisses with
honeycombed muscovite pegs, some over
ground grey to pink granite. Pegs
have some characteristic garnet
Gneiss ranges from v. leucocratic
white gneiss with a little biotite
to v. biotite rich pelitic types
Garnet is abundant in some bands
particularly the base of the gneiss as
quantities of biotite. Pegs
vary from sub rounded to
E-W. cutting. Separations are
common, boundary of amphibolite
'panels' well known etc.
Some major band perpendicular
agmatite. The biotite rich bands
only are common. Some are boundaries
These appear to be biotite rich rocks,
like with garnet. They are probably
pelitic types. Quartz rich rocks
are fairly common. A few contain
garnet. 1C116

Si (cont)20/1/23
6815

7310

middle of SE side. (phot taken)

Gray brittle grasses, acid grasses
 & amphibole cut by white to
 pink granite. Also thin
 crosscutting basalt dykes

Some P. gabbro seen to the N. would

cut the granite. Sometimes
 the amphibole grade cuts part

2130-2 Granite

2133 Amphibole (w. contact)

2134 Crosscutting basalt

The grasses have many tight

fold faults, & triserial cleat

The basalt is up to a 5
 shaped fold

Strike is \perp to glacier

2135 Gray brittle grasses

Mawson Escarpment G (Harbour headland)

2 km NW SW top 19/1/73
6800 7310

Granite: - grey, even grained

Includes sediments: pebbly schists

with abundant garnet & staurolite

Some ^{upper} quartzite amphibolite

bands. Strike || to cliff.

Thip. near vertical. Intrusive

contacts are sharp; granite is

well defined large xenoliths in

meta-sediment in cliffs are banded

& cut by pegmatite

white granite is cut by a leucocratic

garnetiferous granite - slight flow foliation

Pegmatites contain ^{inclusions} muscovite, biotite

& some garnet

2122 - 6 Granite

2127-8 Garnet staurolite biotite gneiss

2129 Garnet biotite gneiss

Lichens collected from ^{near} Cape Petrel Nest.

2 1/2 v. young dead chucks, 2 older ^{dead} 11 live
(see marked)

The relaxation - massive and
zones appear to be unfolds
the contact is fairly sharp; The and
mass is complexly folded
light structural & unifoliated fold, etc

NW end of Pt. A. ~ 1 1/2 kms S of
Lower mouth (two photos)

massive, and beds, greenish to yellowish
 beds segregations, & some unshaded beds. ~~is~~
 rich beds, similar to above locality,
 Overlie, apparently conformably (photos)
 metased. - quartzite & semi-pelitic
 rocks. The quartzite etc. contain
 beds rich in staurolite. Also
 garnet, biotite & white mica. No
 kyanite seen. A pale brownish
 mineral (Taaphilite?) is present in
 one quartzite sample.

2115-8 Staurolite ± garnet ± quartzite

2119 Quartzite with ? epidote

2120 massive, foliated granite

2121 Is Int. biotite green

Dip ~ 80 deg 15-40° The sediments
 are tightly folded. The massive beds
 generally contain banded lenses
 as well as X cutting dykes (also
 cut sed.)

34

Coarse grained basic dyke: apparently
concordant but contacts not seen
2104, 5, 6, 7, 8 (9) (order of collection)
2105 is granophyre

7340 6820

SE end of cliffs on W side (bas)

Acid biotite gneiss with interleaved
amphibolite & cutting amphibolite

Dip ^{260 m/s} ~~35~~ 35°

2110 Leucocratic granite gneiss

2111, 2 Acid biotite gneiss

2113 Gnl. biotite gneiss

2114 Finely banded grey acid gneiss

Some X cutting pegs with small qty,
pink fold & altered biotite etc.

concordant pegmatitic bands

The narrow ^{partly} ~~band~~ gneiss grades
upwards into grey more impure biotite
gneiss

with the impure carbonate rocks
in a bed of ^{assemblage} ~~actinolite~~ ^{perovskite}
by a zone of ^{metals carb/amphibole/trace} ~~actinolite~~ ^{up to} ~~schist~~

~~rock~~ rock.

6835

7340

1942

1942

Ac 1939-1946

1939 Actinolite

1940 epidote rich rock

1941 Carb/amphibole/trace/rock

1942 Contact with schist

1943 metabasite

~~Impure~~ Impure bed with ^{actinolite}

? pyroxide

1945, 6, 7 Impure bed with perovskite

in talc schist (?) in one case, pyroxide

1948) 9, 50 Semi pelitic schist

2101 Epidote schist ^{Perovskite}

2102 ? Carbonate rich schist & little carb

2103 Staurolite schist

Newson Escarpment (H). Centre of
Santharua platform 17/1/73 (barophite)

Metasediments: Large mass of
 white impure marble with abundant
 ? wollastonite. Quartz ~~is~~^{was} surrounded
 by ? well.

