

ANT/MICL/00



EASY

0024

2.

INCL.

\_\_\_\_\_

1965

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Subject

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25/1/64

Barometer at ... N 300, 350

... Banded ... paper ...  
... 10 ft ...  
... 10 ft ...  
... 10 ft ...

Lake level ... - 2"

Samples collected from ...  
... 10 ft ...  
... 10 ft ...

Observations

- (1) ... of dyke at end of ...
- (2) ... of ... 200°
- (3) ... of ... 100°
- (4) ... of ... 200°
- (5) ... of ... 200°

Strong wind 5 kts

... to 15 kts

Air temp abt 37°

Suit no 246

Suit no 246 = 55.

2

Flight to Kermit. 7/265.  
246. Trantin Is. Recumbent folds  
of banded gm plunging N300  
trending at abt 30°.

247. Gorges Is Banded gm. Northern  
Is str 190 dipped on 80E  
Possibly a fold. Lighter than  
general & brownish.  
Other low mass is str  
one 180 true 70E. B.G. with  
dykes str abt 250, dykes  
20-30 ft wide.

248. C. Dutton B.G. 240 V line  
on 2 north elongate diap,  
actual up rather ring,  
black bands not obvious,  
some very light patches,  
str prob abt 250 true.

249. Almost Pt. Barrow, str  
230° true 60E. Diver diap  
N250° true. str prob abt 250  
N290 V line

M 515 66° 54' S 56° 42' E

4

M56 do

M57 do

M58. do.

250. Bluff pt. cont. part  
at end of road <sup>215 80°E</sup> N 215 80°E

Block of deposit zone. <sup>245</sup> N 245  
<sup>60°S</sup> 60°S mag. py. flint-py. m.  
little pyrox. banding, and  
what there is mostly only  
a few inches wide.

Folding common, down to  
a few inches in scale.

A patch 30 ft long, 10 ft  
wide, of pyroxenite (spec M55)  
7 dm of py. of flint-py. m.  
moderate, some part with  
more pyrox. shows good  
white py. film. Grain size  
gr. mag. or f. mag (spec  
M56, M57). Parts with  
very little pyrox. mag. with  
a sandy look (spec M58)  
some small (up to 1 ft wide)  
peg. patches.

M59 (sect.)  $67^{\circ}25'S, 55^{\circ}00'E$  or  
0052 4450// = 25218//



mt Garnet 7/2/65

Photo 5104 Run 327

251. P. e. dom rock here is  
a garnet pyroxenite, a  
black green pyroxene and  
dark garnet. Rich in iron,  
a granular texture - no  
foliation, except for short streaks  
of grains.

Running through it are sty-  
fite streaks, ranging from  
thin ( $\frac{1}{16}$  inch) wispy patches  
to veins 3 or 4 inches wide.  
The wider veins tend to be  
rather regular, esp. the sty.  
Veins are only a few feet long  
and some show sharp, straight  
ones (but slightly curved)  
apparent strike due to other  
veins. Photo and the 159  
of paper show some of the  
coarser veins (e.g. green area)  
containing 2 inches of black pyroxene  
most of the coarse veins are  
about 2 inches wide, with some

1050  
(part)  
0053

67° 25'S, 55° 00'E  
4450 // = 25218 //

thin layers along strike.  
Toward the west  
the zone  
seems to be folding  
into pyrox at dip

gr. It is not true of P.S.T.,  
some banded. Outcrop then  
disappears under snow.  
A patch of P.P.F. at west end  
is prob. core of a fold. It  
contains little pyrox and that  
in finks, so that much of  
work has little pyrox.

spec N 60:                      80      N 270, 80 N.  
It is N 325 ~~SE~~ (mag),  
Even on the west side of  
dip, the whole ~~is~~ <sup>is</sup> ~~not~~ <sup>not</sup> ~~have~~  
great west extent.

252. The constant folding of the dip  
and flap-pyrox zone, the <sup>270°</sup>  
dip <sup>80°</sup> N, folds plunging NW  
(mag) at 40°. Pyrox flap is  
apparently <sup>6</sup>

M61, 67025's 55244 E  
0207 4451// = 25217//

0+

M62 do.

4452// = 25215//

banding of pyroxene  
pyroxene lath-like, bands  
up to a few inches wide of  
each. Pyroxene feldspar is  
subordinate. In places  
cont. nodules of garnet,  
and generally the str. fine  
for cont. scattered dark  
garnets. (Spec. after M 61.  
233. No same from same  
place from high level above  
along to bed. There is feldspar  
pyroxene, quartz, with  
scattered garnet, and dark  
white str. feldspar. These  
dipping in at about 20° N. E.  
These specimens seem to be  
more common up above. Spec  
of pyroxene M 62

m63  $67^{\circ}25'S$   $55^{\circ}46'E$

4458// = 25213//

2/2/65 ...

