

ICELAND 1962

The presenters of Lynholme Northern Cross  
from the Sanderson road to Reykjavik.



423.5 423.7 ) The promontory of Dyrholaey, southern Iceland,  
423.8 423.9 from the Gullfoss en route to Reykjavik. June 26.

423.17 Pinnacles of Haugjoli  
in Oxnadalar, northern Iceland



423.11 and 10 The thick andesite flow forming the cliff of Hafrafell, east of Borgarnes, western Iceland. June 29.



423.12 Pinnacles of Haafjall  
in Oxnadalur, northern Iceland.

555) Lattifoss and the gorge below it. July 2.



424.1 424.2 ) Dettifoss and the gorge below it. July 2.  
424.4 424.5 ) (to be compared with 424.1-424.3 to study rate of erosion)



424.3 Chisel markings on surface of basalt columns, topmost flow at Dettifoss. Columns approx. 4 ft. wide.

424.6 Dettifoss from highest point on solid rock

424.7 & 8 Dettifoss from highest point (on boulder) approx. 50 yds. from 424.6.

(424.6-8 taken for record purposes, to be compared possibly with future photos to study rate of erosion)



424.9 424.10 Hafragilsfoss, below Dettifoss.



424.11 Gorge of Jokulsa below Hafragilsfoss, showing cliff capped by flow-units and ash of postglacial lava

424.12 Erosion along gjá crossing Jokulsa below Hafragilsfoss.

All July 2.



425.1 425. 3 Landslip on west side of Skriddalur, Thingmuli

At Hafnafjörður,  
Iceland



425.2 South-western side of  
Hallbjarnarstadatindur, from  
Skriddalur

Ridge across the Jökulsa í Lóna at Stórafell.  
Tindur and Langjökull, just visible in middle  
distance through a gap in the mountains



425.6, 5 and 4 Panorama of mountain ridge north of Alftafjordur.  
1029 m = Einidalstindur    761-737 = Krakhamsfjall



425. 7 & 8 Bridge across the Jokulsa i Loni at Stafafell.  
The glacier, Lambatungujokull, just visible in middle  
distance through a gap in the mountains



Left. 425.12-

425.9 East face of  
Grasgiljatindur, 1267 m, from <sup>800'</sup>  
camp in Hoffellsdalur.

Right. 426.2 &

426.1 Inclined sheets  
cutting tuffs and basalts on  
east side of the gully, Vatns-  
hlidargil, east of the camp in  
Hoffellsdalur

sheldi breccia. Scale given by 6 inch  
spawning pillow above.

... at head of Hoffellsdalur. East  
end of gorge about 2300 ft., top of gorge about 3300 ft.



426.3 Hoffellsdalur, from near Hoffellsvatn, looking southwards.  
The peak is Hoffellstindur, 928 m.

426.4 Hoffellsvatn, with craggy outcrop of Dalsheidi breccia behind.



426.5 Detail of base of Dalsheidi breccia. Scale given by 6 inch rule. Basalt sheet perhaps spawning pillow above.

426.8 Waterfalls from Fossdalur, at head of Hoffellsdalur. Base of lowest waterfall at 670 ft, top of gorge about 1300 ft.



426.6 Fossholshnuta (capped by the Dalsheidi breccia) from near Hoffellsvatn.

426.7 Fossholshnuta and Lambatungujokull from the same mountain.



426.9 As 426.7, from above Oldulaekur col on east side.

426.10 Dalsheidi breccia with columnar basalt (exposure 50' high) resting on older palagonite tuff, locality 79 E of Hoffellsvatn



426.11 & 12 Columnar basalt at base of Dalsheidi breccia mass,  
locality 63 (north side breccia mass, due N of Hoffellsvatn)



427.1 & 2 Unconformable base of Balsheidi breccia mass, on  
either side of Naustastigsgil (in both, the base is  
inclined towards the south)

All July 6.

All July 7.



427.3 Termination of pitchstone flow, here about 60 ft. thick on right, against palagonite tuff with columnar basalt layer at base, in the gully Storholsgil on the E face of Grasgiljatindur. at about 2000 ft.

