

TABLE III
COLOR CURVES OF OBJECTIVE ALONE

RADIUS OF ZONE	WAVE LENGTHS									
	5030	H β 4861	4680	4550	4440	H γ 4312	4250	4175	H δ 4102	H ϵ 4027
35	85.57	86.87	89.64	92.02	94.28	96.30	99.78	102.48	105.82	109.06
57	85.30	86.30	88.05	92.00	94.28	96.60	100.25	102.74	105.10	108.61
76	84.84	85.78	88.76	91.09	93.67	96.30	99.50	102.34	105.31	108.60
95	84.67	85.42	88.41	90.82	93.56	96.34	99.37	102.01	105.08	108.12
114	84.38	85.78	88.68	91.16	93.87	96.77	99.58	102.03	105.10	108.63
133	84.71	85.93	88.68	91.08	93.91	97.16	100.21	103.10	106.10	109.11
152	85.06	86.20	89.18	91.49	94.41	97.42	100.53	103.71	106.79	109.83
171	85.41	86.87	89.65	92.03	95.02	98.04	101.29	104.62	107.81	110.44

TABLE IV
COLOR CURVES OF OBJECTIVE AND CORRECTING LENS

RADIUS OF ZONE	WAVE LENGTHS									
	5030	H β 4861	4680	4550	4440	H γ 4312	4250	4175	H δ 4102	H ϵ 4027
38	55.12	54.75	53.11	51.18	50.65	50.92	50.97	51.17	51.36	51.68
57	53.38	53.80	52.55	51.08	51.24	51.04	50.90	50.91	50.95	51.30
76	51.51	53.67	52.54	51.60	51.10	51.14	51.16	51.11	51.23	51.40
95	55.57	54.37	53.16	52.46	51.05	51.70	51.60	51.74	51.96	52.30
114	55.45	54.82	53.62	53.12	52.70	52.50	52.65	52.70	53.03	53.24
133	55.04	55.10	53.88	53.3	53.06	52.80	52.93	53.05	53.31	53.60
152	55.84	55.13	54.95	53.54	53.26	53.07	53.25	53.38	53.40	53.62
171	56.05	55.39	54.38	53.90	53.60	53.53	53.50	53.97	54.15	54.27

down, away from the objective, some 40 mm we get curve *C*, and at 70 mm, curve *D*. In curve *C* the minimum focus is nearly at $H\gamma$, and in *D* at λ 4460. Evidently the lowering of the correcting lens some 40 mm effects considerable improvement in the color correction without, as the earlier experiments showed, appreciably enlarging the image, and the lens has been used in this position almost from the first.

Although all the data in regard to the complete color curves are given in Tables III and IV, still the actual curves drawn from these figures show all the conditions at a glance, and are hence worth giving. To prevent too great a confusion of lines, the curves for four zones only (zone plate (*B*), Fig. 1), of 57, 95, 133, 171 mm radius, are shown here in Fig. 5, the upper curves being of objective