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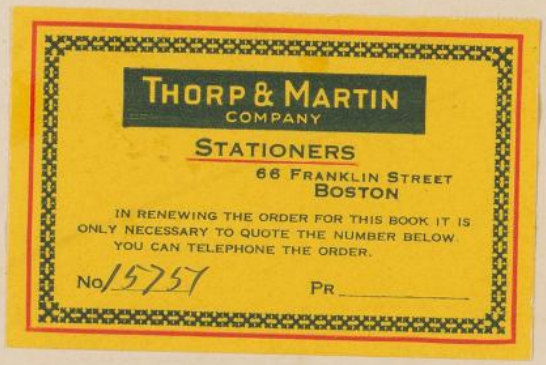
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	1149	" "	68–74
	703	" "	76–86
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	684	" "	102–110
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1929phae.proj.12680

Aug 2 Series

NGP. RH 804 - July 15, 1929
Con. from Bk. 6 f P. 28

Strip	Class	Star	y	x	Dff.	Diff.	Ce	Dk	Vols
22.8	f	156	2288	512	1293	1310	1797	151	
	p	56	2297	619	1028	—	1799	151	
	f	157	2290	650	1104	1138	1787	150	
	f	158	2289	989	1137	1148	1761	151	
	f	159	2278	1159	1063	1071	1742	151	
23.0	p	57	2310	500	1170	—	1789	157	
	f	160	2314	829	548	562	1770	150	
	f	161	2310	968	1101	1113	1738	150	
	f	162	2306	1206	1232	1241	1761	152	
23.2	f	163	2330	590	793	770	1810	151	
	p	58	2334	653	730	—	1787	151	
	f	164	2332	673	941	964	1817	152	
	f	165	2319	858	921	973	1790	154	
	p	59	2321	1207	1311	—	1810	153	
23.4	p	60	2352	699	1115	—	1849	157	
	f	166	2349	703	688	700	1809	152	
23.6	p	61	2360	439	1264	—	1802	157	
	f	167	2360	438	1150	1172	1824	159	
	f	168	2364	669	1134	1169	1859	158	
	p	62	2365	738	1031	—	1838	157	
	f	169	2366	859	332	331	1800	157	
	f	170	2375	1313	873	890	1821	153	
		10	1955	911	161	—	1712	153	
		1	1870	559	290	—	1791	153	
		2	—	—	243	—	1800	153	
		3	—	—	670	—	1818	153	
		4	—	—	484	—	1811	152	
		5	—	—	519	—	1763	153	
		6	—	—	909	—	1782	153	
		7	—	—	1003	—	1818	154	
		8	—	—	1363	—	1788	152	495

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1646	1142	1154	694	704	8.13, 8.19	
1648	877	—	532	—	7.50	642
1637	954	988	521	604	7.46, 7.79	
1610	986	997	613	618	7.82, 7.84	
1591	912	920	572	577	7.42, 7.69	
1632	1013	—	621	—	7.84	679
1620	398	412	245	254	6.31, 6.36	
1588	951	963	599	606	7.75, 7.77	
1609	1080	1089	672	677	8.05, 8.08	
1659	582	619	361	373	6.74, 6.85	
1636	577	—	354	—	6.75	606
1665	789	812	473	487	7.22, 7.29	
1636	766	819	499	533	7.35, 7.57	
1657	1158	—	698	—	8.15	
1692	958	—	566	—	7.63	587
1657	536	548	324	331	6.63, 6.66	
1645	1107	—	672	—	8.05	681?
1675	991	1013	592	605	7.73, 7.77	
1701	976	1011	573	594	7.67, 7.73	
1681	874	—	518	—	7.43	570
1643	175	174	105	105	5.56, 5.56	
1668	720	737	432	443	7.08, 7.12	
1659	8	—	5	—		
1638	77	—	47	—		
1647	120	—	73	—		
1665	217	—	130	—		
1659	332	—	200	—		
1610	426	—	264	—		
1629	756	—	465	—		
1664	841	—	510	—		
1636	1211	—	740	—		

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4

New Series

FMC July 16, 1929 RH 804

Strip	class	star	y	x	Defl	Defl	d	Dh	Volt
		15	1955	990	1063	—	1718	099	5.19
		1	1870	638	150	—	1810	099	
		2	—	—	219	—	1771	099	
		3	—	—	272	—	1785	099	
		4	—	—	376	—	1818	100	
		5	—	—	490	—	1744	100	
		6	—	—	851	—	1818	100	
		7	—	—	1020	—	1822	100	
		8	—	—	1310	—	1779	100	
23.8	f	63	2382	465	1278	—	1850	100	
	f	171	2378	1391	891	840	1820	100	
	f	172	2391	1408	1300	1310	1820	101	
24.0	f	173	2400	439	1248	1250	1812	105	
	f	174	2400	541	1220	1210	1860	105	
	f	175	2401	581	960	961	1852	102	
	f	176	2401	1020	1310	1360	1810	105	
	f	64	2410	1080	1121	—	1809	105	
	f	177	2409	1300	1119	1130	1820	105	
24.2	f	178	2429	500	1270	1240	1851	108	
	f	179	2430	762	480	482	1812	109	
	f	180	2431	1170	761	758	1801	109	
	f	65	2431	1180	1109	—	1868	110	
	f	180 V	2419	1378	350	358	1801	110	
24.4	f	181	2450	496	945	940	1869	110	
	f	67	2441	540	210	—	1801	110	
	f	68	2441	570	1286	—	1889	110	
	f	182	2449	963	1120	1150	1820	110	
24.6	f	183	2460	487	1059	1068	1879	111	
	f	69	2469	1185	520	—	1831	110	
24.8	f	70	2495	870	1281	—	1840	111	

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1929phae.proj.1268c

Cl.-Dk.	Defs.-Dk.	Deff-Dk.	Reduced	Reduced	Magn.	L. No.
1619	4	—	2	—		
1711	51	—	30	—		
1672	120	—	72	—		
1686	173	—	103	—		
1718	276	—	161	—		
1644	390	—	237	—		
1718	751	—	438	—		
1722	920	—	534	—		
1679	1210	—	722	—		
1750	1178	—	673	—	8.11	683
1720	731	740	426	431	7.08,7.11	
1719	1199	1209	648	705	8.20,8.25	
1707	1143	1145	670	672	8.08,8.09	
1755	1115	1105	637	631	7.96,7.93	
1750	858	859	491	492	7.34,7.34	
1705	1205	1253	707	737	8.24,8.38	
1704	1016	—	597	—	7.29	451
1715	1014	1025	592	597	7.79,7.79	
1743	1162	1132	668	650	8.07,8.02	
1703	371	373	218	219	6.28,6.28	
1692	652	649	386	384	6.94,6.92	
1758	999	—	569	—	7.67	420
1691	240	248	142	147	6.00,6.01	
1759	835	830	477	473	7.28,7.27	
1691	100	—	59	—	5.04	660
1779	1176	—	663	—	8.06	647?
1710	1010	1040	592	608	7.79,7.83	
1768	948	957	537	543	7.54,7.56	
1721	410	—	236	—	6.36	426
1729	1170	—	678	—	8.13	541

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Fmc July 16, 1929 R H 804

New Series 6

Temp.	Class	Star	y	x	Dyz	Dzz	a	Dh	Volt
24.8		184	2481	892	1268	1270	1842	112	
		185	2480	921	1299	1325	1840	112	
		186	2488	1121	987	988	1790	111	
		187	2491	1340	1128	1139	1840	112	
25.0		188	2500	530	956	970	1870	113	
		71	2510	880	313	—	1830	111	
		189	2510	970	1172	1177	1855	112	
		72	2502	1050	571	—	1829	120	
25.2		190	2520	567	1179	1212	1888	120	
		191	2523	612	709	700	1909	120	
25.4		192	2541	900	490	500	1881	121	
		73	2541	930	1200	—	1900	121	
		193	2549	988	840	863	1870	121	
		194	2550	1266	921	930	1889	121	
25.6		195	2560	892	1243	1280	1908	121	
		196	2571	895	873	865	1889	121	
25.8		197	2590	730	1170	1210	1846	122	
		198	2582	1080	1240	1260	1889	125	
26.0		199	2610	755	350	350	1900	123	
		200	2600	910	1250	1250	1858	124	
		201	2599	1165	369	370	1885	122	
26.2		202	2620	790	1090	1080	1920	125	
		74	2630	1019	970	—	1875	125	
		203	2631	1070	770	785	1865	125	
26.4		75	2642	882	1185	—	1880	129	
		204	2640	920	610	630	1870	125	
		18	1955	990	117	—	1720	120	
		1	1870	638	180	—	1785	120	
		2	—	—	240	—	1830	118	
		3	—	—	310	—	1835	118	

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1730	1156	1158	668	670	8.07, 8.09	
1728	1187	1213	688	703	8.17, 8.23	
1679	876	877	520	521	7.47, 7.47	
1728	1016	1027	588	595	7.76, 7.79	
1757	843	857	481	488	7.32, 7.34	
1719	202	—	118	—	5.86	536
1743	1060	1065	608	612	7.83, 7.86	
1709	461	—	264	—	6.47	474
1768	1059	1092	599	618	7.80, 7.87	
1789	584	580	329	325	6.71, 6.70	
1760	369	379	209	215	6.24, 6.27	
1779	1079	—	606	—	7.84	523
1749	719	742	411	425	7.03, 7.08	
1768	800	809	453	457	7.20, 7.21	
1787	1122	1159	628	648	7.92, 8.01	
1768	752	744	426	421	7.08, 7.05	
1724	1048	1088	602	630	7.82, 7.93	
1764	1115	1135	632	643	7.93, 8.00	
1777	227	227	128	128	5.91, 5.91	
1734	1126	1126	649	649	8.00 8.00	
1763	247	248	141	141	6.00 6.00	
1795	965	953	538	533	7.54, 7.53	
1750	846	—	483	—	7.32	498
1740	645	660	371	380	6.90, 6.92	
1751	1056	—	603	—	7.82	534
1745	1485	505	278	289	6.52, 6.56	
1600	−3	—		—		
1665	60	—	36	—		
1712	122	—	71	—		
1717	192	—	112	—		

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8 Rec Series RH804, July 16, 1929

Strip	class	star	y	x	Dec	Defe	el	Dk	volt
		4	—	—	410	—	1865	121	
		5	—	—	530	—	1845	120	
		6	—	—	850	—	1855	121	
		7	—	—	1000	—	1892	125	
		8	—	—	1380	—	1865	121	

Plate Finished

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. D. Ko.
1744	289	—	166	—	
1725	410	—	238	—	
1734	759	—	437	—	
1767	875	—	495	—	
1744	1259	—	721	—	

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10 Head Series

HJP - RH 1174 - July 16, 1929

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk	Plates
		10	2013	852	749	—	1470	104	515
		0	1730	738	788	—	1518	108	
		2	—	—	868	—	1581	108	
		3	—	—	969	—	1589	109	
		4	—	—	1030	—	1503	108	
		5	—	—	1122	—	1534	110	
		6	—	—	1261	—	1530	109	
		7	—	—	1281	—	1533	110	
		8	—	—	1440	—	1519	111	
14.8	p	1	1481	873	1210	—	1590	091	
15.0	f	1	1502	949	1258	1251	1591	100	
15.2	f	2	1515	489	970	972	1560	100	
	p	2	1530	512	1292	—	1581	100	
	f	3	1530	959	1312	1310	1610	110	
15.4	p	3	1548	772	1362	—	1579	112	
15.6	p	4	1568	442	1360	—	1609	119	
	f	4	1571	819	1343	1343	1587	111	
15.8	f	5	1581	423	1014	1010	1600	112	
16.0	p	5	1599	1008	1253	—	1671	121	
	p	6	1600	1036	1400	—	1669	122	
	p	7	1601	1140	1703	—	1707	121	
16.2	f	6	1631	953	1243	1243	1639	123	
16.4	p	8	1641	1007	1408	—	1641	120	
17.0	p	9	1701	521	1303	—	1623	122	
	p	10	1709	1229	1205	—	1674	121	
17.2	f	7	1725	798	1139	1134	1579	120	
17.4	f	8	1745	968	1160	1151	1545	121	
17.6	f	9	1771	251	1000	990	1611	128	
	f	10	1770	620	1149	1149	1521	129	
	f	11	1760	1126	1210	1204	1562	131	

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1929phae.proj.1268c

O.-Ak.	Defl.-Pk.	Defl.-Ak.	Reduced	Reduced	Magn.	L.-Ko.
1366	345	—	253	—		
1410	680	—	482	—		
1473	760	—	516	—		
1480	860	—	581	—		
1395	922	—	661	—		
1424	1012	—	710	—		
1421	1152	—	810	—		
1423	1171	—	823	—		
1408	1329	—	944	—		
1499	1119	—	746	—	6.64	960? ×
1491	1158	1151	776	772	6.69, 6.86	
1460	870	872	596	597	5.36, 5.37	
1481	1192	—	804	—	7.13	844 ×
1500	1203	1200	802	800	7.11, 7.09	
1469	1250	—	852	—	7.53	926 ×
1490	1241	—	833	—	7.38	809 ×
1476	1232	1232	835	835	7.40, 7.40	
1488	902	898	606	604	5.47, 5.46	
1550	1132	—	731	—	6.53	1030 ×
1547	1278	—	825	—	7.32	1043 ×
1586	1582	—	997	—	8.65	1081 ×
1516	1120	1120	738	738	6.58, 6.59	
1521	1288	—	845	—	7.47	1044? ×
1501	1181	—	786	—	6.97	805 ✓
1563	1084	—	698	—	6.28	1141 ×
1459	1019	1014	698	697	6.23, 6.22	
1424	1039	1030	729	723	6.50, 6.44	
1483	872	862	587	581	5.29, 5.25	
1398	1020	1020	729	729	6.50, 6.50	
1431	1079	1073	753	749	6.61, 6.66	

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1929phae.proj.12681

112 Zone Series

Hyp - RA 1174 - July 16, 1929

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	Diff
18.8	p	11	1490	175	1188	—	1388	121	
	p	12	1779	568	1328	1322	1516	130	
	p	12	1778	1233	1359	—	1582	131	
18.2	p	13	1828	489	1411	—	1525	131	
	p	14	1829	971	1316	—	1517	131	
	p	13	1830	1130	1361	1362	1587	130	
18.6	p	15	1858	1282	1025	—	1692	135	
18.8	p	16	1881	439	1421	—	1599	133	
	p	17	1882	1191	1348	—	1692	130	
19.2	p	14	1926	488	821	815	1592	130	
	p	15	1919	800	1332	1328	1651	134	
19.4	p	18	1950	198	780	—	1648	132	
	p	16	1940	571	1381	1385	1621	133	
	p	19	1951	773	1951	—	1640	132	
	p	20	1940	944	1401	—	1658	140	
	p	17	1949	1080	1314	1318	1670	138	
19.6	p	18	1970	649	1214	1210	1599	132	
	p	19	1974	939	1272	1281	1642	134	
	p	21	1964	1118	1270	—	1671	139	
	p	22	1970	1141	1352	—	1667	134	
19.8	p	20	1981	879	1170	1180	1619	135	
	p	21	1980	809	1120	1120	1629	133	
	p	23	1985	1038	1050	—	1662	133	
	p	22	1984	1260	1181	1180	1682	131	
20.0	p	24	2005	407	1366	—	1610	140	
	p	23	1999	1338	1080	1079	1719	140	
		14	2073	852	530	—	1578	143	
		1	1730	738	870	—	1590	149	
		2	—	—	940	—	1660	150	
		3	—	—	1042	—	1680	151	

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1929phae.proj.1266c

Cl.-Dk.	Depl-Dk.	Depl-Dk.	Reduced	Reduced	Magn.	L.Ks.
1267	1067	—	843	—	7.45	699 ×
1386	1198	1192	865	860	7.65, 7.61	
1451	1228	—	845	—	7.47	1104 ×
1394	1280	—	918	—	8.08	748 ✓
1386	1185	—	856	—	7.56	1109 ✓
1467	1231	1232	845	846	7.44, 7.45	
1557	890	—	572	—	5.61	1214 ×
1466	1288	—	878	—	7.76	713 ✓
1562	1218	—	780	—	6.93	
1462	691	685	473	468	4.34, 4.29	
1517	1198	1194	790	787	7.02, 7.00	
1516	648	—	427	—	3.95	660 ×
1488	1246	1252	840	842	7.39, 7.41	
1508	819	—	1207	—	off curve	2r ×
1518	1261	—	831	—	7.36	1171 ✓
1532	1176	1180	768	770	6.73, 6.75	
1467	1082	1078	738	735	6.58, 6.56	
1508	1138	1147	764	760	6.73, 6.76	
1532	1131	—	738	—	6.58	1242 ✓
1533	1218	—	793	—	7.03	1251 ✓
1484	1035	1045	697	704	6.24, 6.29	
1496	987	987	660	660	5.92, 5.92	
1529	917	—	600	—	5.41	no 3 sequence star
1551	1060	1069	683	682	6.11, 6.10	
1470	1226	—	833	—	7.38	642 ✓
1579	940	939	596	595	5.36, 5.35	
1435	387	—	270	—		
1441	721	—	501	—		
1510	790	—	523	—		
1529	891	—	584	—		

