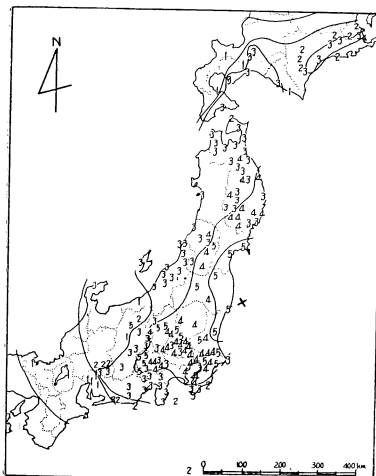


22. The East Off Fukushima Pref. Earthquake, 1938 (I)

(November 5th, 17:43. 37°06'N, 141°42'E,
r=472 km, M=7.8)



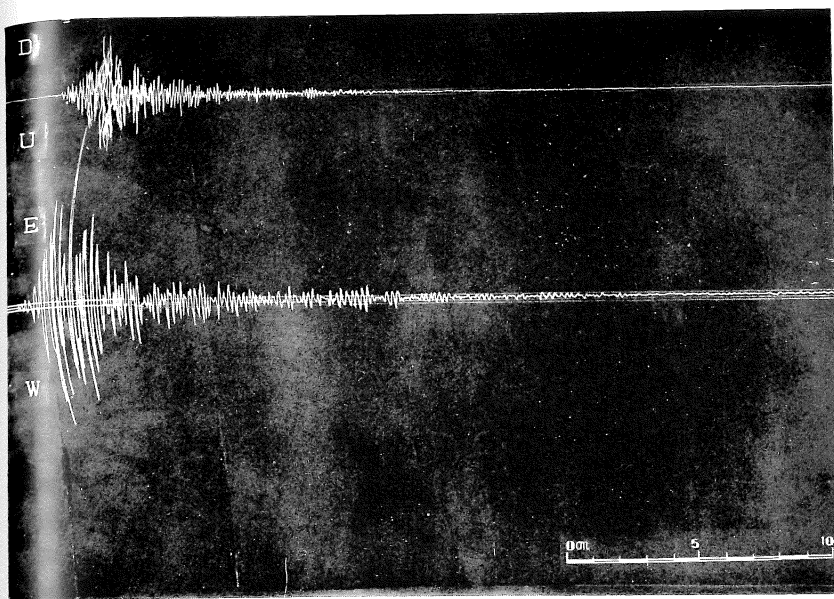
The shock is of a large magnitude but resulted in little damage in Fukushima Pref. involving 1 dead, 9 injured, 16 destroyed 71 partially destroyed houses, 4 small land slides, cracks of road, sinks of embankments and bridge pier along railroads.

A small tsunami after the shock happened with full amplitude of 107cm at Onahama.

