



## TABLES OF MERIDIONAL PARTS.

The Director of the Nautische Abteilung der Marineleitung, (Berlin), has forwarded to the INTERNATIONAL HYDROGRAPHIC BUREAU, a note by Professor Dr Ernst WEDEMEYER, entitled:— “ Die Tafeln der Meridionaltheiles”. This note, published in February and March 1916 in *Annalen der Hydrographie und Maritimen Meteorologie* contains a very complete historical and technical study of all the old tables of Meridional Parts. Many particulars will be found in it which form a useful complement to the article published in Volume IV, N<sup>o</sup> 2 (November 1927) of the *Hydrographic Review*. The author gives (page 136) a table of Meridional Parts to nine places of decimals, for a sphere, from degree to degree between 0° and 70°, which it may be interesting to know and which we reproduce below :

Table of Meridional Parts for the sphere. — Table des Latitudes croissantes pour la sphère  
(von Ernst August Wedemeyer.)

φ	Mer. Part. Lat. Croiss.	φ	Mer. Part. Lat. Croiss.	φ	Mer. Part. Lat. Croiss.	φ	Mer. Part. Lat. Croiss.
1°	60.003046407	19°	1161.487121287	36°	2317.988345822	53°	3763.760256501
2	120.024376821	20	1225.139053789	37	2392.630484884	54	3864.636593041
3	180.082303123			38	2468.260920103	55	3967.966109384
4	240.195193033	21°	1289.196655978	39	2544.929844133	56	4073.904184542
5	300.381498319	22	1353.684902941	40	2622.690192782	57	4182.619926258
6	360.659783263	23	1418.629542131			58	4294.297869071
7	421.048753611	24	1484.057152826	41°	2701.597875508	59	4409.139941773
8	481.567286004	25	1549.995209555	42	2781.712029357	60	4527.367757388
9	542.234458093	26	1616.472149886	43	2863.095299339		
10	603.069579398	27	1683.517447031	44	2945.814148638	61°	4649.225291284
		28	1751.161687760	45	3029.939202621	62	4774.982029149
11°	664.092223087	29	1819.436656160	46	3115.545631252	63	4904.936687468
12	725.322258744	30	1888.375423850	47	3202.713575167	64	5039.421636315
13	786.779886329			48	3291.528621630	65	5178.808189706
14	848.485671436	31°	1958.012447319	49	3382.082337562	66	5323.512976251
15	910.460582008	32	2028.383673145	50	3474.472863161	67	5474.005666121
16	972.726026716	33	2099.526651956			68	5630.818416604
17	1035.303895131	34	2171.48062050	51°	3568.805611051	69	5794.557516204
18	1098.216599925	35	2244.286843772	52	3665.193977753	70	5965.917871460

Professor WEDEMEYER's note mentions an article published in the same *Annalen der Hydrographie und Maritimen Meteorologie*, for 1915, pages 425, 482 and 537, entitled: “ Zur Gesichte der Tafeln der Meridionaltheile”, by D. Joseph BATHE, in which the author gives a very complete historical review of the tables of meridional parts for the sphere and for the spheroid.