427.4 Tuffs cut by sheets, Vatnshlidargil across Hoffellsdalur, from same loc as 427.3



427.6, 5 & 7 Panorama of east side Hoffellsdalur from same locality as 427.3. 816 m = Vatnssteinafellstindur, beyond Vatnshlidargil gully; 989 = Osdalsheidi; 1046 = Reipstindur

428.6 Palagonite breccia resting on weathered pavement of older All July 7. locality 101 on north side of Fossedalsvötn. Scale given by 1 inch rule.



427.8 Lambatundujokull over Oldulaekur col, from NE shoulder of Grasgiljatindur

427.9 Waterfalls at head of Hoffellsdalur (see also 426.8)



428.2 East face of Fosshalshnuta, with columnar basalt sending off apophysis into breccia; resting unconformably on basalts. Camera pointed upwards at perhaps 40 degrees.

428.6 Palagonite breccia resting on striated pavement of older basalt, locality 101 on north side of Fosshalshnuta. Scale given by 6 inch rule.



Left. 428.1, 427.12-  
427.10

Lambatungujokull, Oldulaekur col,  
and the Dalsheidi ridge north of  
Hoffellsvatn, from Fössdalur

Right. 428.5-

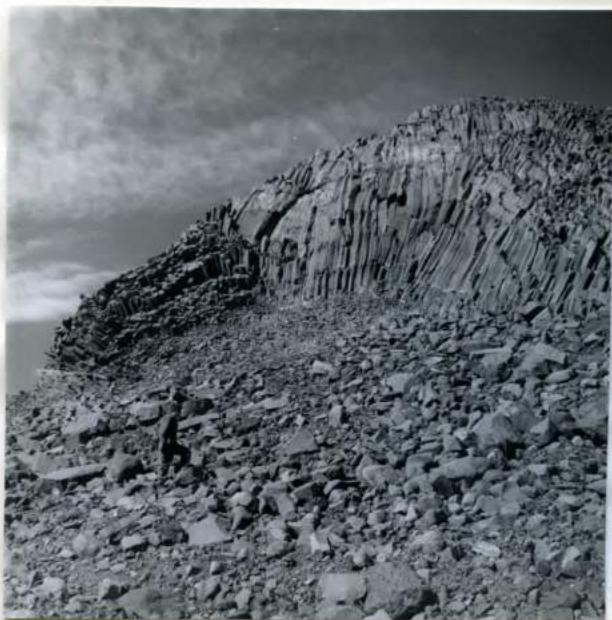
Gunnsteinstindur, near top

Gunnsteinstindur and Lambatungu-  
jokull, from hill above Hoffellsvatn



428.8 Gunnsteinstindur and Lambatungujokull, from Fosdalshnuta

428.9 Columnar basalt of Dalsheidi breccia mass, east side  
Gunnsteinstindur, near northern end.



428.10 Columnar basalt on western side of Gunnsteinstindur, near top  
428.11 Hoffellsvatn and Dalsheidi breccia behind.



428.12 Columnar basalt at base of Dalsheidi breccia mass at locality 79, east of Hoffellsvatn, resting on inclined floor of older rocks.

429.7 Camp in Hoffellsdalur, protected by walls. Vatnshlidfargil gully and its intrusive sheets behind.



429. 1 & 2 Skyndidalur looking south-east, with the outcrop of the Dalsheidi breccia on right.

Lambertigjainjukur, N side.  
Note crude down-slope dip in 429.2



429.3 429.4 Dalsheiði palagonite breccia resting unconformably on



429.3 429.4 ) Pillows in Dalsheiði palagonite breccia mass.  
429.5 429.6 Lambastigshnjukur, N side.

Note crude down-slope dip in 429.6

429.10 Base of Dalsheiði pillows about 100 m. below Táver  
with boulders up to 8 ft., locality 72 (near Haukstessvogur)

430.1 Inclined sheets in tuffa, Vatnshlíðargil, near camp in  
Hoffellsdalur. See also 426.1-2, 427.4-7, 429.7



429.3  
glacier, Lambastigshnjukur.