Marbles strongly deformed, well
 trending to occur in distinct bands
 to some extent. Numerous rusty
 weathering impure carbonate rocks with
 abundant patches of ? actinolite or
 other amphibole (spies)

Dip 25° may vertical

In 34° dip 55°

Also quartzite bands (partly greenish)
 and some pelitic schists. Some
 bands are rich in garnet

elements to strongly deformed - pelitic
 streaked out. Some of the
 lower pelitic schists contain actinolite - greenish

Highly ...

Base of Cliffs 3km S of glacier

6680 7335
Mostly massive granite gran but
with some well developed sedimentary intercalations
(concordant) (?? sillimanite $\frac{2}{3}$, some garnet)

1935 massive white gneiss

1936 Finely banded white gneiss

1937,8 Calc silicate.

✓ = analyzed (spec at one)
rest at Bysherok

36

W side $\frac{1}{2}$ km S of Glacier 6640
7335

Sheared granite with amphibolite
bands & dykes. The latter are
partly deformed, the sheared ones
containing abundant krotite.

Some pelitic & quartzitic bands
& xenoliths. (Large blocks, up to several
hundred metres in length)

Dip NE $\sim 15^\circ$

- ✓ 1929 massive amphibolite
- 1930 Sheared amphibolite
- 1931 Porphyritic, undeformed kaseo
- 1932 Calc silicate band

6635 7340

Base of cliffs, 4 km N of SW tip.

massive granite green with Xcutting
amphibolite & some pegmatites 10-50 cm in
width

- ✓ 1933, 4 Foliated granite green, krotite,

Crookston massif 15/1/73

6635 7340

SW tip

Dip 105 nos / 10

massive foliated light granite with
cross cutting basins. The granite
varies from st. foliated & massive
to strongly foliated. The ~~the~~
deformation seems to be most
intense near the basins. The latter
cross-cuts in a complex manner,
dividing the granite into roughly
ellipsoidal masses.

The basins are usually strongly
deformed and the contacts with
the granite indicate difference. The
two types are interbanded for a short
distance. The more foliated basins
are rich in biotite (+? diopside).

The other are more massive amphibolite

✓ 1926 Granite gneiss

✓ 1927 Amphibolite

1928 Sheared amphibolite.

A little garnet is present locally

The relationship between the acritarchs, & the obviously related material is not entirely clear, but they appear to be interbanded. In one locality acritarchs overlie sigmoidally bedded; in another locality the reverse appears to be true. Pectinites are similar in both types. At this locality X cutting pebbles are relatively small but still fairly numerous. Hornblende is common even in the more acid band, usually as aggregates.

1 way down to cliff

6740 7415

magmatic gneisses - strongly
folded (photos)

Amphibole bands are banded
& generally broken up. Isolated
fold nose, nodules, etc.

There may be 2 types of amphibole;
1 appears to be (?) st. discoidal,
generally more massive and of a
slightly different ~~color~~ color. It
is folded, however. The acid
gneisses contain mica streaks
& bands of amphibole + biotite
rich material. It is combined

massive & ~~is~~ almost
unfoliated, whereas elsewhere it is
significantly foliated, gray & white
biotite green. Sillimanite occurs
in the bands & some sand.

1922 Amphibole (?) st. discoidal

1923 Amphibole (intermediate) (with diopside?)

1924 massive acid band

1925 Acid biotite gneiss

1917-18 1st 2d 3d

And both grasses

Up (60 in) / 15"

X cutting, pass with more, but

1st 2d 3d

Grey, fairly acid, well foliated
tender grass; acid leucocroton,

craver grass both grasses

and perennating grasses (inconstant)

Some amphiblasts (in foliated)

The grasses are monogametic

with some amphiblasts perennating, folded

> banding bases and rather

diffuse banding

1917-18 Perennating grass

1919 Perennating grass

1920 Perennating grass

1921 Amphiblasts

Many spec. (- 1/2 ca. - 1/2 ca) and the
 bottom abundant. In some (other
 species) 2 - 3 small islands.
 Besides no small islands in the

large
 The general life at the bottom
 is more like a small island
 than a large one. It is
 small scale (1/2 ca. - 1/2 ca)
 (small)

- 1910) Blue water green
- 1912, 13 more blue water green
- 1914 more blue water green
- 1915 more blue water green
- 1916 more blue water green, small
 & green several (1/2 ca.)

SE corner of Western Thiggs

metamorphic gneisses: dark grey
 but more gneisses largely
 cut by numerous pegmatite veins

The host gneiss contains abundant
 sillimantite in certain bands, in the
 up to several cm in length, but
 mostly, around 5-10mm.

Spinel is present in certain
 bands, particularly the quartz
 veins. Amphiboles are also
 present & tend to be biotitized
 some contain garnet.

A green mineral (? diopside) occurs
 occasionally, mainly adjacent to
 pegmatite veins in amphibolitic rocks

There are at least 2 generations
 of pegmatites: large (several meters)
 & numerous
 X cutting pegs are mainly feldspar
 but with some corundum

Mt. Tully. W part. High alt. parts
of Southern Crd. 10/1/73

Top 200 (mag) / 15-20° (possible)
Inclination 180° (mag) / 15°

Foliated, coarse grained hornblende
~~schist~~ (garnet) - megacrysts

Some quartz rich & acid layers.

