

2143
2145

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Topographic*
Field No. *2143* Office No. *2145*

LOCALITY

State *Alaska*
General locality *S.E. Boundary*
Locality *of Alaska*

1893

194

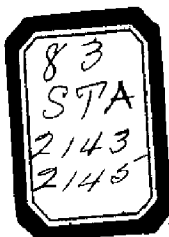
CHIEF OF PARTY

Flower, Perkins, Titman &

M. S. Lath

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DATE



U. S. COAST AND GEODETIC SURVEY.

T. C. Mendenhall, Superintendent.

State: *Alaska.*

DESCRIPTIVE REPORT.

Topographic Sheets Nos. *2143*
and *2145.*

LOCALITY:

S. E. Boundary of
Alaska.

1898.

CHIEF OF PARTY:

Fleming, Dickins, Tittmann
+ McGrath.

2143

Washington, D.C.

April 9th 1894.

Mr. C. H. Pittman,
Assist. U. S. G. S. A.

Dear Sir: Enclosed please find
one vol. of angles (horiz. & vert.) incl. sketches,
one package of Topogr. sketches and one
package "Computation of Triangles," with trian-
gulation sketch, upon which the Topographical
reconnaissance maps, registered under the num-
bers 2143 and 2145 in the Archives, have been
constructed.

Many of the points shown on the enclosed
sketch have been plotted by means of the sta-
tion pointer, as their distances ^{from other points} could not be
computed, not even in the rough manner
of the accompanying 'comp. of Triangles'.

Very respectfully
J. A. Flesher

NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'AL ANGLES.	SPH'AL EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
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Triangulation data for Topogrl. Reconnaissance So. of the Stikine River,

Boundary Survey, S. E. Alaska,
18943.

Transit No. 116 — Grad. To minutes N. E. S. W.

Note: This Topogrl. reconnaissance was made by the Canadian topogrl. party, in charge of Capt. A. L. Talbot, D.L.S., by means of the heliograph method. I merely accompanied that party and supervised their work by means of a rough triangulation and sketches.

J. A. Flemer

This triangulation begins with Assist. O. H. Pittman's scheme, which he laid out at the mouth of the Stikine River.

NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
	<i>North Base '93 - South Base 2320.2 3.36553</i>						
	<i>Hammock</i>	<i>71 27</i>		<i>71 27</i>		<i>9.97683</i>	
1.	<i>North B. '93</i>	<i>61 50</i>		<i>61 50</i>		<i>9.94526</i>	
	<i>South B. '93</i>	<i>46 43</i>		<i>46 43</i>		<i>9.86211</i>	
	<i>(4) North Base - Hammock</i>			<i>17 81.6</i>		<i>3.25081</i>	
	<i>(3) South Base - "</i>			<i>21 57.5</i>		<i>3.33396</i>	
	<i>North Base '93 - South Base 2320.2 3.36553</i>						
	<i>Rothsay</i>	<i>38 00</i>		<i>38 00</i>		<i>9.78934</i>	
2.	<i>North Base</i>	<i>40 59</i>		<i>40 59</i>		<i>9.81680</i>	
	<i>South Base</i>	<i>101 02 -1</i>		<i>101 01</i>		<i>9.99192</i>	
	<i>Rothsay - North Base '93</i>			<i>36 99.2</i>		<i>3.56811</i>	
	<i>" - South Base '93</i>			<i>24 71.7</i>		<i>3.39299</i>	
	<i>(2) Rothsay - South Base 2471.7 3.39299</i>						
	<i>Hammock</i>	<i>17 16</i>		<i>17 16</i>		<i>9.47249</i>	
3.	<i>Rothsay</i>	<i>15 00</i>		<i>15 00</i>		<i>9.41347</i>	
	<i>South B.</i>	<i>147 45 -1</i>		<i>147 44</i>		<i>9.72743</i>	
	<i>(1) Hammock - South Base</i>			<i>21 57.6</i>		<i>3.33397</i>	
	<i>(4) " - Rothsay</i>			<i>44 45.6</i>		<i>3.64793</i>	
	<i>(2) North Base '93 - Rothsay 3699.2 3.56811</i>						
	<i>Hammock</i>	<i>54 11</i>		<i>54 11</i>		<i>9.90896</i>	
4.	<i>North Base</i>	<i>102 49</i>		<i>102 49</i>		<i>9.98904</i>	
	<i>Rothsay</i>	<i>23 00</i>		<i>23 00</i>		<i>9.59188</i>	
	<i>(1) Hammock - North Base</i>			<i>17 82.5</i>		<i>3.25703</i>	
	<i>(2) " - Rothsay</i>			<i>44 48.3</i>		<i>3.64819</i>	

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER' L ANGLES.	SPH' L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
(2)	Rothsay - South Base '93					2471.7	3.39299
	Gibbons	cand.				22 57	9.59098
5	Rothsay	74 40				74 40	9.98426
	South Base	82 23				82 23	9.99615
(10)	Gibbons - Rothsay					6282.9	3.79816
"	" - South Base					6113.2	3.78627
(3,4)	Hammock - Rothsay					14447.0	3.64807
	Kadiu	32 16				32 16	9.72743
6	Hammock	66 49				66 49	9.96343
	Rothsay	80 55				80 55	9.99452
	Kadiu - Hammock					8225.4	3.91576
"	" - Rothsay					7657.2	3.88407
(6)	Kadiu - Hammock					8225.4	3.91576
	Wrayell	cand.				57 28	9.89334
7	Kadiu	82 10				82 10	9.99593
	Hammock	46 22				46 22	9.85960
(3,4)	Wrayell - Kadiu					7610.6	3.88142
"	" - Hammock					10417.0	4.01775
(7)	Kadiu - Wrayell					7610.6	3.88142
	Jue	33 14				33 15	9.73901
	Kadiu	41 12				41 13	9.81882
	Wrayell	105 30				105 32	9.98384
(19)	Jue - Kadiu					13373.9	4.12625
(21)	" - Wrayell					9145.9	3.96123