429.4 Dalsheiði palagonite breccia venting in outcrop



429.3 429.4 ) Pillows in Dalsheiði palagonite breccia mass.  
429.5 429.6 ) Lambastigshnjukur, N side.

Note crude down-slope dip in 429.6

429.10 Base of Dalsheiði palagonite breccia on talus cover  
with boulders up to 8 ft., lensily 73 (near Hnæstastigsgil)

430.1 Inclined sheets in tuffa, V. trahildargil, near camp in  
Hoffellsdalur. See also 426.1-2, 427.4-7, 429.7





429.8 Fossdalshnuta, capped by palagonite breccia, from the glacier, Lambatungujokull.

429.9 Dalsheidi palagonite breccia resting unconformably on older rocks near Naustastigsgil.



429.10 Base of Dalsheidi breccia, where it rests on tillite layer with boulders up to 8 ft., locality 72 (near Naustastigsgil)

430.1 Inclined sheets in tuffs, Vatnshlidargil, near camp in Hoffellsdalur. See also 426.1-2, 427.4-7, 429.7



429.11 & 12 Pillow lava, part of the Dalsheidi mass, locality 71. mountains north of Skýndiðalur.



430.2 View to east from 2500 ft. on SE ridge Grasgiljatindur, over Hoffellsdalur. 1036 m = Seltindur; 897 m = Marktindur.

430.3 View to west from same point. S = Svinafellsgoltur ridge, capped by palagonite breccia.



430.4 View to NE from 2500 ft on SE ridge of Grasgiljatindur, looking across the Hoffellsvatn basin and Dalsheidi to the mountains north of Skynnididalur.

430.5 Columnar basalt at base of Dalsheidi breccia , locality 39 near eastern termination of outcrop.



430.6 Braided floor of the Jokulsa i Loni (Jokulsarsandur) looking NW from above Thorisdalur farm. Jokulgilstindar in middle distance.

430.7. Thin intrusive sheets cutting Thormodarhnuta gabbro. Scale given by hammer 1 ft. long.



431.1

431.2



430.8 & 9 Gully on E side Kalfafellsdalur, with numerous intrusive sheets

430.10 & 11 Glaciers west of the head of Kalfafellsdalur

430.12 Glacier reaching the valley floor at the head of Kalfafellsdalur.

all July 17





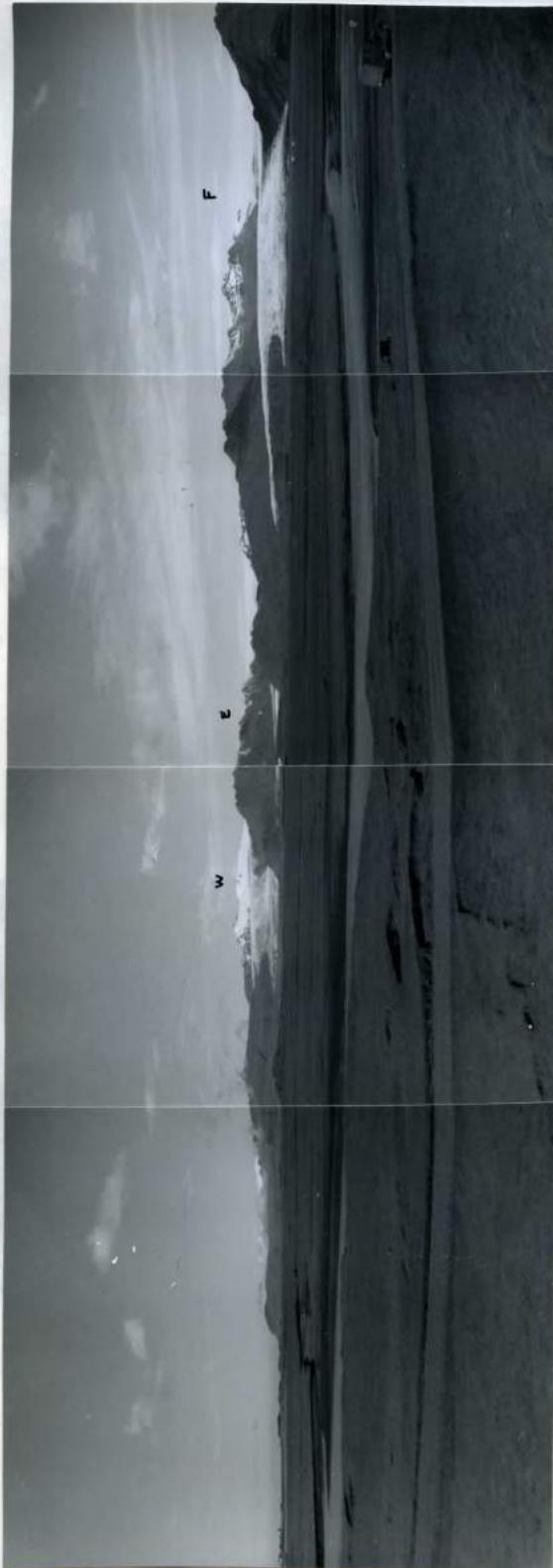
431.1 Gully with numerous intrusive sheets, east of head of Kalfafellsdalur