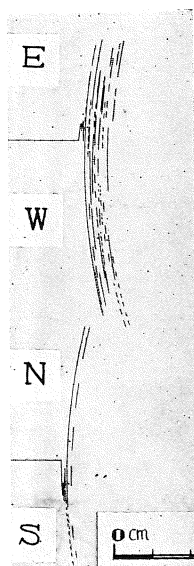
Seismographs

No. Fig.	Station	Int.	Inst.	Comp.	V	T	r	v	ps	No. m. f.
1	Sendai	V	S	{ N E V	2	4.0 4.0 2.3	0.006 0.003 0.036	2.0 2.0 1.3	20.0	245
2	"		P(O)						27.5	247
3, 4	"		W	{ N E V	55 68 64	7.5 7.2 5.0	0.021 0.018	4 5	31.2	214
5	Kakioka	IV	P	{ N E	50	3.5 3.8	0.01	1	28.5 27.0	210 272
6, 7	"		W	{ N E V	90 90 80	4.1 4.1 4.0	0.01 0.03 0.04	5	20.0 25.2	144 140
8	"		S	{ N E V	2	4.0	0.02 0.02 0.01	2	25.3	276
9	Tsukubasan	V	S						32.0	379
10, 11	"		W	{ H V					27.3 27.5	380
12	Mito	V	S						35.0	366
13, 14	"		W	{ N E V	113 108 96	4.6 4.5 6.6			16.0 25.5	365
15, 16	Maebashi	IV	W	{ N E V	92 94 73	4.4 4.6 4.6	0.02 0.01 0.02	4.8 4.8 7.2	29.3 28.5	373
17	"		S	{ E N V	2.0 2.2 1.6	3.0 4.0 3.1	0.06 0.03 0.04	1.6 1.4 1.8	25.5	371
18	"		P(O)						22.0	521
19	Kumagaya	IV	S		2				—	523
20, 21	"		W	{ E N V	80 77 51	4.0 4.1 3.9	0.02 0.03 0.02	3.5 4.2 4.2	24.8 26.0	369
22, 23	Yokohama	IV	W	{ H V	—	—	—	—	26.5 27.5	362
24, 25	Utsunomiya	IV	W	{ H V	71	4.2	0.07	5.7	30.4 27.9	126 375
26	"		S						—	374
27	"		W	H					29.8	126
28	"		P		50	3~4			23.5 22.6	375 530
29	Karuizawa	IV	P							
30	"		T	{ N E					25.5 23.5	525 107
31	Yamagata	IV	S(I)		2	5.1 4.9	—	—	20.5	524
32, 33	"		P(N)		50	5.8	0.02		25.0	106
34, 35	Funatsu	IV	W	{ H V	30	6.8	0.02		27.0 26.5	155 156

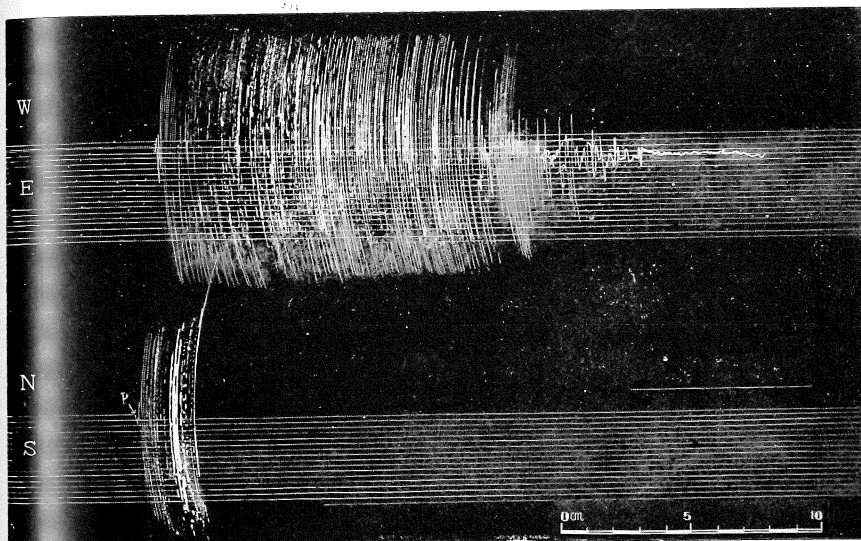
m : Fukushima, Inawashiro, Ishinomaai, Onahama



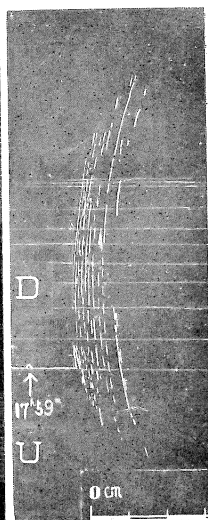
1. Sendai (S)



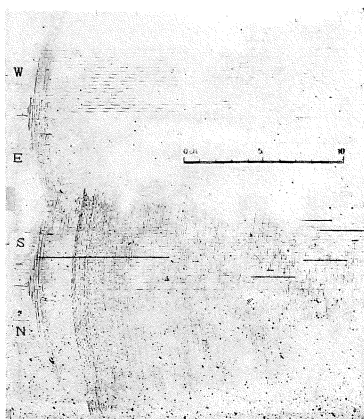
3. Sendai (WH)