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
	(6) <i>Hammock - Kadin</i>					82 25.4	3.91576
	<i>Dry Island</i> <i>coud.</i>					38° 25'	9.79335
9	<i>Hammock</i>	112 43				112 43	9.96493
	<i>Kadin</i>	28 52				28 52	9.68374
	<i>Dry Island - Hammock</i>					63 90.8	3.80555
	" - <i>Kadin</i>					122 10.1	4.08674
	(6) <i>Kadin - Roithsay</i>					76 57.2	3.88407
	<i>Gibbons</i> <i>coud.</i>					21° 40'	9.56727
10	<i>Roithsay</i>	140 36				140 36	9.80259
	<i>Kadin</i>	17 44				17 44	9.48371
	(15) <i>Gibbons - Roithsay</i>					63 17.0	3.80057
	(39) " - <i>Kadin</i>					131 64	4.11939
	(19) <i>Dry Island - Kadin</i>					122 10.1	4.08674
	<i>Green Point</i> 50° 24'					50° 24'	9.88678
11	<i>Kadin</i>	111 40				111 40	9.96818
	<i>Dry Island</i> <i>coud.</i>					17 56	9.48842
	<i>Green Point - Kadin</i>					48 79.6	3.68838
	" " <i>Dry Island</i>					147 28.0	4.16814
	(11) <i>Green Point - Kadin</i>					48 79.6	3.68838
	<i>Garret</i> 52° 18'					52° 17'	9.89830
12	<i>Green Point</i>	89 07				89 06	9.99995
	<i>Kadin</i>	38 35				38 35	9.79494
	<i>Garret - Green Point</i>					38 46.1	3.58502
	" - <i>Kadin</i>					61 66.4	3.79003

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
13	(11) Green Point - Kadin					4879.6	3.68838
	Lithograph	41° 36'				41 35	9.82198
	Kadin	64 21				64 20	9.95488
	Green Point	74 06				74 05	9.98302
	Lithograph - Kadin					7070.0	3.84942
	" - Green Point					6626.5	3.82128
14	(13) Lithograph - Kadin					7070.0	3.84942
	Accommodation	81° 11'				81° 10'	9.99482
	Lithograph	49 34				49 33	9.88137
	Kadin	49 17				49 17	9.87964
	Accommodation - Lithograph					5423.0	3.73424
	" - Kadin					5444.6	3.73597
15	(14) Green Point - Kadin					4879.6	3.68838
	Simssof	44° 10'				44° 10'	9.84308
	Kadin	49 06				49 06	9.87844
	Green Point	cond.				86 44	9.99429
	Simssof - Kadin					6491.8	3.84459
	" - Green Point					5293.5	3.72374
16	(15) Accommodation - Kadin					5444.6	3.73597
	Simssof	50 49				50° 49'	9.88937
	Kadin	34 02				34 02	9.74794
	Accommodation	94 09				94 09	9.99886
	(15) Simssof - Kadin					7005.8	3.84546
	" - Accommodation					3931.3	3.59454

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
(15,16)	Sisimuyuf - Kadin					6998.8	3.84502
	Midget	83	56			83 56	9.99756
17.	Sisimuyuf	69	33			69 33	9.97173
	Kadin	26	31			26 31	9.64978
	Midget - Sisimuyuf					3142.2	3.49724
	" - Kadin					6594.6	3.81919
(17)	Midget - Sisimuyuf					3142.2	3.49724
	Joe	25	09			25 09	9.62838
18.	Sisimuyuf	92	27			92 27	9.99960
	Midget	62	24			62 24	9.94753
(19)	Joe - Sisimuyuf					6552.3	3.81639
	" - Midget					7386.9	3.86846
(15,16)	Sisimuyuf - Kadin					6998.8	3.84502
	Joe	18	57			9 04	9.19757
19.	Sisimuyuf	162	23			162 26	9.47974
	Kadin	8	30			8 30	9.16970
(18)	Joe - Sisimuyuf					6564.6	3.81721
(8)	" - Kadin					13404.9	4.12725
(18,19)	Joe - Sisimuyuf					6558.4	3.81680
	Eufin	33	35			33 35	9.74284
20.	Joe	111	17			111 20	9.96917
	Sisimuyuf	35	02			35 05	9.75949
(22,23)	Eufin - Joe					6814.7	3.83345
(24)	" - Sisimuyuf					11044.0	4.04313

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(18, 19)	Joe - Simon of Wrangell	concl.				65 58.4	3.81680
21	Joe	41 23				45 05	9.85012
	Simon of	93 32				41 23	9.82026
	(18) Wrangell - Joe					93 32	9.99917
	" - Simon of					92 43.7	3.96585
						61 22.6	3.78694
(18)	Joe - Wrangell					91 45.9	3.96123
	Enfir	67 38				67 38	9.96603
22	Joe	69 44				69 44	9.97224
	Wrangell	concl.				42 38	9.83078
(20), (23)	Enfir - Joe					66 98.5	3.82598
	" - Wrangell					92 77.6	3.96744
(18)	Joe - Kadu					133 89	4.12675
	Enfir	53 13				53 13	9.90358
23	Joe	102 58				102 58	9.98878
	Kadu	concl.				23 49	9.60618
(20), (23)	Enfir - Joe					67 50.7	3.82935
(20)	" - Kadu					16 29.1	4.21195
(15, 16)	Kadu - Simon of					69 98.8	3.84502
	Enfir	19° 28'				19° 28'	9.52278
24	Kadu	concl.				31 34	9.71891
	Simon of	128 58				128 58	9.89071
(20)	Enfir - Kadu					163 28.9	4.21295
(20)	" - Simon of					109 94.0	4.04115

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	(20, 22, 23) <i>Enfien - Joe</i>					6754.6	3.82960
	<i>Speck</i> 85 43					85 42	9.99878
25.	<i>Enfien</i> 16 52					16 51	9.46220
	<i>Joe</i> 77 28					77 27	9.98950
	(24) <i>Speck - Enfien</i>					6611.8	3.82032
	" - <i>Joe</i>					1963.4	3.29302
	(22) <i>Enfien - Wrangell</i>					9277.6	3.96744
	<i>Speck</i> 58 23					58 23	9.93022
26.	<i>Enfien</i> 84 30					84 30	9.99800
	<i>Wrangell</i> cond.					37 07	9.78063
	(25) <i>Speck - Enfien</i>					6574.3	3.81785
	" - <i>Wrangell</i>					10845	4.03522
	(25, 26) <i>Speck - Enfien</i>					6593	3.81908
	<i>Hub</i> 62 20					62 20	9.94727
27.	<i>Speck</i> 110 50					110 50	9.97063
	<i>Enfien</i> cond.					6 50	9.07548
	<i>Hub - Enfien</i>					6957.3	3.84244
	" - <i>Speck</i>					885.7	2.94729
	(20, 22, 23) <i>Enfien - Joe</i>					6754.6	3.82960
	<i>Bush</i> 42 13					42 13	9.82733
28.	<i>Enfien</i> cond.					68 18	9.96808
	<i>Joe</i> 69 29					69 29	9.97154
	<i>Bush - Enfien</i>					9414.7	3.97381
	" - <i>Joe</i>					9340.0	3.97035