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1929phae.proj.12680

14 New Series

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk	Roots
		4	—	—	1106	—	1591	153	
		5	—	—	1190	—	1628	152	
		6	—	—	1361	—	1620	153	
		7	—	—	1380	—	1616	153	
		8	—	—	1530	—	1611	152	510
FMC R# 1174 July 17, 1929		18	2073	850	460	—	1400	085	5.00
		1	1730	734	748	—	1390	085	
		2	—	—	852	—	1460	089	
		3	—	—	951	—	1460	090	
		4	—	—	980	—	1390	090	
		5	—	—	1070	—	1413	090	
		6	—	—	1201	—	1409	090	
		7	—	—	1198	—	1419	090	
		8	—	—	1330	—	1405	090	
20.2		24	2038	201	1081	1085	1477	091	
		25	2038	470	1093	—	1440	091	
		26	2021	1068	1330	—	1448	091	
		27	2018	1098	1132	—	1461	092	
20.4		28	2039	582	1078	—	1425	095	
		25	2041	620	947	935	1419	095	
		26	2039	870	1308	1320	1430	098	
		27	2040	1058	1222	1221	1460	098	
20.6		24	2059	390	1100	—	1427	100	
		25	2069	1018	1300	1302	1439	100	
20.8		29	2081	570	1317	1319	1420	100	
		30	2089	583	1205	—	1421	100	
		30	2079	628	1280	1282	1410	100	
		31	2079	755	1100	1090	1410	100	
		32	2098	810	1001	965 Effect on the	1401	100	
		31	2085	1281	1295	—	1479	102	

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1929phae.proj.1268

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. L. Ko.	
1438	943	—	656	—		
1476	1038	—	738	—		
1467	1208	—	823	—		
1463	1227	—	838	—		
1459	1378	—	945	—		
1315	375	—	285	—		
1305	663	—	508	—		
1371	763	—	556	—		
1370	861	—	629	—		
1300	890	—	684	—		
1323	980	—	742	—		
1319	1111	—	844	—		
1329	1108	—	834	—		
1315	1240	—	943	—		
1386	980	994	707	716	6.26, 6.34	
1349	1002	—	744	—	6.57	6225 ✓
1357	1249	—	920	—	8.12	f ✓
1369	1040	—	759	—	6.69	1279 ✓
1330	983	—	740	—	6.54	627 ✓
1324	852	840	642	634	5.69, 5.63	
1332	1210	1222	909	918	8.03, 8.08	
1362	1124	1123	826	825	7.30, 7.29	
1327	1000	—	763	—	6.64	606 ✓
1339	1206	1202	896	897	7.90, 7.91	
1320	1217	1219	923	924	8.14, 8.23	
1321	1105	—	837	—	7.40	not sequence star
1310	1180	1182	901	902	7.96, 7.97	
1310	1000	996	763	756	6.73, 6.66	
1311	901	865	692	664	6.12, 5.89	
1377	1193	—	867	—	7.67	23 ✗

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1929phae.proj.1268c

16 New Series

FMC RH 1174 July 17, 1929

Trig.	class	Star	y	x	Diff	Diff	d	Dk	Volt
21.0	f	33	2101	138	1148	1148	1500	101	
	fp	32	2104	400	1270	—	1427	102	
	f	34	2111	421	1102	1100	1430	103	
	fp	33	2105	1049	1190	—	1439	104	
	f	34	2118	1130	841	—	1423	105	
21.2	f	35	2120	1030	798	804	1445	105	
21.4	fp	35	2141	410	1225	—	1430	108	
	f	36	2145	880	1320	1310	1430	109	
	fp	36	2140	1280	1135	—	1460	108	
	f	37	2144	1343	1312	1320	1490	108	
21.6	f	38	2169	705	1180	1171	1421	109	
	f	39	2170	902	1245	1245	1435	109	
22.0	f	40	2209	578	1015	1015	1421	110	
	f	41	2211	762	1210	1212	1420	110	
22.2	f	42	2231	532	1271	1280	1430	110	
	fp	37	2220	999	1330	—	1415	110	
22.4	f	43	2250	1074	1280	1308	1429	110	
22.6	fp	38	2271	324	891	—	1450	110	
	f	44	2268	400	1329	1331	1440	110	
	f	45	2270	629	1323	1310	1419	115	
	f	46	2260	796	1140	1135	1409	115	
	f	47	2269	1068	1190	1200	1405	115	
	fp	39	2271	1100	1299	—	1420	115	
22.8	fp	40	2290	699	1045	—	1430	116	
23.0	f	48	2299	463	1308	1310	1432	116	
	f	49	2302	471	1312	1310	1418	113	
	fp	41	2300	959	948	—	1380	112	
23.2	fp	42	2330	320	1288	—	1431	112	
	f	50	2330	652	1058	1050	1395	110	
	f	51	2322	660	1137	1125	1410	112	

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1929phae.proj.1268

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.-Ko.
1299	1047	1047	749	749	6.61, 6.61	
1325	1168	—	881	—	7.77	587 v
1327	999	997	752	751	6.64, 6.63	
1335	1086	—	813	—	7.19	62 v
1318	736	—	559	—	4.97	56 v
1340	693	699	577	521	4.58, 4.62	
1322	1117	—	844	—	7.45	570 v
1321	1211	1201	916	910	8.06, 8.03	
1362	1027	—	760	—	6.71	51 x
1382	1204	1212	871	876	7.70, 7.74	
1312	1071	1062	816	809	7.21, 7.16	
1326	1136	1136	858	858	7.58, 7.58	
1311	905	905	691	691	6.10, 6.10	
1310	1100	1162	840	842	7.43, 7.45	
1320	1161	1170	880	887	7.77, 7.83	
1305	1220	—	934	—	8.24	h v
1319	1170	1198	887	908	7.83, 8.01	
1340	781	—	583	—	5.18	536 x
1330	1219	1221	916	919	8.17, 8.09	
1304	1208	1195	926	916	8.15, 8.07	
1294	1025	1020	793	788	7.01, 6.97	
1290	1075	1085	834	842	7.38, 7.44	
1315	1184	—	908	—	8.02	h v
1314	929	—	707	—	6.26	376 v
1316	1192	1194	907	908	8.00, 8.01	
1305	1199	1197	919	918	8.09, 8.08	
1268	826	—	652	—	5.76	205 v
1319	1176	—	892	—	7.87	523 x
1285	948	940	736	731	6.50, 6.47	
1298	1025	1013	790	780	6.99, 6.89	

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1929phae.proj.1268c

18 New Series

FMC
M.R.D.

R.H. 1174, July 17, 1929.

Sec.	class	Star	y	x	Decl	Decl	cl	Sh	Vert
23.2 M.R.D.	f	52	2330	872	1040	1058	1422	120	
23.4	f	55	2347	350	1290	1290	1440	120	
	fp	43	2339	750	1250	—	1410	120	
23.6	fp	44	2370	872	1280	—	1400	120	
23.8	fp	45	2390	512	1269	—	1450	116	
	f	54	2390	700	1260	1260	1420	118	
	fp	46	2390	1102	995	—	1440	120	
	f	53	2385	1130	1105	1105	1425	120	
24.0	fp	47	2402	870	1080	—	1415	118	
	fp	48	2410	972	1095	—	1408	118	
	f	56	2402	1012	1240	1240	1420	120	
24.2	fp	41	2417	420	1010	—	1470	120	
	fp	50	2430	852	1030	—	1420	120	
24.4	f	57	2450	420	1260	1260	1480	122	
	f	58	2442	708	1140	1140	1470	123	
	f	59	2449	929	1000	972 a defect at 0.05 diam	1470	123	
24.6	fp	51	2459	1121	too faint				
24.8	fp	52	2489	551	1275	—	1490	125	
	f	60	2496	770	1280	1280	1475	123	
	fp	53	2480	827	1285	—	1484	123	
	f	61	2480	1071	1315	1315	1500	124	
25.0	f	54	2510	522	988	—	1505	124	
	f	62	2500	587	1070	1070	1500	125	
	f	63	2570	682	1220	1220	1508	125	
25.2	f	64	2530	420	1020	1020	1480	123	
	f	65	2519	818	1190	1192	1490	123	
25.4	f	66	2551	492	1300	1300	1460	123	
	f	67	2540	588	1302	1305	1499	124	
	f	68	2530	797	1278	1280	1482	124	
	f	69	2548	951	1000	1000	1480	124	

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1929phae.proj.12681

R.A.-Dk.	Decl.-Dk	Decl-Dk	Reduced	Reduced	Magn.	L. No
1302	-920	938	707	721	6.23, 6.45	
1320	1170	1170	886	886	7.83, 7.83	
1290	1130	—	876	—	7.74	338 v
1286	1160	—	905	—	8.00	274 v
1334	1153	—	864	—	7.65	451 v
1302	1142	1142	878	878	7.76, 7.76	
1320	875	—	663	—	5.86	183 x
1305	985	985	755	755	6.67, 6.67	
1297	962	—	741	—	6.55	279 v
1290	977	—	758	—	6.69	240 v
1300	1120	1120	860	860	7.60, 7.60	
1360	890	—	659	—	5.83	474 x
1300	910	—	700	—	6.18	294 v
1358	1138	1138	838	838	7.40, 7.40	
1347	1017	1017	754	754	6.66, 6.66	
1347	877	849	651	631	5.76, 5.69	
1365	1150	—	842	—	7.43	420 x
1352	1157	1157	855	855	7.55, 7.55	
1361	1162	—	854	—	7.54	2[illegible] x
1376	1191	1191	866	859	7.66, 7.58	
1381	864	—	626	—	5.46	426 x
1375	945	945	687	687	6.07, 6.07	
1383	1095	1095	793	793	7.02, 7.02	
1367	897	897	662	662	5.87, 5.87	
1367	1067	1069	781	782	6.91, 6.92	
1337	1177	1177	880	880	7.77, 7.77	
1375	1178	1181	856	858	7.56, 7.58	
1358	1154	1156	850	862	7.51, 7.63	
1356	876	876	647	647	5.74, 5.73	

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1929phae.proj.1268C

20 New Series

MRD RH1174 July 17, 1929

Exp.	class	Star	y	x	Diff	Diff	cl	Dk	Volt
	f	55	2547	1058	755	—	1475	123	
25.6	f	70	2590	551	1030	1030	1500	124	
	f	71	2590	770	1185	1185	1489	124	
262	f	72	2629	680	1175	1175	1508	125	
		15	2073	850	510	—	1455	127	
		1	1730	734	815	—	1485	127	
		2	—	—	935	—	1542	129	
		3	—	—	1013	—	1560	130	
		4	—	—	1050	—	1482	129	
		5	—	—	1150	—	1515	130	
		6	—	—	1280	—	1510	130	
		7	—	—	1290	—	1570	130	
		8	—	—	1430	—	1509	130	

Plate finished

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1929phae.proj.12680

Obs.-Dk.	Defl.-Dk	Diff.-Dk	Reduced	Reduced	Magn.	L. Kor.
1352	632	—	467	—	4.11	239 x
1376	906	906	654	659	5.82, 5.82	
1366	1061	1061	777	777	6.87, 6.87	
1383	1050	1050	758	758	6.69, 6.69	
1328	383	—	288	—		
1358	688	—	506	—		
1413	806	—	571	—		
1430	883	—	617	—		
1353	921	—	681	—		
1385	1020	—	737	—		
1380	1156	—	833	—		
1380	1160	—	841	—		
1379	1300	—	942			

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1929phae.proj.1268

22 cont'd BK67, p32, RH1175 FMC July 18 1929

New series

strip	class	star	y	x	Defl-Dk	Defl.	Cl.	Dk.	volt
		19	2070	704	278	—	1321	092	
		1	1730	578	492	—	1342	090	
		2	—	—	602	—	1353	090	
		3	—	—	720	—	1353	090	
		4	—	—	739	—	1350	090	
		5	—	—	850	—	1340	090	
		6	—	—	1051	—	1350	090	
		7	—	—	1129	—	1380	090	
		8	—	—	1230	—	1338	091	
20.0	f	24	2013	256	1150	—	1411	095	
	f	22	2010	301	1215	1210	1400	095	
	f	25	2010	920	1230	—	1350	095	
	f	26	2002	950	930	—	1340	095	
	f	23	2000	1092	881	888	1350	095	
	f	24	2010	1170	830 03	807	1369	095	
20.2	f	27	2021	1110	1217	—	1358	098	
20.4	f	35	2048	039	989	995	1420	095	
	f	28	2045 2	820	971	—	1410	095	
	f	29	2041	438	980	—	1400	095	
	f	26	2052	452	780	782	1380	095	
	f	27	2050	891	1100	1100	1368	098	
		15	2070	704	285		1327	095	
		18	1730	578	521	—	1351	095	
		2	—	—	610	—	1360	092	
		3	—	—	707	—	1357	095	
		4	—	—	760	—	1358	095	
		5	—	—	888		1350	093	
		6	—	—	1069	—	1360	095	
		7	—	—	1124	—	1381	098	
		8	—	—	1229	—	1339	095	

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1929phae.proj.12680

⊙ Dk.	Defl-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	2. No.	
1229	186	—	151	—			
1262	402	—	322	—			
1263	512	—	406	—			
1263	630	—	498	—			
1260	649	—	515	—			
1250	760	—	608	—			
1260	961	—	764	—			
1290	1039	—	805	—			
1247	1139	—	914	—			
1316	1055	—	803	—	7.37	642	✓
1305	1120	1115	858	856	7.80, 7.78		
1255	1135	—	905	—	8.25	f	✓
1246	835	—	672	—	6.67	1279	✓
1256	786	793	627	632	6.47, 6.51		
1274	708	712	553	559	6.09, 6.12		
1260	1119	—	889	—	8.09	8	×
1326	894	900	675	680	6.68, 6.71		
1315	876	—	675	—	6.68	6265	✓
1305	885	—	678	—	6.69	627	✓
1285	685	687	534	535	6.00, 6.01		
1270	1002	1002	791	791	7.30, 7.30		
1232	190	—	154	—			
1256	426	—	340	—			
1268	518	—	409	—			
1262	612	—	485	—			
1263	665	—	527	—			
1257	795	—	632	—			
1265	974	—	771	—			
1283	1026	—	810	—			
1244	1134	—	912	—			

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New Series

Dyp - RV 1175 - July 18, 1929

Strips	Loss	Star	y	x	Dyp	Dxp	a	Dk	Volt
		10	2070	723	237		1289	058	510
		1	1790	577	470	—	1341	052	
		2	—	—	600	—	1343	052	
		3	—	—	682	—	1350	051	
		4	—	—	729	—	1360	053	
		5	—	—	852	—	1367	060	
		6	—	—	1060	—	1363	060	
		7	—	—	1120	—	1402	063	
		8	—	—	1240	—	1362	068	
20.6	p	30	2068.	1243	980	—	1437	062	
	p	31	2061.	972	1238	—	1403	063	
	p	32	2068	1138	1122	—	1355	070	
20.8	p	28	2090	590	960	962	1372	070	
	p	33	2095	902	1054	—	1387	063	
21.0	p	29	2111	0-30	1154	1151	1581	068	
	p	30	2109	647	862	854	1440	068	
	p	34	2103	984	642	—	1410	066	
21.2	p	31	2112	248	1060	1060	1510	069	
	p	32	2131	861	600	589	1412	067	
	p	35	2121	1135	990	—	1440	070	
21.8	p	33	2180	539	1161	1140	1480	070	
22.2	p	34	2220	411	904	904	1513	079	
	p	35	2293	598	1187	1183	1486	078	
22.6	p	36	2270	629	1103	1092	1489	079	
22.8	p	36	2286	183	774	—	1565	079	
	p	37	2291	558	943	—	1490	077	
	p	35	2292	819	781	—	1444	080	
	p	37	2280	900	1195	1172	1458	079	
23.2	f	38	2336	492	1160	1154	1514	090	
23.4	f	39	2341	488	1062	1060	1501	091	

