report which appears in The Times of September 3. A stepped stone plinth, five feet square, in the centre of which there still remains in situ the base of a column of Purbeck marble, 1 ft. 3 in. in diameter, has been found approximately in the centre and in contact with the eastern face of the outer wall of the temple. The steps on the southern face of the plinth still retain portions of the original plaster, and on one fragment of the latter there are faint traces of colour. It is suggested that the column and plinth may be the surviving evidence of an altar which once faced the entrance of the temple. Flanking the plinth to the north and south, at approximately 11 ft. from the north-east and south-east corners of the outer wall respectively, are remains of packed rubble foundations, on which may have stood plinths of a similar nature to that which has been discovered facing the main entrance. At present, owing to their mutilated condition, and until further examination has been made, any conclusion would be premature. The drastic manner in which the temple was destroyed ultimately is, it is pointed out, indicated by the fact that only in the south-east corner of the wall of the cella does any portion of the original construction remain.

Funds for Archæological Exploration in Britain

SIR FREDERIC KENYON, in his first presidential address to the Society of Antiquaries of London, which now appears in full in the Antiquaries Journal, 15, 3, stresses the difficulties which beset archaelogical excavation in Great Britain through the lack of men and money. Of the two, he feels constrained, and rightly, to lay greater emphasis on the latter. Few archæological excavations, he points out, are, like Verulamium, able to 'live on the country' and rely for any considerable proportion of their cost on a constant stream of visitors. Probably most excavators would regard such a solution of their difficulties as something of a calamity, in view of the constant interruption of their work. In the report of the Council, appearing concurrently with the presidential address, an appeal is made for support for the Society's Research Fund, which at present is not adequate to permit subvention of local funds by any amount which is more than an expression of goodwill. The Society is also faced for some time to come with responsibility for the excavation of Maiden Castle at Dorchester. Archæological exploration on any considerable scale is an especially expensive form of scientific research, and is usually beyond local resources. Sir Frederic suggests that the difficulties of the present situation might be met by the formation of a central fund, administered by such a body as the Society of Antiquaries through the machinery of the Congress of Archaeological Societies. If this suggestion were adopted, it need not interfere with local interest, but should rather serve to stimulate it. It would also help to co-ordinate archæological research-a matter of no little moment; but not the least advantage it offers is that it would facilitate prompt action when, in these days of rapid development for building, it might be urgently necessary immediately to follow up some chance discovery.

International Congress of Pre- and Protohistoric Sciences

THE Second International Congress of Prehistoric and Protohistoric Sciences, in accordance with the decision taken in 1932 when the first session was held in London, will take place at Oslo in 1936. The Congress will meet early in August. Invitations and a preliminary statement are now being issued by the organising committee in Norway. The president will be Prof. A. W. Brøgger ; and Juhs Bøe, Sigurd Grieg and Prof. J. L. Myres will act as general secretaries. The subscription has been fixed at 25 kr. for members and 12 kr. for associates. Enrolments and subscriptions should be addressed to the Bureau of the Congress, Universitetets Oldsaksamling, Oslo. Those who wish to contribute to the proceedings are requested to inform their national representative on the Conseil Permanent before March 1, 1936, and to forward an abstract of their communication to the organising committee before May next. The representatives of Great Britain on the Conseil Permanent are Prof. J. L. Myres, Sir Charles Peers and Prof. V. Gordon Childe (University of Edinburgh), and Mr. C. E. P. Hawkes (British Museum, Bloomsbury, London, W.C.1), secretaries. The organising committee announces that communications dealing with the topics which have been selected for discussion, as mentioned below, will be especially welcomed.

On broad lines the arrangement of the proceedings will follow that of the London congress, when the members met in five sections, dealing respectively with human palæontology and the evolution of prehistoric man, the stone and metal ages in the ancient world and as found elsewhere, and the transition from prehistoric to historic. Special attention will be given to the discussion of certain Scandinavian problems in relation to the prehistoric archaeology of Europe and the ancient world at large. The topics proposed, which were approved by the Conseil Permanent at Berne in December last, are : the excavations on stone age sites in Finmark of the last ten years, rock engravings in Norway and elsewhere, the Iron Age farms of Norway, the history of Teutonic art forms in the fifth and sixth centuries, and the textiles of Oseberg. It is possible that the domestic animals of prehistoric times and the origin of the runic alphabet may also be included, but this question has yet to be decided. The organising committee is anxious that problems arising out of these subjects should be discussed as thoroughly as possible on broad lines.