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(28)	Enfin - Bush					9414.7	3.97381
	Sub	89° 21'				89 21	9.99997
29	Enfin	cond.				42 20	9.82830
	Bush	48 18 1/2 1/2				48 19	9.87322
	Sub - Enfin					7031.7	3.84706
	" - Bush					6340.7	3.80214
(29)	Sub - Bush					6340.7	3.80214
	Sub	59 06 1/2 1/2				59 06	9.93352
30	Sub	39 28				39 28	9.80320
	Bush	81 26 1/2 1/2				81 26	9.99573
	Sub - Sub					7307.2	3.86375
	" - Bush					4697.0	3.67182
(30)	Sub - Bush					4697.0	3.67182
	Coach	31 49				31 49	9.72198
31	Sub	33 57 1/2 1/2				33 57	9.74587
	Bush	114 20				114 20	9.95960
	Coach - Sub					8117.8	3.90944
	" - Bush					4962.6	3.69571
(31)	Coach - Bush					4962.6	3.69571
	Pseudo	cond.				84 32	9.99802
32	Coach	58 10				58 10	9.92921
	Bush	37 18				37 18	9.78246
	Pseudo - Coach					3021.0	3.48015
	" - Bush					4235.4	3.62690

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER' L ANGLES.	SPHER' L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
	(33) <i>Wrangell - Hammond</i>					10417.0	4.01775
	<i>Bald Peak</i>	57 47				57 47	9.89524
33.	<i>Wrangell</i>	concl.				57 49	9.92755
	<i>Hammond</i>	70 24				70 24	9.97408
	(37) (35) <i>Bald Peak - Wrangell</i>					12491.0	4.09659
	" " <i>- Hammond</i>					11221.9	4.05006
	(34) <i>Gibbons - Kadie</i>					13164.0	4.11939
	<i>Wrangell</i>	77 57				77 57	9.99032
34.	<i>Gibbons</i>	concl.				34 25	9.75221
	<i>Kadie</i>	67 38				67 38	9.96603
	(37) <i>Wrangell - Gibbons</i>					12448.1	4.09510
	(7) " <i>- Kadie</i>					7608.1	3.88128
	(34) <i>Wrangell - Gibbons</i>					12448.1	4.09510
	<i>Bald Peak</i>	73 23				73 23	9.98147
35.	<i>Wrangell</i>	31 17				31 17	9.71539
	<i>Gibbons</i>	concl.				75 20	9.98561
	(37) (33) <i>Bald Peak - Wrangell</i>					12567.8	4.09924
	(37) " " <i>- Gibbons</i>					6745.6	3.82902
	(35) <i>Gibbons - Bald Peak</i>					6745.6	3.82902
	<i>Cannery</i>	concl.				39 00	9.79887
36.	<i>Gibbons</i>	76 22				76 22	9.98759
	<i>Bald Peak</i>	64 38				64 38	9.95597
	<i>Cannery - Gibbons</i>					9685.5	3.98612
	" <i>- Bald Peak</i>					10417.0	4.01774

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
(33-35)	Wrangell - Bald Peak					12 614.8	4.100 88
	Gibbons	concl.				75 20	9.985 61
37	Bald Pk	73 23				73 23	9.981 47
	Wrangell	31 17				31 17	9.715 39
(35)	Gibbons - Bald Peak					6771.7	3.830 66
(34)	" - Wrangell					12495.1	4.096 74
(35-37)	Gibbons - Bald Peak					6758.6	3.898 6
	Round Mt.	concl.				32 37	9.731 60
38	Gibbons	19 39				19 39	9.526 69
	Bald Peak	127 44				127 44	9.898 10
	Round Mt. - Gibbons					9916.5	3.996 36
	" - Bald Peak					4216.5	3.624 95
(334)	Kadin - Wrangell					7609.3	3.881 34
	Gibbons	concl.				34 25	9.752 21
39	Wrangell	77 57				77 57	9.990 32
	Kadin	67 38				67 38	9.966 03
(34-37)	Gibbons - Wrangell					12450	4.095 76
(10)	" - Kadin					13166	4.119 45
(35, 37)	Gibbons - Bald Peak					6758.6	3.829 86
	Tipp	17 30				17 30	9.478 14
(40)	Bald Peak	143 01				143 01	9.779 30
	Gibbons	19 29				19 29	9.523 74
(41)	Tipp - Bald Peak					7496.5	3.874 86
	" - Gibbons					13521.9	4.131 02

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'L ANGLES.	SPH'L EXCESS.	PLANT ANGLES AND DISTANCES.	LOGARITHMS.
	(33,35) <i>Mrangell - Bald Peak</i>					12529.4	4.09793
	<i>Tipp</i>	22 50				22 50	9.58884
41.	<i>Mrangell</i>	cund				13 26	9.36608
	<i>Bald Peak</i>	143 44				143 44	9.77199
	<i>Tipp - Mrangell</i>					19100	4.28103
(40)	- <i>Bald Peak</i>					7501.0	3.87572
	(33,35) <i>Mrangell - Bald Peak</i>					12529.4	4.09793
	<i>Rynda</i>	30 38				30 38	9.70718
42	<i>Mrangell</i>	cund				18 23	9.49882
	<i>Bald Peak</i>	130 59				130 59	9.87789
	<i>Rynda - Mrangell</i>					18562.4	4.26864
(44)	- <i>Bald Peak</i>					7754.7	3.88957
	(33,35) <i>Mrangell - Bald Peak</i>					12529.4	4.09793
	<i>Kelly</i>	33 59				33 59	9.74737
43	<i>Mrangell</i>	cund				28 04	9.67216
	<i>Bald Peak</i>	117 57				117 57	9.94614
	<i>Kelly - Mrangell</i>					19761.0	4.29580
	- <i>Bald Peak</i>					10525.0	4.02222
	(43) <i>Bald Peak - Kelly</i>					10525.0	4.02222
	<i>Rynda</i>	136 57				136 57	9.83419
44.	<i>Kelly</i>	30 01				30 01	9.69919
	<i>Bald Peak</i>	13 02				13 02	9.35318
(40)	<i>Rynda - Kelly</i>					3477.1	3.54121
(42)	- <i>Bald Peak</i>					7713.0	3.88722

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NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER' L. ANGLES.	SPH' L. EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
(43)	Bald Peak - Kelly Castle	cand.				105 25.0	4.02 222
45.	Bald Peak	61 31				23 59	9.60 903
	Kelly	94 30				61 31	9.94 397
	(50) Castle - Kelly					94 30	9.99 866
(51)	" - Bald Peak					22 759.9	4.35 716
(52)	" - Bald Peak					25 814.0	4.41 185
(42, 44)	Rymda - Bald Peak Castle	cand.				77 33.8	3.88 839
46.	Rymda	115 50				15 41	9.43 188
	Bald Peak	48 29				115 50	9.95 427
	(50) Castle - Rymda					48 29	9.87 434
(51)	" - Bald Peak					21 421.9	4.33 085
(52)	" - Bald Peak					25 750.0	4.41 078
(31, 34)	Kadin - Wrangell Bald Peak	cand.				76 09.4	3.88 135
47.	Wrangell	109° 14'				25° 31'	9.63 425
	Kadin	45 15				109 14	9.97 506
	Bald Peak - Kadin					45 15	9.85 137
(33, 35)	" - Wrangell					16 678.9	4.22 216
(47)	Bald Peak - Kadin Castle	cand.				12 545.0	4.09 847
48.	Bald Peak	155 07				16 678.9	4.22 216
	Kadin	15 14				9 39	9.22 435
(45, 46)	Castle Peak - Bald Peak					155 07	9.62 405
	" - Kadin					15 14	9.41 954
	(45, 46) Castle Peak - Bald Peak					26 143.0	4.41 735
	" - Kadin					41 866.0	4.62 186

Do not write on this margin.

