[redacted]

1961

COSMOS

D. TRAIL
BUREAU OF MINERAL
RESOURCES,
CANBERRA.

MAWSON,

N. B. 111

Begins 24 July, 1961.
Ends
Pt. 1

24 July, 1961 DIARY

Rose 0700 to a clear sky & calm, T - 9°F. Slow breakfast. Podoc McNaughton & Kleyer left to find Rooker at 1200. Sullivan & self left with Smith's team at 1230 first to wind at 2 m. N of Sugar & further to 2 island well shack on No. 43 vertical post at 1530. Turned rear of sled due 3 mile to blow westward the Mandell to Safety Island camp well dark. Lit house flare for Podoc's party but no result. Podoc's party returned about 1900 bright moon & almost full but obscured by cloud. A T low -14.5°F at 1800 but rising to 0°F with cloud cover.

[illegible] Gulp — "[illegible]"

[illegible] [illegible] well

[illegible] 0900, 20 kept

[illegible] nothing but [illegible]

& moment left so back

to sack for 1100. Up again

& out for 15 minutes, very

cold, [illegible] — 11°

[illegible] w. [illegible] diff.

than last sack for 1st of

day [illegible] [illegible], &

sleep at 2000

5 July, 1961. Wednesday.

Safety Island is composed of uniform & mainly massive feldspar-garnet-biotite granulite effectively a normal granite with granitic texture, & garnet as 5%, 10% & locally 20% of the rock. A vague foliation is provided by stringers of garnet with str. 20° M, vertical, ∥ to the elongation of the island. Veins & lenses of blue-grey & feldspar-garnet-biotite pegmatite, ~~veins~~ mainly strike ast 20° M. The garnet a.w. pegmatite is light red & may be different composition from granite-garnet, former mod. M. [illegible]. The garnet-granite is a light reddish brown rock, red. gr., massive, uniform with more or less equigranular feldspar, garnet & biotite. SAMPLE 2

The pegmatite is c.g., bluish, massive 11399 SAMPLE 1 11372 3 & 4th.

804 3 V

Thursday 20th July, 1911

VICTORIA I.

Named vein at Knots North of Lake I. A med grained massive yellow brown characteristic granite with no garnet. Feldspars are rose red. Matrix of feldspar, quartz & dark mica. The rock is crowded with inclusions of biotite gneiss & quartz biotite gneiss & locally the rock is almost a tonalite. Had a little pre-lit granite gneiss is found.

layers of unfoliated granite (G1) alternate with similar layers of foliated biotite-quartz rock. The gneiss str. 75°, dips 50° N.

Pegmatite is rare on this island.

---

DIARY

2 Jul July

0700 Up for radio schedule, bitter N gale, 50 deg land weather. Pelagic pass, 30 km, mod sea, light outside, but again to 1100 T -20°F. Pressure, wind falling to 1000 at 9 knots. In afternoon 1400-1600 T [illegible] and 4 deg of 170°. Running [illegible] at 2010 [illegible] [illegible] [illegible] [illegible] 2.5°C

Rock cut into chips of equal
size by [illegible] and
[illegible] on the
[illegible] plate [illegible]
[illegible]

[illegible] 2 [illegible]

WYIGPA SKERRIES

[illegible] small island to west
[illegible] to north-
west. There are [illegible] of
[illegible] yellow-brown
garnet bearing quartz.
[illegible]
big [illegible] [illegible] the
[illegible] mica mainly but
[illegible]
[illegible] A foliator
[illegible] present in
the biotite-garnet quartzite
but [illegible] [illegible]
is subhorizontal on W. [illegible]
small island.

R11400

Sta. [illegible]

DIARY — Fri 28 th Aug ∞

[illegible] beside [illegible] At
[illegible] left [illegible] used
[illegible] left.
[illegible] made a most
[illegible] walked
[illegible] noted
T. still below 30°F
[illegible] away in
[illegible] small
[illegible]
[illegible]
[illegible] 1700
[illegible] bugs + ants
[illegible]

[illegible] sun down but orange
half green. Not [illegible]
[illegible] Suffer [illegible]
at 2200.

---

Saturday, 24th July

DIARY [illegible]
[illegible]
at 1100 [illegible]
[illegible] at 1230.
[illegible]
[illegible]
[illegible] (not hatched)
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

also [illegible] appears
[illegible] Twin Islands [illegible]
[illegible] [illegible]
[illegible] [illegible]
[illegible]
[illegible]
[illegible] visual
[illegible] [illegible]
[illegible]
[illegible]
[illegible]

---

Sunday, 30th July, 1961.