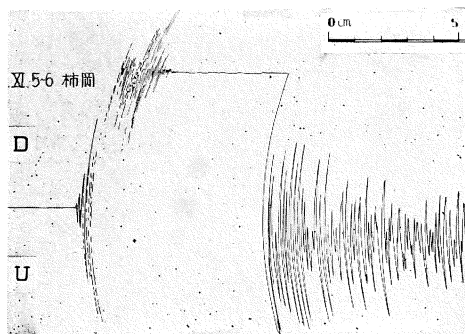
2. Sendai (P)



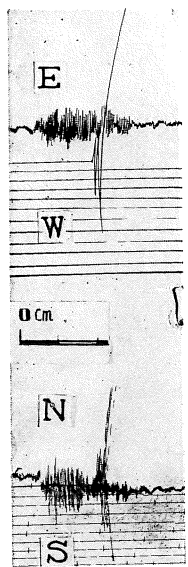
4. Sendai (WV)



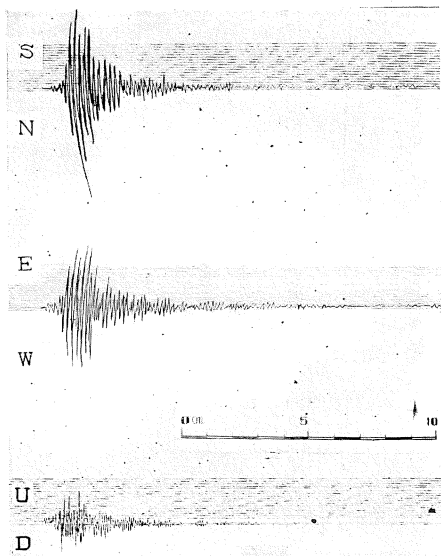
5. Kakioka (P)



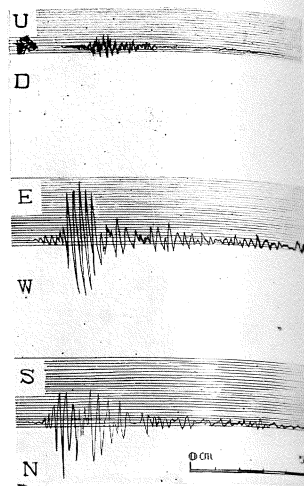
6. Kakioka (WV)



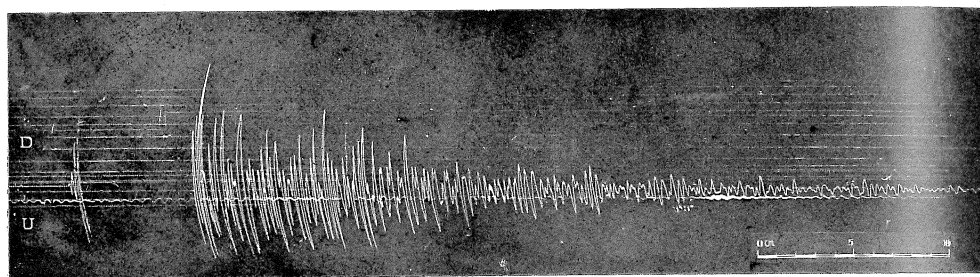
7. Kakioka (WH)