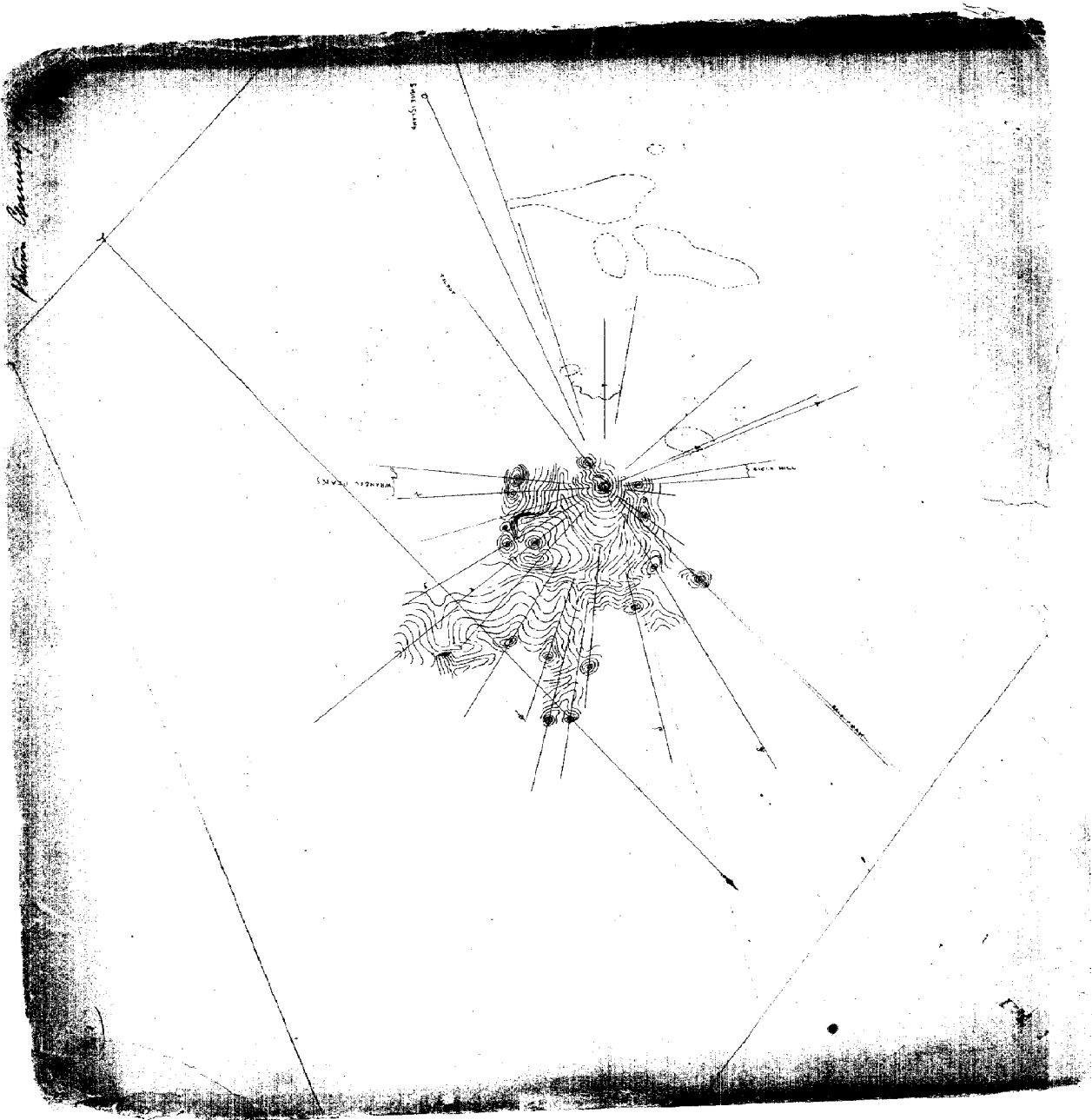
NO.	STATIONS.	OBSERVED ANGLES.	CORR'N.	SPHER'AL ANGLES.	SPHER'AL EXCESS.	PLANE ANGLES AND DISTANCES.	LOGARITHMS.
	<i>Ryndu - Bald Peak</i>					<i>7733.8</i>	<i>3.88839</i>
	<i>Kelly</i>	<i>30° 01'</i>				<i>30° 01'</i>	<i>9.69919</i>
<i>49.</i>	<i>Bald Peak</i>	<i>13 02</i>				<i>13 02</i>	<i>9.35318</i>
	<i>Ryndu</i>	<i>cond.</i>				<i>136 57</i>	<i>9.83419</i>
	<i>(43) Kelly - Bald Peak</i>					<i>10553.8</i>	<i>4.02339</i>
	<i>(44) " - Ryndu</i>					<i>3494.5</i>	<i>3.54238</i>
	<i>(44-49) Kelly - Ryndu</i>					<i>3485.8</i>	<i>3.54230</i>
	<i>Little Volcano</i>	<i>cond.</i>				<i>9° 58'</i>	<i>9.23823</i>
<i>50.</i>	<i>Ryndu</i>	<i>45° 38'</i>				<i>45 38</i>	<i>9.85423</i>
	<i>Kelly</i>	<i>123 24</i>				<i>123 24</i>	<i>9.92077</i>
	<i>Little Volcano - Ryndu</i>					<i>16782.0</i>	<i>4.22484</i>
	<i>" - Kelly</i>					<i>14398.0</i>	<i>4.15830</i>

Do not write on this margin.

Note: The corrections applied to horiz. angles (observed) are due to eccentricity of station. All stations were simultaneously occupied by Capt. A.C. Fernald & myself. The former occupying the station proper, by compass. Signals were left after the station had been observed upon (at least once) and occupied. The difference between point first observed upon and that marked by the signal amounted sometimes to 60 metres.