Rose 0830, Lazy breakfast, out
at 1030 to scrapped Yiga Island
[illegible] & Yiga Skuas
[illegible] Bake comp after
some photography, away at
1300 with Nucks [illegible] sledge
Pat [illegible] but spirited, &
[illegible] apparently fit & [illegible]
Perfect [illegible], clear morning
beautiful, T est -25°F!!
Passed to [illegible] Twin Island
skuas [illegible] in to Safety I.

at 1500 [illegible]
milk & D. Kopp, up
here, set up Beds, Operation
supp. 4 cups peanuts &
3 biscuit, Min only to bed
2 Beds stand with G. Smith
[illegible] 500 ml.

31 July 1961
[illegible] 500 ml

Smith

[illegible] 1400 - 1500 ml.
1700 - 2000 ml.

1400 Chicken

| | |
|---|---|
| 1 Sl. Pic + B + Veg. | 1 Sl. B + B + Veg. |
| 1 Sl. B | 1 Sl. B |
| 1 Sl. B + B + Jam | 1 Sl. B + B + Jam |
| 1 Sl. B | 1 Sl. B |
| 2 x 170 ml. Coffee | 2 x 170 ml Coffee |
| 3/4 cup milk 12 tsp Sug | + 2 tbsp. Sug |
| 6 squares Chocolate | |

2000

2T [illegible] as opposite

[illegible]

+ [illegible] - Occ.

[illegible]

- all stood on [illegible]

1C - [illegible] 2C - 2x Hyp Surg.

[illegible] 1 as opposite.

---

31 July 1960 - DIARY

Rose [illegible] early daily

[illegible] breakfast

[illegible] proper [illegible] full gear &

Beck Test. Land 1400 at

Sweet [illegible] & depart 1500 in Blonde B.S.

[illegible], wind [illegible].

S.L. [illegible] T -11°F. Run to

Mackellar Island at

1630, & set up camp in [illegible]

[illegible] of island

Wind [illegible] 15 kt. at [illegible]

[illegible]

2.200

170ml water

1400

½ black pepper + 1 black HTC

+ 1 heaped teaspoon of each

pepper, [illegible], cabbage,

divided equally

170C + 1 tsp S. | 170C + 1 + tsp. S

251.B + B + J | 251. B + B. + J

12 sq Milk Choc | 12 sq Milk Choc

1st August, 1941 — Diary.

Rose 0400 for leak - Hence drift + landing wind all night before. Rose again 1000, after breakfast, sent first drifted in. Out at 1300 for cafe, much warmer T feel alt +15°C, wind alt 40 kts, thick lift, still cold wind back in to feet of soft wind. Smith out at 1600 to feed days. Ed Blogwell conditions continued slow of but guys seem to beat it.

2nd August, 1941

Breakfast 1100 — 2 cups cocktails, 1 bottle divided equally

170 C + 1 tsp. Sug — as ob

2 × 170 T + 2 × 2 tsp Sug — as ob

2 51 B + B + J. — as ob

2×170 T + 2×½ 11½ p.sq. Acd.

2 11.5 + C + J As cb

2×170 T

2×170 C + 2×11½ p.sq. as cb

2 51 B + B + J as cb

Wind [illegible] U.S.
caused some [illegible] of [illegible]
holding feet down [illegible]
out [illegible] 170 to [illegible]
[illegible] kid
blew off cooking box at
[illegible] at 1700. Warm,
T. pass abt +26°F
[illegible]

Thursday [illegible]
[illegible]
0900 - Breakfast
2 cups oatmeal [illegible]
[illegible]
1700 C [illegible]
1700 T - [illegible]
[illegible] B + J
130 - [illegible]
4 slices B + J
12 [illegible]
2 [illegible] + D [illegible]

3rd August, 1961

[illegible]

R
11374

STAMP
5/

[illegible]

[illegible] it does not [illegible] it [illegible] but [illegible]

But [illegible] about [illegible] present. The [illegible] [illegible]

I [illegible] [illegible]

1900
Tea ½ block paper 1 block Ice
+ 3 lbs tap Egg + 1
lbd tbsp each of Rice,
potato, cabbage, onion
— divided equally

2 SL B + B + J 1 as op.
2×T 70T + 2×½ Hs Soy 1 as op.
2 Hs " " —

3rd August 1461.