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1929phae.proj.12680

Q. Dk.	Dep. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No.
1231	179	—	145	—		
1289	418	—	325	—		
1291	548	—	426	—		
1291	631	—	487	—		
1307	676	—	508	—		
1307	792	—	606	—		
1303	1006	—	768	—		
1339	1057	—	791	—		
1294	1172	—	906	—		
1365	918	—	673	—	6.67	606 V
1340	1175	—	877	—	8.04	601 V
1285	1052	—	820	—	7.54	23 ×
1302	890	892	684	685	6.73, 6.74	
1324	991	—	749	—	7.04	62 V
1513	1086	1083	717	716	6.87, 6.86	
1372	794	786	579	573	6.25, 6.22	
1344	576	—	429	—	5.26	56 ×
1441	991	991	687	687	6.74, 6.74	
1345	533	522	397	389	5.00, 4.93	
1376	920	—	672	—	6.67	51 ×
1407	1088	1067	774	759	7.20, 7.10	
1434	825	825	576	576	6.23, 6.23	
1408	1109	1105	789	787	7.27, 7.26	
1410	1024	1013	728	720	6.94, 6.89	
1486	695	—	468	—	6.58	536 ×
1413	866	—	614	—	6.45	376 V
1364	701	—	575	—	5.87	205 V
1379	1116	1093	811	795	7.43, 7.34	
1424	1070	1064	752	749	7.06, 7.04	
1410	971	969	689	687	6.74, 6.73	

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New Series

Dpp - RH 1175 - July 18, 1929

Strip	Class	Star	y	x	Dpa	Dpa	ae	Dk	Volt
	f	40	2340	708	984	985	1478	098	
23.8	p	39	2380	963	862	—	1455	093	
24.0	p	40	2400	791	949	—	1475	099	
	p	41	2401	837	1003	—	1452	094	
	f	41	2400	962	1050	1050	1450	100	
24.2	p	42	2425	286	951	—	1550	099	
	p	43	2427	718	901	—	1451	095	
24.4	f	42	2454	539	1082	1083	1473	100	
24.6	p	44	2475	691	1211	—	1480	102	
	f	43	2460	760	791	792	1452	100	
24.8	p	45	2478	812	1228	—	1452	106	
25.0	p	46	2516	390	877	—	1540	110	
	f	44	2513	418	1028	1040	1510	109	
	p	47	2510	1009	1198	—	1437	109	
25.2	f	45	2520	512	1171	1170	1580	110	
	f	46	2530	649	1898	1904	1491	110	
	p	48	2534	922	511	—	1470	109	
25.4	f	47	2540	252	980	975	1543	110	
25.6	f	48	2560	783	802	810	1458	109	
25.8	p	49	2589	761	991	—	1463	108	
26.0	f	49	2602	983	950	950	1520	108	
	f	50	2601	601	1130	1129	1487	110	
26.4	f	51	2640	500	1128	1120	1491	108	
	f	10	2070	703	340	—	1370	110	
	p	1	1730	577	570	—	1460	110	
	p	2	—	—	400	—	1462	111	
	p	3	—	—	791	—	1468	112	
	p	4	—	—	821	—	1458	110	
	p	5	—	—	955	—	1448	112	
	p	6	—	—	1160		1460	112	
	p	7	—	—	1219	—	1507	112	
	p	8	—	—	1337	—	1460	115	

Finished

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1929phae.proj.12680

Co. Ob.	Defl. Dk	Defl. Dk.	Reduced	Reduced	Magn.	L. No.
1380	889	887	645	644	6.56, 6.55	
1362	769	—	565	—	6.16	183 x
1376	850	—	618	—	6.46	279 v
1358	909	—	620	—	6.46	240 v
1350	960	950	704	704	6.83, 6.83	
1451	852	—	587	—	6.30	474 x
1356	806	—	595	—	6.35	294 v
1373	982	983	715	716	6.87, 6.86	
1378	1109	—	805	—	7.41	2a x
1352	691	692	512	513	5.86, 5.87	
1346	1122	—	835	—	7.66	264 x
1430	767	—	538	—	6.02	426 x
1401	919	931	656	665	6.60, 6.64	
1328	1089	—	820	—	7.54	206 x
1390	1061	1060	765	764	7.14, 7.13	
1381	1788	1794	571	575	6.21, 6.23	
1361	402	—	295	—	4.00	239 x
1433	870	865	607	604	6.43, 6.41	
1349	693	701	515	521	5.87, 5.93	
1355	883	—	652	—	6.59	297 x
1412	842	842	596	596	6.85, 6.85	
1377	1020	1019	742	741	7.01, 7.00	
1383	1020	1012	738	733	6.98, 6.96	
1260	230	—	183	—		
1350	460	—	342	—		
1351	589	—	436	—		
1351	679	—	502	—		
1348	711	—	529	—		
1336	843	—	632	—		
1348	1048	—	779	—		
1395	1107	—	795	—		
1345	1229	—	910	—		

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1929phae.proj.1268

28 New Series

24 GP - RH 645 - July 20, 1929

Con. from Bk 6 - P. 44

Strip	Class	Star	y	x	Dep1.	Dep1.	Cl	Dk	Volts
24.0	p	64	2401	778	1100	—	1723	152	
(Con)	f	52	2410	8188	1052	1044	1700	152	
24.2	p	65	2420	536	1224	—	1711	151	
	f	53	2427	1003	1171	1190	1673	151	
24.4	f	54	2452	1174	1120	1121	1720	153	
24.6	f	55	2468	950	1222	1232	1698	154	
	p	66	2462	1043	681	—	1724	153	
	p	67	2461	1098	1182	—	1719	153	
	p	68	2467	1208	1221	—	1715	154	
25.0	f	56	2514	511	818	814	1683	156	
	p	69	2509	868	1251	—	1683	158	
25.2	f	57	2530	389	(452 (measure affected by ink line??)	953	1619	151	
	f	58	2518	439	1208	1223	1675	158	
	p	70	2521	449	1270	—	1667	153	
	p	71	2520	681	519	—	1673	152	
	f	59	2528	1098	442	452	1678	151	
25.4	p	72	2549	569	1260	—	1681	152	
	f	60	2551	629	1231	1270	1694	153	
	p	73	2538	939	1181	—	1700	152	
		10	1959	821	200	—	1531	152	
		1	1980	460	429	—	1681	153	
		2	—	—	413	—	1701	157	
		3	—	—	500	—	1730	155	
		4	—	—	710	—	1698	154	
		5	—	—	720	—	1711	155	
		6	—	—	980	—	1700	155	
		7	—	—	1043	—	1707	154	
		8	—	—	1220	—	1708	157	527

Plate finished

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1929phae.proj.12680

Plate Rejected

α. -Dk	Defl. -Dk	Defl. -Dk	Reduced	Reduced	Magn.	L Ko
15 71	948	—	603	—		5708
15 18	900	892	593	589		
15 60	1073	—	689	—		679 ?
15 22	1020	1039	670	681		
15 67	967	967	617	617		
15 44	1068	1078	691	698		
15 71	528	—	336	—		474
15 66	1029	—	656	—		457
15 61	1067	—	683	—		1a
15 27	662	658	434	431		
15 25	1093	—	717	—		541
14 68	301	202	205	138		
15 22	1055	1070	693	703		
16 14	1117	—	738	—		683
16 21	367	—	242	—		536 ?
15 27	291	301	191	197		
15 29	1108	—	725	—		647 ?
15 41	1078	1117	698	724		
15 48	1035	—	669	—		523
13 79	48	—	35	—		
15 28	276	—	181	—		
15 44	256	—	166	—		
15 75	345	—	219	—		
15 44	556	—	360	—		
15 66	565	—	363	—		
15 45	825	—	533	—		
15 63	889	—	571	—		
15 61	1163	—	749	—		

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1929phae.proj.1268C

F.mc. July 22, 1929 R# 646

30 New Series

Strip	class	star	y	x	Dyp	Dyp	d	Dx	Volt
		15	1958	815	119	—	1851	110	5.00
		1	2010	457	181	—	1900	109	
		2	—	—	290	—	1880	109	
		3	—	—	389	—	1936	109	
		4	—	—	431	—	1948	109	
		5	—	—	570	—	1911	110	
		6	—	—	840	—	1921	110	
		7	—	—	910	—	1921	110	
		8	—	—	1350	—	1925	110	
14.6	f	1	1470	869	1160	1200	1960	113	
	f	2	1478	871	1169	1169	1935	113	
14.8	f	1	1491	672	570	—	1941	111	
	f	2	1479	718	1150	—	1911	111	
15.2	f	3	1580	510	1097	—	1930	110	
	f	3	1531	570	671	671	1939	110	
	f	4	1530	596	1019	—	1928	110	
	f	5	1537	669	1290	—	1922	110	
	f	6	1532	899	1032	—	1929	110	
15.4	f	4	1539	528	1010	1000	1915	111	
	f	7	1550	850	1189	—	1930	111	
	f	8	1548	951	700	—	1939	111	
15.6	f	6	1570	1040	500	482	1909	110	
15.8	f	9	1578	459	1258	—	1900	111	
	f	10	1590	685	895	—	1900	111	
	f	6	1592	1110	1330	1318	1950	113	
16.0	f	11	1612	910	1350	—	1920	115	
	f	12	1609	1170	1210	—	1950	114	
16.4	f	7	1652	545	708	710	1940	115	
	f	8	1640	750	1190	1190	1980	116	
	f	13	1657	960	850	—	1910	118	

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1929phae.proj.12680

CO.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1741	9	—	5	—		
1791	72	—	46	—		
1771	181	—	102	—		
1821	280	—	154	—		
1839	322	—	175	—		
1801	460	—	256	—		
1811	730	—	403	—		
1811	800	—	442	—		
1816	1240	—	683	—		
1841	1041	1087	567	588	7.84, 7.91	
1822	1056	1056	580	580	7.85, 7.88	
1830	459	—	251	—	6.40	1214 ×
1800	1039	—	576	—	7.87	
1820	987	—	543	—	7.74	1141 ×
1829	561	561	307	307	6.70, 6.70	
1818	909	—	501	—	7.59	1104 ×
1812	1180	—	652	—	8.14	1201 ×
1819	922	—	508	—	7.60	23 ×
1804	899	889	498	493	7.54, 7.62	
1819	1078	—	593	—	7.93	8 ×
1828	589	—	322	—	6.83	51 ×
1799	390	372	217	207	6.17, 6.12	
1789	1148	—	643	—	8.11	1110 ×
1789	784	—	438	—	7.35	1208 ×
1837	1217	1205	663	657	8.20, 8.17	
1805	1230	—	685	—	8.28	
1836	1096	—	597	—	7.95	135 ×
1825	593	595	325	326	6.80, 6.81	
1804	1074	1074	596	596	7.95, 7.95	
1792	732	—	409	—	7.22	

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1929phae.proj.1268

32 New Series

FMC R#646 July 22, 1929

strip	class	star	y	x	Dep	Dep	α	Dα	Volt
16.7	p	14	1640	1010	1341	—	1930	116	
16.8	p	15	1690	378	1049	—	1902	119	
	p	9	1690	526	1240	1230	1900	119	
	p	16	1678	750	722	—	1909	119	
	p	17	1690	759	1063	—	1898	119	
	p	10	1680	900	245	240	1895	115	
	p	18	1698	901	320	—	1909	113	
	p	19	1698	1021	767	—	1920	112	
		15	1958	815	130	—	1825	116	
		1	2010	457	200	—	1875	115	
		2	—	—	282	—	1860	115	
		3	—	—	390	—	1908	112	
		4	—	—	430	—	1892	115	
		5	—	—	590	—	1921	115	
		6	—	—	871	—	1880	115	
		7	—	—	890	—	1910	116	
		8	—	—	1390	—	1900	118	
	Dup.	—	R#646 -	July 22, 1929					005
		15	1958	814	120	—	1679	105	
		1	2010	457	209	—	1850	105	
		2	—	—	320	—	1920	108	
		3	—	—	398	—	1901	110	
		4	—	—	450	—	1922	110	
		5	—	—	590	—	1898	111	
		6	—	—	868	—	1907	112	
		7	—	—	938	—	1901	112	
		8	—	—	1070	—	1891	113	
17.0	p	20	1704	800	690	—	1931	114	
	p	21	1709	1022	1099	—	1930	119	
17.2	p	22	1717	371	786	—	1921	120	

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1929phae.proj.12680

α-Dk.	Defl.-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1814	1196	—	660	—	8.18	90 ×
1783	930	—	522	—	7.66	1043 ×
1781	1121	1111	630	624	8.08, 8.05	
1730	603	—	350	—	6.90	1242 ✓
1779	944	—	531	—	7.70	1246 ✓
1780	130	125	730	702	8.46, 8.34	
1796	207	—	105	—	6.35	56 ✓
1808	655	—	363	—	7.02	~~1152~~
1709	14	—	8	—		
1760	105	—	80	—		
1745	167	—	96	—		
1796	278	—	156	—		
1777	315	—	178	—		
1806	475	—	263	—		
1765	756	—	429	—		
1794	774	—	431	—		
1782	1272	—	715	—		
1674	15	—	10	—		
1745	104	—	60	—		
1812	212	—	117	—		
1791	288	—	161	—		
1812	340	—	188	—		
1781	479	—	258	—		
1795	756	—	422	—		
1789	826	—	463	—		
1778	1257	—	707	—		
1817	576	—	318	—	6.65	1279 ✓
1811	980	—	541	—	7.62	118 ✓
1801	666		370	—	6.88	1030 ×

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1929phae.proj.1268C

New Series

Dyff – RH646 – July 22, 1929

Ship	Class	Star	y	x	Dyff	Dyff. Cy.	Dx	Date
	p	23	1427	417	1169	—	1922	123
	f	11	1721	567	1299	1300	1921	124
	f	12	1720	690	201	201	1851	118
17.4	f	13	1740	639	1093	1094	1927	122
	p	24	1735	800	1247	—	1930	124
	p	25	1747	1052	1112	—	1912	124
	p	26	1751	1304	987	—	1817	125
17.6	p	27	1764	700	1305	—	1910	129
	p	28	1769	879	853	—	1910	127
	f	14	1777	911	1221	1220	1910	130
	p	29	1767	1169	498	—	1929	128
17.8	p	30	1793	594	1033	—	1935	130
18.0	f	15	1809	1098	391	390	1929	131
18.2	p	31	1827	238	892	—	1891	133
18.4	p	32	1840	699	1041	—	1912	134
	p	33	1839	782	1282	—	1940	146
	p	34	1840	1312	275	—	1943	141
18.6	f	16	1871	422	952	952	1882	141
	f	17	1870	871	430	426	1891	139
18.8	f	18	1880	800	1251	1251	1880	143
	p	36	1890	1056	487	—	1912	142
	p	36	1889	1303	1327	—	1933	145
	f	19	1883	1365	180	180	1897	143
19.0	p	37	1900	1163	730	—	1933	150
	f	20	1911	1251	1300	1302	1922	151
19.2	f	21	1915	640	1070	1067	1899	151
19.4	f	22	1937	1180	1162	1178	1900	153
	p	38	1939	281	1119	—	1909	160
	p	39	1950	467	1320	—	1919	160
	p	40	1937	1233	1175	—	1938	160

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1929phae.proj.1268

C.-Dk.	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1799	1046	—	583	—	7.79	1044 ×
1797	1175	1176	655	656	8.08, 8.09	
1733	83	83	48	48	4.00, 4.00	
1805	971	972	538	539	7.59, 7.60	
1806	1123	—	624	—	7.97	f v
1788	988	—	553	—	7.67	f v
1692	862	—	510	—	7.49	206 ×
1781	1176	—	661	—	8.12	1139 ×
1783	726	—	408	—	7.04	62 v
1780	1091	1090	615	614	7.94, 7.93	
1801	370	—	206	—	6.05	183 ×
1805	903	—	501	—	7.44	1109 ×
1798	260	259	145	144	5.03, 5.03	
1758	699	—	398	—	7.00	960 ? ×
1778	901	—	511	—	7.50	1171 v
1794	1136	—	634	—	8.02	h v
1802	134	—	74	—	4.54	239 ×
1741	811	811	467	467	7.29, 7.29	
1752	291	287	166	164	5.74, 5.74	
1737	1108	1108	639	639	8.03, 8.03	
1770	345	—	195	—	5.98	205 v
1788	1182	—	662	—	8.13	2225 ×
1754	37	37	21	21	3.13, 3.13	
1783	580	—	320	—	6.65	240 v
1771	1149	1151	649	650	8.06, 8.07	
1748	919	916	526	525	7.05, 7.04	
1747	1009	1025	577	587	7.77, 7.81	
1749	959	—	550	—	7.65	926 ×
1759	1160	—	661	—	8.11	948 v
1778	1015	—	582	—	7.79	264 ×

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1929phae.proj.12680

36 New Series

DLP – RZ646 – July 22, 1929

Strip	Class	Star	y	x	Dyll	Dyll	Cl	Lb Volts
19.6	l	23	1974	480	1320	1312	1940	161
	l	24	1975	610	951	959	1949	161
	l	25	1971	1279	520	513	1930	157
	l	26	1960	1370	1108	1110	1952	160
19.8	p	41	1990	371	1220	—	1910	160
	p	42	1989	1109	1247	—	1949	162
20.0	p	43	2010	680	1249	—	1931	161
	p	44	2000	1141	710	—	1961	160
	p	45	2010	1392	780	—	1974	160
20.2	p	46	2020	1166	655	—	1952	160
20.6	l	27	2063	357	1285	1280	1910	160
	l	28	2069	446	251	251	1839	159
	l	29	2059	964	583	591	1930	159
	l	30	2071	1128	662	662	1952	160
	p	47	2055	1209	1000	—	1961	160
	l	31	2059	1257	1290	1291	1963	160
20.8	p	48	2090	297	1290	—	1924	161
	l	32	2079	930	1378	1383	1922	163
	l	33	2081	1360	667	667	1921	160
	l	14	1958	814	180	—	1722	160
		1	2010	457	280	—	1879	160
		2	—	—	390	—	1939	161
		3	—	—	469	—	1919	160
		4	—	—	535	—	1942	160
		5	—	—	679	—	1918	160
		6	—	—	925	—	1932	161
		7	—	—	1040	—	1930	161
		8	—	—	1400	—	1912	161