8. Kakioka (S)



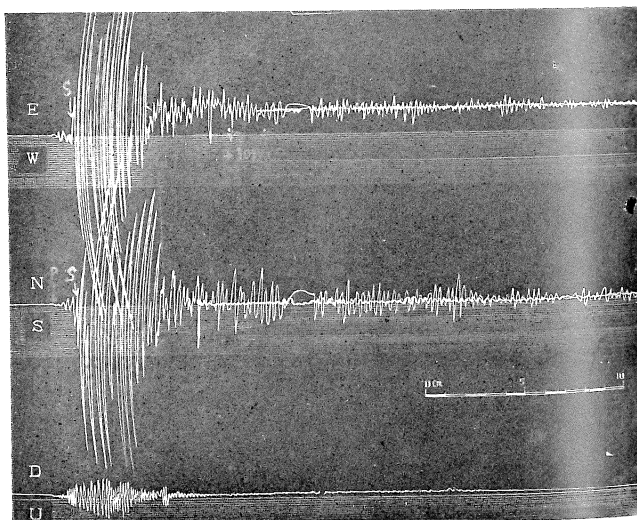
9. Tsukubasan (S)



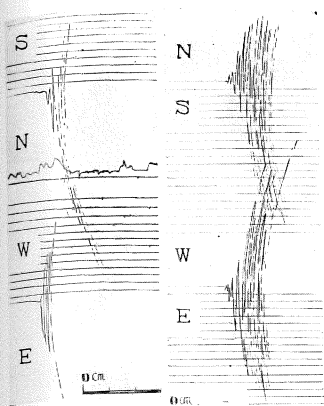
10. Tsukubasan (WV)



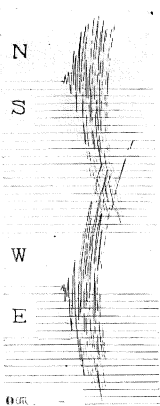
11. Tsukubasan (WH)



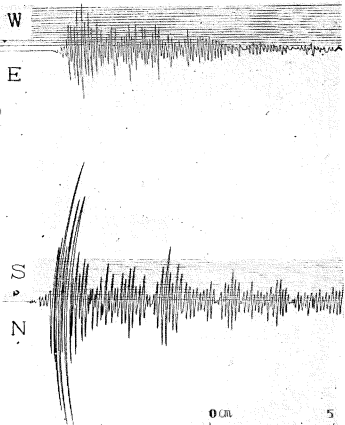
12. Mito (S)



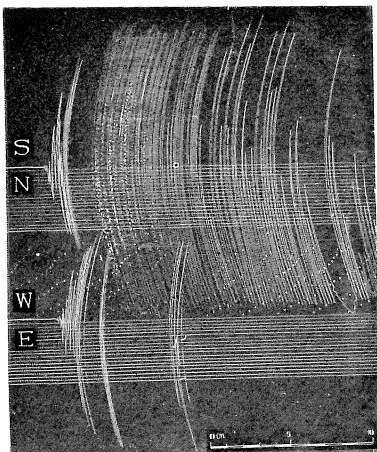
13. Mito (WH)



15. Maebashi (WH)



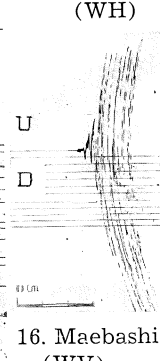
17. Maebashi (S)



