

What to see at Olympia.—

THE potential purchaser of a loud speaker at Olympia this year will not have an easy task. That is not to say that he will have any difficulty in finding the right type at the price he is prepared to pay; his embarrassment will arise rather from the extraordinarily wide range of makes offering apparently equal value as regards performance and price.

The past few months have produced an enormous increase in the number of small permanent-magnet moving coils, and this will undoubtedly be the predominant type at the Show. Small energised moving coils have also experienced a minor revival, but the majority

LOUD SPEAKERS

ing at 27s. 6d., complete with 3-ratio output transformer, and the "Challenger" and type 100 chassis are being continued.

The Epoch model A2 has been considerably increased in sensitivity, and the revised edition of the 20C model will also be shown at a reduced price.

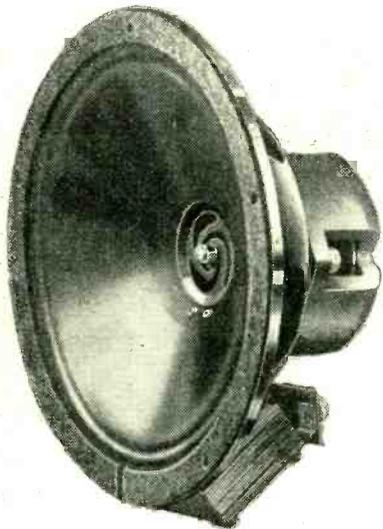
The Igranic permanent-magnet moving-coil chassis is now fitted with the latest type of two-claw magnet, and, together with 2-ratio output transformer, will be available at 32s. 6d.

A very neat and efficient loud speaker in cabinet form known as the "Permag" will be one of the principal exhibits in the stand of Baker-Selhurst Radio. This model is fitted with an output transformer of unusually generous proportions; and is capable of handling inputs up to 3.5 watts without distress.

The British-made "Motor" loud speakers are being shown on the stand of Electrical and General Distributors, Ltd., and the standard

nated the LS7 will be shown in redesigned form, and will be known in future as the "Universal" model.

The model 99PM, to be shown by the British Blue Spot Co., Ltd., is a robust instrument



Celestion PPM "Soundex"

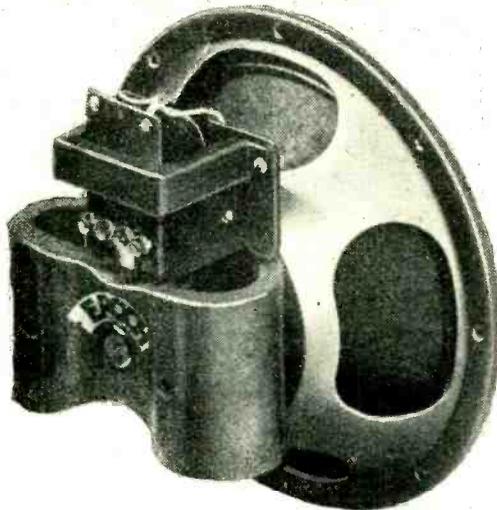
of the new season's models have been designed for use in sets where the field coil forms part of the smoothing circuit.

Comparatively speaking, the balanced-armature moving-iron loud speaker and the high-grade moving coil have been neglected, but it is gratifying to note that the few new examples which have appeared are of more than usual merit.

SMALL P.M. MOVING COILS.

The Celestion range of permanent-magnet moving-coil loud speakers for the coming season is unusually comprehensive. It is known as the PPM series, and the standard PPM model is being continued at 47s. 6d. A less expensive version of this model, known as the PPM9, will be shown, and the smallest of the series is the PPM "Soundex," which costs 27s. 6d. All these models are supplied with the new Celestion "Hylflex" diagram, and are fitted with a tapped output transformer.