Roe 0960 s a and
dropped To 30 KG Beef at
4 at To 1 d by 1 ...

completely upset our camp
& sorted out tent, sledge.
Intermittent drift, worse
hence the 1400 South
& self work on to ~~Mackin~~
Keston I. to pass geology
in 40 kt wind. ~~B~~ Caution
required on sea ice where snow
blown away. Back to camp
on Mackin at 1700 & away
at 1800, wind veering again
to 50 kt gusts.

---

Friday 4th August

1000 [illegible]
Breakfast 2 cups cocoa [illegible]
with dry cp. + each 1 tbsp.
+ 1 tbsp. sug.

| | |
|---|---|
| 2 x 170 T + 2 x ½ 1 tbsp Sug | as o/p |
| 2 Sl B + B + J | as o/p. |
| 2 Lil G | as o/p |

1300 Lunch

| | |
|---|---|
| 4 Sl B + B + J | as o/p. |
| 2 x 170 T. + 2 x ½ 1 tbsp. Sug | as o/p |
| 12 Sq choc. [illegible] | as o/p. |

4th August, 1961.

Mackin Island - 7048 L.

Small uniform clerk - [illegible]

R11402

R11403

the big flashing above typical of profile channel but the [illegible] does not, it is non-profile. Could [illegible] or [illegible] possible path [illegible] the [illegible]. Bandwidth [illegible] over the [illegible] but [illegible] on the [illegible] end of the [illegible]

---

1100 - [illegible]

2 × 176 T + 2 × ½ 1 tbsp [illegible] 1 cup [illegible]
2 SI R + J only [illegible]
2 L Lilio [illegible]

---

1100 - Dice

[illegible] + 1 tbsp
[illegible] + [illegible] tbsp [illegible]
[illegible]

2 × 176 T + 2 × ½ 1 tbsp Sug 1 cup [illegible]
2 SI D + J only 1 [illegible]
6 L Lilio 1 cup [illegible]

1400

1500

1606 Lamps [illegible]
Biscuit 1 tbsp salt in ½ lb
water [illegible]
1 tbsl tbsl sugar

TRIP 12 — SILITE 1

2 SIB. + J [illegible] — [illegible] c/p

2×170T + 2×[illegible] lb/p Sug — [illegible] c/p

2 L [illegible] — [illegible] c/p

---

Lunch 1100

2×170T + 2×[illegible] lb/p Sug — [illegible] c/p

2 SIB + B + J — [illegible] c/p

---

Din Dis 1600 2×170T + 2×[illegible] lb/p Sug — [illegible] c/p

1 SIB + B + Veg — [illegible] c/p

---

4 [illegible] Tea [illegible]: 1 T, 3 [illegible], [illegible], [illegible]

---

D [illegible] 2000

1 [illegible] + [illegible], [illegible]

[illegible], [illegible], [illegible], [illegible], [illegible]

— [illegible] [illegible] [illegible] [illegible] equal

3 SIB + J — [illegible] c/p

2×170T + 2×[illegible] lb/p — [illegible] c/p

2 L [illegible] — [illegible] c/p

---

4 [illegible] — [illegible] c/p

5th August 1961 - [illegible]

[illegible]

[illegible]

20kts, [illegible] sea

[illegible] day - [illegible] sea

[illegible] but [illegible] out

at [illegible], [illegible] day

[illegible]

[illegible] to 5kts [illegible]

[illegible] rainfall

[illegible] continue

---

[illegible]

R11379

6th August 1961.
*[illegible] Island, south side
of the [illegible] Sound
of [illegible] close —
[illegible]
[illegible] profile of [illegible]
garnet [illegible] & lenses
[illegible] granite-gneiss
[illegible] [illegible] bypass.
[illegible] *
[illegible]
[illegible] 100° dip 70 SW.

Also small lenses
granite gneiss in granite of
[illegible] Island, + [illegible]
biotite garnet rock in granite
+ in pegmatite. The light red-
brown garnetiferous pegmatite
are the most remarkable feature
of [illegible].

7th August 1961
[illegible]
[illegible] I

1300 TRAIL STATION

Lunch 2 St. B do.

1 St. B + B + Vg do. op.

1 St. B + B + J do. op.

1 sq. Chocolate do. op.