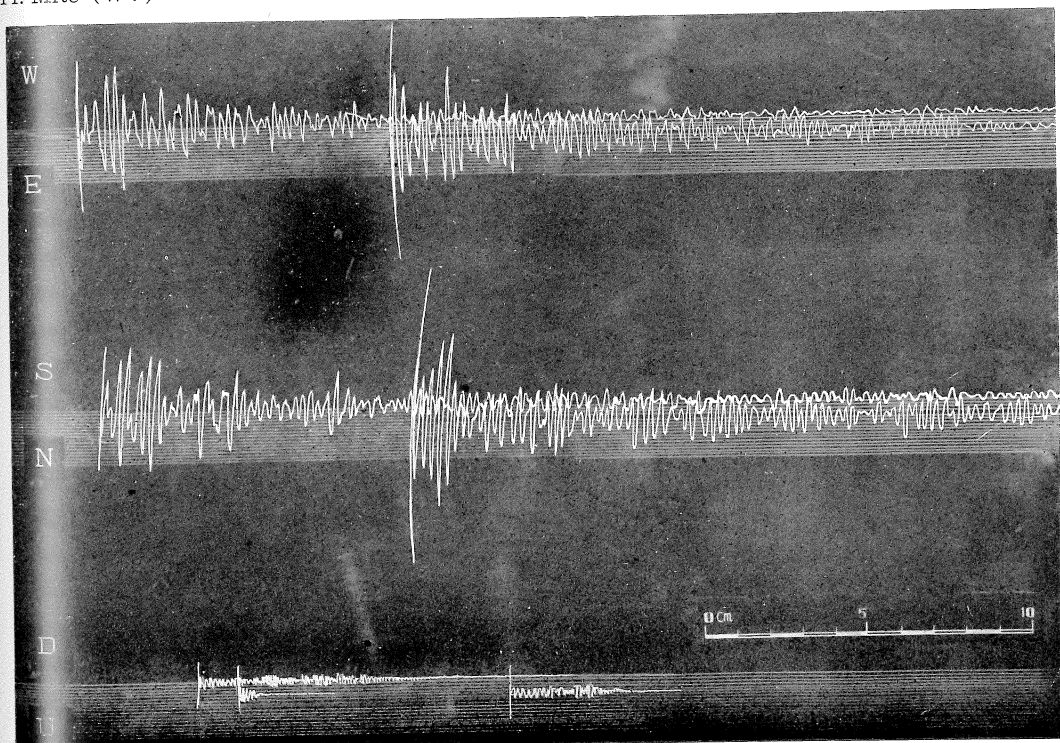
18. Maebashi (P)



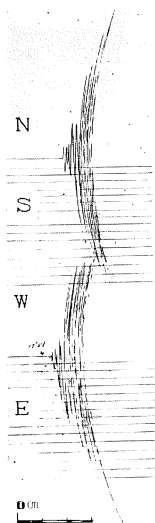
14. Mito (WV)



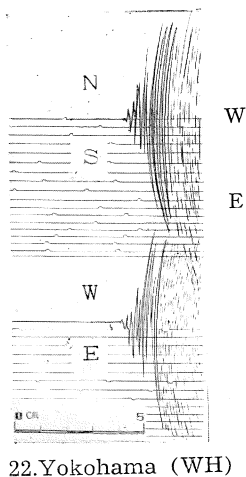
16. Maebashi (WV)



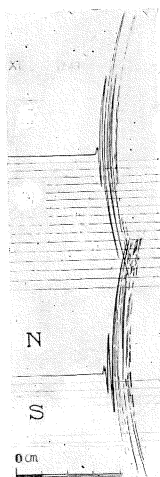
19. Kumagaya (S)



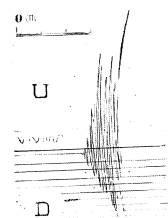
20. Kumagaya (WH)



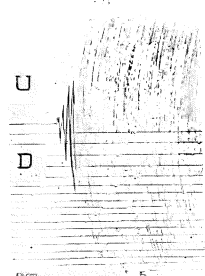
22. Yokohama (WH)



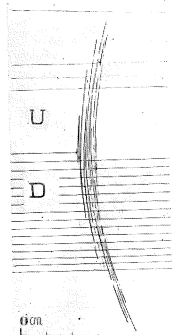
24. Utsunomiya (WH)



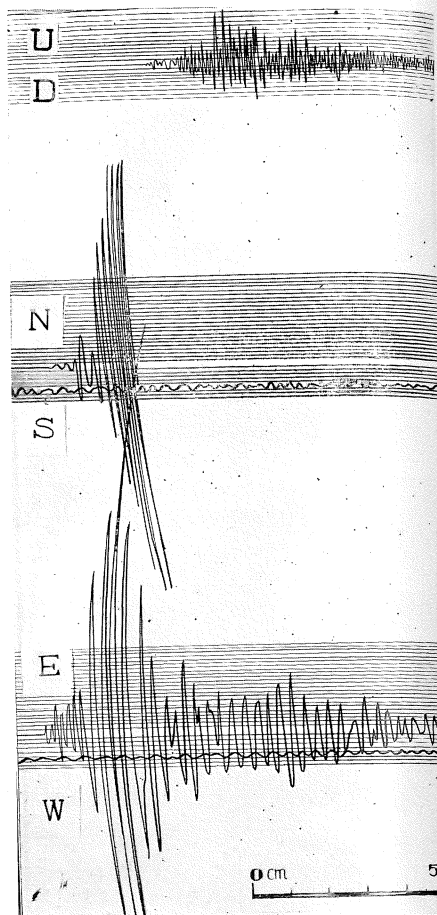
21. Kumagaya (WV)