Reproducers and Amplifiers, Ltd., will be showing an entirely new "Midget" model, sell-

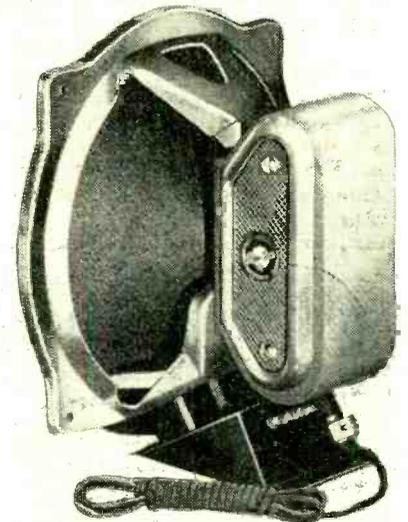


Epoch type 20C permanent magnet unit.

permanent-magnet model will be fitted with a 9 per cent. cobalt-steel two-claw magnet and a 7in. moulded cone. There is also a "Minor" model which will be supplied in a leatherette-covered baffle box.

H. Clarke and Co. (M/c.), Ltd., who are well known as manufacturers of eliminators and mains equipment, have entered the market with a permanent-magnet moving-coil unit which will be available both in chassis and cabinet form.

On the H.M.V. stand the efficient small permanent-magnet loud speaker previously design-



Blue Spot model 99PM.

fitted with a 1-ohm moving coil and is capable of handling 3.5 watts. A two-claw magnet with cadmium-plated poles is employed, and dust is excluded by end cheeks of "Milam" moulded material. An output transformer suitable for triode or pentode valves is included.

Ferranti, Ltd., are producing a new model M4. It will be fitted with a built-in output transformer, and it is anticipated that the price will be about £2 10s. The existing M1 and M2 loud speakers are being continued, and the latter will be available with an output transformer.

SMALL ENERGISED MOVING COILS.

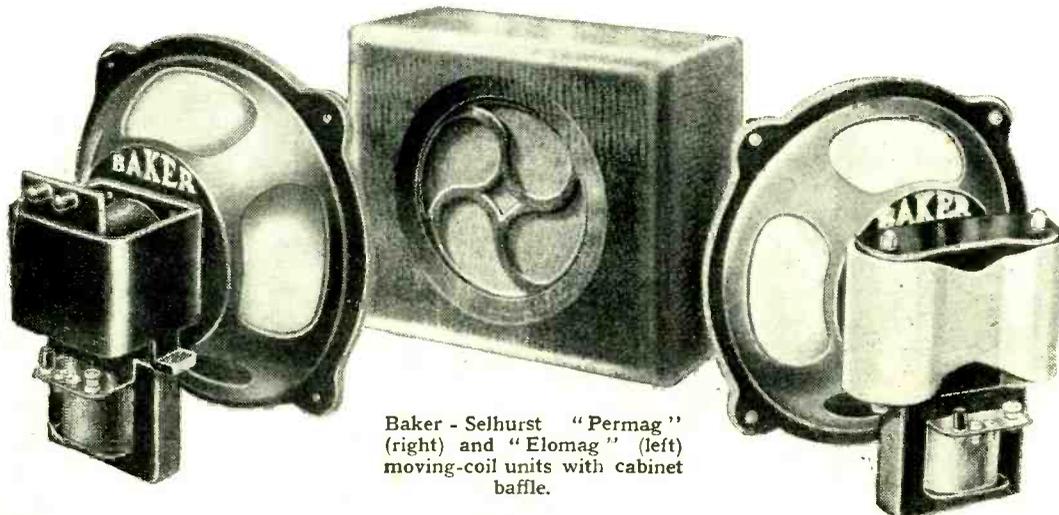
The majority of loud speakers in this category have been designed primarily for use in A.C. sets where the field winding forms part of the smoothing circuit, and in many cases a special balancing winding known as a "hum-bucking" coil is coupled to the field winding and connected in series with the moving coil to cancel out residual mains hum.



Clarke "Atlas" P.M.M.C.

The British Rola Co., Ltd., will be showing a very comprehensive range of loud speakers of this type. They will be divided into three main groups: Type F5, with 6in. diaphragms, Type F6, with 7½in., and Type F7, with 9in. diaphragms. All will be fitted with universal output transformers, and field windings of the following resistances will be available: 8, 2,000, 4,700, and 6,500 ohms. A permanent-magnet version of each type will also be shown.

Whitely Electrical Radio Co., Ltd., who have hitherto concentrated on small permanent-magnet moving coils will be showing for the



Baker - Selhurst "Permag" (right) and "Elomag" (left) moving-coil units with cabinet baffle.