J. A. Fernald

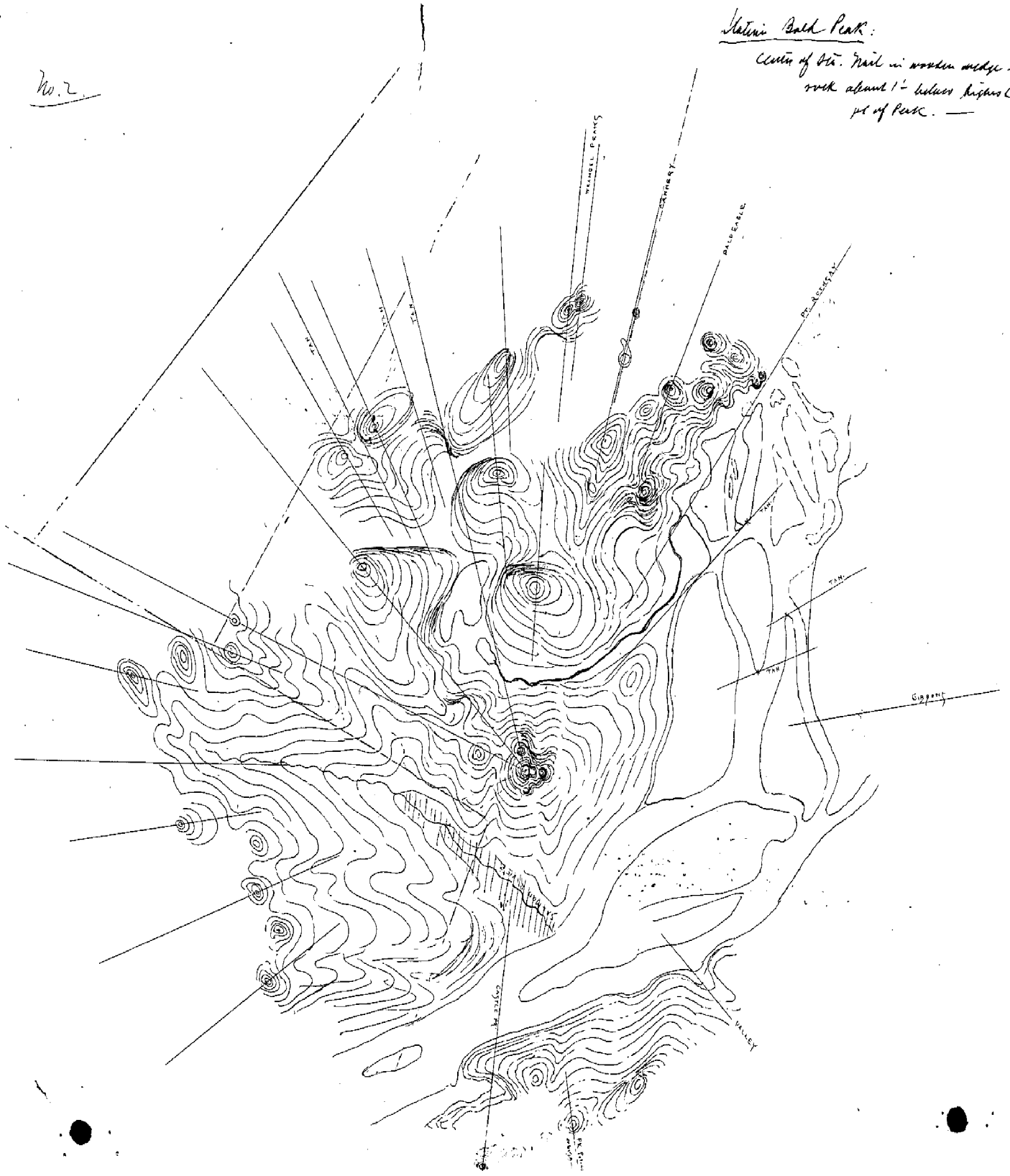
Plotting



No. 2

Native Bald Peak:

Center of Sta. Trail in wooden wedge in
rock about 1/2 below highest
pt of Peak. —



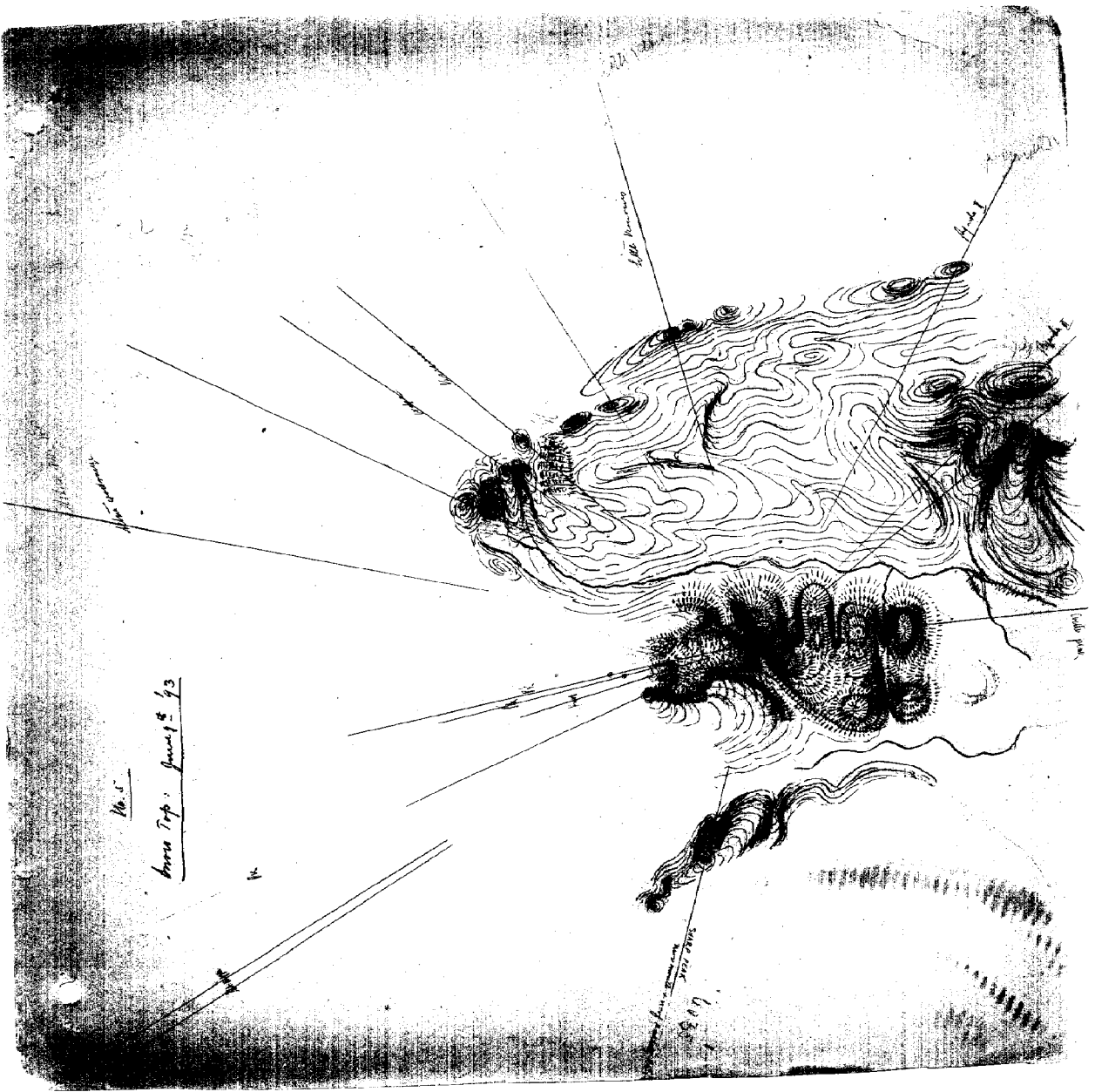
[illegible]