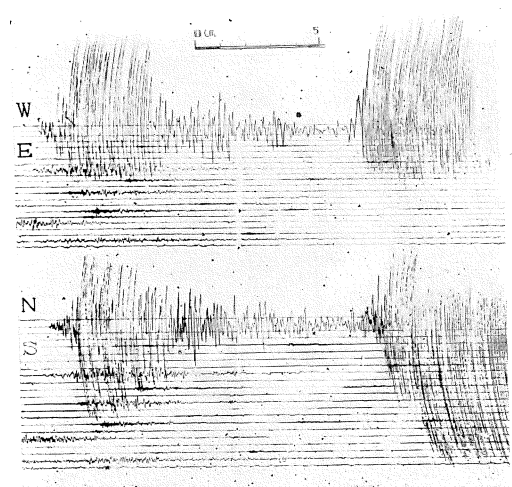
23. Yokohama (WV)



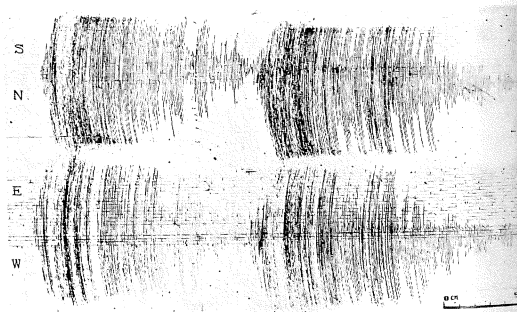
25. Utsunomiya (WV)



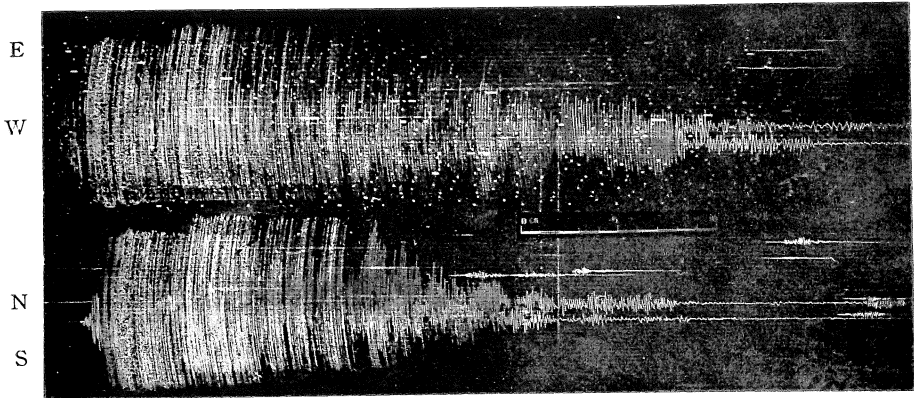
26. Utsunomiya (S)



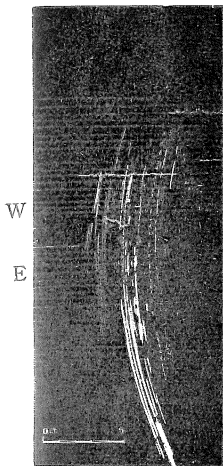
27. Utsunomiya (W)