500

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1929phae.proj.12680

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1779	1159	1157	651	648	8.07, 8.06	
1788	790	798	443	445	7.19, 7.20	
1773	363	356	205	201	6.04, 6.02	
1792	948	950	530	531	7.57, 7.58	
1760	1060	—	607	—	7.90	
1787	1085	—	608	—	7.90	274 V
1770	1088	—	615	—	7.90	2r ×
1801	550	—	306	—	6.60	279 V
1814	680	—	375	—	6.91	297 ×
1792	495	—	276	—	6.47	294 V
1750	1125	1120	643	640	8.04, 8.03	
1686	92	92	65	55	4.16, 4.16	
1771	424	432	239	244	6.26, 6.29	
1792	502	502	280	280	6.49, 6.49	
1801	890	—	494	—	7.41	2a ×
1803	1130	1131	628	629	7.98, 7.99	
1763	1129	—	640	—	8.03	880 ×
1759	1215	1220	693	695	8.25, 8.25	
1761	507	507	288	288	6.62, 6.62	
1562	20	—	13	—		
1719	120	—	70	—		
1718	229	—	129	—		
1759	309	—	176	—		
1782	375	—	216	—		
1758	519	—	295	—		
1771	764	—	432	—		
1769	879	—	497	—		
1757	1239	—	707	—		

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1929phae.proj.1268C

38 ΣMC RH 646 July 23, 1929

New Series

Trip	Case	Star	y	x	Dyc	Dyc	d	Db	Volt
		1S	1958	910	055	—	1911	050	5.21
		1	2010	550	108	—	1960	050	
		2	—	—	190	—	1931	050	
		3	—	—	265	—	1981	050	
		4	—	—	315	—	1970	050	
		5	—	—	418	—	1960	050	
		6	—	—	739	—	1960	050	
		7	—	—	849	—	1962	050	
		8	—	—	1330	—	1979	050	
21.0		49	2104	1150	1061	—	1982	051	
21.2		34	2132	382	1180	1190	1970	051	
21.4		50	2149	1100	472	—	1979	058	
		35	2155	1179	602	612	1975	053	
21.8		61	2190	318	830	—	1939	060	
		36	2190	490	1330 19	1300	1960	060	
		52	2180	680	1315	—	1965	060	
		53	2189	1320	1272	—	1960	060	
22.0		37	2210	380	1300	1290	1930	060	
		38	2209	450	680	690	1932	060	
		54	2216	488	695	—	1980	060	
		55	2211	828	509	—	1960	060	
		39	2210	1259	1320	1320	1981	060	
		40	2211	1325	1240	1240	1989	060	
22.4		56	2250	310	1330	—	1919	061	
		41	2250	578	600	600	1940	061	
22.6		57	2269	340	980	—	1939	061	
		42	2262	360	1291 738	1295 4	1909	061	
		43	2259	407	819	790	1948	060	
		58	2279	552	1310	—	1950	060	
		44	2270	605	1259	—	1961	060	
		58l							

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1929phae.proj.12680

cl. Dk.	Diff. Dk	Diff Dk	Reduced	Reduced	Magn.	L. No.
1861	5	—	3	—		
1910	58	—	30	—		
1881	140	—	74	—		
1931	215	—	111	—		
1926	265	—	138	—		
1810	368	—	204	—		
1910	689	—	361	—		
1912	799	—	417	—		
1929	1280	—	664	—		
1931	1010	—	523	—	7.75	338 v
1919	1129	1139	588	593	8.01, 8.03	
1921	414	—	215	—	6.50	376 v
1922	549	559	285	291	6.83, 6.87	
1879	770	—	411	—	7.32	844 x
1900	1259	1240	662	653	8.30, 8.26	
1905	1255	—	659	—	8.27	765 v
1900	1212	—	639	—	8.20	
1870	1240	1230	664	658	8.31, 8.27	
1872	620	630	332	337	7.03, 7.04	
1920	635	—	331	—	7.02	805 v
1900	449	—	236	—	6.63	627 v
1921	1260	1260	656	656	8.27, 8.27	
1929	1180	1180	612	612	8.10, 8.10	
1858	1269	—	682	—	8.37	
1879	539	539	287	287	6.84, 6.84	
1878	919	—	490	—	7.64	809 x
1848	1230	1234	666	668	8.31, 8.31	
1888	678	680	360	361	7.12, 7.13	
1890	1250	—	661	—	8.29	
1901	1199	—	630	—	8.18	748 v

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1929phae.proj.12680

40 Hud Secs

Fmc RH 646 July 23, 1929

Strip	Class	Star	y	x	Dyff	Dyfe	α	Dh	Vark
22.6	6	45	2271	700	710	730	1939	060	
	p	59	2270	1160	1282	—	1979	060	
22.8	p	60	2280	835	1218	—	1961	061	
	p	46	2280	998	1249	1230	1960	061	
23.0	p	47	2305	885	855	879	1955	060	
	p	48	2300	960	570	552	1980	060	
23.2	p	61	2324	400	1242	—	1862	061	
	p	62	2328	807	601	—	1930	062	
	p	63	2330	863	970	—	2000	061	
23.4	p	49	2347	788	755	769	1950	061	
	p	64	2349	1161	1150	—	1970	061	
23.6	p	50	2370	632	971	1000	1950	061	
	p	65	2360	733	1260	—	1970	060	
	p	66	2360	1280	459	—	1980	062	
		15	1958	910	065	—	1850	060	
		1	2010	550	112	—	1925	060	
		2	—	—	181	—	1910	060	
		3	—	—	280	—	1960	058	
		4	—	—	360	—	1950	060	
		5	—	—	440	—	1932	060	
		6	—	—	740	—	1935	060	
		7	—	—	820	—	1960	060	
		8	—	—	1350	—	1940	060	

Ngp-	RH	646-	July 23, 1929					
	15	1958	910	034	—	1712	029	520
	1	2010	551	091	—	1847	030	
	2	—	—	169	—	1909	033	
	3	—	—	260	—	1900	038	
	4	—	—	312	—	1913	041	
	5	—	—	428	—	1909	040	

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⊙ - Dt.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1879	650	670	346	357	7.07, 7.11	
1919	1122	—	586	—	8.01	425 v
1900	1159	—	609	—	8.08	601 x
1899	1188	1169	626	616	8.15, 8.11	
1895	795	819	420	432	7.36, 7.42	
1920	510	492	266	256	6.75, 6.72	
1801	1181	—	656	—	8.27	[illegible] x
1868	539	—	288	—	6.85	625 v
1939	909	—	469	—	7.55	
1889	694	708	365	376	7.15, 7.18	
1909	1089	—	623	—	8.14	451 v
1889	910	939	483	497	7.62, 7.67	
1916	1200	—	628	—	8.16	664 x
1918	397	—	207	—	6.46	426 x
1796	6	—	3	—		
1865	52	—	28	—		
1856	121	—	65	—		
1902	222	—	117	—		
1890	300	—	169	—		
1872	380	—	203	—		
1875	680	—	363	—		
1900	760	—	400	—		
1880	1290	—	686	—		
1683	5	—	3	—		
1819	61	—	34	—		
1876	136	—	73	—		
1862	222	—	119	—		
1872	271	—	145	—		
1869	388	—	208	—		

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1929phae.proj.1268c

42 New Series — Dipper RH 646 — July 23, 1929

Strip	Class	Star	y	x	Dyf	Dxf	d	Dh	Volt
		6	—	—	729	—	1911	041	
		7	—	—	810	—	1949	042	
		8	—	—	1220	—	1910	042	
23.8	p	67	2389	662	1290	—	1937	041	
	p	68	2381	764	820	—	1939	041	
	f	51	2390	780	561	558	1931	043	
24.0	p	69	2408	813	539	—	1930	041	
	p	70	2408	862	981	—	1961	050	
	p	71	2402	901	861	—	1933	052	
	f	52	2402	972	963	970	1953	052	
24.2	f	43	2420	1091	1201	1180	1968	058	
	p	72	2431	1337	1283	—	1991	061	
24.4	p	73	2440	662	1072	—	2011	068	
	p	74	2442	1172	480	—	1990	067	
	p	75	2439	1225	1191	—	2032	068	
	f	54	2450	1261	1225	1201	2051	061	
25.0	f	55	2510	525	1215	1191	2130	071	
	f	56	2508	599	562	557	2089	063	
	p	76	2510	624	1269	—	2103	068	
	p	77	2510	1017	277	—	2122	069	
25.2	f	57	2521	477	140	140	2060	069	
	p	78	2523	1073	241	—	2170	070	
	f	58	2521	1122	261	260	2145	070	
25.4	f	79	2550	584	1312	—	2120	071	
	f	59	2551	831	1015	1020	2144	071	
	f	60	2551	960	149	151	2152	069	
25.6	p	80	2568	706	1299	—	2141	081	
	p	81	2570	1188	979	—	2198	082	
25.8	p	82	2580	673	154	—	2139	080	
		10	1958	910	091	—	1970	083	

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1929phae.proj.12680

Cl. Dk.	Decl.-Dk.	Decl.-Dk.	Reduced	Reduced	Magn.	L. No.	
1870	688	—	368	—			
1907	768	—	403	—			
1868	1278	—	685	—			
1896	1249	—	659	—	9.	688 v	mag?
1898	779	—	411	—	7.31	42 6 ~~88~~ v	
1888	518	515	275	273	6.72, 6.71		
1889	498	—	264	—	6.67	606 v	
1911	931	—	487	—	7.53	587 v	
1881	809	—	430	—	7.36	570 v	
1901	911	918	480	483	7.51, 7.52		
1910	1143	1122	601	589	7.87, 7.82		
1930	1222	—	635	—	7.97		
1942	1004	—	517	—	7.60	679 v	
1923	413	—	215	—	6.44	474 x	
1941	1123	—	574	—	7.78	457 x	
1990	1164	1140	587	574	7.82, 7.77		
2059	1144	1120	557	545	7.74, 7.70		
2026	499	494	246	243	6.58, 6.56		
2035	1201	—	592	—	7.83	681 x	
2053	208	—	101	—	5.52	536 x	
1991	71	71	36	36	4.25, 4.25		
2100	171	—	81	—	5.25	523 x	
2075	191	190	92	92	5.40, 5.40		
2049	1241	—	117	—	5.19	683 x	
2073	944	949	456	458	7.45, 7.46		
2083	80	82	38	39	4.36, 4.37		
2060	1218	—	592	—	7.83	647 x	
2116	897	—	425	—	7.35	498 x	
2063	74	—	36	—	4.25	660 x	
1887	08	—	04	—			

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1929phae.proj.1268C

New Series

Strip	Class	Star	Y	X	Dyd	Dyd.	Cl.	Dk.	Tabs
		1	2010	551	180	—	2137	087	
Plate		2	—	—	290	—	2188	088	
Finished		3	—	—	370	—	2162	082	
		4	—	—	429	—	2197	081	
		5	—	—	563	—	2151	082	
		6	—	—	908	—	2158	082	
		7	—	—	970	—	2168	091	
		8	—	—	1490	—	2140	088	520

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Cl. Dk	Defl. Dk.	Defl. - Dk.	Reduced	Reduced Magn.	L. No.
2050	93	—	45	—	
2095	202	—	97	—	
2080	268	—	129	—	
2016	358	—	178	—	
2069	481	—	232	—	
2076	826	—	399	—	
2077	879	—	423	—	
2052	1402	—	684	—	

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1929phae.proj.1268

46

New Series

FMC RH 1155 July 25, 1929

Strip	Class	star	y	x	Defl.	Defl.	Cl.	DD	volt.
					320				
		1S	20 20	839	070	—	1160	070	5.20
		1	1819	538	571	—	1150	070	
		2	—	—	635	—	1141	069	
		3	—	—	722	—	1181	069	
		4	—	—	751	—	1154	070	
		5	—	—	839	—	1200	070	
		6	—	—	962	—	1190	070	
		7	—	—	990	—	1215	070	
		8	—	—	1100	—	1170	070	
20.0	f	1	2000	695	1000	996	1175	071	
	f	2	2000	800	992	940	1190	070	
	f	1	1999	857	852	—	1200	070	
	f	3	2001	1065	1052	1061	1230	070	
20.2	f	2	2030	515	1100	—	1191	071	
	f	3	2025	1155	1092	—	1260	073	
20.4	f	4	2049	920	1078	1070	1215	075	
20.6	f	5	2070	649	880	880	1200	078	
20.8	f	6	2090	405	1082	1090	1220	080	
21.0	f	7	2102	549	1092	1100	1221	080	
21.2	f	4	2120	391	1061	—	1230	081	
	f	5	2138	1059	849 10	—	1250	081	
	f	6	2120	1230	830	—	1259	081	
21.4	f	7	2151	605	882	—	1221	082	
21.8	f	8	2189	422	1100	1100	1250	088	
	f	9	2180	1100	958	960	1260	088	
22.0	f	8	2210	929	1100	—	1270	089	
	f	9	2209	565	1100	—	1238	089	
	f	10	2212	1138	955	—	1260	089	
	f	10	2210	1309	900	909	1322	088	
	f	11	2210	1339	1100	—	1315	089	

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1929phae.proj.12660

Cl.-Dk	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	L. Kr.
1090	250	—	229	—		
1080	501	—	464	—		
1072	566	—	528	—		
1112	653	—	587	—		
1084	681	—	628	—		
1130	769	—	681	—		
1120	892	—	796	—		
1145	920	—	804	—		
1100	1030	—	927	—		
1104	929	925	841	837	7.55, 7.53	
1120	862	870	770	777	7.06, 7.10	
1130	782	—	692	—	6.46	no 5 sequence star
1160	982	991	847	853	7.08, 7.64	
1120	1029	—	918	—	8.13	765 x
1187	1019	—	859	—	7.57	b v
1140	1003	995	880	872	7.87, 7.82	
1122	802	802	715	715	6.69, 6.69	
1150	1002	1010	872	878	7.80, 7.86	
1141	1012	1020	886	892	7.93, 7.97	
1149	980	—	857	—	7.54	713 v
1169	729	—	624	—	5.97	205 v
1178	749	—	636	—	6.06	183 x
1139	800	—	703	—	6.53	627 v
1162	1012	1012	871	871	7.80, 7.80	
1172	870	872	743	745	6.87, 6.88	
1181	1011	—	857	—	7.56	679 v
1149	1011	—	881	—	7.77	601 v
1171	866	—	739	—	6.74	240 v
1234	812	821	658	665	6.26, 6.32	
1226	1011	—	825	—	7.33	206 x

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48

New Series

FMC R.A. 1155 July 25, 1929

Strip	Class	Star	y	x	Diff	Diff	c	Dk	Volt
22.2	f	12	2238	441	1032	—	1250	090	
	f	13	2221	511	900	—	1240	090	
	f	11	2235	580	1062	1070	1240	090	
22.4	f	12	2252	158	869	869	1258	090	
	f	13	2240	260	885	880	1240	090	
	f	14	2251	700	1085	1080	1221	090	
22.6	f	15	2270	734	720	725	1210	090	
	f	14	2270	1050	901	—	1260	090	
22.8	f	15	2289	461	898	—	1249	090	
	f	16	2292	708	981	995	1220	088	
	f	17	2280	840	670	671	1220	089	
	f	16	2289	850	850	—	1220	088	
	f	17	2290	918	1050	—	1230	088	
		15	2020	839	331	—	1189	083	
		1	1819	538	610	—	1170	085	
		2	—	—	669	—	1160	083	
		3	—	—	749	—	1200	080	
		4	—	—	767	—	1170	080	
		5	—	—	865	—	1211	081	
		6	—	—	982	—	1208	088	
		7	—	—	1050	—	1225	088	
		8	—	—	1120	—	1189	088	
		10	2020	839	344	—	1120	080	
		1	1819	536	584	—	1167	084	
		2	—	—	648	—	1159	081	
		3	—	—	749	—	1201	083	
		4	—	—	769	—	1172	082	
		5	—	—	860	—	1210	082	
		6	—	—	980	—	1201	082	