Pegmatites fairly numerous, more

& common, ~~some~~ biotite fairly common;

Some tourmaline. No. Al silicates

noted (Qtz very not uncommon)

~~1.5-2.0% magnetite~~

The main layers are often highly
rich in quartz. ~~Some~~ bands
of impure quartzite

Middle of NW side

65057355

air photo

Tencroate, white area granodiorite
granite intruding granite, biotite? all
schist

1901 Garnet granite

1906 Kibotoe garnet granite (with sillimanite)

1907, 8 Garnet, biotite, ? all schist

1909 Amphibolite

The amphibolite contains some garnet
and the foliation is roughly
comparable with that in the garnet
schists. It is cut by acid veins
and the granite is locally foliated
and schistose. Biotite also
replaces garnet to some extent.

In some places the amphibolite is
cut by numerous granitic veins &
resembles a granite.

Mt. Newber - central summit (low)
air photo

Basalt gasill cord groups 6510 2355

V. macera. with leucocratic quartzite
feldspathic bands, ~~and~~ bands of
cord groups and amphibolite (with
small leucite).

Thp 295 (mag) ~~50~~ 50 20

220 (mag) at further SE.

Basaltic pegs present, but not v.
abundant here. leucocratic band

~~quartzite~~ also contains ^{leucite} quartz

Cross-cutting dykes at undisturbed
location slightly dipping (N 75° W)

massive - light - plagioclase - quartz

leucite. Small leucite dykes
also present.

1748. X cutting mass dykes

1749-50, 1901. ? Cord gasill groups

1902, 3 Leucocratic: cord groups

1900 Amphibolite band

top of W NE Blake (base)
 (surface of "base")

PHOTO

Dip 200 (mag) / 15-20°

lin 250 (mag) ~ 10°

Banded pebbles, some pebbles
 pebbles

1743 Koble schist

1744 Garn? schist

1745 Actinolite schist with st/lin/pebbles

1746 Amphibole with st/lin/pebbles

1747 Garn? schist

found randomly scattered schist
in the amphibolite. Biotite and
hornblende in the schist, a much greater
in some of these. In some, rather
fine-grained quartzites, also common.
Some light grey biotite schist with
little garnet. Foliation in schist
rather gentle, although some
monoclinical flexures (see) noted

1734 marble

1735 Adirondite / biotite schist

1736 Biotite garnet schist

1737 Adirondite / biotite garnet schist

1738 Adirondite biotite schist

1739, 40 Biotite mica schist

1741 Biot mica garnet schist

1742 Garnet rich rock.

Western Klake Nunatak 13/1/73

Cliffs on NW side (middle of cliffs)
(baro reading) photo

Trp 210 (mag) / 15° 6640 9405

Banded quartzites, some pelitic schists
(gneiss, mica), amphibolites: marble.

The marble is strongly deformed
(right 1885) & the adjacent
amphibolite (actinolite schist) is more
fractured, with gty vein below
blocks (chlorite or gty veins)

The marble is probably unrecrystallized

Cross bedding indicates sediments
are right way up. Slaty inclines
are present at some horizons.
Near eastern tip conglomerate
very similar to that at the
westward. No slate is present,
no or more slaty rocks. The
cleavage in a field runs out
across the boundary, although the
boundary? cleavage are usually more or
less parallel.

retrogression of . The pegmatites are
 often deformed & banded by the
 foliation. They often contain
 fractured tourmalines. Amphibole ~~is~~ ^{present}
 General dip SW. (200 true - 60°)
 1731

Three deformed rocks contain
 large ~~massive~~ porphyroblasts of
 feldspar & chlorite alteration products.

1732 - Ruben

NE tip 6550 7325

fine grained quartzite & some pelitic
 rocks Dip 220 (true) / 50

1732 Quartzite

1733 Calcarenous sediment

These 2 spels are from near the
 SW of the cliffs on the SE
 side. The rocks here are
 massive, generally evenly dipping
 quartzites with some Rubens

Mt. Bird central peak (Summit) (bars)

12/1/73

Dip 235° (Trend) $\sim 25^{\circ}$

Many pegmatites (coarse), with tourmaline and biotite. Biotite rock bands are veined by pegmatite and quartz veins. There are some secondary bands, including ^{large} quartzite and abundant amphibole. Some of the latter is chlorite, but most is massive and very coarse-grained. It is relatively rich in plagi locally. Toward the south, pegmatites become more abundant and the rocks appear similar to those in Kayak Ridge.

NE fac. area; NW corner of, near glacier
(bars photo)

Pelitic schists & gneisses, strongly yellow and often banded, with numerous fine pegmatites (tourmaline, biotite, muscovite) & quartz veins. Many of the rocks appear to be

- 1722 Light grey granite 6445 7335
 1723 Sl. pinkish granite
-
- 1724 Pink & grey mottled granite
 1725 Epidotized granite (with qtz veins)
 granite appears to be epidotized & carbonated
 & brecciated by qtz veins) ~~with~~
 1726 V. leucocratic white granite
 1727 Dolerite dyke (X-cutting)
 1728 Altered granite in calcareous

Further along cliffs ^{to C} 6455-7335
 interbedded
 granitic rocks, intruded by X-cutting
 basic dykes. The orange & grey
 gneissic types occur here, as does the
 leucocratic type.