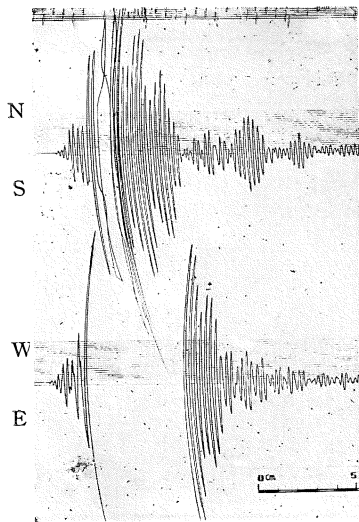
28. Utsunomiya (P)



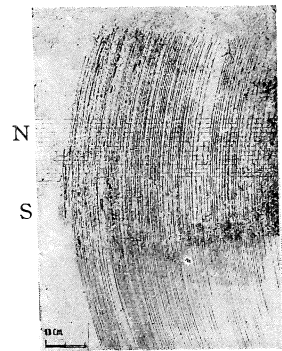
29. Karuizawa (P)



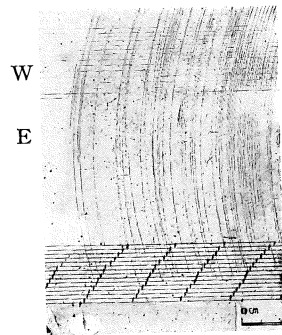
30. Karuizawa (TE)



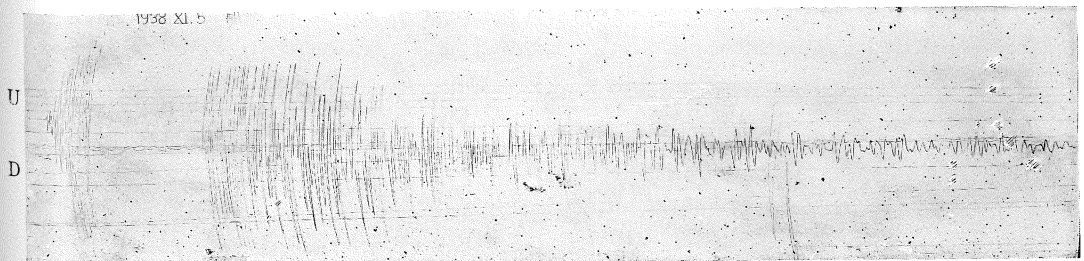
31. Yamagata (S)



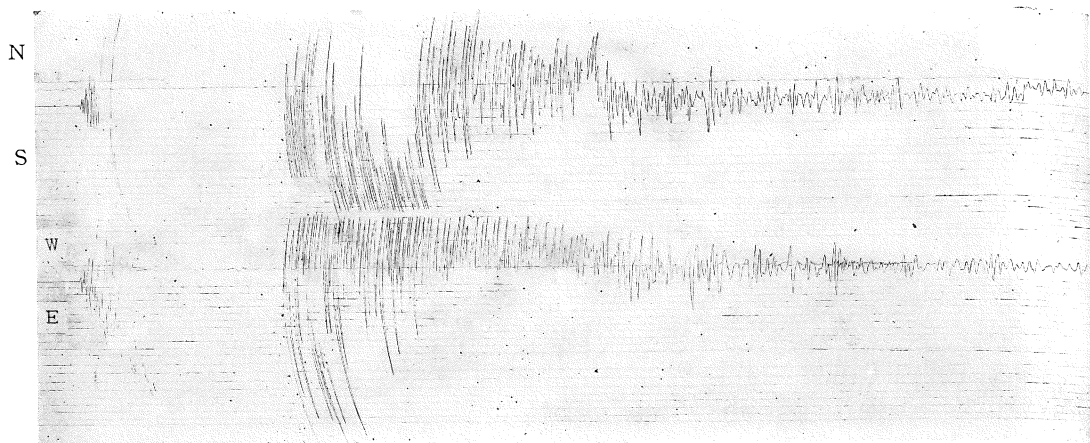
32. Yamagata (PN)



33. Yamagata (PE)



34. Funatsu (WV)



35. Funatsu (WH)