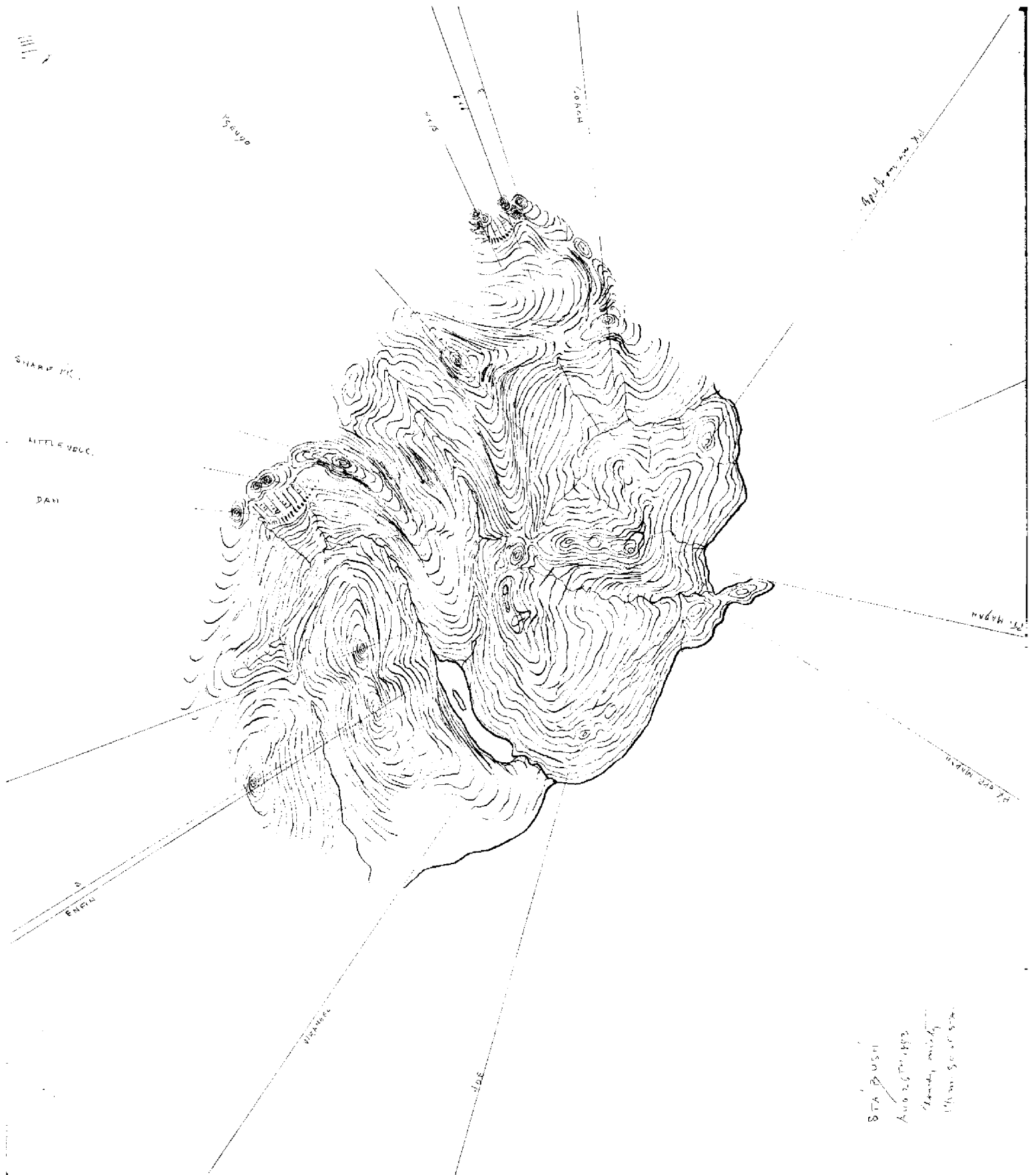
May 27th 1873

No 4.