431.2 Waterfall , Skalafellshnuta.



431.11 Jokulfell (east of Vidbordsdalur) with palagonite tuffs resting on basalts dipping at  $17^{\circ}$ .

431.12 Termination of Vidbordsjokull.



431.9 431.6

Right: 431.3 431.5

Glaciers near Hornafjordur.

W = W Heinabergsjokull

E = E. Heinabergsjokull

F = Flaajokull.



431.9 431.6

Right: 431.3 431.5

Glaciers near Hornafjordur.

W = W Heinabergsjokull

E = E. Heinabergsjokull

F = Flaajokull.



Left: 432.5-10 Flugastadada Tur  
from Flotufjoll, on the north  
side of the valley, Hofsdalur

801 m = Svinabeinstindur

**865** = Hadegistindur

881-895 = Hakahlidarfjoll

K = Kolholstindur

1212 = Afrettartindur

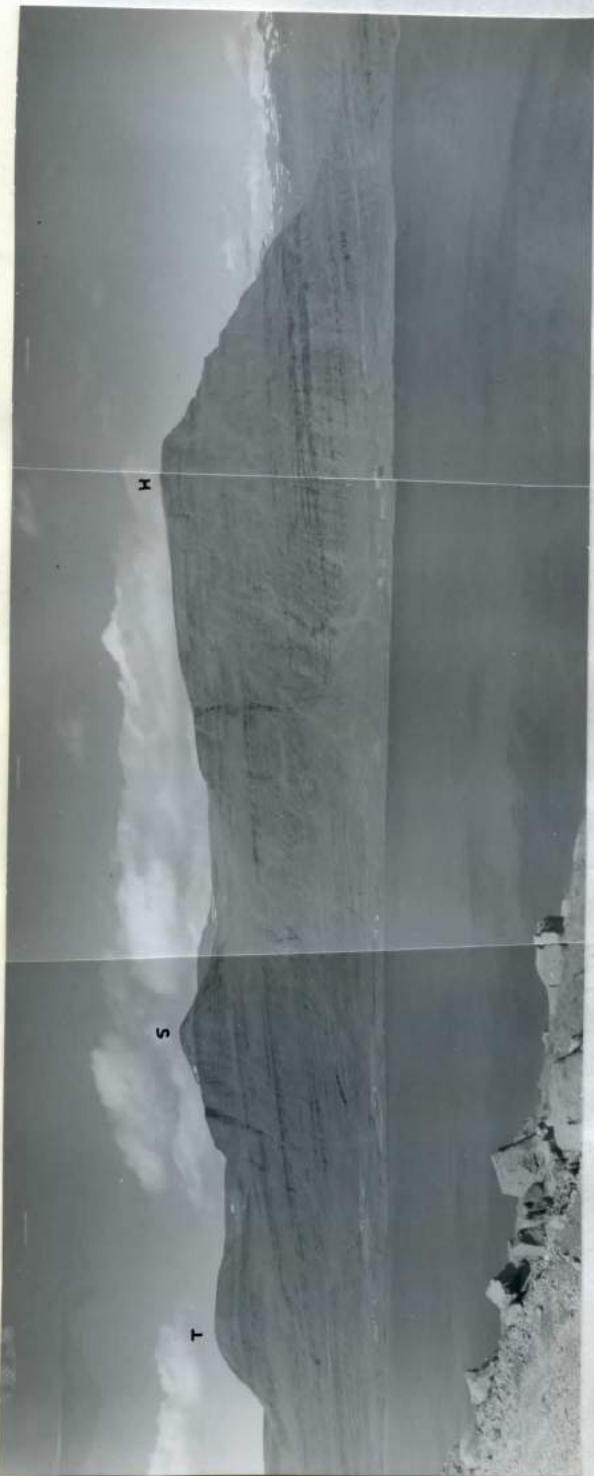
1313 = Jokulgilstindur

1066 = Tungutindur

Above: 432.12-11. Upper Geithellna-  
dalur, from Flotufjoll, with  
Thrandarjokull and, left distance,  
Snaefell. F = probable seat of  
Tertiary fissure-eruption.



433.1    433.2    ) Alison with children at Asunnarstadir farm,  
433.3    433.4    Breiddalur.      July 28.



Left: 433.5-7 ) Mountains north of  
Below: 433.9-8 ) "eydarfjordur, from S  
side of fjord.

H = Holmatindur

S = Somastadatindur

T = Teigargerdistindur

Above: 432.4 Svinafellsjokull and  
Höffellsjokull, from the SE.





Left: 434.3-1 and  
4433.12-11

Fljotsdalsheidi, from the  
SE side of Lagarfljot, near  
the Gilsar.

Above: Fossil tree in basalt  
lava, Gilsa, Fljotsdalur.

Scale given by 6 inch rule

434.3

Allison, camp beside Kjifa,  
on SE side of Lagarfljot.

Aug. 7.



434.4 434.5, where the road  
434.6 434.7 Högvíðalur.  
434.8 ~~434.9~~ Urðasætadir

Alison, camp beside Klifa,  
on SE side of Lagarfljot.

Aug. 2.



