such as the worship of ancestors, is one of the finest of the few which exist outside the Peiping Palace collections, and is otherwise remarkable in that it has four handles. It is highly ornamented with conventionalised designs including elephant heads and, possibly, stylised tigers. It has an inscription of sixty-nine characters, which is perfectly legible, though interpretations vary. The bowl would appear to commemorate a grant of land, for services rendered, to the Marquis Hsing by an emperor, conjecturally identified as Ch'êng (1115-1078 B.C.) The group of three painted bricks form a pediment which comes from a Han tomb. On them is a free and spirited symbolical design which is here interpreted as expressing the form taken by the Taoistic belief in life after death under that dynasty.

The Typhoon of September 21, 1934, in Japan

WHAT is described as the greatest typhoon on record struck the southern coast of Japan early on September 21. A week later, the Earthquake Research Institute sent several of its members to the district, and their reports on various features of the typhoon are included in a special volume of the Institute's Bulletin (Suppl. vol. 2, 302 pp. and 34 pls.). All the nine memoirs are written in Japanese, but, with two exceptions (mainly in tabular form), they are followed by summaries in English. The typhoon was generated at sea, in about lat. 11° N., long. 141° E., on September 13. It was then weak, and travelled slowly towards the north-west. A week later, near the Ryukyu Islands, its course changed to northeast. When it reached Sikoku, on the southern coast of Japan, its centre showed a pressure of 22.4 in., probably a record for land stations. The typhoon then passed over the adjoining districts, causing much damage to houses and trees, but it is worthy of notice that some earthquake-proof school buildings withstood a gale of 134 miles an hour. The main damage occurred in the coastal districts, and was due partly to the sea-waves, or kaze-tunami, raised by the typhoon and partly to a sudden rise of the sea that at Osaka ranged from 9.5 to 18.7 ft., and at Kobe from 5.8 to 6.5 ft. Among the causes of this abnormal rise, Mr. R. Takahasi includes a suction-like action on the sea-water due to the low pressure in the centre of the typhoon-path and the drift of the water to the coast by the force of the winds. Farther on, the typhoon passed over Lake Biwa, generating seiches with amplitudes of 10 in. and a rise of the same amount in the northern half of the lake, due again to the drift of the water. Even in the neighbourhood of Tokyo, the sea-level rose by about 4 ft.

British Association Seismological Committee

DURING the past year, the Committee has lost two of its members, Sir Horace Lamb and Prof. H. M. Macdonald. Two former members, Sir Alfred Ewing and Sir Arthur Schuster, also died since the last report was issued. The year has been marked by the publication of some important memoirs by members of the Committee. Two of them are on microseisms by Mr. A. W. Lee, who has shown that the average amplitudes of the east and vertical components of the microseisms recorded at Kew in 1932 were equal. and that microseisms usually approach England from the north-west, and are associated with storms in the Atlantic. A valuable memoir on the times of transmission of earthquake waves by Dr. H. Jeffreys and Mr. K. E. Bullen has been published by the International Seismological Association (Trav. Scie., Sec. A, Fasc. 11; 1935), the inclusion of the summaries for individual earthquakes having been rendered possible by a grant from the Gray-Milne fund. A new catalogue of earthquakes, for the years 1925-30, has been prepared by Miss E. F. Bellamy from the International Seismological Summary. The form is the same as in the earlier number for 1918-24, edited by Prof. Turner, of which it is a welcome and very useful continuation. The International Seismological Summary for the first quarter of 1931 is in the press.

River Dee (Aberdeenshire) Flow Records

THE private organisation under the direction of Capt. W. N. McClean, known as River Flow Records, has continued its survey of the River Dee, undertaken in connexion with the British Association meeting at Aberdeen in September last year, and has recently issued two sheets of diagrams covering the period January-June inclusive of this year. together with an explanatory memorandum which states that the diagrams represent readings of waterlevels and river flows from a catchment area of 528 square miles, and that they include meteorological records of rainfall, temperature and wind over the same district. As the result of the study of these observations of the Dee area, which have now been kept for a year and a half, it is found that in a comparison of rainfall and run-off, the former is underestimated. There is no actual measurement on the high mountains, and it may be said that rainfall measured in a rain-gauge is generally under-estimated; so that rainfall is admittedly only an approximation, whereas the measurement of flow by means of 'the most perfect apparatus existing in the country' is comparatively accurate. In the six months' period, the net aggregate of storage and run-off has reached just less than 19 in, out of a gross rainfall of $22\frac{1}{2}$ in.

Electric Progress in Palestine

LORD READING, the chairman of the Palestine Electric Corporation, said at the annual general meeting on September 5 that electricity has played a leading part in the rapid economic development of Palestine. Last year the Corporation's revenue increased by 64 per cent, and 13,460 new consumers were connected. The generating plant now exceeds 40,000 kilowatts, and the existing transmission line from the first Jordan power house to Tel-Aviv will, at the present rate of growth, soon become inadequate to meet the consumers' load. Hence, a 12,000 kw. turbo-generator with the requisite boiler plant, transformers and switchgear has been ordered, and a second 66,000 kilovolt-transmission line will be