Hazel Nut

Tea Menu

½ block Jamaica + 1 block H.G.

+ 1 Kpd. Veg. each potato

Onion, Veg., rice, egg

— Dr. do.

TRAIL STATION

1 Tablet water

2 Oat + 2 Nut Sq do. op.

2 Sq. F J do. op.

2 Apricot do. op.

Study, bite, Allot, Cl — Water

Rec. office, assistant

[illegible] cement
[illegible] morning, day out
sludge & [illegible] day 1200. Pikey
on Hardin was shot out. 1300
Pedro [illegible] & Kaye [illegible] had
[illegible] on Stiffer. Mucks dead
Pike lost eye, tent split, [illegible]
[illegible] due to [illegible]
[illegible] Hardin [illegible], on 1630
[illegible] day on [illegible].

[illegible]

[illegible]
1200 [illegible]

170 [illegible] 510 [illegible]
10 C [illegible] [illegible] 2×1100 [illegible] sq. [illegible]

[illegible] 1461

Rations
[illegible] [illegible] 1 lb. [illegible]
[illegible] 2 lb. biscuit [illegible] 1 v. sq.

2 lb. [illegible] | oats.
3×170 T + [illegible] lb. [illegible] | 2×170 T + 2×½ oats.
170 ml. water.
2 kettles | 2 kettles.

[illegible] xtln. feldspar
[illegible]

Pt. D/ Two isol. composed of garnet-bearing pophyritic chonodrite gneiss. Dark yellow-brown massive pophyritic ch k the [illegible] garnet abt 5% [illegible] the [illegible] in [illegible] chondrite. Rock is massive on close inspection but fols foliation [illegible] seen on weathered surface [illegible] weathering.

SAMPLE G

W. [illegible] to thick 5' dykes of white & light grey-white [illegible] pegmatite with clumps of garnet and biotite. The feldspars are coarse to 100 mm & most white but some pink. The dykes are regular but run in various directions

[illegible]

11465

[illegible]

These gneisses are boiled pegmatites? or intrusive gneiss.

| | |
|---|---|
| Lock, 1300 [illegible] | [illegible] |
| 150 B + B – J | [illegible] |
| 150 B + B + Mica | [illegible] |
| 12 sq. [illegible] Nat | [illegible] |

[illegible]

[illegible]

[illegible]

2 [illegible] B + B + J (Thong) do do

2 x 10 T + 2 x 6 1/2 Seg do do

1 x 10 C + 2 1/2 [illegible] do / 2 x 10 C + 2 1/2

[illegible] 14 Lolli

---

[illegible] 1761 + Dig

[illegible] 1700, [illegible], [illegible]

[illegible] Paddle & off

[illegible] Paddle the Naughter

[illegible] back to Mauna

[illegible] of short skin

[illegible] seal 1 m. cost of

[illegible] the quolgs of islands

[illegible] here Throughout 1700

pick up seal [illegible] & hung
at 1/00. Fed dogs on kelp
seal, appy successful but
[illegible] stopped to day.

7th August, 1951.

Breakfast 7:00 Recorded 11 tsp. salt
[illegible] water div. as
~~2 St. B + J~~
~~170 C +~~

Today Bob 2 tsp. sugar
each for foodge, all previous
breakfast had 1 tsp. EACH.
5

| | |
|---|---|
| 2 St. B. + J | as op |
| 1 x 170 C + 11 tsp. Sug | as op |
| | 170 water |

[illegible]

[illegible] 2 stick
[illegible]

Mr. 30°

60° N.W.

11466

11470

11471
11472

P. G. skemia

Power of

Perpendicular

9th August, 1961.

Island off 2m W. Anderson I.

garnet-
north rocks
str. 700°

SAMPLE 76 11473

8th August cont'd.

Lunch — Tea — 5.1 Tea

1300 — 2 S/B — as ofs

1 S/B + Cheese — as ofs

S/B + B + J — as ofs

1 Sq Choc [illegible] — as ofs

Dinner

2000 — 1 [illegible] + 2 tsp

[illegible] Tea, [illegible]

Cabbage, rice, [illegible]

w 5/8 bitty water [illegible]

Tea [illegible] — water

Pressure 2/5 — 3/5

1×170 + 1 tsp Suy — 2×170 + 2×½ tsp Suy

170 ml water — 170 ml water

1×170 + 1 tsp Suy — 2×170 + 2×1 tsp Suy

6 [illegible] — 6 [illegible]

170 ml water

[illegible] — 170 ml [illegible]

[illegible] — 2 × 170 ml [illegible]

2 [illegible] [illegible] salt — ½ [illegible]

2 [illegible] [illegible] sugar, 2 [illegible] [illegible]

2 Sl. B. + B. + J
2×170 + 2×1 1. Hip Sup. /

ve ob
ve op.