- 1730 Granite
 1731 Leucocratic granite

mt. Puker

6425 73 35

photo for

Just W of large valley of stream & road
across from N. side

Banded limestone, strike towards

Schist dip SW at $\sim 45-60^\circ$

Folded; ~~with~~ with upper structures, & numerous

minerals, & light fossils

1714-20 Banded limestone

1721 Gray? siliceous, material interbedded
with the limestones

1729 Schist with carbonate rhombs

Cherty on N side of the spine, probably of

1728: 1 layer

Granite is used, even exposed in the
granite. It is foliated & sheared locally,
but mostly undeformed. Mostly grey
or nearly white, but extensive alteration
to greenish-grey & giving rise to
pinkish ~~red~~ & greenish varishes.

A few thin veins of light pegmatite

Cliffs on NW side, about Sta (?) SW of
above point (bars) G320 7355

Migmatites. Much pegmatitic material:
 tourmaline, occasional garnet; rare? beryl,
 biotite, greenish muscovite - ~~quartz~~
 Pegmatites grade into v. coarse green,
 shaly, foliated gneiss (deformed peg)
 Some ~~intermediate~~ banded gneiss;
 many of biotite schist.

Much amphibolite present, but relationships
 obscure.

- 1705-7 magic, biotite-rich material
 1708 Cl. foliated pegmatitic gneiss
 1709 ~~1709~~ Banded gneiss
 1710 Biotite gneiss
 1711-3 Anthophyllite, actinolite rocks etc.

Dip is roughly // to that in
 the schist, but may vary (difficult
 to see)

Keyser Ridge

11/1/73

6325 7355

NE end 300m SW of NE Summit (Aro)

Mostly metaseds, striking towards central
Bayliss and vertical

Fine grained, dark grey mica schists, some
amphibolite, quartzite, some pelitic rocks
and gneissous ?? lenses.

Much of the remainder of the moraine
covered surface consists of ^{white} acid,
leucocratic biotite gneiss with
numerous pegmatites & pegmatite
segregations.

1547, 8. Grey mica schists

1549 Gneissous ?? lenses

1550 Rusty quartzite

1701 Foliated amphibolite

1702 Unfoliated amphibolite (? dyke)

1703 White leucocratic biotite gneiss

1704 ? Amphibolite rock (from moraine)

mt McCauley SW end, NW side 7310

Grey biotite gneisses - fairly well foliated (similar in general compⁿ to those on E. Bayless). Many pegmatites (peggs cut granitic veins). Effect of granites on country rocks is small - (i.e. post ~~the~~ immediately post kinematic) - no obvious retrogression, contact effects or metamorphic effects.

These grey biotite gneisses pass ^{upwards} into relaxed (ill garnet schists etc) without any obvious discontinuity. The biotite gneisses contain ? pelitic bands with greenish mica (but no sillimanite noted).

1546 Amphibolite band

Mt. Bayless: E. end.

6310
7325

Angen gneiss (gray, bestite gneiss)
dipping 90° ~~W~~ (mag) ~ 10-15°

(along Bayless - strike)

Sediments over this - ~~is~~ ^{strike} appears

to be similar. Much amphibolite on

top of E. end of Bayless on cliffs

on N side of mt. Gneisses

cut by a fresh-looking basic

dyke. Also X cutting (slightly

disorient) amphibolite - sheared

Gneisses near dyke are reddened

(oxidation of Fe in feldspars?)

Some pegmatite not abundant

1541-2 Gray breccia or gneiss

1543 Red "

1544 Sheared amphibolite

1545 Mafic dyke

W. spur. highest point (dome)

6205
7325
mostly quartzite & some gneiss
& biotite (biotite schist), with
amphibolite.

The quartzites contain some biotite,
but no kyanite was noted. Some
are fairly coarse (qnts) with grains
up to 2 or 3 mm in diameter.

1536 Biotite schist. (interbanded
with quartzites).

1537, 8 Quartzite, with dark lenses.

1539 Quartzite

1540 Amphibolite

NE tip: Mt Menges

10/1/73 6210

7325

Central promontory: E. tip: (bar)

Contacted: folded biotite / garnet schists

Patchy relictation with development of
randomly orientated actinolite xls

Some massive quartzite with random
actinolite > garnet

1532 Actinolite garnet quartzite

1533 Partly relict biotite schist

(semi pelitic) with material similar
to 1532

1534 Garnet biotite muscovite schist

with brownish mineral. (from boulder
in moraine)

1535 Garnet muscovite schist

~~Schist~~

Lineation $010^{\circ}(N) / 25$

Complexly folded quartz veins are common

48

The metaseds are highly folded,
the axes of at least some of
the folds appear to be \parallel to the
measured lineation.