Station Ryula (No 1)
June 23d 1893

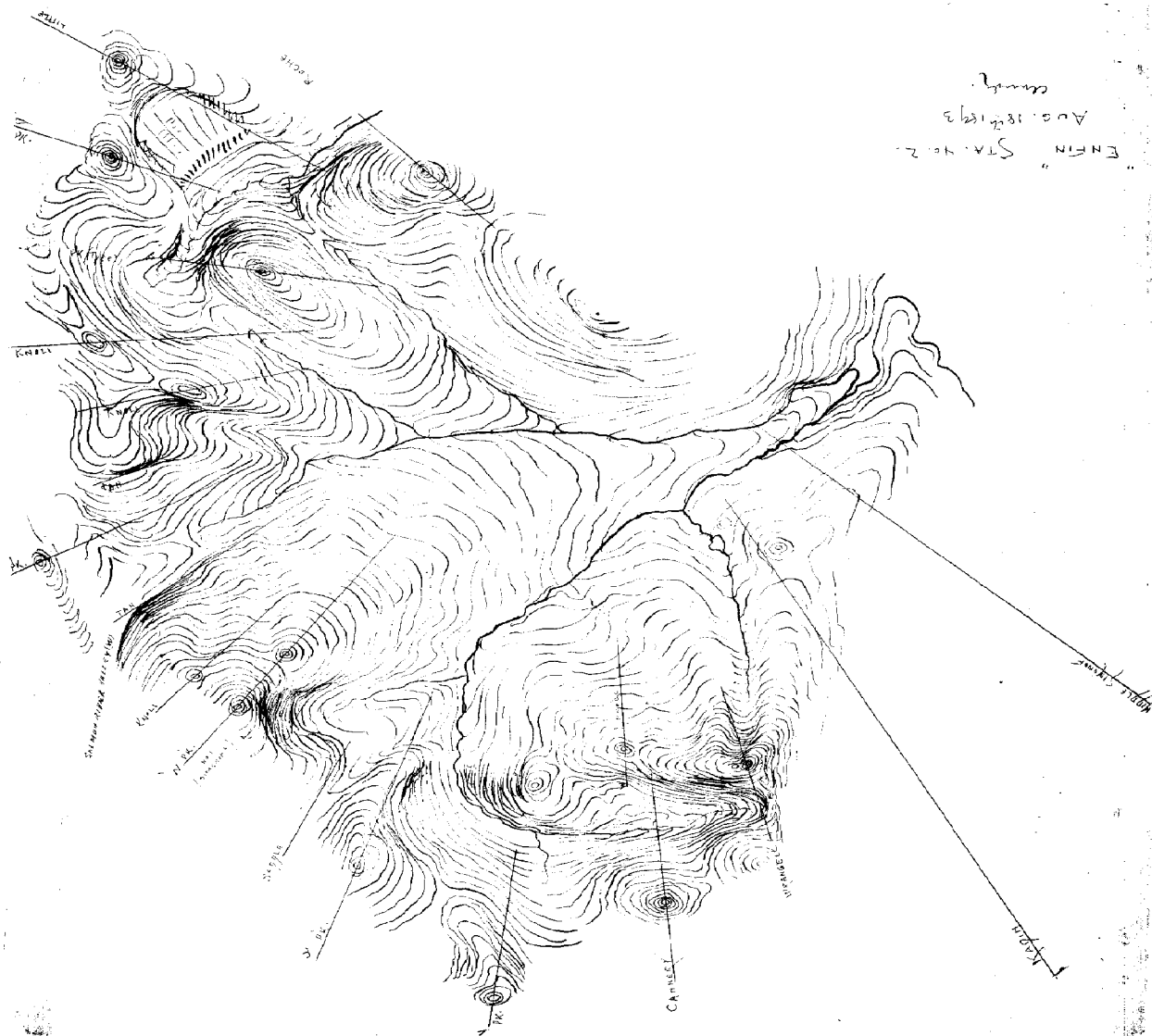


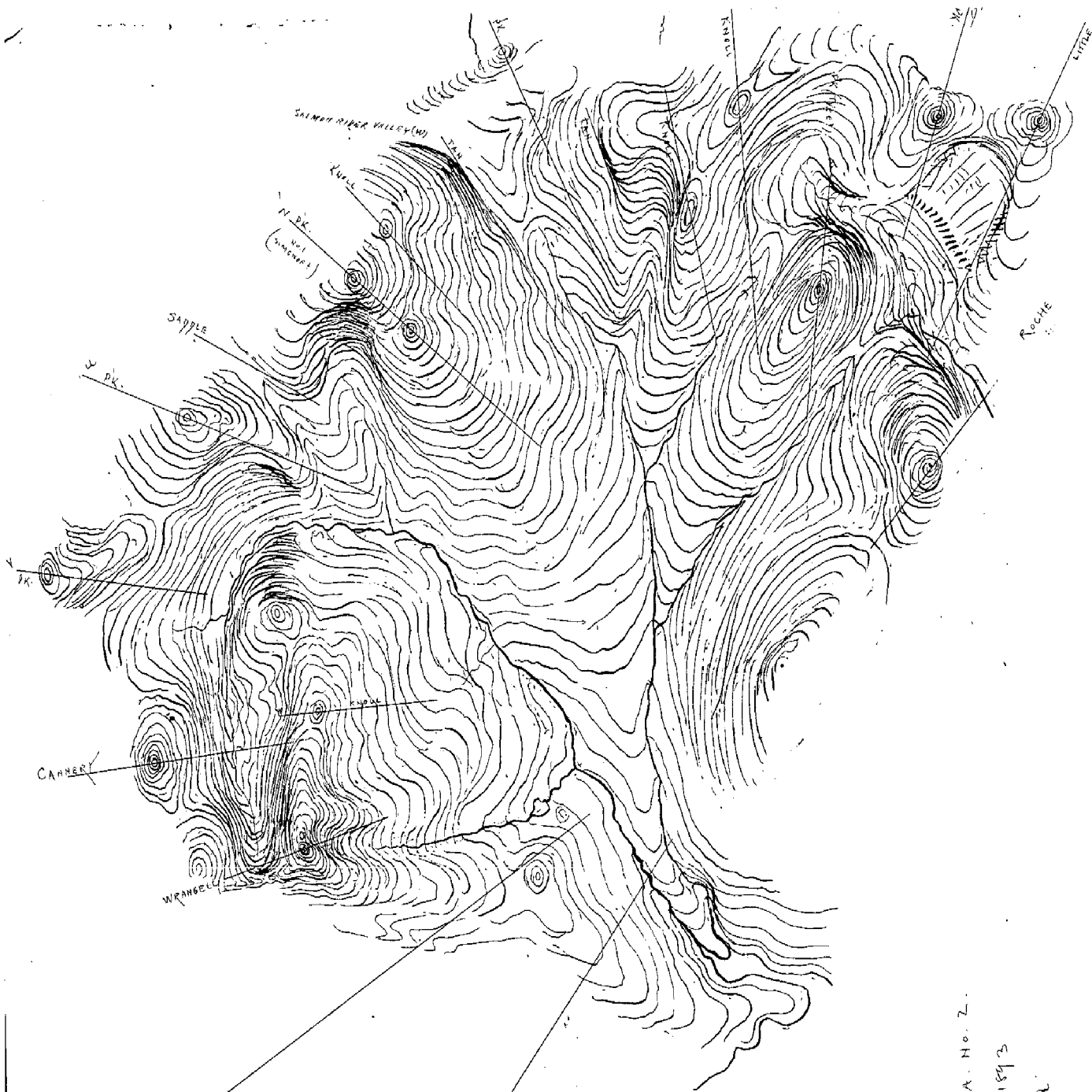




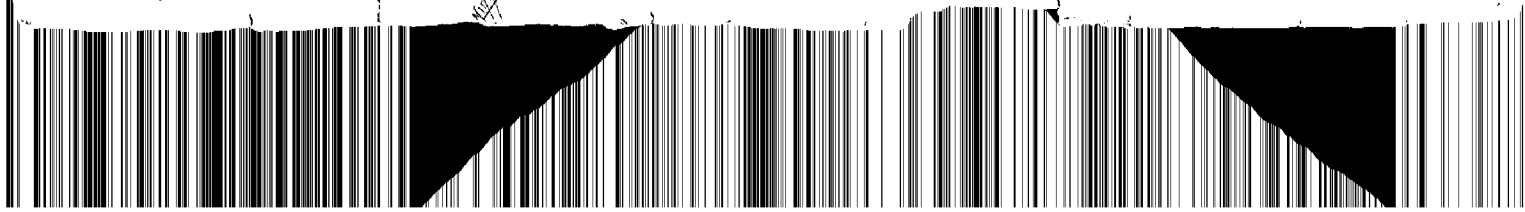
STA BUS 1
Aug 26 1983
Monday, 8/26/83
11:00 AM - 5:00 PM

ENFIN STA. 40.2
Aug. 18th 1893
Sunday.