3/3

20th August.

Visited by

Industrial.

20th August.
Visited by Cohen

Rockey Is., Libbey I.
Tongue Rock, Lower Tongue,
Oldhaven I. (Stanton 4/5, not
[illegible] detail.) Finnstadline
Hoodie rides 5.9 W. of Byed Head

Allison Is: W. of Gilbert Chain

Ufs I. - ok

Nothing Cedar, Taylor & Stephenson

Bay

Stuart Keefe PK

Field Island, Inner Pomfret

& King Is. Sh

Keel I.

Western portion of Oyster Lip

21st August, 1961 (7m E of Gibbs) Ds 15/4/64

Pt. 70 Island, abt 4m

N of Gibbs, 8m W off

Nassau

Well-foliated young tree

approx 20ft. Flowering branch

of dark fine grained

[illegible]

[illegible] quartz vein. Bands
[illegible] 1' → 6' thick,
[illegible] bands
str. 70° dip 80° S.
[illegible] bands + lenses
[illegible] pyrite
[illegible] + rel
quartzite weathers dirty like
[illegible] 11474
SAMPLE 77

---

2 [illegible]

[illegible]

[illegible] sample 78
11475

V/1

DIARY

21st August

Rose 0100, slow [illegible]
breakfast & pack all [illegible]
leaving Pinson 1300. Vehicle
part, left 1000. Ran between
Stine I. & Bellevue, clear S.
[illegible] Halsen I. to moved
30m I. [illegible] party left. Noc
yerkes & shot seal. On
to Gibbing at 1830, difficult
coming, v. little snow, pro-
[illegible] at 50 up side
on guard. Bed at 0100.

22nd August Rise 0700, breakfast
break camp, load sledge & proceed
Left Gibbing 1230, ran to
Low Tongue at 1445 & to
Einstaling at 1830. Again difficult
to find enough snow, camped

11476

11477 V/3

V/4 11478

at S.E. corner of Island near tide rocks. Dogs had dachshund today, pass the sandy shore.

23rd August, 1911

[illegible] 1700 geology [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Dogs much better today after feed of 2 meat blocks (!) last night + fish soup

25th August

8203V/17

24th August, 1961.

Rise 0900 Turf a whole
body ache to have slight
altercation about porter
stealing eggs, packed samples
to date on sledge 6 of 7
Tract motor bike left 1000
then slow breakfast, afternoon
fine w. light N. wind, T. est
-5° walked on sledge, feel
top seal meat, then counted
paperwork until 1800. whole
away to 2300 we spent
feeding, washing

25th August, 1961.

Up at 0900 radio sched
slow breakfast, then Snell
& self walked round bay
over varied green, very

Yesterday after Monsoon
gimlet. Also found Fe, Cu
pegmatite, a raised beach,
& some [illegible]. Home at 1730,
bed dry, then supper.

---

26th August, 1961.

Rose 1000 to 40kt. wind &
moderate drift, wind & drift
increasing through day. Spent day
in hut with occasional excursions
to see [illegible]. Pardie & Smith to today
in afternoon to see penguins
in blizzard & take photographs.

27th August 1951

0900 awake to hear radio
~~that end~~ now in calm
of depression, no drift, wind
light & variable, overcast, so
remain in camp all morning.
Out in afternoon to look for
seal & see penguins swimming
in ice hole, fascinating, almost
all swimming done by flapping
flippers, "flying" through water
like turtle. Killed 3 penguins,
gigantic chest muscles for
swimming, large stomachs containing
small transparent squids, some
shrimps & small fish. Remarkably
little blubber but magnificent
coat of feathers obviously provides
excellent insulation. 3 penguins

Pt 12

Hie [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] 150°

[illegible] 30° W. [illegible] [illegible]

Pull [illegible] [illegible] place [illegible]

[illegible] [illegible] [illegible]

[illegible] iron stand

Lee [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

GT

gone about 15 feet for tops, 4 feet in one penguin pectoral muscle. All night reading in hut to 2400.