6130 7325

Next spur to NE NW end of ridge (NW)
(fac. at 200m SE of present feature)

Muscovite, biotite garnet schists.
Biotite appears to replace garnet
much minor folding cleavage
appears to be oblique to compositional
banding. dip 30M / 20°
lineation ditto

Some actinolite present locally
1525, 6, 7 Garnet biotite musc schist



> fol 30M/20

Some only calcite bands associated with
calc silicates 1528-31. Actinolite + epidote
are associated with these bands
Dip becomes steep (~70°) in places

Mt. Menzies 8/1/73 6115 7325

Extreme NW top : SE end of cliffs
(bars) 150m to NE

Quartzites = semi pelitic schists
(some garnet, much biotite & white mica)

Strong lineation $\sim 70^\circ M$ at 40°

General dip $30^\circ/30^\circ(N)$ $60^\circ M/40$ $50^\circ N/30$
but beds are tightly folded

1519 Quartzite

1520, 21 mica schist

1522 Quartzite with garnet and
biotite

1523 Micaschist with black mineral

1524 Green ? in staining

Elongated X's of biotite fragments
resembling primary mineral are randomly
oriented with the foliation plane, - sometimes
cross the lineation, although in other
cases they show a preferred orientation

? chlorite schists with ? biotite, garnet,
actinolite and a greenish ~~stone~~
~~matrix~~ (matrix)

Numerous inclusions of quartz and
various rock types (mainly schist are
present)

1516 Biotite²/chlorite schist

1517 Similar material with garnet

~~1518~~

1518 Garnet ? biotite schist

On other side of ridge: migmatites cut
by amphibole dykes.

Another separated from the sediments by
a thrust zone? The strike &
dip are roughly || to that in the
quartzites.

50

Mt. Mather 7/1/73

N Hill (Baro) 6055 7330

Quartzite with thin layers
red in kyanite + a brown mineral

Dip 300° true (15°)

Location 358 10 (true)

Some bands of amphibolite appear
to be concordant

Kyanite does not appear to be
^(check spec) oriented in this location in a
massive ore

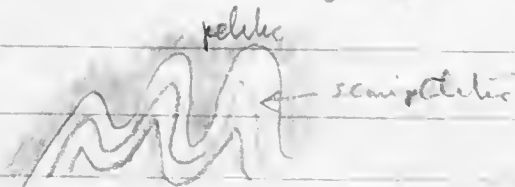
1512-5 Kyanite quartzite:

~~1512-5~~

Chf. near N end in NW side (Baro)

Highly folded and contorted schists
1/2' and local folds

6055 7330



Pelitic schists with mineral

in bands of quartzite

in part, although folded with the
country rocks.

W plateau near summit: — 6310 7310

1337 Biotite muscovite granite

1338 Impure quartzite

1339 " "

1340 Mesocratic: garnetiferous granite

1341 muscovite, garnet gneiss

1342 - 8 Various biotite, sillimanite, garnet,
etc. gneiss (metaseds)

1349-50 Amphibolite

1501 Garnet amphibolite

1502 Calc-silicate (epidote/qtz / ? garnet)

1508, 9, 10, 11 Garnet / biotite, etc gneiss

NE top — 6320 7305

1503 Epidote / actinolite g. rock

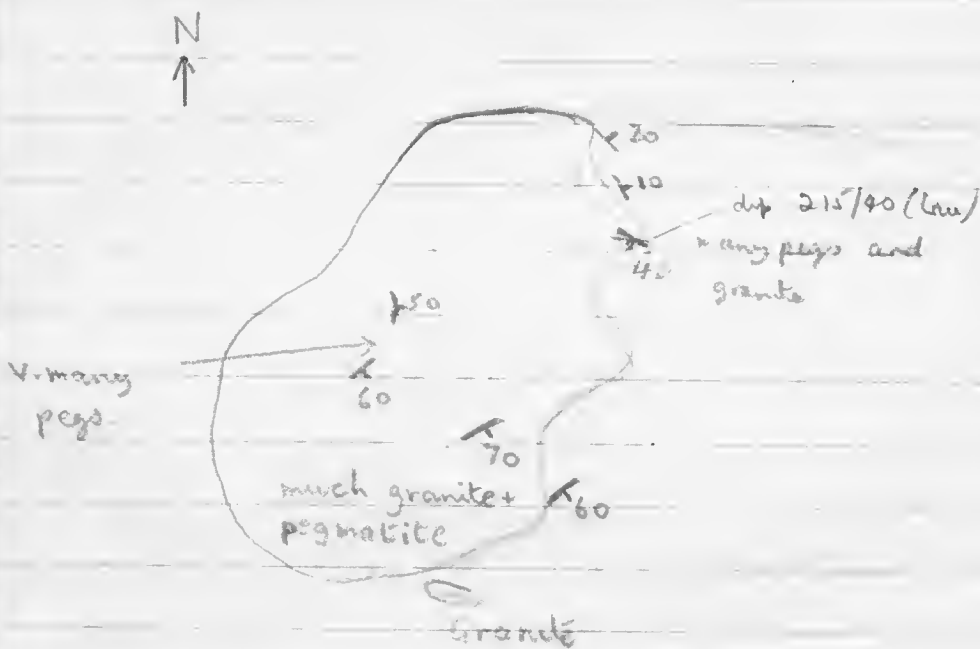
1504, 5 Calc-silicate

1506 Coarse grained feld./qtz / biotite / green mineral

1507 Amphibolite

Mt McCauley 6/1/73

to platform, near Summit.



