It pursues of the direction of the Problem and Consol of the Regular of London (1988). Besides of London (1988) were the human to ferovary und the assumed pure, high oppose and Report must be the London (1988) which was also depending of the Roschis (1988) and the Roschis (1

Magnitude that its manifold yet high importance to the advancement of the actions of Tocrestic Magnitude to their own changes should be taken of a missinglatude or spectrum of the according to compete the second of the control of the second c

will be afforded in executing, or procuring to be executed, such observations, and communicating their results and details to the Royal Society, through the medium of their Foreign

The general tonor of those observations is sufficiently indicated in the Report amenced, but a more particular programmes of them will be forwarded to you as soon as the details are sufficiently natured to admit of its printing and circulation: but it may here be noticed that one essential feature of them will consist in observations to be made at each station, in conformity with the system (so so for a supplicable) and at the times already agreed on by the German Magnetic Association, either as they now stand or as (on communication) they shall, by mutual consent, be modified.

A series of meteorological observations subordinate to, and in connexion and co-

extensive with, the magnetic observations, will be made at each station.

The following is a list of the instruments intended to form the essential equipment of each observatory:

## LIST (with estimated Prices).

Instrumental equipment for one fixed magnetic observatory

1	Declination Magnetometer	loub pare era	10
.1	Horizontal Force Magnetometer	Gruoo, Duoun £/3	10
1	Vertical Force Magnetometer	Robinson 21	0
-1	Dipping Needle	Robinson 24	0
-1	Azimuthal Transit	Simms 50	0
	Reading Telescopes		6
	CI .	100	

The declination and horizontal force magnetometers are similar, with slight medifications, to those deviced by M. Gauss, and already in extensive use sees that the observations made with the latter instruments and with those specified above will be strictly comparable.

The observatories will be also each furnished with the following meteorological numerits:

1	Barometer					7				permit	
1	Mountain ditto									New	man.
1	Standard Therme	ome	ter							m James	
1	Osler's Anemom	etes									
V	Vet and Dry Bull	T	her	mo	me	ter	18			1	
×	F			res	100		1.01	V.	300	Adie	Liverpo

Daniell's Hygrometer.

An apparatus for atmospherical electricity.

I have the honour to be,