Run 327 Photos 210 etc.

2.4 On corner in ...

Dark ... little ...  
Card ... small ...  
of ... value ...  
...  
... light ...  
bands, ...

Whole ...  
a ...  
patching 300 ...  
... generally N 215 ... 40W ...  
... typical ...  
... like ...

Some ...  
...  
... up to 3 ins, ...  
... some ...  
... and a ...

M64

67°26'S, 55°45'E

4464 // = 25201 //

M67

67°26'S, 55°46'E

4464 // = 25201 //



255. Pyroxene feldspar gneiss,  
 granular, c. mod. chert on  
 quartz & scattered with (the N 265  
 thin of 0-1/2 inch bands, up to  
 1/2 inch wide, mostly 'bed'  
 parts of each one of the feldspar  
 has a little pyroxene and  
 scattered garnets.

N 265

Also N 320 was well bedded,  
 but on S. side of ridge a  
 peculiar part dip.

Parts of pyroxene feldspar are  
 regularly bedded. In some parts  
 cut pyroxene up to 1/2 inch  
 across, and for clumps of  
 pyroxene garnets, have a  
 band of garnet pyroxene.  
 Occurs by 1/2 inch 'pyroxene'  
 bands, also 1/2 inch  
 of scattered garnet  
 typical of the feldspar  
 N 265

(see it)

W 06 67°26'S 50°45'E

0050.

4457 // = 25198 //



sect  
M 67 67°26'S, 55°40'E  
0051 4455// = 25197//



MEX 67°26'S, 55°45'E

20

0208 4453 // = 25196 //

(259). Thin rocks up to 1/2  
in places, light col. sh. f. f. f.  
you have thin (1/16 - 1/8) bands  
of purple. There is a  
band in the center (spec 168)  
banded bands prominent  
but with ill defined  
edges, up to 2 in. wide.  
Look like 4 - an. flat?  
275, 185N.  
No. 350, 185E

May



Q2165 Rayner Peak. + 1000.

then 322 photo 2101V

250

N15 300 m.

65

Thin plane N120 at 200 m  
200 - N120 2130.

0.5 m. pl. zone; 30m  
specimen well defined bands  
N10 300 m. pl. zone  
up to 100 m. wide.

Thin plane, pl. zone + pl. zone

Thin plane pl. zone in pl. zone,  
pl. zone pl. zone + pl. zone  
at pl. zone - pl. zone

Both - folded into open folds.  
Thin pl. zone in pl. zone, pl. zone  
marked in pl. zone of pl. zone,  
but pl. zone of pl. zone + pl. zone  
pl. zone in pl. zone pl. zone.

North on main peak not pl. zone  
pl. zone for pl. zone pl. zone 70, 50 N.

Thin pl. zone in pl. zone pl. zone  
and pl. zone pl. zone pl. zone

23

M 73     $67^{\circ}23'S$      $56^{\circ}10'E$

4640// = 25253//

M 80    do

0212    do

part retained.

10-20 ft thick.

High at top is a dyke  
str almost down ridge to  
saddle

cont. p 31

Striated with

K1,261. Banded bed of green pyrox  
ferruginous of dolomite

N110 same unit at same  
measured beds. (M 80

Beds of green pyrox up  
to 10 ft thick seen in <sup>spec</sup>

photos 2" sections (photos) M73  
possible brecciated parting  
- <sup>in green pyrox</sup> but doubtful some

in these beds. Part  
of bed of green pyrox with  
white, paper like.

Part bands thin  $\frac{1}{16}$  -  $\frac{1}{8}$ "  
photos of in movement  
direction.



52.

Thru 328 photo 8094V

262 N 20, 35 S mag. pling of road  
line N 150 in pling 75°C  
alt' <sup>west</sup> from pling approx 9m  
and at pling E better paper  
rare gas. bands up E  
couple ft inside, alt' of road  
the pling means a split  
with a lens.  
It looks like it is in part  
< 3/4. Best common glp gn.

Pling. E big pling, K. 2000  
(dressed, J) + best. lots  
then 1/2 in down at pling  
line.