"ENGIN" STA. No. 2.
Aug. 18th 1893
cloudy.



Station Rynda III
(VENN)

Summit
(Core)

Summit

Pk. 4500

Little Vespene

Pk. 4500

Pk. 4500

Summit - 3000

Pk. 4500

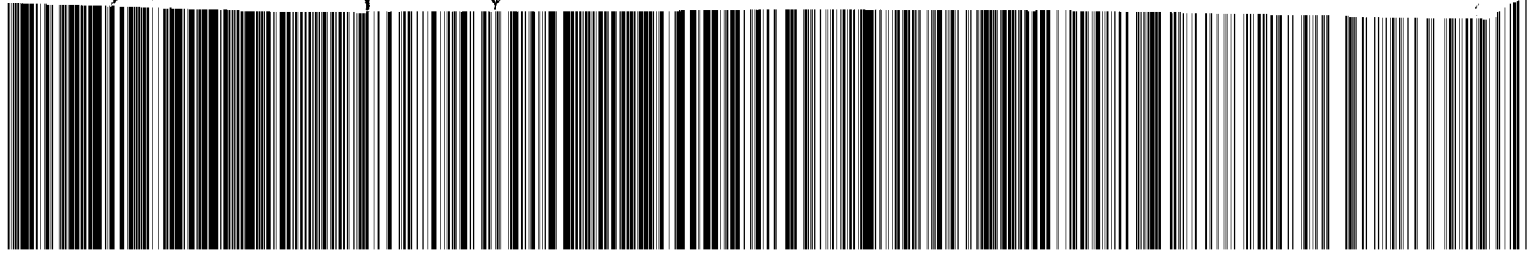
Pk. 4500

M. 100

No. 6

Summit

Summit





WITH STN. No. 3
 AUG 18TH 1893
 3 weeks with 10 days of rain
 Ch. E.

RYNDA

Kelly

IVENNI

WANGELL

FINN

CHUTE

PK.

(m/s) slope

Pk.

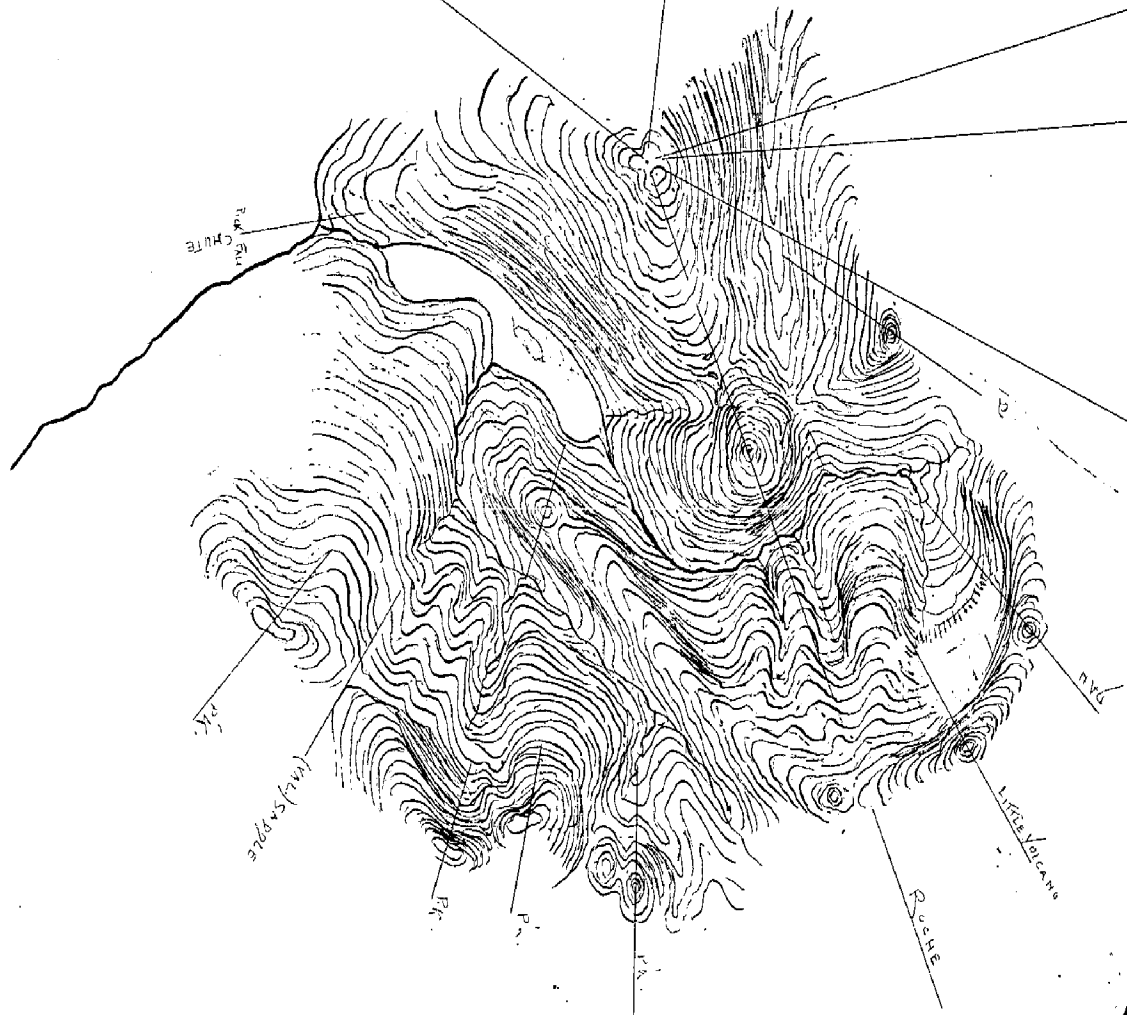
Pk.

Pk.

Roche

Little Volcano

Pk.



100 ft

100 ft

100 ft



SO OF THE STIKINE RIVER. —
1 : 200 000