Dup - R.A. 1155 - July 25, 1929

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1929phae.proj.12680

Cl. Dk.	Diff. Dk.	Diff. Dk.	Reduced	Reduced	Magn.	L. No.
1160	942	—	813	—	7.23	642 v
1150	810	—	705	—	6.55	625 v
1150	972	980	846	853	7.57, 7.62	
1168	779	779	667	667	6.34, 6.34	
1150	795	790	692	687	6.53, 6.50	
1131	995	990	879	876	7.86, 7.84	
1120	630	635	562	567	5.49, 5.53	
1170	811	—	694	—	6.49	279 v
1159	808	—	693	—	6.49	606 v
1132	893	907	790	802	7.20, 7.39	
1131	581	582	514	515	5.07, 5.08	
1132	762	—	674	—	6.35	376 v
1142	962	—	843	—	7.44	338 v
1106	248	—	224	—		
1085	525	—	484	—		
1077	586	—	545	—		
1120	669	—	603	—		
1090	687	—	630	—		
1130	784	—	695	—		
1126	894	—	798	—		
1137	962	—	846	—		
1101	1032	—	937	—		
1040	264	—	254	—		
1083	508	—	462	—		
1078	567	—	529	—		
1118	666	—	598	—		
1090	687	—	631	—		
1128	778	—	691	—		
1119	898	—	804	—		

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1929phae.proj.1268

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DJP – RH 1155 – July 25, 1929

New Series

Strip	class	star	y	x	Diff	Diff	a	Da	Volt
		7	+	+	1000	+	1210	085	
		8	–	–	1119	–	1190	086	520
23.0	p	18	2302	1056	858	–	1253	089	
	p	19	2295	1322	544	–	1301	089	
23.2	p	20	2320	243	520	–	1236	088	
	p	21	2330	273	1053	–	1228	089	
	p	22	2320	499	1041	–	1232	089	
	p	18	2331	503	221	229	1130	082	
	p	19	2321	640	861	859	1218	090	
23.4	p	20	2341	190	830	836	1249	092	
	p	23	2341	530	1006	–	1208	097	
	p	21	2340	815	1040	1041	1224	095	
23.6	p	24	2359	1062	1080	–	1255	100	
23.8	p	22	2380	900	640	640	1257	096	
24.0	p	23	2407	349	1060	1050	1223	099	
	p	25	2410	1188	940	–	1299	098	
24.6	p	24	2455	349	798	799	1179	098	
	p	25	2458	485	1062	1071	1229	099	
24.8	p	26	2480	538	1100	–	1238	100	
	p	27	2480	761	1078	–	1262	100	
25.0	p	28	2500	541	640	–	1230	100	
	p	26	2504	599	749	755	1231	100	
25.2	p	27	2526	358	821	831	1228	093	
	p	28	2530	380	1021	1021	1219	092	
	p	29	2531	850	1020	–	1249	092	
	p	29	2520	960	1078	1060	1251	091	
25.4	p	30	2549	576	1052	–	1230	095	
	p	30	2535	1045	912	926	1260	090	
25.6	p	31	2553	703	770	–	1247	090	
	p	31	2567	841	745	–	1252	090	

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Cl.-Dk.	Defl.-Db.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1125	915	—	813	—		
1104	1033	—	936	—		
1164	769	—	661	—	6.21	294 v
1212	455	—	376	—	3.67	242 x
1148	432	—	376	—	3.67	660 x
1139	964	—	847	—	7.46	647 x
1143	952	—	834	—	7.40	587 v
1048	139	147	121	128	off curve, off curve	
1128	771	769	684	682	6.44, 6.42	
1157	738	744	638	643	6.07, 6.11	
1111	909	—	817	—	7.30	570 ~~200~~ v
1132	945	946	936	937	off curve, off curve	
1155	980	—	848	—	7.46	29 x
1161	524	544	468	468	4.52, 4.52	
1124	961	951	855	846	7.79, 7.71	
1201	842	—	702	—	6.55	297 x
1081	760	701	593	594	5.66, 5.67	
1130	963	972	852	860	7.74, 7.82	
1138	1000	—	878	—	7.60	541 v
1162	978	—	842	—	7.43	451 v
1130	540	—	478	—	4.62	536 x
1131	649	655	573	578	5.50, 5.53	
1135	728	738	642	651	6.10, 6.17	
1127	929	929	825	825	7.54, 7.54	
1157	928	—	803	—	7.22	420 x
1160	987	969	852	836	7.75, 7.63	
1135	957	—	843	—	7.43	523 x
1170	822	830	703	710	6.56, 6.62	
1157	680	—	588	—	5.61	474 x
1162	655	—	563	—	5.40	426 x

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1929phae.proj.12680

52 New Series

Diff - RH 1155 - July 25, 1929

Trip	Class	Star	y	x	Dyff	Dyfl.	Cl.	Dk.	Dats
25.8	p	33	2586	748	1080	—	1237	091	
	f	31	2595	785	795	795	1261	092	
	f	32	2570	1050	861	861	1260	091	
26.0	f	33	2610	868	712	710	1251	091	
26.2	p	34	2626	497	1020	—	1218	091	
26.6	p	35	2660	630	960	—	1242	090	
	f	34	2660	763	970	970	1260	091	
	f	1a	2020	839	351	—	1123	092	
		1	1819	536	604	—	1160	092	
		2	—	—	655	—	1157	091	
		3	—	—	748	—	1180	091	
		4	—	—	770	—	1162	091	
		5	—	—	860	—	1201	091	
		6	—	—	978	—	1193	091	
		7	—	—	991	—	1211	091	
		8	—	—	1112	—	1187	092	520

Plate finished

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1929phae.proj..1268c

Cl. Dk	Defl. Dk	Defl. Dk	Reduced	Reduced	Magn.	L. Ko.
1146	989	—	865	—	7.55	457 x
1169	703	703	602	602	5.74, 5.74	
1169	770	770	660	660	6.23, 6.23	
1160	621	619	535	533	5.15, 5.13	
1127	929	—	825	—	7.35	534 x
1162	870	—	755	—	6.90	498 x
1169	879	879	753	753	6.96, 6.96	
1041	259	—	249	—		
1068	512	—	480	—		
1066	564	—	530	—		
1089	657	—	604	—		
1071	679	—	634	—		
1110	769	—	694	—		
1102	887	—	805	—		
1120	900	—	805	—		
1095	1020	—	932	—		

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1929phae.proj.12680

54 New Series

FMC RH 1156 July 26, 1929

Trip	Class	Star	y	x	Dec	Dec	cc	Dh	Vol
		18	3619	835	268	—	1358	060	
		1	1821	529	591	—	1460	060	
		2	—	—	621	—	1390	058	
		3	—	—	725	—	1388	060	
		4	—	—	839	—	1460	060	
		5	—	—	901	—	1390	060	
		6	—	—	1070	—	1410	061	
		7	—	—	1131	—	1450	065	
		8	—	—	1282 300	—	1390	065	
14.8	f	1	1491	550	592	590	1460	063	
	f	1	1490	890	1021	—	1385	065	
15.0	f	2	1500	812	1198	—	1401	065	
	f	2	1500	871	860	851	1382	063	
15.2	f	3	1530	677	1108	—	1435	066	
	f	3	1521	719	1291	1291	1430	069	
	f	4	1530	742	1310	—	1430	070	
15.4	f	5	1541	480	1007	—	1490	070	
	f	4	1540	609	765	772	1435	069	
	f	5a 5	1549	655	995	—	1438	070	
	f	5	1551	930	871	871	1390	070	
	f	6	1551	950	1090	—	1402	070	
15.6	f	7	1570	611	1283	—	1440	071	
	f	6	1571	841	1310	1311	1412	072	
	f	8	1577	1030	722	—	1400	072	
15.8	f	9	1582	682	1168	—	1450	074	
	f	10	1591	1072	1115	—	1401	075	
16.0	f	7	1605	479	890	891	1469	072	
	f	8	1610	722	1239	1248	1438	073	
	f	11	1606	940	1209	—	1410	075	
	f	12	1602	1000	1220	—	1400	078	

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1929phao.proj.1268

Dk	Dfl-Dk	Dfl-Dk	Reduced	Reduced	Magn.	L. No
1298	208		160	—		
1400	531	—	380	—		
1332	563	—	423	—		
1328	665	—	502	—		
1400	779	—	556	—		
1330	841	—	632	—		
1349	1809	—	949	—		
1386	1066	—	770	—		
1326	1235	—	892	—		
1377	529	527	384	383	4.89, 4.88	
1320	956	—	726	—	6.17	1141 x
1336	1133	—	848	—	7.88	1110 x
1319	797	788	605	597	6.27, 6.22	
1369	1042	—	763	—	7.24	1043 x
1361	1222	1222	897	897	8.27, 8.27	
1360	1240	—	913	—	8.41	
1400	937	—	669	—	6.63	
1366	696	703	516	515	5.74, 5.77	
1368	925	—	677	—	6.49	1030 x
1320	801	801	607	607	6.28, 6.28	
1332	1020	—	765	—	7.26	1104 x
1369	1212	—	886	—	8.17	
1340	1238	1234	923	924	8.52, 8.53	
1328	650	—	489	—	6.59	1214 x
1376	1094	—	796	—	7.48	1044 x
1326	1040	—	785	—	7.42	
1397	818	819	585	586	6.17, 6.18	
1366	1166	1176	854	861	7.95, 7.98	
1375	1184	—	850	—	7.90	1176 x
1328	1142	—	864	—	8.01	1201 x

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1929phae.proj.1268C

56 FMc RH 1156 : July 26, 1929

New Series

Strip	class	star	y	x	Dec i	Dec ii	cl	Th	Vals
16.2	p	13	162.8	371	1310	—	1485	080	
	p	14	1630	992	1291	—	1388	080	
	f	9	1630	1129	1149	1130	1410	080	
16.4	f	10	1650	690	1290	1291	1462	080	
	p	15	1654	978	1020	—	1401	080	
16.6	f	11	1675	923	971	960	1401	082	
16.8	p	16	1690	1060	1299	—	1379	085	
		18	2019	835	832	—	1380	085	
		1	1821	529	660	—	1490	082	
		2	—	—	673	—	1415	081	
		3	—	—	769	—	1410	082	
		4	—	—	882	—	1482	082	
		5	—	—	948	—	1412	081	
		6	—	—	1092	—	1490	081	
		7	—	—	1161	—	1470	082	
		8	—	—	1285	—	1405	082	

Dup- RH 1156 - July 26, 1929

									510
		10	2019	835	320	—	1320	078	
		1	1821	529	650	—	1489	079	
		2	—	—	690	—	1437	081	
		3	—	—	780	—	1427	080	
		4	—	—	910	—	1509	082	
		5	—	—	961	—	1423	082	
		6	—	—	1112	—	1451	087	
		7	—	—	1184	—	1499	088	
		8	—	—	1307	—	1421	090	
17.0	p	17	1700	888	1200	—	1490	090	
	f	12	1711	911	1216	1213	1443	091	
17.2	f	13	1718	1079	454	456	1960	090	

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1929phae.proj..12680

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ko.
1405	1230	—	875	—	8.08	39 x
1308	1211	—	926	—	8.55	
1330	1069	1050	804	790	7.55, 7.45	
1382	1210	1211	875	876	8.08, 8.09	
1321	940	—	711	—	6.90	1208 x
1319	889	878	674	665	6.68, 6.63	
1314	1214	—	923	—	8.51	
1295	247	—	191	—		
1408	578	—	412	—		
1334	592	—	444	—		
1328	687	—	517	—		
1400	806	—	571	—		
1331	887	—	650	—		
1349	1011	—	749	—		
1388	1079	—	776	—		
1323	1203	—	916	—		
1242	242	—	195	—		
1410	691	—	405	—		
1356	609	—	449	—		
1347	700	—	519	—		
1427	828	—	581	—		
1341	879	—	655	—		
1364	1025	—	752	—		
1411	1096	—	774	—		
1331	1217	—	913	—		
1340	1110	—	827	—	7.69	1166 v
1352	1125	1122	832	830	7.72, 7.70	
1270	364	366	287	288	3.86, 3.89	

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1929phae.proj.12680

58 Need Series

21P - DA - 1156 — July 26, 1929

Step	class	star	y	x	Dyy	Dxx	a	Dk	Volt
	p	18	1731	1129	1213	—	1421	093	
17.4	p	19	1752	477	1275	—	1513	098	
	p	20	1751	772	1158	—	1469	098	
	p	21	1753	992	1043	—	1417	100	
	l	14	1748	1030	1182	1177	1424	101	
17.6	p	22	1763	970	970	—	1420	102	
17.8	p	23	1779	967	1152	—	1439	104	
18.0	p	24	1806	230	1228	—	1570	103	
	p	25	1799	1209	967	—	1419	102	
	l	15	1811	1297	960	960	1418	104	
18.2	p	26	1820	529	681	—	1502	104	
	p	27	1818	989	970	—	1411	103	
18.4	p	28	1853	821	1162	—	1463	108	
	l	16	1840	1283	680	681	1412	105	
18.6	p	29	1872	1078	712	—	1428	104	
18.8	p	30	1880	200	1270	—	1568	105	
19.0	l	17	1910	839	1139	1141	1452	110	
19.2	p	31	1934	347	1171	—	1553	111	
	p	32	1918	1009	1095	—	1420	111	
	l	18	1919	1060	1160	1143	1409	111	
19.4	l	19	1952	246	1303	1291	1570	117	
19.6	l	20	1970	349	1230	1238	1542	119	
	p	33	1970	699	1280	—	1470	120	
	p	34	1968	1156	1197	—	1410	120	
19.8	l	21	1994	602	1160	1156	1510	119	
	l	22	1981	1040	1089	1084	1379	119	
20.0	l	23	2010	610	1253	1253	1459	119	
20.2	l	24	2019	187	1093	1080	1531	121	
	p	35	2012	1153	1170	—	1370	121	
20.4	l	25	2032	462	1283	1281	1479	123	

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1929phae.proj.1268

C.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. K.
1328	1120	—	843	—	7.79	—8 x
1415	1177	—	893	—	7.73	—
1371	1060	—	772	—	7.31	1109 v
1317	943	—	716	—	6.91	1251 v
1323	1081	1076	816	828	7.62, 7.69	
1318	868	—	658	—	6.63	1242 v
1335	1048	—	785	—	7.40	1246 v
1467	1125	—	768	—	7.28	844 x
1317	865	—	657	—	6.63	51 x
1314	856	856	652	652	6.62, 6.62	
1398	577	—	414	—	5.14	903 x
1308	867	—	664	—	6.68	1279 v
1355	1054	—	778	—	7.37	1171 v
1307	575	576	440	441	5.24, 5.25	
1324	608	—	458	—	5.30	56 v
1463	1165	—	703	—	6.82	809 x
1342	1029	1031	765	768	7.34, 7.36	
1442	1066	—	734	—	7.03	805 v
1309	984	—	752	—	7.18	62 v
1298	1049	1033	808	796	7.58, 7.51	
1463	1186	1174	815	808	7.61, 7.57	
1423	1111	1119	780	786	7.43, 7.45	
1350	1160	—	858	—	7.89	2r x
1290	1077	—	835	—	7.73	118 v
1391	1041	1037	738	744	7.18, 7.22	
1266	970	965	768	765	7.35, 7.34	
1340	1134	1134	847	847	7.80, 7.80	
1410	972	959	689	679	6.88, 6.80	
1249	1049	—	840	—	7.76	b v
1356	1160	1158	853	854	7.85, 7.84	

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1929phae.proj.12680

60 New Series

DGP-RH 1156 – July 26, 1929

Strip	Class	Star	y	x	Dff	Dff	Cl.	Lk.	Volts
	p	36	2099	1042	1217	—	1341	121	
21.0	f	26	2100	890	559	562	1333	119	
	p	37	2104	1229	811	—	1359	119	
21.2	p	38	2129	393	1214	—	1439	121	
	p	39	2127	1060	804	—	1330	119	
21.6	f	40	2158	607	963	—	1420	121	
21.8	f	27	2191	621	1072	1071	1409	121	
	f	28	2189	748	1220	1222	1378	120	
	p	41	2182	1341	1059	—	1310	118	
22.0	f	29	2206	213	1258	1258	1441	119	
	p	42	2205	440	1250	—	1401	118	
	p	43	2210	569	1219	—	1420	117	
	p	44	2201	1139	930	—	1319	117	
22.2	f	30	2228	243	842	849	1429	120	
	p	45	2220	931	1194	—	1402	120	
	p	46	2229	576	970	—	1393	120	
	p	47	2231	1039	1148	—	1300	120	
22.4	p	48	2251	200	1239	—	1430	120	
	f	31	2248	211	1156	1151	1423	120	
	p	49	2248	257	1217	—	1426	122	
	f	32	2251	349	792	800	1410	119	
	p	50	2242	448	1100	—	1383	120	
	f	33	2250	820	960	960	1322	120	
	p	50	2256	1290	557	—	1327	120	
		10	2019	835	312	—	1190	120	
		1	1821	529	620	—	1370	120	
		2	—	—	655	—	1356	120	
		3	—	—	745	—	1345	120	
		4	—	—	859	—	1410	119	
		5	—	—	892	—	1342	119	