Some paper in some pling  
position. generally. It's not  
there past veins (upto 1/2)  
some appear below, commonly  
veins short, part covered by  
lens. Some paper forms



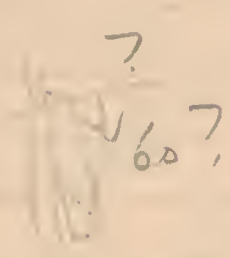
one line ~~several lines~~  
at least 20 ft thick a few other  
thin beds. Also in contact  
folding - not common.

cont'd p 33

### no 23 Turbulence Bluffs

Stromatolite oolite

Possibly p (gr), ch. l. in  
some lighter patches.



? cont. discordant  
light veins look  
like apl on peg.  
dykes, possibly

5 ft wide (photo)

Stromatolite oolite possibly  
banded green, possibly  
lapping vert, str possibly  
abt e-w.

M69  $67^{\circ}26'S$   $55^{\circ}55'E$   
4538// = 25227//

00

M70 do do

M71 do do

M72 do do

M76 do do



(260 count) Garn-sty. plap on cont.  
minor but, commonly in bands  
same as garnet bands, and  
sometimes in thin separate  
bands. Spec M69 of typical  
garn-sty. plap on (cont. spec)  
Garn pyroxene is similar to  
the one on Hermit. Spec M70  
of typical rock

Pyrite is grey, with very  
minor biotite. Spec M71.

Pyrox at plap on actually  
seems to cont. very little pyrox.  
This is a sty. plap on E. garnet  
garnet, permeated light brown by  
limestone. Spec M72.

Also E garn pyrox are  
nodules and streaks up to 1/4  
inch of laminated plap garn on.  
Spec M76

M74 67°19'S, 56°01'E  
0209 4578// = 25327//

M75 do  
0211 do

M81 do

M82 do  
0210

K2 covd 262 Pyrox garnet felp  
gn. cont. moderate list  
(2 spec M74)

A few bands of grey diopside  
slips gn c minor of rutile  
and scattered small brown  
in 2 fragments M75  
slight banding some foln.

Spec of garn - list felp of  
gn M 81 and of felp  
gn c some garnet M82.

M 77  
120

5152-- E  
26143-- N.

Age Sampling, Islands. 19/4/65  
Run 1 9025R.

altitude on ... 20' at 1315.  
Top of dyke 170 ft at 1323.  
Highest point of island 10.5  
feet higher.

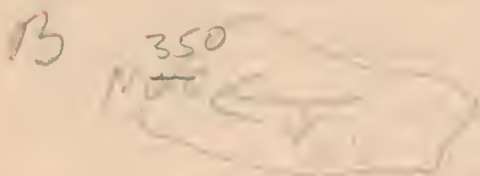
263 Sample obtained from  
large dyke at south-west end  
of southern-most of large islands.  
Collected 6 ft from northern  
side of dyke. Dyke is about  
1-2 in. It's top is 2 ft  
from north. Dyke is 10  
feet wide, trends N-S. No  
mass gravel or other stuff  
in the dyke but a rough  
level, reddish-brown like sand  
1/4 inch to 4 inches wide. The  
trends in sand dunes  
dips 80° W. Pool in and the  
Sample M 77 (see also) ult. 07

M-2

Spec M78

collected from ...  
porous ... from dyke.

A Str N-S mag. dip  $75^{\circ}$   
west.



350  
Str N ~~...~~ dip  
25 west  
mag.



349  
~~Str N~~  
dip 81 west

M79

(121)

5152 -- E

26143 -- N.



264 Sample of gray pelopae  
green bluish, not much  
pyrite and not many pores  
beds in gray color. It is  
It is not a crystalline

Sample M79 (dredge).  
Some bluish  
bands up to 2 or 3 in thick.  
Several in a row.  
M105 was wetter.  
Sample M79 (dredge).

M 83

66° 35' S 57° 21' E.

10

M 84.

Southern most main island,  
11/2/65.

265. vein about 18 ins wide, of  
iron stained rock. cuts  
across folw acutely. seems  
to be mainly feldspar, one spec  
cont. specks of ? perthite?  
spec M83

Most of rock seems to be very f  
feldsp. rock with streaks of  
magnetite? spec M84

M85

42

M86

0213

part  
retained

Hayden Peak on Horse Corral.

266. Peak strike  $100^{\circ}$  SW of SW,  
Peak of Twin Peaks. Dip about  
 $70^{\circ}$  NE true.

Dyke 7-10 ft wide. Strike  
 $15^{\circ}$  S of southern pt of Hermit.

(at summit)  
Dyke consists of base layers -  
from S. 1 ft of cg. type 2 ft  
of fqng. 1 ft of cg type, then  
more fqng, then rubble.  
Dip near vert, steeply S.