434.9 & 10 Roche Moutonnee near Hallormstadir, partly broken by subsequent frost action.



434.11 Camp beside Viddalsa, west of Jokuldalur, where the road ascends to the plateau on the journey west to Modrudalur.

434.12 Partially-eroded loess deposits, near Grimsstadir



435.1, 2 and 3 Thingvellir, from southern end of Almannagja.  
Skjaldbreidur in left distance.

435.6 and 7 - ~~Almannagja~~ - Thingvellir



435.4 Almannagja, looking NE

435.5 Almannagja, looking SW.



All Aug. 10.

Vehicle 4 - Myndshraun, east of Thingvillavatn,  
rising close to west. Photographed from Arnarfell ridge.



435.6 and 7 Nikulasargil (gja), Thingvellir.



435.8 Skjaldbreidur, from Thingvellir area.

436.2 Vehicles crossing Mjoaneshraun, east of Thingvellavatn, raising clouds of dust. Photographed from Arnarfjall ridge.

Aug. 10



435.9 and 10 Hrafnagja (the fault scarp on the left) at the eastern side of Thingvallavatn, with Hrafnabjorg behind. Photographed from the Arnarfell ridge



435.12 and 11. Thingvallavatn and Hrafnagil, with dust clouds in left distance, from Arnarfell.

All Aug. 11.



436.1 Arnarfell ridge, of palagonite tuff and breccia, looking SW over the postglacial lava plain.

436.11 Pillow lava horizon in palagonite breccia mantling SE side of Kalfstindur ridge; dip 13° to right



436. 7 and 8 Pillow lava in gully low on SE side of Kalfstindur palagonite ridge, east of Thingvellir.



436.6  
436.3 The Kalfstindur  
palagonite tuff-breccia/pillow-  
lava ridge, east of Thingvellir,  
from the SE.

Right: 436.9, 10 and 12. Pillow-  
lava layer in palagonite tuff  
on SE side of Kalfstindur ridge.  
Dip is  $13^{\circ}$  towards right.  
See also 436.11

All Aug. 11.