28th August, 1961

Awoke 0900, mixed radio sked. Calm morning, overcast, T.Z. Light est +15°E. Count penguins in rookery in morning, late lunch, 1500-1600, then out to kill seal est 1 m. N. 1700 to 1900 geology along ridge south of camp, good story of events. Weather improving all afternoon, sky clearing to very pleasant warm evening for geology.

str. [illegible] all abt. 120,

P. [illegible]

[illegible]

a

quite [illegible]

[illegible]

11480

B[illegible] pebbles [illegible]

[illegible] boulder

Sh. 120°, dip vertical.
Non-[illegible]

11481
11452

V, 9

11481

84

SAMPLE
85
11482
V, 10

Large 6p - 3000 Inner back 4%
Outer " 7%
front 15%
small 4p 600 { front 13%
back 8%

28th August 1961.

N. [illegible] of hill 5 of Taylor Rocks

N. [illegible] of [illegible] complete [illegible], [illegible] 142 [illegible], and the foliation at right angles. The [illegible] surface [illegible] of [illegible] [illegible] - a [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] undeformed [illegible] [illegible] disorientated. The foliation [illegible] within the inclusions is random, it has not formed

To conform to the [illegible]
boundary of the [illegible] shading
of the [illegible] is [illegible]
the [illegible] formation [illegible]
[illegible] Foli. str. 50°/vert.
Hyloch. str. 130°/vert.
Mylonite str. [illegible], as also
Sub-str. [illegible] folta. [illegible]. in [illegible] 20°.
[illegible]

1 Black [illegible] in [illegible]
of the [illegible] formation [illegible]
[illegible] 1' x 3'
[illegible] undeformed
& [illegible] foliated, [illegible] Sample 86
11483
V/14

2 The [illegible] f.p.
[illegible]
[illegible] - [illegible]

3 These are well banded, well-foliated
[illegible] qtz-feldsp [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Pragmatic folding of both
dark & light [illegible]
& some [illegible]
[illegible] and left [illegible]
bend. These [illegible] be [illegible]
be [illegible] & could
be [illegible] [illegible]
[illegible]

