two shadows; if the patient sees it double it is a proof that the foreign body lies outside the globe. (This assumes that not more than one foreign body is present in the globe.) A damaged area in the retina is recognized by the patient as a black spot. The blind spot can only be recognized by using weak X-rays; with rays of the ordinary strength its presence is lost in the brilliant field of illumination just as the stars are invisible when the sun is overhead.

The field of vision can be mapped out by using the grid; and this obtains in cases with dense opacity in the media.

When a solid spinning-wheel provided with a single hole is looked at by this method the individual flashes of the X-ray tube can be seen, but the impression gained is that the wheel is rotating in a direction opposite to its real motion.

There would appear to be a distinct field of usefulness in ophthalmology for this addition to our armamentarium.

INTERNATIONAL OPHTHALMOLOGICAL CONGRESS
Madrid, April 16-22, 1933

The National Committee of the International Ophthalmological Congress at Madrid have hired the Palace Hotel in which all the official meetings will take place. The Management of the Hotel are giving special terms to members of the Congress; single rooms, with private bath-room, from 22 ptas. for an inside room to 35 ptas. for an outside room. Double rooms from 32 to 60 ptas. The meals will come to a total of 25 ptas. with 10 per cent. for service added to these rates. The present value of the peseta is 41 to the £. We understand that numerous reservations have already been made.

The first-class return fare to Madrid by Paris and Irun is £17 guineas, and for second-class £13 5s. 11d. In addition, there will be the cost of reservation of seats in the pullman or in the Golden Arrow, and the price of sleeping-berths—first-class Paris to Irun £3 7s. 2d.; second-class £2 11s. 4d. The total cost, therefore of the first-class return ticket with sleeping berths will be approximately £27 and of the second-class return ticket £20. Arrangements are, however, being made to secure special reduction of these rates on production of vouchers. The amount of this reduction has not yet been definitely ascertained, but the Southern Railway and probably the other British railways will reduce their return fare to approximately a fare and a third, on production of a voucher, and the French and Spanish railways have agreed to a reduction of 40 per cent. It is not yet certain whether that reduction will be available by the trains de luxe.
In many cases, the reduction only applies on the French railways to the ordinary trains and not to the trains de luxe. The best service leaves London at 11 a.m., but there may be some alterations in the times after April 5. The connection leaves Paris (Quai d'Orsay) at 8.40 p.m., reaching Irun at 9.15 a.m., and Madrid at 8 p.m. on the evening of the second day, if travelling by the Golden Arrow and the Côte d'Argent from Paris. Sleeping cars are available from Paris to Irun.

Intending members who have not yet entered their names are requested to do so at the earliest possible opportunity to Dr. F. Poyales, Olózaga 3, Madrid.

Since writing the above, Mr. Leslie Paton has received the following letter from the Continental Traffic Manager of the Southern Railway, which he asks us to insert:

"With reference to your letter of the 12 inst., I have been in communication with Madrid regarding the International Ophthalmological Congress, and we are hoping to concentrate any traffic from Great Britain into a party and so take advantage of the maximum reductions available over the various Railway Administrations.

Mr. Bosch, Manager of the Spanish Tourist Service of Messrs. Pickfords, Ltd., has taken the matter specially in hand with a view to centralizing the traffic, and, at present, the proposal is that a party should leave London on either Wednesday, Thursday or Friday, April 12, 13 or 14, for Madrid, travelling from Victoria by the 9 a.m. service via Folkestone-Boulogne, connecting in Paris with the train leaving the Quai d'Orsay at 19.22.

From the Provinces to London, tickets at the single fare and one-half for the return journey, available 30 days, will be issued to those holding the tickets from London to the Continent."

ABSTRACTS

I.—OPTICS AND REFRACTION


(1) These papers deal with a subject which may have an important bearing on cases of otherwise inexplicable asthenopia. If there be a difference in the size and/or shape of the ocular images in the two eyes, discomfort may result. Such a difference may be