Co-operative Buying

It is now generally recognised in large-scale business that considerable economies can be obtained through the establishment of a central purchasing department, and in the Second Report of the Committee on the Standardisation and Simplification of the Requirements of Local Authorities (H.M. Stationery Office. 6d. net), a similar policy is urged on local authorities. The larger local authorities are recommended to co-ordinate the buying of their various departments while smaller authorities are advised to co-operate with other similar authorities or with larger neighbours. Coordinated or co-operative buying is, however, of much reduced value if it is not preceded or accompanied by a fair measure of standardisation and simplification whereby unnecessary variations of type, size and quality can be eliminated. Already the County Councils of Kent, London and the West Riding of Yorkshire have adopted complete centralisation of the buying functions in a supplies department which is independent of other departments ; while the City Councils of Birmingham, Liverpool and Manchester have partially centralised the buying functions in those departments which are the largest users of the particular commodity. Manchester City Council saved £17,000 in 1933-34 by determining the best grade of fuel for the heating apparatus at its institutions (thereby halving the number of grades in use), and buying its fuel in bulk and by specification. The Committee strongly emphasises the point that bulk purchase if it is accompanied by standardisation and simplification enables better goods to be bought with less money, but that bulk purchase cannot be operated with maximum success unless the requirements of the buying unit are large enough to command largescale buyers' terms and to employ experienced staff.

Influence of Industrialism on Mortality in Japan

IN a recent report of the Institute of the Science of Labour, Kurasiki, Japan (No. 29: (1) Sex-Ratio in the Population of Japan Proper; (2) The Influence of Industrialism upon the Mortality of Young People and Adults. By Dr. Sinzi Katuki. Pp. 30. Kurasiki : Institute for Science of Labour, 1935. 60 sen), Dr. Sinzi Katuki writing on the influence of industrialism upon the mortality of young people and adults shows that there is in Japan a close correlation between the female death rate in the age group 15-44 years and the rate of migration from the rural to the industrial areas. The death rate among women workers exceeds that of males in every industry except mining. Dr. Katuki concludes that these facts suggest the grave responsibility of industry for the heavy death rate of Japanese girls and young women, since in Europe and America, although employment of women is extensive, the female death rates are much lower than in Japan, absolutely and relatively to the male death rates. It would therefore seem that the high death rate of Japanese women in this age group is the result not of industrial labour in itself but of the bad conditions under which it is carried on and the insufficient protection of female workers. Recent statistics show a remarkable increase in the industrial occupations of women in Japan. Whereas formerly the great majority of women engaged in industrial employment regarded it merely as preparatory to marriage or only as a subsidiary means of subsistence, it has now frequently become their permanent and essential means of livelihood.

Synchronisation of Radio Stations

THE effect produced when a wireless set receives two different programmes on the same wave-length, although the stations may be widely apart, is sometimes called 'radio hash' in the United States. The Federal Communications Commission spaces two stations producing the same wave-length as widely apart as possible, but according to a report issued by Science Service, Washington, D.C., the whole country is spotted with these 'hash' or interference areas. In the June number of *Electronics*, the editor of which, Dr. C. H. Caldwell, was formerly a radio commissioner, a method of synchronising several stations on a given wave-length is described and thus space could be saved in the broadcasting spectrum. If the plan were carried out, no less than 1,527 radio stations could be constantly working in the present 106 channels. If all the stations, on a great nationwide 'chain programme', broadcast only on three adjoining channels, 750, 760 and 770 kilocycles, for example, then it is only necessary to turn on one of these to get the corresponding programme. If one turns to other wave-lengths, then other chain programmes are obtained. In addition, low-powered stations, one kilowatt, for example, could be working -twelve to a broadcast channel-throughout the These programmes would be sharply country. differentiated from the 'chains'. Ten channels would be allotted to Canada, Mexico and Cuba, all of whom are asking for more space on the ether. For the American farmers there would be seven channels for superstations up to 2,000 kilowatts, so that every farmer, however remote, could hear. The 1,500 new stations could be heard with less interference than the few hundreds they would displace.

Express Highways in Germany

GOOD progress is being made in the construction of express highways (autobahnen) in Germany. An article in Roads and Streets gives an illustrated description of some of these highways and incidentally gives a photograph of part of an old Germanic plank road, built about 1000 B.C. and excavated a year ago at Bremen. The first 1,000 miles of the express highway has been completed. Most of it consists of a lawn strip 15 feet wide bordered by traffic lanes 25 feet wide on each side, the sides of the whole road having 'shoulders' sloping upwards. Trees and shrubbery are planted on the centre strip and on the shoulders. The shrubbery in the centre strip protects the driver largely from the glaring headlights of cars travelling in the opposite direction. Densely wooded areas are relieved at intervals by small clearings giving views of distant landscapes. There are no crossings, viaducts or subways being provided so as to permit continuous and fast travel. Twelve of the German universities have laboratories for testing road building material. At Braunschweig there is a test track about 1,000 feet in diameter where tests are carried out on different types of surfaces under traffic conditions. The effects of the velocities of the vehicles on different types of tyres and the abrasion of the roads are all studied practically. The testing of materials for the eastern section of Germany, which is separated from the rest of Germany by the Polish Corridor, is done in the Free City of Danzig. It is hoped that the political difficulties which this Corridor will present to through traffic will soon be overcome.