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1220	1096	—	898	—	8.18	h ✓
1214	440	443	862	365	4.60, 4.63	
1246	692	—	557	—	5.91	183 ×
1318	1083	—	822	—	7.67	713 ✓
1211	685	—	565	—	5.96	205 ✓
1299	842	—	649	—	6.47	627 ✓
1288	951	950	739	738	7.19, 7.18	
1258	1100	1102	876	877	8.01, 8.01	
1192	941	—	790	—	7.43	206? ×
1322	1139	1139	860	860	7.85, 7.88	
1283	1132	—	883	—	8.08	664 ×
1303	1102	—	845	—	7.80	601 ✓
1202	813	—	676	—	6.66	240 ✓
1309	722	723	552	553	5.97, 5.98	
1282	1074	—	837	—	7.76	679 ✓
1273	850	—	668	—	6.60	625 ✓
1180	1028	—	870	—	8.00	274 ✓
1310	1119	—	864	—	7.87	683 ×
1303	1036	1039	794	791	7.58, 7.48	
1304	1095	—	839	—	7.75	681 ×
1291	673	681	521	527	5.78, 5.81	
1263	980	—	775	—	7.34	642 ✓
1202	840	840	698	698	6.94, 6.94	
1207	437	—	362	—	4.60	239 ×
1070	192	—	180	—		
1256	500	—	401	—		
1236	535	—	433	—		
1225	625	—	511	—		
1291	740	—	573	—		
1223	773	—	632	—		

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1929phae.proj.12680

62 New Series HJM, RH 1156 — July 26, 1929

Strip	Class	Star	y	x	Dfl.	Dfl.	Cl.	Db.	Notes
		6	—	—	1040	—	1353	120	
		7	—	—	1110	—	1392	120	
		8	—	—	1222	—	1325	120	50
HJM RH 1156 July 27, 1929		18	2019	851	268	—	1348	100	5.20
		1	1829	543	504	—	1439	090	
		2	—	—	595	—	1363	090	
		3	—	—	710	—	1358	090	
		4	—	—	790	—	1430	083	
		5	—	—	849	—	1358	083	
		6	—	—	1020	—	1379	081	
		7	—	—	1085	—	1414	081	
		8	—	—	1228	—	1350	080	
22.6	f	34	2261	770	1210	1190	1360	080	
	f	35	2271	970	821	820	1330	080	
	f	51	2261	1070	817	—	1290	080	
	f	52	2278	1182	1075	—	1310	080	
22.8	f	53	2295	488	870	—	1408	083	
	f	54	2281	870	839	—	1330	083	
	f	55	2289	939	1079	—	1329	082	
	f	56	2297	1078	793	—	1295	081	
	f	36	2280	1091	940	940	1290	082	
	f	57	2288	1269	1200	—	1335	081	
	f	39	2281	1282	1040	1040	1340	082	
23.0	f	38	2310	930	1160	1150	1440	085	
	f	37	2309	801	920	905	1345	085	
23.2	f	58	2331	268	428	—	1430	085	
	f	59	2328	520	1090	—	1390	086	
	f	40	2320	760	1210	1210	1365	085	
23.4	f	60	2342	298	1170	—	1428	082	
	f	61	2350	552	1019	—	1380	082	

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1929phae.proj.12686

R.A. 1900	Decl. 1900	Decl. 1900	Reduced	Reduced	Magn.	L.K.
1233	920	—	746	—		
1272	990	—	779	—		
1205	1102	—	915	—		
1248	168	—	135	—		
1349	414	—	307	—		
1213	505	—	397	—		
1268	620	—	489	—		
1347	707	—	625	—		
1275	766	—	601	—		
1298	939	—	724	—		
1333	1004	—	763	—		
1270	1148	—	904	—		
1280	1130	1110	883	866	8.16, 8.06	
1260	741	746	593	592	6.42, 6.41	
1210	737	—	609	—	6.51	279 v
1230	995	—	808	—	7.70	264 x
1325	787	—	595	—	6.44	606 v
1241	756	—	607	—	6.60	376 v
1241	997	—	800	—	7.67	338 v
1214	712	—	586	—	6.37	294 v
1208	858	858	710	710	7.13, 7.13	
1254	1119	—	892	—	8.22	225 x
1258	958	958	762	762	7.43, 7.43	
1355	1075	1065	793	787	7.62, 7.58	
1260	835	820	663	652	6.83, 6.78	
1345	343	—	255	—	3.76	660 x
1304	1004	—	770	—	7.48	587 v
1280	1125	1125	879	879	8.14, 8.14	
1346	1088	—	810	—	8.08	647 x
1298	937	—	724	—	7.21	570 v

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1929phae.proj.12680

64 Near Stars

FMC RA 1156 July 27, 1929

Strip	Class	Star	y	x	Diff	Diff	d	Dk	Vel
23.4	f	41	2339	808	1232	1230	1945	088	
	f	62	2345	877	1190	—	1915	085	
	f	63	2350	1089	1045	—	1270	085	
	f	42	2339	1190	972	972	1931	085	
23.6	f	43	2360	410	570	570	1410	087	
	f	44	2360	620	1180	1182	1360	089	
23.8	f	64	2398	472	1195	—	1410	090	
	f	65	2390	570	1230	—	1370	090	
	f	45	2380	1010	1221	1220	1910	090	
	f	46	2388	1041	1068	1062	1880	090	
	f	47	2381	1190	843	851	1340	090	
	f	66	2398	1210	915	—	1342	090	
24.0	f	48	2400	720	1225	1227	1350	091	
24.2	f	67	2418	835	1178	—	1340	094	
	f	49	2430	1175	1230	1218	1330	091	
24.4	f	68	2460	1011	1170	—	1320	095	
24.8	f	69	2489	562	1155	—	1370	097	
	f	70	2480	790	1110	—	1330	098	
25.0	f	50	2510	450	1150	1150	1401	100	520
	p	71	2503	570	549	—	1189	097	
25.2	f	51	2536	529	901	904	1371	090	
25.4	p	72	2530	880	1030	—	1333	093	
	f	52	2550	1030	742	738	1317	092	
	p	73	2551	604	1106	—	1365	093	
	f	53	2542	850	1170	1163	1339	096	
	f	54	2539	958	1100	1098	1292	096	
25.6	f	55	2576	529	854	860	1370	095	
	p	74	2557	732	707	—	1340	090	
	f	56	2574	741	590	587	1331	088	
	p	75	2062	872	658	—	1332	091	

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1929phae..proj..12680

Obs.-Ck.	Defl.-Ck.	Defl.-Ck.	Reduced	Reduced	Magn.	Lib.
1257	1144	1142	911	909	8.34, 8.32	
1230	1105	—	899	—	8.26	
1185	960	—	811	—	7.73	2a x
1246	887	887	713	713	7.14, 7.14	
1323	483	483	365	365	4.94, 4.94	
1271	1091	1093	869	861	8.01, 8.03	
1320	1106	—	837	—	7.87	583 v
1286	1140	—	891	—	8.21	
1220	1131	1130	926	925	8.43, 8.42	
1230	998	972	795	790	7.63, 7.60	
1260	753	761	602	608	6.47, 6.50	
1252	825	—	658	—	6.80	297 x
1259	1134	1136	901	903	8.27, 8.28	
1246	1084	—	878	—	8.12	4225 v
1239	1134	1120	918	904	8.37, 8.30	
1226	1075	—	878	—	8.12	
1273	1058	—	830	—	7.84	541 v
1232	1062	—	862	—	8.12	451 v
1381	1056	1050	807	807	7.71, 7.71	
1092	452	—	414	—	5.03	536 x
1281	811	814	632	635	6.65, 6.67	
1240	937	—	756	—	7.40	420 x
1226	650	646	630	627	6.03, 6.01	
1272	1013	—	796	—	7.64	523 x
1243	1074	1067	864	858	8.06, 8.01	
1196	1064	1062	841	839	7.91, 7.89	
1275	759	765	595	599	6.44, 6.46	
1250	617	—	494	—	6.84	474 x
1243	502	499	404	401	5.27, 5.24	
1241	567	—	457	—	5.60	426 x

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1929phae.proj.1268

66 New Series

Agp-RA 1156 - July 27/1929

Strip	class	star	y	x	Dyc	Dδ	α	δ	Voch
	f	57	2560	910	361	330	1335	092	
25.8	p	76	2586	779	1109	—	1343	091	
26.2	p	77	2620	639	1166	—	1364	097	
26.4	f	58	2640	699	1102	1104	1338	090	
	f	59	2648	791	1162	1153	1333	090	
	p	78	2653	864	1128	—	1314	092	
		10	2019	851	267	—	1263	089	
		1	1821	544	530	—	1394	087	
Plate		2	—	—	608	—	1347	088	
finished		3	—	—	690	—	1338	087	
		4	—	—	779	—	1409	089	
		5	—	—	851	—	1339	091	
		6	—	—	1010	—	1353	092	
		7	—	—	1071	—	1402	094	
		8	—	—	1214	—	1320	092	521

continued in Book 67, Page 52

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1929phae.proj.12680

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1243	239	238	192	191	3.00, 2.99	
1252	1018	—	813	—	8.03	457 x
1267	1069	—	842	—	7.90	509 x
1248	1012	1014	811	813	7.73, 7.74	
1243	1072	1063	862	855	8.03, 7.99	
1222	1036	—	845	—	7.93	1a x
1174	178	—	152			
1207	443	—	339	—		
1259	526	—	413	—		
1251	603	—	481	—		
1320	690	—	522	—		
1248	766	—	608	—		
1261	918	—	726	—		
1308	977	—	747	—		
1228	1122	—	914	—		

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1929phae.proj.1268

68 New Series

HJP. RH 1149 - July 29, 1929

Step	class	star	y	x	Dyz	Dyc	a	Dh	Vel
		10	2001	880	0222		1403	0 —	495
		1	1908	529	190	—	1472	0 —	
		2	—	—	314	—	1408	0 —	
		3	—	—	421	—	1420	0 —	
		4	—	—	500	—	1462	0 —	
		5	—	—	690	—	1411	0 —	
		6	—	—	1001	—	1430	0 —	
		7	—	—	1098	—	1446	0 —	
		8	—	—	1225	—	1412	0 —	
14.8	p	1	1480	774	1043	—	1400	0 —	
15.0	p	2	1499	642	1120	—	1350	0 —	
15.2	p	3	1521	849	1088	—	1393	0 —	
	f	11	1522	861	1102	1071	1390	0 —	
	p	4	1520	934	520	—	1393	0 —	
15.4	f	12	1551	812	1101	1070	1400	0 —	
15.8	p	5	1582	583	1108	—	1443	0 —	
16.0	p	6	1607	568	904	—	1441	000	
	p	7	1611	908	963	—	1390	000	
	f	13	1600	958	1131	1124	1392	000	
	f	14	1600	1040	741	738	1379	000	
	p	8	1604	1212	311	—	1380	000	
16.2	f	15	1628	418	1248	1248	1449	001	
	p	9	1631	603	1137	—	1412	001	
16.4	p	10	1653	700	952	—	1460	002	
	f	16	1645	577	1030	1030	1429	003	
	p	11	1649	1125	1099	—	1395	004	
16.8	p	12	1680	834	1178	—	1389	006	
	p	13	1680	1170	857	—	1378	003	
17.0	f	17	1707	935	617	618	1463	001	
	p	14	1702	951	980	—	1379	004	

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1929phae.proj.12680

Q.-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1403	22		16	—		
1472	190	—	129	—		
1408	314	—	203	—		
1420	421	—	297	—		
1462	500	—	342	—		
1411	690	—	488	—		
1430	1001	—	701	—		
1446	1098	—	760	—		
1412	1325	—	938	—		
1400	1043	—	745	—	7.24	1141 x
1360	1120	—	828	—	7.61	1081 x
1393	1088	—	781	—	7.41	1104 x
1390	1102	1071	794	771	7.46, 7.36	
1393	520	—	373	—	6.02	1214 x
1400	1101	1070	787	764	7.43, 7.32	
1443	1108	—	766	—	7.33	1043 x
1441	904	—	627	—	6.86	1030 x
1390	963	—	692	—	7.07	1208 x
1392	1131	1124	799	807	7.49, 7.63	
1379	741	738	537	535	6.56, 6.65	
1380	311	—	225	—	5.20	44 x
1448	1247	1247	861	861	7.77, 7.77	
1411	1136	—	804	—	7.51	1044 x
1468	950	—	652	—	6.93	987 ? x
1426	1027	1027	720	720	7.16, 7.16	
1391	1095	—	787	—	7.44	23 x
1383	1172	—	848	—	7.40	1166 x
1375	854	—	621	—	6.84	51 x
1462	616	617	422	423	6.17, 6.18	
1373	976	—	716	—	7.13	1251 x

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1929phae.proj.12682

New Series

Zyp- BH 1149 — July 29, 1929

Strip	Class	Star	Y	X	Dyff	Dyff	C	Db	Volts
		10	2001	880	057	—	1381	003	
		1	1908	529	251	—	1449	001	
		2	—	—	326	—	1380	001	
		3	—	—	442	—	1406	001	
		4	—	—	550	—	1453	001	
		5	—	—	730	—	1393	001	
		6	—	—	1019	—	1413	001	
		7	—	—	1099	—	1421	002	
		8	—	—	1321	—	1401	004	490
			Zyp-	RH	1149 - July 30, 1929				
		10	2001	872	347	—	1792	063	520
		1	1908	521	681	—	1879	071	
		2	—	—	820	—	1780	073	
		3	—	—	951	—	1798	073	
		4	—	—	1041	—	1850	079	
		5	—	—	1217	—	1778	080	
		6	—	—	1487	—	1802	080	
		7	—	—	1550	—	1801	081	
		8	—	—	1705	—	1771	081	
17.2	f	8	1720	387	1054	1054	1847	086	
	f	9	1737	762	1470	1465	1759	090	
	f	15	1720	925	1289	—	1773	088	
	f	16	1731	928	1530	—	1757	093	
17.4	f	10	1748	1057	1510	1505	1730	100	
17.6	f	17	1773	389	1604	—	1830	103	
	f	18	1765	733	1502	—	1779	100	
	f	19	1762	959	1260	—	1728	100	
17.8	f	11	1779	1031	1517	1519	1739	102	
	f	20	1790	1059	871	—	1717	100	
18.2	f	12	1821	1158	1050	1041	1719	104	

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1929phae.proj.12680

O-Ck	Defl.-Dk	Defl.-Ok	Reduced	Reduced	Magn	2. No
1378	54	—	39	—		
1448	200	—	173	—		
1379	320	—	236	—		
1405	441	—	314	—		
1452	549	—	378	—		
1392	729	—	523	—		
1412	1018	—	721	—		
1419	1097	—	774	—		
1397	1317	—	943	—		
1634	284	—	174	—		
1808	610	—	337	—		
1707	747	—	438	—		
1725	878	—	509	—		
1771	962	—	544	—		
1698	1137	—	669	—		
1722	1407	—	816	—		
1720	1469	—	854	—		
1690	1624	—	960	—		
1761	968	968	551	551	5.93, 5.93	
1669	1380	1375	827	824	7.25, 7.24	
1685	1201	—	713	—	6.56	1242 ✓
1664	1437	—	863	—	7.48	1246 ✓
1630	1410	1405	864	862	7.52, 7.51	
1727	1501	—	864	—	7.47	926 ✗
1679	1402	—	835	—	7.21	1109 ✓
1628	1160		713	—	6.56	1279 ✓
1637	1415	1417	865	866	7.52, 7.53	
1617	771	—	478	—	5.54	56 ✓
1615	946	937	585	580	6.06, 6.04	

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1929phae.proj.1268

New Series

Strip	Class	Star	η	ζ	Diff.	Diff.	Cl.	Dk	Volts
18.4	f	13	1850	581	1631	1630	1812	110	
	f	21	1850	811	1527	—	1759	108	
	f	22	1851	1007	1420	—	1737	110	
	f	14	1849	1350	1483	1441	1697	108	
18.6	f	15	1860	349	1603	1603	1782	110	
	f	23	1859	451	1613	—	1794	111	
	f	24	1859	554	1653	—	1780	112	
	f	16	1870	841	1541	1580	1732	113	
	f	17	1862	851	1410	1407	1739	117	
	f	18	1872	963	1300	1290	1712	116	
	f	25	1858	1163	1552	—	1699	120	
	f	10	2001	872	455	—	1631	112	
Battery dropping badly		1	1908	521	741	—	1769	113	
		2	—	—	840	—	1681	114	
		3	—	—	966	—	1700	119	
		4	—	—	1052	—	1761	120	
		5	—	—	1208	—	1692	116	
		6	—	—	1428	—	1713	117	
		7	—	—	1490	—	1722	113	
		8	—	—	1624	—	1699	120	
FMC RH 1144 July 31, 1929		15	2001	839	501	—	1942	118	5.20
		1	1908	488	830	—	2030	110	
		2	—	—	970	—	1932	115	
		3	—	—	1090	—	1953	112	
		4	—	—	1192	—	2010	111	
		5	—	—	1360	—	1920	111	
		6	—	—	1619	—	1950	110	
		7	—	—	1700	—	1970	110	
		8	—	—	1850	—	1938	110	
18.8	f	19	1981	798	1750	1750	1942	112	