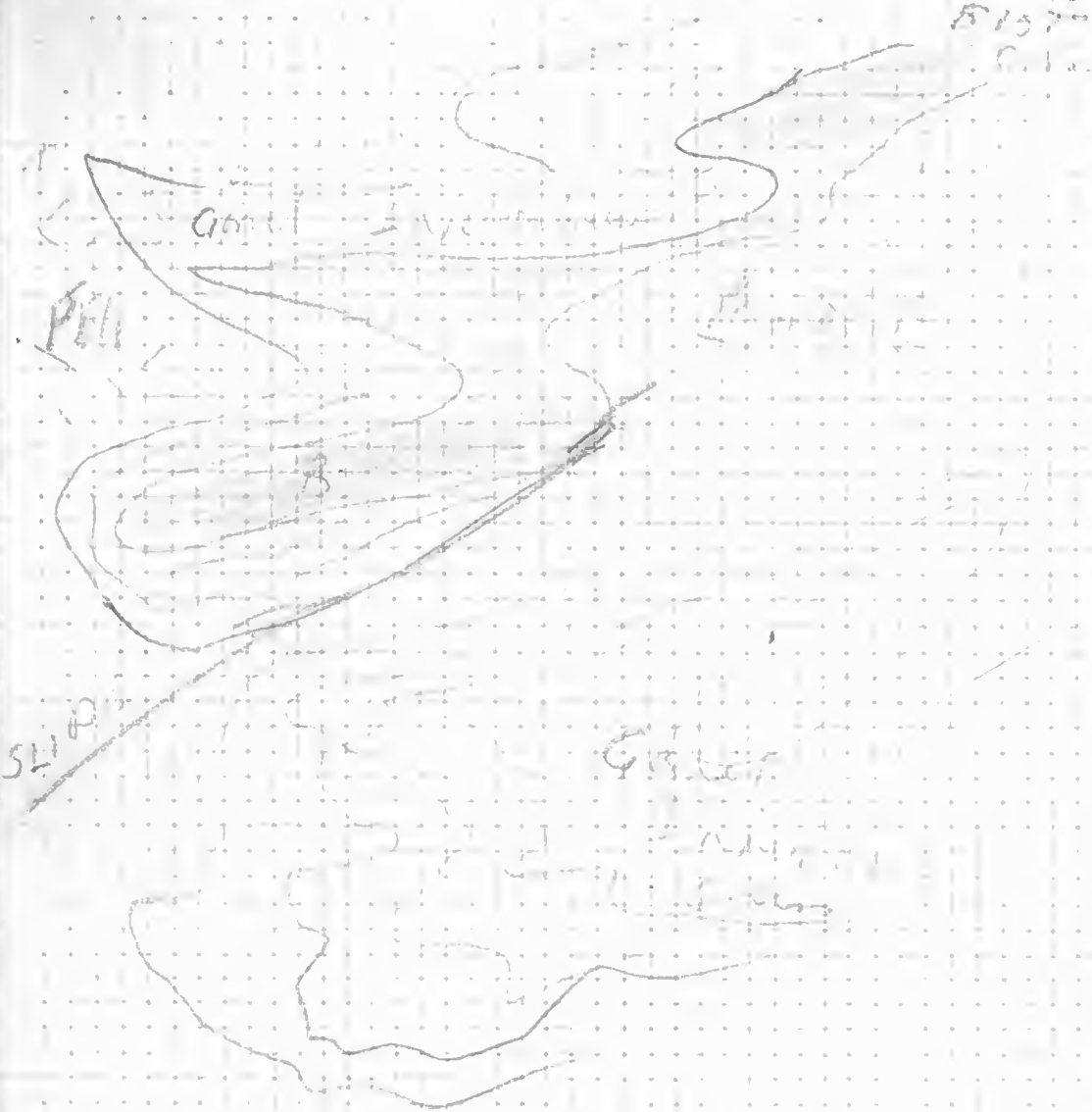
Sample 87

3 [illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible] injection
[illegible] & also [illegible]
[illegible]

4 [illegible]
[illegible]
[illegible]
[illegible] difficult [illegible]
if deformation [illegible]

HERR SHEAPING AFTER KENTLSTN.

29th August, 61.




View [illegible]
plunge to 40° / and 30°
Recumbent [illegible] + [illegible]
[illegible] granulite

"Injection gneiss, pegmatite
phase, syn-tectonic, but
porphyroblastic massive, non-foliated.

Pegmatitic folding of aplite veins in the granite-biotite granulite c. app. caused by injection. On the island close N. of Tonsberg. Recumbent style of isoclinal plastic folding is impossible seen in the g-G.F. injection gneiss which predominate on the island.
Axial plane ~~[illegible]~~ abt 80°
incl. abt 30°. The bodies of the quartz-biotite granulite are rarely included in the folding; they rarely occur as undeformed lens-like masses. Pegmatite is enormous abundant in migmatitic relation to the injection gneiss. The pegmatite is generally massive. Its texture is variable + dk. minerals, B & G, patchy.

DIARY, 29th August, 1961.

Rose 0900 after radio school to blustery wind, warm T. at 14°F. Read all morning, out in afternoon to collect specimens for days. The geology on island due N. of Taylor from 1500 to 1800. Weather improving steadily after morning clouds at midday. Sky clearing, wind easing, T. tonight.

mylonite is confined to the N. point of the island.

On close inspection some ~~the much~~ of injection gneiss has been re-crystallised by the pegmatite injection & the abundant banding in the gneiss is commonly a relic feature cut across by quite coarse pegmatite-texture crystals of qtz. & feldspar.

Garnets are essential in the injection gneiss, up to 30% locally with biotite also essential in mafic bands.

Quartz-biotite granulite } 88
Injection gneiss } ~~Sample 89~~ 89
Migmatite } 90

All from small island close N. of Taylor.

| No. | Page | |
|---|---|---|
| 83 | 54 | Sulphide ? pentlandite, Taylor |
| 83 | 54 | Cn. qz. biotite, Taylor |
| 84 | 63 | Mylonite, Nova Island |
| 85 | 63 | Foliated granite, Nova Island |
| 86 | 65 | Qtz. Biotite granulite, Taylor Hill |
| 87 | 67 | Injection gneiss, Taylor Hill |
| 88 | 71 | Quart. - biotite granulite, Taylor " |
| 89 | 72 | Injection gneiss " " |
| 90 | 73 | Mylonite, " " |

# INDEX

0062