MP5. Spec of cg. rock  
MP6 do | fg rock.

Nothing to account it appears same to  
those seen by geologists.





153



298





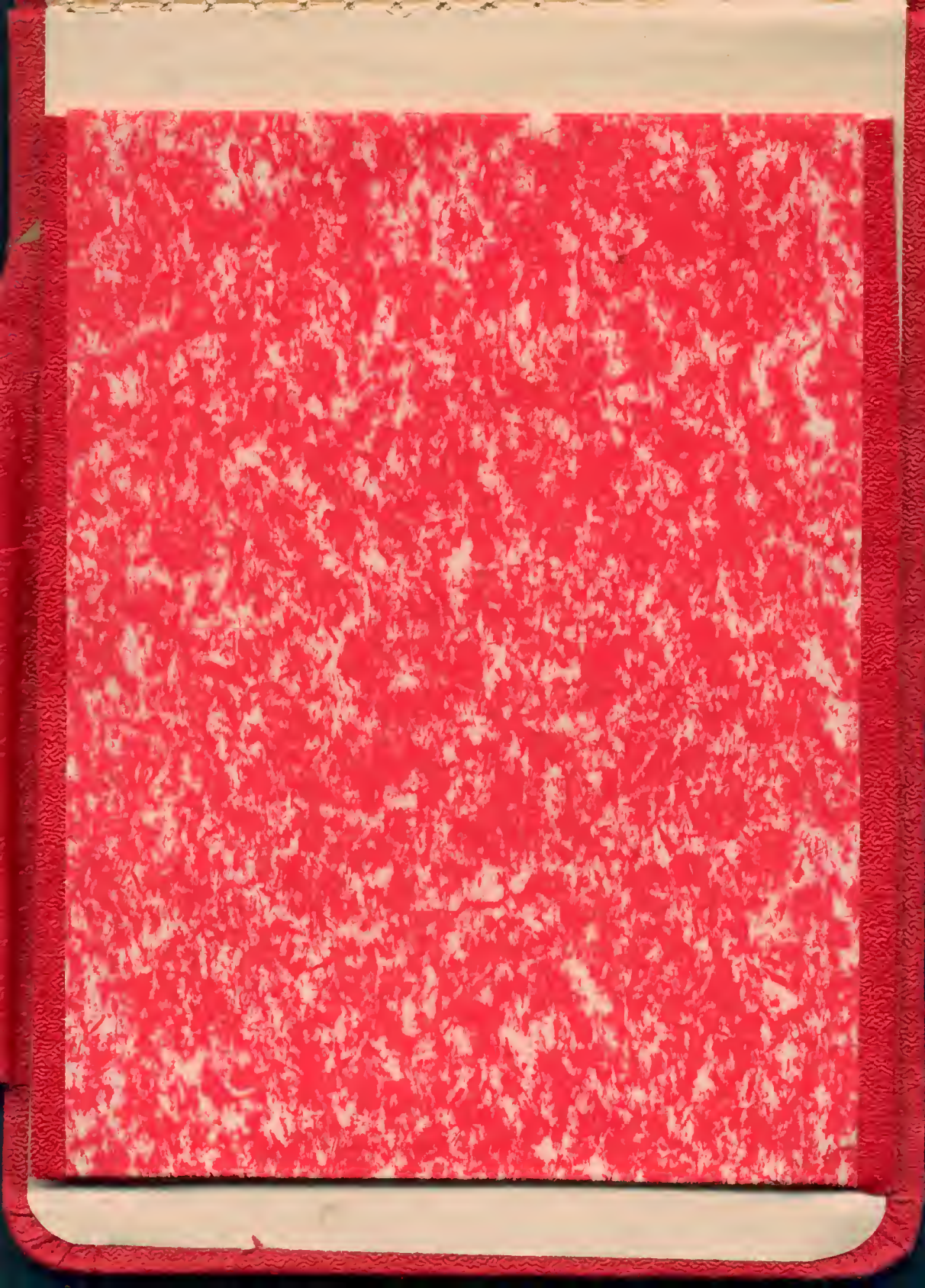


Handwritten text at the top of the page, possibly a title or header, which is mostly illegible due to fading.

Some

on land. Last night we  
 looked down Point a while  
 looking. Recon by  
steps down but not  
possible further. Today  
 we think place could make  
at Point. You see  
today 1600  
for mile back at Point  
on way back to ship  
stop.

Report will not be  
possible place you have  
on papers on islands  
will try to conclude something  
about to go then



AN/MCI/708