mostly dark grey or brownish melasids;
steeply dipping. Some ~~melasids~~ calc
silicates (epidote / actinolite etc)
In some spots sillimanite appears
to replace kyanite. Some amphiboles
~~may~~ may be present. (No
intentional mineralogical analysis)

Dalton Hills

6855 7230

Top 220 ft 30'

Lower calcareous pink to orange. Includes
P. ... X ...

1333 Pink to light green

1334 " " "

1335 More basic greenish with blende

Stratification with ...
... (50) ...

52

Clemence Massif (N tip)

6845 7205

- 1328 *Leucosolenia* garnet gneiss
1329 Well foliated garnet biotite gneiss
1330 Well foliated biotite gneiss
1331 " " " garnet gneiss
1332 Acid biotite gneiss (migmatite)

Gneiss largely garnetiferous; some pink
and bands; fairly abundant pegs
of towards Shaw Massif @ ~ 45°

- 1336 ? Prograde anthophyllite (float)

Clemence Massif

N. Peak.

6845 - 7210

Biotite greenschists dipping at $\sim 45-90^\circ$
to 330(M) no folds obvious.

Many pink & cutting pegmatites, with
a black matrix (magnetite ~~pyrite~~?) &
biotite, but muscovite not noted.

Grains range from fairly light rich
dark in color to pinkish leucocratic
green. Amphibole present in some
of the more mafic bands.

~~1323. Pink pegmatite with black matrix~~

1324. Biotite green

1325. " "

1326. Biotite rich green

1327. Pink, massive leucocratic green
(sheared granite?)

53

6625

7230

Mt. Johns W. end 5/1/73

1320 Well foliated middle gneiss

1321

(+ ? amphibole) Dip 29-41 45°

1322 Leucocratic, pale colored
granite.

S. end

65 45 7305

- 1313 Amphibolite (in cutting from air)
1314 Granite
1315 Staurolite schist (moraine)

Mt Seddon N. part (ridge)

64 50 7305

- 1316, 7 ~~Amphibolite~~ Greenschist
Cubic X₂ matrix with (also not seen in
the sample) vertical foliation 350° or
(strike) - orientation changes at a 90° to
W (true)

1318 Qtz, carbonate, chlorite, etc.

Qtz / calc very common

See matrix of moraine (acid, quartz, etc)

1319 Greenschist

54

Reynell

4/1/73

Central area

7300

6550

Much quartzite & greenish mica schist

Some amphibolite bands

Dip is steep (locally vertical) with
general strike is ~ 165 (M) orientation ~ 40°
to W (true)

1304, 5. Amphibolite - 1st S of ice saddle, E
side of Reynell 1305 is schistose (mica X₂)

1306 Green, quartzitic schist

1307 Amphibolite with plagioclase mineral

1308 Green schist

1309 Lenticled quartzite

1310 Amphibolite

1311 Basaltic schist

1312 Quartzite green

The quartzite is strongly lenticled

and has numerous minor folds

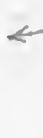
in the Δ 'trap'

A very well developed plate



Some vertical folding is showing

pink massive gn



? massive

210 (low angle)

Some detach layers, many fragments

30 yellow massive pink bed gn

35

hard amphibole at base of cliff

well bedded gn, becomes more massive to W

220 (folded and vertical)

well bedded gneiss

Slowly massive

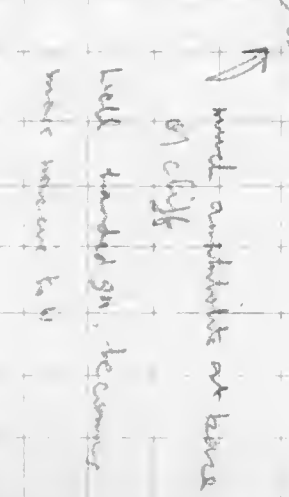
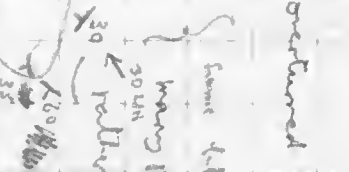
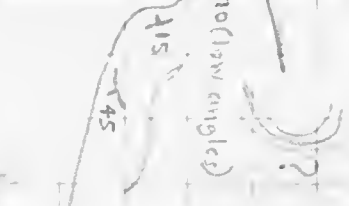
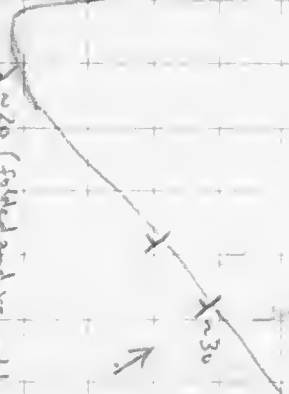
? steep