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mags.	L. Ks.
1702	1521	1520	894	893	7.71, 7.70	
1651	1419	—	253	—	3.23	
1627	1310	—	804	—	7.03	
1589	1375	1333	867	840	7.53, 7.34	
1672	1493	1493	896	896	7.72, 7.72	
1683	1502	—	898	—	7.70	957 ? x
1668	1541	—	924	—	7.96	948 v
1619	1458	1467	900	906	7.75, 7.78	
1622	1293	1290	797	795	7.05, 7.04	
1596	1184	1174	742	736	6.75, 6.72	
1599	1432	—	908	—	7.80	118 v
1519	343	—	226	—		
1656	628	—	380	—		
1564	723	—	462	—		
1581	847	—	535	—		
1641	932	—	568	—		
1576	1092	—	694	—		
1596	1311	—	822	—		
1609	1377	—	856	—		
1579	1504	—	897	—		
1824	383	—	209	—		
1920	720	—	375	—		
1817	855	—	471	—		
1841	978	—	531	—		
1899	1081	—	570	—		
1809	1249	—	690	—		
1840	1509	—	820	—		
1860	1590	—	854	—		
1808	1740	—	962	—		
1830	1638	1638	895	895	7.80	7.80

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1929phae.proj.12680

74 new Series FMC July 31, 1929 RH 1149

Strip	Class	Star	y	x	Diff	Diff	cl	Dk	Volts
18.8	f	20	1890	1094	1132	1140	1902	111	
19.0	fp	26	1901	1140	1740	—	1900	115	
19.2	f	21	1928	240	1342	1340	2058	120	
	fp	22	1920	1000	1792	1792	1967	120	
19.4	fp	23	1941	1270	1720	1722	1901	122	
19.6	fp	27	1968	1240	1310	—	1952	123	
	f	24	1970	1290	1580	1585	1980	120	
19.8	fp	28	1980	200	1779	—	2078	122	
20.0	fp	29	2009	1370	1718	—	1922	140	
20.2	f	25	2015	1119	1598	1579	1960	130	
20.4	fp	30	2039	1087	1229	—	1958	130	
20.6	fp	31	2061	190	1705	—	2070	130	
	fp	32	2070	349	1519	—	2071	132	
		18	2001	839	410	—	1960	133	
		1	1908	488	670	—	2048	130	
		2	—	—	880	—	1948	130	
		3	—	—	1005	—	1950	130	
		4	—	—	1101	—	2030	138	
		5	—	—	1310	—	1960	135	
		6	—	—	1600	—	1980	135	
		7	—	—	1650	—	1995	135	
		8	—	—	1865	—	1960	135	

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1929phae.proj.12000

α.-DR.	Defl. Dk	Defl.-Dk	Reduced	Reduced	Magn.	Z. Not.
1791	1011	1029	565	574	5.91, 5.93	
1785	1625	—	911	—	7.95	6 v
1938	1222	1220	630	619	6.25, 6.18	
1847	1672	1672	905	905	7.90, 7.90	
1779	1598	1600	898	899	7.83, 7.84	
1829	1187	—	649	—	6.35	183 x
1800	1466	1465	812	814	7.22, 7.23	
1956	1655	—	847	—	7.42	844 x
1782	1578	—	885	—	7.74	206 x
1830	1468	1449	801	791	7.15, 7.10	
1825	1099	—	601	—	6.10	205 v
1940	1575	—	810	—	7.21	809 x
1939	1387	—	715	—	6.69	805 v
1827	277	—	152	—		
1915	540	—	282	—		
1818	750	—	413	—		
1770	875	—	494	—		
1892	963	—	508	—		
1825	1175	—	643	—		
1845	1465	—	794	—		
1860	1575	—	813	—		
1825	1730	—	947	—		

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New Series

R H 703 — August 1, 1929, — HJ

Strip	Class	Star	y	x	Defl	Defl.	Cl.	Dk	Roots
		10	1929	745	014	—	1689	011	510
		1	2260	596	041	—	1711	010	
		2	—	—	110	—	1697	012	
		3	—	—	200	—	1722	011	
		4	—	—	300	—	1710	012	
		5	—	—	440	—	1730	013	
		6	—	—	842	—	1738	018	
		7	—	—	1013	—	1750	018	
		8	—	—	1463	—	1739	018	
14.0	p	1	1406	839	1129	—	1652	021	
	f	1	1405	870	1208	1210	1740	021	
	p	2	1408	933	421	—	1749	020	
14.4	p	3	1439	647	1333	—	1727	021	
	f	2	1455	891	021	023	1748	019	
	p	4	1449	918	152	—	1752	019	
15.0	f	3	1509	1015	602	603	1724	021	
	f	4	1500	1019	132	132	1779	020	
15.2	p	5	1529	777	473	—	1709	020	
	p	6	1522	1070	858	—	1767	028	
	f	5	1529	1171	320	322	1800	022	
15.4	f	6	1552	961	801	800	1677	024	
15.6	p	7	1567	953	1260	—	1789	027	
15.8	f	7	1579	997	881	892	1801	023	
	p	8	1589	475	781	—	1829	023	
16.0	p	9	1612	698	1351	—	1872	030	
	f	8	1612	811	1217	1250	1882	030	
	p	10	1603	887	841	—	1932	029	
16.2	p	11	1628	437	1206	—	1869	030	
	p	12	1619	651	1383	—	1961	031	
16.4	f	9	1640	581	950	950	1862	031	

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1929phae.proj.12686

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	I. No.
1678	3	—	2	—		
1701	31	—	18	—		
1685	98	—	58	—		
1711	189	—	111	—		
1698	288	—	170	—		
1717	427	—	248	—		
1720	824	—	479	—		
1732	995	—	574	—		
1721	1445	—	840	—		
1631	1108	—	679	—	7.79	206×
1719	1187	1189	691	692	7.73, 7.74	
1729	401	—	232	—	6.38	242×
1706	1312	—	770	—	8.06	1350?×
1729	02	64	1	2	off curve, off curve	
1733	133	—	77	—	5.48	239×
1703	581	582	342	342	6.66, 6.66	
1759	112	112	64	64	5.35, 5.35	
1689	463	—	268	—	6.48	183×
1739	830	—	478	—	7.13	297×
1778	298	300	168	169	6.05, 6.06	
1653	777	776	470	469	7.03, 7.02	
1762	1233	—	701	—	7.85	264×
1778	858	869	497	489	7.11, 7.09	
1806	738	—	409	—	6.92	51×
1842	1321	—	718	—	7.90	e ?×
1852	1187	1220	641	658	7.55, 7.61	
1903	812	—	427	—	6.98	240v
1839	1176	—	642	—	7.65	23×
1870	1352	—	724	—	7.93	118v
1831	919	919	502	502	7.13, 7.13	

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1929phae.proj.12680

78

New Series

Agp- R.A 703- Aug. 1, 1929

Strip	Class	Star	y	x	Defl.	Defl.	α	Dk.	volts
	f	10	1640	800	1013	1041	1889	027	
	p	13	1651	1040	1302	—	1920	031	
16.6	p	14	1670	989	656	—	1930	031	
	f	11	1660	1236	1340	1291	1930	031	
	d	12	1670	1282	1307	1313	1983	039	
16.8	p	15	1677	422	1390	—	1861	031	
	p	16	1690	820	350	—	1877	030	
	p	17	1680	958	691	—	1923	031	
17.0	f	13	1712	486	822	822	1862	032	
	p	18	1710	569	187	—	1860	031	
17.2	f	14	1720	869	220	217	1911	027	
17.4	d	15	1751	1041	820	830	1948	034	
	d	16	1738	1203	1054	1059	1963	039	
17.6	f	17	1765	253	1284	1284	1830	041	
	p	19	1770	621	989	—	1881	040	
17.8	p	20	1791	280	430	—	1845	041	
	d	18	1775	1066	1271	1281	1942	042	
18.0	p	21	1809	462	977	—	1858	042	
	p	22	1803	523	401	—	1861	043	
	f	19	1800	600	1352	1352	1880	043	
	d	20	1809	630	263	263	1858	040	
	p	23	1809	1000	1292	—	1992	041	
18.2	f	21	1832	400	1140	1141	1830	041	
	p	24	1829	478	799	—	1832	041	
	p	25	1830	490	1210	—	1841	047	
18.4	p	26	1837	368	1002	—	1829	045	
	p	27	1837	1249	1302	—	1980	053	
	p	28	1840	1283	593	—	1991	051	
	d	22	1855	1321	369	370	1983	049	
18.6	f	23	1872	922	922	922	1930	052	

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1929phae.proj.12006

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	N. Ko.	
1862	986	1014	530	546	7.21, 7.26		
1889	1271	—	674	—	7.26	2a	×
1899	625	—	330	—	6.68	294	✓
1899	1309	1260	690	664	7.72, 7.63		
1954	1268	1274	649	663	7.58, 7.63		
1830	1359	—	742	—	7.99	8	×
1847	320	—	173	—	6.08	205	✓
1892	660	—	344	—	6.73	279	✓
1830	790	790	432	432	6.92, 6.92		
1829	156	—	85	—	5.56	56	✓
1884	193	190	102	101	5.70, 5.69		
1914	786	796	411	416	6.85, 6.87		
1924	1016	1020	527	530	7.19, 7.21		
1789	1243	1243	696	696	7.75, 7.75		
1841	949	—	516	—	7.26	62	✓
1864	389	—	216	—	6.30	1214	×
1900	1229	1239	647	653	7.58, 7.61		
1816	935	—	516	—	7.27	1251	✓
1818	658	—	413	—	7.74	1279	✓
1837	1309	1309	712	712	7.81, 7.81		
1818	223	223	123	123	5.83, 5.83		
1891	1251	—	662	—	7.73	338	✓
1789	1099	1100	615	616	7.47, 7.48		
1791	698	—	390	—	6.86	1242	✓
1794	1163	—	649	—	7.69	1246	✓
1784	965	—	537	—	7.32	1208	×
1927	1249	—	648	—	7.69	420	×
1940	642	—	280	—	6.51	426	×
1934	320	321	166	167	6.04, 6.05		
1878	870	870	464	464	7.02, 7.02		

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1929phae.proj.12680

80 New Series

Agp- RX 703- Aug. 1, 1929

Strip	Class	Star	y	x	Decl.	Decl.	Cl.	Dc.	obs
	p	29	1876	1007	610	—	1943	051	
18.8	p	31	1880	269	1208	—	1817	051	
19.0	p	24	1898	217	570	583	1849	051	
19.2	p	21	1920	422	1254	—	1858	053	
	p	25	1930	428	828	820	1843	052	
	p	26	1920	832	1020	1010	1910	053	
	p	27	1919	838	900	897	1901	058	
	p	28	1915	1402	883	868	1919	059	
19.4	p	32	1944	215	1117	—	1778	066	
19.6	p	33	1962	558	1100	—	1788	068	
	p	29	1971	631	1222	1222	1832	067	
	p	34	1975	1297	644	—	1892	067	
19.8	p	30	1980	730	228	229	1860	061	
20.2	p	35	2025	491	1070	—	1806	068	
	p	36	2031	1411	1225	—	1962	070	
		10	1929	745	075	—	1851	070	
		1	2260	596	102	—	1887	070	
		2	—	—	186	—	1842	069	
		3	—	—	269	—	1861	067	
		4	—	—	331	—	1870	068	
		5	—	—	514	—	1870	068	
		6	—	—	939	—	1880	070	
		7	—	—	1110	—	1902	070	
		8	—	—	1601	—	1855	071	505
FMC Aug. 2, '29		15	1929	690	139	—	1920	130	
		1	2260	540	211	—	1869	130	
		2	—	—	330	—	1880	130	
		3	—	—	409	—	1898	130	
		4	—	—	500	—	1910	130	
		5	—	—	662	—	1910	130	

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1929phac.proj.1209c

Obs. Dk.	Defl. Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	L. No.
1892	559	—	295	—	6.56	376 v
1766	1152	—	654	—	7.70	1104 x
1798	519	532	289	296	6.53, 6.55	
1805	1201	—	666	—	7.76	1166 v
1791	776	768	434	428	6.93, 6.90	
1859	967	957	522	517	7.18, 7.16	
1843	842	839	458	456	6.98, 6.97	
1860	824	809	442	434	6.95, 6.93	
1712	1051	—	614	—	7.57	1141 x
1720	1032	—	600	—	7.52	1171 ? v
1765	1155	1153	655	655	7.61, 7.61	
1825	577	—	316	—	6.62	474 x
1799	167	168	93	94	5.13, 5.14	
1738	1002	—	577	—	7.46	1109 v
1892	1155	—	612	—	7.57	498 x
1781	05	—	03	—		
1817	32	—	18	—		
1773	117	—	66	—		
1794	202	—	114	—		
1802	263	—	146	—		
1802	446	—	248	—		
1810	869	—	481	—		
1832	1046	—	568	—		
1784	1530	—	858	—		
1790	09	—	05	—		
1739	81	—	47	—		
1750	200	—	114	—		
1768	279	—	158	—		
1780	370	—	208	—		
1780	532	—	299	—		

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1929phae.proj.12680

82 New Series

FMC RH703 Aug 2, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		6	—	—	1075	—	1970	130	5.00
		7	—	—	1240	—	1975	131	
		8	—	—	1690	—	1918	132	
20.4		31	2058	888	1450	1460	1890	132	
20.6		32	2072	235	1000	1005	1890	138	
		37	2070	668	1360	—	1961	138	
21.0		33	2109	670	760	760	1935	139	
		38	2100	898	1270	—	1969	140	
		34	2108	962	1390	1408	1950	140	
		35	2111	983	965	930	1969	141	
		39	2101	1258	1600	—	2010	143	
21.2		36	2130	807	1620	1615	1955	142	
21.4		40	2150	230	1259	—	1860	141	
		41	2139	285	1332	—	1850	140	
		42	2140	860	765	—	1942	140	
		43	2151	1198	1648	—	2030	141	
		44	2148	1212	440	—	2020	141	
		37	2139	1281	1430	1420	2020	142	
21.6		45	2170	250	932	—	1800	141	
		38	2169	840	1273	1280	1940	141	
		46	2170	921	1539	—	1960	142	
		47	2170	1348	1641	—	2031	141	
		15	1929	690	158	—	1900	145	
		1	2260	540	230	—	1878	145	
		2	—	—	360	—	1869	148	
		3	—	—	450	—	1882	148	
		4	—	—	591	—	1890	149	
		5	—	—	701	—	1900	150	
		6		—	1135	—	1955	150	
		7	—	—	1252	—	1961	150	
		8	—	—	1740	—	1912	150	

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1920phao.proj.12666

C. Db.	Defl -Dk.	Defl -Dk.	Reduced	Reduced	Magn.	L. No.
1840	945	—	614	—	~~7.12~~	
1844	1109	—	601	—	~~7.40~~	sequence stars
1786	1558	—	873	—	~~8.28~~	
1768	1318	1328	750	763	7.87, 7.89	
1762	862	867	492	495	7.05, 7.06	
1823	1222	—	670	—	7.61	2 x
1796	621	621	346	346	6.57, 6.67	
1829	1130	—	618	—	7.45	no 7 sequence star
1810	1250	1268	690	700	7.68, 7.72	
1828	824	789	462	431	6.93, 6.86	
1867	1457	—	780	—	7.97	523 x
1813	1478	1473	815	812	8.08, 8.07	
1719	1118	—	651	—	7.50	1043 x
1710	1192	—	697	—	7.70	1044 x
1802	625	—	347	—	6.58	627 v
1889	1507	—	798	—	8.02	541 v
1879	299	—	159	—	5.65	536 x
1878	1288	1278	685	681	7.66, 7.64	
1659	791	—	479	—	7.00	1030 x
1799	1132	1139	631	633	7.49, 7.50	
1818	1347	—	768	—	7.93	601 v
1890	1500	—	794	—	~~8.02~~	~~534~~ x
1755	13	—	7	—		
1733	85	—	49	—		
1721	212	—	123	—		
1734	302	—	174	—		
1741	442	—	254	—		
1750	551	—	315	—		
1805	985	—	547	—		
1811	1102	—	609	—		
1762	1590	—	902	—		

