

## 56. 黒澤尻—秋田間水準測量成果

三陸地震(昭和 8 年 3 月 3 日)後施行せられたる釜石より黒澤尻に至る水準測量に  
引き続き、更に黒澤尻より、横手、刈和野等を経て秋田に至る水準測量も亦施行せられ  
たり。その結果によりて知られたる各水準點の垂直変動は此處に再録し、附圖に示す。  
尙之に關する要項下記の如し。

### (イ) 新舊測量の年次

	新測量	舊測量
黒澤尻—横手	1934	1898
横手—秋田	1934	1900

(ロ) 各水準點の変動量は、黒澤尻に於ける水準點交 5466 號の変動を -79.9 mm  
として算出せられたるものなり。

以上の水準再測量は、帝國學士院より本所寺田所員に提供せられたる獎學資金によ  
り遂行せられたるものなり。茲に附記して深甚なる謝意を表す。

昭和 9 年 11 月

地 震 研 究 所

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### 56. The Result of the Revision of the Precise Levelling along the Line from Kurosawaziri to Akita.

A revision of precise levelling was recently carried out along the line from Kuro-  
sawaziri to Akita by the Military Land Survey, as the result of which the vertical dis-  
placements of the bench-marks distributed along the line are obtained as shown in the  
plate.

The vertical displacements obtained are due to the time interval 1898~1934 for the  
bench-marks along the section Kurosawaziri-Yokote, and 1900~1934 for those along the  
section Yokote-Akita.

The vertical displacements of the bench-marks are measured as referred to B. M.  
J-5466, the bench-mark situated at Kurosawaziri, the height of which is regarded as has  
been changed by -79.9mm. in comparison with the height determined by the previous  
survey.

The present revision of the precise levelling was carried out by means of the research  
fund granted by the Authority of the Imperial Academy to T. Terada, a member of the  
staff of the Institute.

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Earthquake Research Institute.

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