Stress wave theory on piles

The 3rd International Conference on the Application of Stress Wave Theory on Piles will be held in Ottawa, 25–27 May 1988. The themes of the conference will include bearing capacity, dynamic methods in engineering practice, integrity testing, performance of driving systems, field monitoring equipment and theoretical modelling. For further information contact Mr S. K. Gulati, Piling Design Consultants, 37 Harley Street, London W1N 1DB. (Telephone: 01 636 1102; telex 957279 PDC G.)

Corrigenda

The in situ wedge shear test—a new technique in soil testing. T. Mirata (1974). *Géotechnique* **24,** No. 3, 311–332.

On page 315 the term $F_0 D$ should be added to the right-hand side of equation (9).

On page 317, equation (21) should read

$$\beta = \frac{\delta_{y0} - \Delta y_{MP} - \Delta y_P}{d_3 + \delta_{x0}/2} \text{ (radians)}$$

where

$$\delta_{x0} = \bar{u} \cos \alpha - \bar{v} \sin \alpha$$
$$\delta_{y0} = \bar{u} \sin \alpha + \bar{v} \cos \alpha$$

and d_3 is the distance between the single ball and the centroid O_1 of the initial shear plane.

The net result of these two corrections on the test results presented is to decrease the absolute value of β by an average value of about 0·3° at peak strength and about 0·7° at residual strength, and to increase the value of $\delta\sigma_N/\sigma_N$ by an average of about 10% (expressed as a difference).

On page 317, the first sentence of the second paragraph should read as follows.

Equations (1)–(5) remain unaltered except that θ should be replaced by $\theta + \beta$, u has to be replaced by $\bar{u}$ in equations (6) and (9)–(14), and the last expression in equation (9) has to be replaced by $\Delta y_{MP} - \bar{u} \sin (\alpha/2)$.

On page 328, Fig. 16, the following corrections should be made to the points representing residual strength.

(*a*) The point (0·151, 0·214) should have been labelled 1 instead of 4.
(*b*) The lower point marked 4 should have been plotted at (0·132, 0·171).
(*c*) The point marked 6 should have been plotted at (0·127, 0·161).

Centrifuge scaling considerations for fluid–particle systems. T.-S. Tan and R. F. Scott (1987). *Géotechnique* **37,** No. 1, 131–133.

The third sentence of the Authors' reply on page 131 should read as follows.

In the Paper, a few authorities for equation (22) and indirectly for Darcy's law in the form of equation (21) where h (dimensions of length) is the total head at a point in the fluid were noted.

On page 132, the penultimate sentence of the second paragraph should read as follows.
The terms L and γ_f in Roscoe's discussion are length and the unit weight of the fluid respectively.
The reference to Harr should be as follows.

Harr, M. E. (1977). *Mechanics of particulate media*, p. 93.
New York: McGraw-Hill.