80

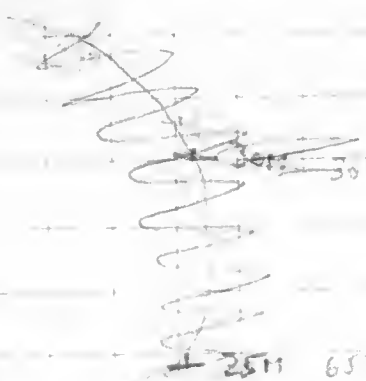
70

80

70



45
+ 20
+ 30M 30°
+ 25M 15°



Basic bands, ~~discontinuously~~ vertically, are
bedded or broken up - intruded by
numerous pegmatites.
The massive pink gneiss has a well-
developed vertical jointing in places

56

High point

dip 30 M. 30°

66 45 72 00

1144 Leucocratic part - light green

1145 Darker, well banded garnetiferous green

1146 Siliceous, light green

1147 Epidote, chlorite etc

1148 Leucocratic mass

1149 Grey light green

~~114~~ 1305 Leucocratic garnet green

1301

1302, 3 Amphibolite

Steep fold in part. Much massive
pink, leucocratic gneiss; some amphibolite;
grey light green (well banded),
garnetiferous in part, leucocratic
garnet gneiss; minor siliceous-
containing bands; dropside contains
rocks. Gneisses ~~are~~ are structurally
complex with numerous minor folds

1140 Amphibolite

1141-3 Red joint breccia gneiss.

Gneisses are migmatitic - small
fragments; banding at times diffuse;
isolated feld masses etc. Biotite
rich bands very fine. Garnet form
at X Co 2-5 mm across mostly and is
not generally very abundant
In places if in strongly developed
The breccia rich bands are much
weathering

————— ~~Stenon~~ ~~unimimim~~

57

Shaw Massif

3/1/73

S. tip

6655

7205

1137-8 Pink acid biotite gneiss

1139 - more biotite rich band

Pink, massive but well-banded -
acid biotite gneiss. Dip generally
to SW \approx or S, but variable numerous
minor folds; axes plunge roughly SW
here. Rare garnet.

Some pegmatites (with biotite)

E side

6705 7200

Pink, banded biotite gneiss
with garnet. Biotite rich band
common. Some basic bands contain
amphibole. Minor folds (amplitude
 \sim 10-50 cm) plunge SW. (210 N. 20°
dip has same value here)

Some biotite pegmatites = pyroxene

D

61 10 73 00

- 1131 Semi pale green, massive, finely foliated
- 1132 Same, but with epithermal bands
- 1133 Epidote / chlorite in 1 layer
of Actinolite, repeatedly oriented
concentric with folia (bedding) planes
elsewhere completely random

X cutting, epithermal part, ~ 5 cm
wide. Same parameters
Dip 280 (true) ~ 25°

I

61 00 72 55

- 1134, 5. ? Chlorite and quartzite
5 cont. a little garnet.
- 1136 Quartzite
much garnet, quartzite base

C

61 20

73 00

1126-8 Biotite ? chlorite schist
Rather massive - semi ~~is~~ pelitic

Some psammite with well developed
current bedding.

Semipelitic have a new fold developing
at a large angle to the bedding

(see samples) but orientation not
evident. ^(? chlorite) Bedding dips 100° (true)

at steep to mod. angle $70-30^\circ$

Podar lenses of coarse grained

marble evident in semi pelitic rocks

(1129-30); epidote extremely
developed adjacent to these
pods; as well as in qtz veins

B

Eastern Peak (31)

6130

7305

1123,4 similar to previous spels
But schist, rather massive and
leucocratic - weakly bedded and
foliated. Much epidote in veins
and veins, also veins of ?
actinolite (1125) (presumably)
Dip 29° (true) 20° - 30°

Western Peak (32)

6125

7305

Similar rock to above

Good current bedding

Some quartz veins - foliated

Dip rather steep - near vertical
to -29° (true)

59

Goodspeed 11 lbs.

2/1/73

"A"

6140

7305

Platform on E side.

1119 Meta conglomerate

1120 " "

Dip ~ 270 M / 15°

Grey metaconglomerate — mostly pebbles
 of white & grey quartzite; a few greenish
 ones. 2 cm to ~ 10-15 cm. somewhat
 flattened & elongated in places,
 siliceous matrix, strongly foliated.

Flora Summit.

Overlying congl. dipping ~ 20°-25°

mostly massive but schist

1121, 2 Spotted (but schist) — massive &

prob qtz rich (?) orientation 320 M / 20°

dip 290 M / 20°

6/55

73.10.

