Observations with Amici's double-image micrometer.

With the prismatic micrometer I measured the distance between the components of ζ Ursae (ε 1744) 1878.203: 50.07 in parts of the scale, and 1878.205: 50.05. It is not possible to measure a much larger space with this micrometer on the long telescope. — I wrote out the distances expressed in tenths of a second of arc, as well as could be obtained from the previous observations. From every single measure the scalevalue was derived and the results laid down as ordinates with the distances as abscissae. A straight line was drawn through the point belonging to ζ Ursae and as near the rest as possible. A measure, expressed in parts of the scale P , was then converted into seconds of arc by the formula: $\varphi_0 = P(0''240 + 0''001 P)$, and it was by this formula, that the measures of Uranus were reduced. — Amici's micrometer was an admirable contrivance for its time, but is not so well adapted for measuring close double-stars as the filar micrometer of later date. It does not require a good driving clock, but the operation is difficult, where an object is not bright.

Name	ε	Epoch	P	φ_0
12 Lyncis	948 A & C	1878.131	30.75	8' 34
15 Monocerotis	950	1878.197	9.3	2.32
38 Geminorum	982	1878.159	23.0	6.05
"	"	.197	22.05	5.78
—	1009	1878.197	13.4	3.39
—	1037	1878.197	5.5	1.35
δ Geminorum	1066	1878.131	22.7	[5.97]
"	"	.197	25.75	6.85
"	"	.205	23.9	[6.31]
Castor	1110	1878.159	21.05	5.50
"	"	.197	20.25	5.26
"	"	.205	20.8	5.43
P. VII. 170	1126	1878.205	5.75	1.41
17 B. Cancri	1177	1878.197	14.2	3.61

Name	ε	Epoch	P	φ_0
85 B. Lyncis	1187	1878.197	9.45	2' 35
ζ Cancri	1196 Med & C	1878.159	21.6	5.64
"	"	1878.173	20.4	5.31
"	"	.203	20.7	5.41
"	"	.205	21.1	5.51
"	" A & B	1878.203	3.6	0.88
"	"	.205	4.65	1.14
ν Cancri	1224	1878.159	23.85	6.30
"	"	.173	23.6	6.22
"	"	.203	23.65	6.24
"	"	.205	21.55	5.62
σ^4 Cancri	1298	1878.205	17.45	4.49
38 Lyncis	1334	1878.159	6.05	[1.49]
"	"	.203	10.95	2.75
"	"	.205	9.25	2.30
157 B Lyncis	1338	1878.159	7.45	1.84
"	"	.203	8.35	2.07
"	"	.205	5.9	1.45
116 B Hydrae	1348	1878.205	7.25	1.79
γ Leonis	1424	1878.159	16.1	[4.12]
"	"	.173	13.75	3.49
"	"	.197	15.3	[3.90]
"	"	.203	12.75	3.23
"	"	.205	12.55	3.18
54 Leonis	1487	1878.203	21.8	5.72
"	"	.205	21.9	5.74
ξ Ursae	1523	1878.173	8.75	2.17
"	"	.197	8.8	2.19
"	"	.203	8.25	2.05
"	"	.205	6.55	1.62
δ Leonis	1536	1878.205	8.2	2.03
90 Leonis	1552	1878.205	10.5	2.64
2 Com. Ber.	1596	1878.205	13.4	3.39

Markree-Observatory 1878 April 18. *W. Doberck.*

Anzeige.

Verkäufliches Fernrohr.

Frau Professor Bremiker in Berlin wünscht einen Steinheil'schen Refractor aus dem Nachlasse ihres verstorbenen Mannes zu verkaufen. Verkaufspreis 300 M.

Das mit Sucher versehene Rohr sitzt auf einem 0m60 hohen Messingstative mit drehbarer Säule und einer Verstellungsverrichtung in vertikalem Sinne. Objectivöffnung 75mm. Brennweite 1m22, zwei Oculare von 50 und 70facher Vergrößerung für terrestrische Beobachtungen, drei Oculare von 54, 84 und 126 facher Vergrößerung für astronomische Beobachtungen, eine Sonnenblende. Der polirte Instrumentenkasten ist 1m26 lang, 0m31 breit, 0m14 hoch.