2/1/73

1115 . Benches . more . sheet

1116 . Ky st bi sheet . + last sheet

1117 . Ky st first sheet

1118 . ditto

Pop at low angle . towards SW (true)

11 - 1 . last more sheets . little hands

very rich in staurolite and kyanite.

S 540-42

60

E end.

At Crosswell

1/1/73

6420 E 7245 S

- 1101 1101 300m 1101
in direction of 1102 ch: N12L (rare garnet)
(along strike)
- 1102 ditto acid basal gneiss; well
foliated, no garnet (John near vertical)
- 1103, ~~4~~ Garnet amphibolite about 50m on
- 1104 ditto
- 1105 finer grained amphibolite; no garnet
About 500m from hut.
- 1106 Si ga bi schist } feature at start of
1107-9 Bit ga 151 gneiss } descent ~ 700m from
hut
- 1110 Amphibolite ~200m down from
- 1111 Bi musc ~~schist~~ gneiss
- 1112 Sa bi gneiss (acid) - it passes 200m
- 1113 Biotite rich, garnetiferous gneiss 800m
- 1114 Green quartzite

1101-1150

1301-1350

1501-1550

1101-1150

1101-1150

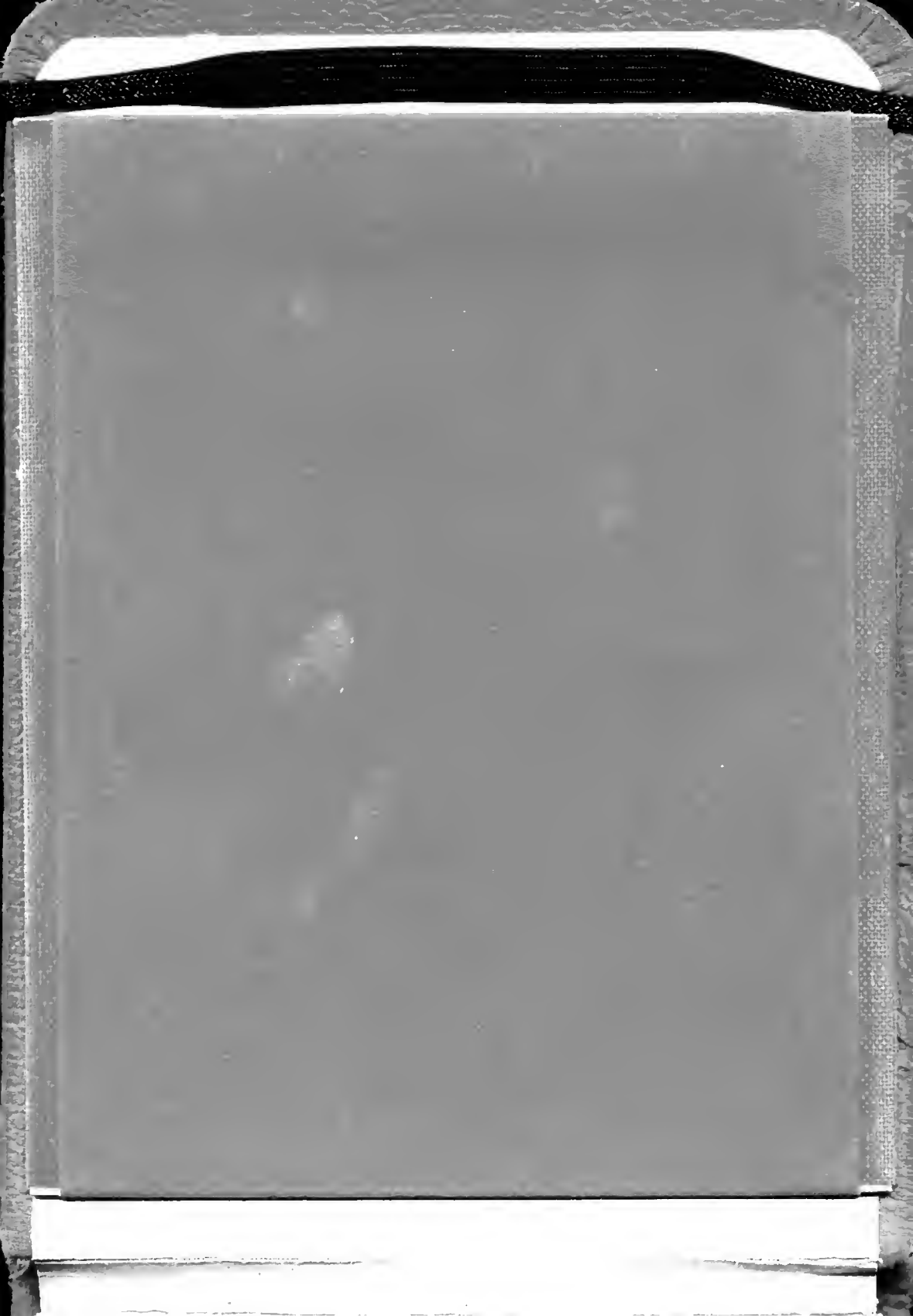
~~1101-1150~~

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1101-1150



ANT/SHE/01