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1929phae.proj.12680

84 New Series

AJP-R H 703 - Aug. 2, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		10	1929	691	148		1891	195	510
		1	2260	542	217	—	1900	138	
		2	—	—	330	—	1882	137	
		3	—	—	414	—	1903	138	
		4	—	—	511	—	1909	141	
		5	—	—	710	—	1939	141	
		6	—	—	1090	—	1939	141	
		7	—	—	1249	—	1891	143	
		8	—	—	1702	—	1947	150	
21.8	l	39	2177	612	1300	1302	1912	150	
	p	48	2180	1061	1334	—	1981	150	
22.0	l	40	2200	369	1471	1472	1888	151	
	l	41	2204	579	810	811	1912	150	
22.2	l	42	2221	489	1333	1339	1909	151	
	p	49	2219	851	814	—	1971	150	
	p	50	2216	1045	1393	—	1979	150	
22.4	l	43	2250	325	300	300	1870	149	
	l	44	2248	1180	280	283	1998	147	
22.6	l	45	2259	702	792	799	1908	149	
	l	46	2273	1003	1120	1121	1986	151	
	p	51	2257	1019	898	—	1942	151	
22.8	l	47	2289	858	1371	1371	1990	152	
23.0	p	52	2282	971	1263	—	1951	150	
23.0	p	53	2299	936	1620	—	1970	150	
	l	48	2302	1283	646	639	2018	150	
23.2	l	49	2329	291	703	704	1867	150	
	l	50	2320	340	1110	1110	1869	151	
	p	54	2320	581	1411	—	1872	151	
23.4	p	55	2342	271	970	—	1888	151	
	p	56	2351	863	1390	—	1959	151	

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1929phae.proj.12000

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	N. No.
1756	13	—	7	—		
1762	79	—	45	—		
1745	193	—	111	—		
1765	279	—	158	—		
1768	370	—	209	—		
1798	569	—	317	—		
1798	849	—	472	—		
1748	1106	—	633	—		
1797	1552	—	864	—		
1762	1150	1152	652	654	7.58, 7.59	
1731	1184	—	634	—	7.51	570 v
1737	1320	1321	759	760	7.95, 7.96	
1762	660	661	375	376	6.65, 6.66	
1758	1182	1178	674	670	7.69, 7.64	
1821	664	—	364	—	6.62	
1829	1243	—	681	—	7.68	587 v
1721	151	151	88	88	4.96, 4.96	
1861	133	136	72	74	4.74, 4.76	
1759	643	656	366	370	6.62, 6.64	
1835	969	970	526	527	7.16, 7.17	
1791	747	—	417	—	6.79	606 v
1778	1219	1219	686	686	7.69, 7.69	
1801	1113	—	617	—	7.45	642 v
1820	1470	—	806	—	8.12	664 x
1868	496	489	266	261	6.25, 6.23	
1717	633	554	323	324	6.48, 6.49	
1718	959	959	557	557	7.27, 7.27	
1721	1260	—	731	—	7.86	
1737	819	—	472	—	6.98	
1808	1239	—	685	—	7.70	713 v

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1929phae.proj.12680

New Series

DJP - R H 703 - Aug. 2, 1929

Strip	Class	Star	x	z	Defl.	Defl.	Cl.	Dis. volt-
	f	51	2341	1225	603	603	2010	151
23.6	p	57	2368	390	1370	—	1853	151
	p	52	2368	507	1480	1473	1897	151
23.8	p		2359	790	1560	—	1943	153
	f	53	2380	1197	1291	1290	2019	161
24.0	f	54	2399	831	1555	1541	1987	161
	p		2402	966	1479	—	1998	161
24.2	p		2425	680	1038	—	1972	162
24.4	p		2439	526	1600	—	1977	168
24.6	p		2470	702	1520	—	2004	162
	p		2471	1001	1620	—	2048	166
	p		2468	1088	249	—	2052	161
24.8	f	55	2483	944	314	311	2026	159
25.0	f	56	2500	596	1182	1183	1879	160
25.2	f	57	2520	841	1130	1132	2019	160
25.6	p		2557	570	1192	—	1940	161
	p		2559	723	1600	—	2013	162
25.8	p		2578	648	1351	—	2000	161
	f	58	2590	727	1121	1110	2001	160
26.0		10	1929	691	169	—	1950	160
Plate Finished		1	2260	542	260	—	1959	161
		2	—	—	347	—	1939	161
		3	—	—	451	—	1932	160
		4	—	—	540	—	1951	160
		5	—	—	706	—	1970	158
11		6	—	—	1109	—	1978	161
		7	—	—	1288	/	1979	161
		8	—	—	1710	/	1960	162

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1929phae..proj..126g

	Obs.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
	1859	452	452	243	243	6.17, 6.17	
	1702	1219	—	715	—	7.80	926 v
	1746	1329	1322	760	757	7.96, 7.94	
	1790	1407	—	786	—	8.06	748 v
	1858	1070	1069	577	576	7.32, 7.31	
	1826	1394	1380	764	755	7.98, 7.95	
	1837	1318	—	716	—	7.81	679 v
	1810	868	—	479	—	7.00	805 v
	1819	1432	—	787	—	8.05	880 x
	1842	1358	—	735	—	7.87	791 x
	1882	1454	—	773	—	8.01	681 x
	1891	178	—	94	—	5.04	660 x
	1867	155	153	83	81	4.89, 4.87	
	1719	1022	1023	569	568	7.29, 7.28	
	1869	970	972	522	523	7.14, 7.15	
	1779	1031	—	580	—	7.33	844 x
	1841	1438	—	780	—	8.03	~~k~~ ? x
	1839	1140	—	647	—	7.56	809 x
	1841	961	958	523	516	7.15, 7.13	
	1790	09	—	05	—		
	1798	99	—	55	—		
	1772	186	—	105	—		
	1772	291	—	164	—		
	1791	386	—	212	—		
	1812	548	—	302	—		
	1817	948	—	521	—		
	1818	1121	—	620	—		
	1798	1548	—	861	—		

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1929phae.proj.1268c

88 New Screw FMC Aug 5, 1929 R# 704

Strip	Class	Star	y	x	Defl.	Defl.	cl.	Dk	volt
		15	2120	949	170	—	1888	110	
		1	1788	1090	398	—	1850	111	
Windy		2	—		352	—	1910	112	
		3	—	—	515	—	1921	112	
		4	—	—	758	—	1789	120	
		5	—	—	1010	—	1913	120	
		6	—	—	1310	—	1945	121	
		7	—	—	1409	—	1952	119	
		8	—	—	1770	—	1918	121	
14.4	fp	1	1430	935	1283	—	1840	121	
14.6	fp	2	1470	979	1475	—	1849	120	
	fp	3	1455	1009	1700	—	1850	121	
14.8	fp	1	1498	819	1355	1340	1900	125	
	fp	4	1490	900	1630	—	1870	125	
	fp	5	1490	1055	1368	—	1825	125	
15.2	fp	6	1529	610	1750	—	2000	130	
	fp	2	1530	715	631	650	1965	129	
	fp	3	1519	1065	1440	1400	1840	129	
15.8	fp	7	1590	540	390	—	2062	140	
	fp	8	1581	628	1720	—	2002	140	
	fp	9	1580	925	1609	—	1920	140	
	fp	4	1595	1070	590	597	1871	140	
	fp	5	1592	1071	511	520	1880	132	
16.0	fp	10	1609	1100	1620	—	1862	140	
	fp	11	1609	1140	1670	—	1850	140	
	fp	12	1601	1258	1698	—	1869	140	
16.2	fp	6	1630	462	1440	1440	2100	133	
	fp	13	1622	537	1730	—	2088	141	
	fp	7	1620	830	1679	1730	1950	142	
	fp	14	1621	949	1280	—	1915	140	

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1929phae.proj.12680

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1778	60	—	34	—		
1739	287	—	165	—		
1798	240	—	134	—		
1809	393	—	217	—		
1669	638	—	383	—		
1793	890	—	497	—		
1824	1189	—	652	—		
1833	1290	—	704	—		
1797	1649	—	946	—		
1719	1162	—	677	—	7.24	
1729	1355	—	784	—	7.71	809 x
1729	1579	—	914	—	8.29	
1775	1238	1215	693	685	7.31, 7.27	
1745	1505	—	863	—	8.05	? x
1700	1243	—	732	—	7.47	844 x
1870	1620	—	867	—	8.07	683 x
1736	502	521	289	301	5.01, 5.58	
1711	1311	1271	766	743	7.63, 7.52	
1922	250	—	130	—	(not on curve)	660 x
1862	1580	—	847	—	7.99	681? x
1780	1469	—	825	—	7.89	791 x
1731	456	469	260	264	5.39, 5.42	
1748	379	388	217	222	off curve, off curve	
1722	1478	—	853	—	8.02	880 x
1710	1530	—	894	—	8.20	892 x
1729	1538	—	902	—	8.23	Ba x
1967	1307	1307	664	664	7.19, 7.19	
1947	1589	—	816	—	7.86	647 x
1808	1537	1588	852	880	8.03, 8.13	
1775	1140	—	643	—	7.11	805

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1929phae.proj.1268

90

New Series

1=mc Aug 5, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		18	2120	949	229	—	1942	140	
		1	1788	1090	439	—	1900	140	
		2	—	—	449	—	1955	140	
		3	—	—	609	—	1970	140	
		4	—	—	770	—	1850	140	
		5	—	—	1050	—	1960	140	
		6	—	—	1360	—	1990	140	
		7	—	—	1442	—	2000	140	
		8	—	—	1790	—	1960	140	
Hgt		11	2120	973	151	—	1837	145	
24		1	1788	1117	181	—	1908	148	520
704		2	—	—	239	—	1969	150	
Aug 5,		3	—	—	337	—	1979	150	
1929		4	—	—	401	—	1910	149	
		5	—	—	660	—	1980	151	
		6	—	—	1098	—	2010	151	
		7	—	—	1280	—	2032	152	
		8	—	—	1740	—	1990	153	
16.4	p	15	1650	690	1516	—	2018	152	
		8	1648	781	1639	1647	1990	157	
		9	1649	1161	1551	1562	1928	156	
		16	1650	1180	1469	1468	1897	157	
16.6		11	1669	460	657	660	2125	156	
	p	16	1671	1266	1320	—	1930	158	
16.8	p	17	1692	1383	890	—	1951	160	
		12	1690	1392	590	570	1910	159	
17.0		13	1709	401	701	703	2150	157	
	p	18	1700	791	1399	—	2004	159	
		14a	1701	1148	1087	1088	1911	158	
17.2		14b	1728	829	1400	1400	1978	163	

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cl-Dk	Defl-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. Ks.
1802	89	—	49	—		
1760	299	—	170	—		
1815	309	—	171	—		
1830	469	—	256	—		
1710	630	—	369	—		
1820	910	—	501	—		
1850	1220	—	660	—		
1860	1302	—	700	—		
1820	1650	—	907	—		
1692	06	—	04	—		
1760	33	—	19	—		
1819	89	—	49	—		
1829	187	—	102	—		
1761	252	—	143	—		
1829	509	—	278	—		
1859	947	—	510	—		
1880	1128	—	601	—		
1837	1587	—	865	—		
1856	1354	—	731	—	7.79	679 ✓
1833	1482	1490	810	813	8.07, 8.09	
1772	1395	1406	788	794	7.99, 8.03	
1740	1312	1311	764	753	7.87, 7.86	
1969	501	504	255	257	6.34, 6.37	
1772	1162	—	657	—	7.56	926 ✓
1791	730	—	408	—	6.85	960 ? ✓
1751	431	411	246	234	6.29, 6.25 ~~offensive, offensive~~	
1993	544	546	273	275	6.41, 6.42	
1848	1240	—	671	—	7.60	713 ✓
1753	929	930	529	530	7.15, 7.16 ~~659, 660~~	
1815	1237	1237	682	682	63 63 ~~7.26, 7.26~~	

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New Series

WJP - RH 704 - Aug 5, 1929

Trip	Class	Star	y	x	Defl.	Defl.	Cl.	Ob.	volts
	p	19	1720	1177	1410	—	1917	162	
17.4		15	1739	680	1210	1210	2039	160	
17.6		16	1764	503	300	300	2102	157	
	p	20	1770	687	1284	—	2048	157	
		17	1758	982	811	813	1941	153	
		18	1770	1360	220	221	1917	151	
17.8		19	1783	1195	1320	1320	1901	157	
18.0	p	21	1800	640	910	—	2061	159	
		20	1810	1108	751	750	1914	152	
18.2	? p	~~21a~~	1835	712	862	—	2019	153	
18.4	p p	~~21b~~	1840	617	1440	—	2078	159	
		22	1848	842	1300	1310	1970	159	
		23	1840	1071	1250	1252	1931	160	
18.6		24	1871	400	1485	1507	2102	161	
	p	23	1868	1409	867	—	1949	159	
18.8	p	24	1876	599	1350	—	2060	161	
	p	25	1882	740	1590	—	2029	161	
	p	26	1885	1430	1204	—	1940	160	
19.0	p	27	1916	449	428	—	2138	160	
		25	1901	700	990	981	2050	160	
		26	1908	720	1450	1444	2009	160	
	p	28	1912	799	709	—	1993	160	
		27	1909	1013	700	710	1930	159	
	p	29	1901	1378	1263	—	1935	160	
19.4		28	1945	1449	880	880	1949	161	
19.6	p	30	1972	998	1380	—	1920	163	
		29	1961	1298	1423	1430	1941	159	
20.2		30	2037	1007	360	360	1948	159	
	p	31	2017	1228	1190	—	1960	159	
20.4		31	2042	1102	1332	1350	1950	162	

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Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1755	1248	—	710	—	7.72	
1879	1060	1050	558	558	7.23, 7.23	
1945	143	143	74	74	5.48, 5.48	
1891	1127	—	695	—	7.35	642
1788	658	660	368	369	6.72, 6.73	
1766	69	70	39	40	4.95, 4.96	
1744	1163	1163	666	666	7.57, 7.57	
1902	751	—	395	—	6.81	606
1762	599	598	340	339	6.64, 6.63	
1866	709	—	380	—	6.76	625
1919	1281	—	668	—	7.59	587
1811	1141	1151	773	636	7.83, 7.48	
1771	1090	1092	615	617	7.42, 7.44	
1941	1324	1346	683	693	7.64, 7.67	
1790	708	—	396	—	6.81	1030
1899	1189	—	626	—	7.45	570
1868	1424	—	765	—	7.92	601
1780	1044	—	588	—	7.23	1043
1978	268	—	136	—	5.87	536
1890	830	821	438	434	6.95, 6.93	
1849	1290	1284	698	696	7.68, 7.67	
1833	549	—	299	—	6.50	627
1771	541	551	305	311	6.53, 6.55	
1775	1163	—	622	—	7.43	1044
1788	719	719	402	402	7.43, 7.43	
1759	1217	—	693	—	7.66	2N
1782	1264	1271	708	713	7.70, 7.73	
1789	201	201	112	112	5.76, 5.76	
1801	1031	—	574	—	7.28	1109
1788	1170	1188	656	665	7.55, 7.58	

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New Series

Dyp - RH 704 - Aug 5, 1929

Distrib	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volts
20.8	p	32	2084	423	881	—	2104	165	
	p	32	2091	902	1148	1163	1961	160	
	p	33	2080	1133	1249	—	1951	161	
	p	33	2090	1309	872	872	1972	160	
	p	34	2090	1504	1053	—	1970	163	
21.0	p	34	2100	732	1111	1119	1979	162	
	p	35	2099	899	1069	1068	1981	160	
21.2	p	35	2120	1299	1358	—	1959	162	
21.4	p	36	2156	412	540	540	2112	160	
	p	37	2140	811	1110	1111	1983	165	
21.6	p	36	2160	1399	1510	—	1966	162	
	p	37	2159	1451	1209	—	1951	164	
21.8	p	38	2190	430	1560	1550	2082	181	
	p	38	2179	715	790	—	2011	167	
	p	39	2187	1333	1173	1173	1958	162	
22.0	p	40	2209	1103	380	390	1960	161	
	p	39	2210	1232	1238	—	1943	163	
	p	40	2211	1247	810	—	1951	163	
	p	41	2202	1257	981	—	1950	162	
22.2	p	42	2221	440	761	—	2082	161	
	p	43	2223	1174	1469	—	1969	160	
	p	44	2231	1260	1024	—	1940	160	
		IA	2120	973	170	—	1878	160	
		1	1788	1117	200	—	1873	160	
		2	—	—	250	—	1940	160	
		3	—	—	348	—	1951	160	
		4	—	—	440	—	1889	162	
		5	—	—	660	—	1941	160	
		6	—	—	1070	—	1959	160	
		7	—	—	1290	—	2007	162	
		8	—	—	1710	—	1933	162	515

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	magn.	L.Ko.
1939	716	—	370	—	6.73	474 x
1801	988	1003	547	557	7.21, 7.23	
1790	1088	—	606	—	7.39	1171 ✓
1812	712	712	393	393	6.80, 6.80	
1807	890	—	493	—	7.10	1141 x
1817	949	957	521	527	7.15, 7.17	
1821	909	908	498	497	7.10, 7.09	
1797	1196	—	665	—	7.57	1166 ✓
1952	388	380	194	194	6.11, 6.11	
1818	945	946	521	522	7.15, 7.16	
1804	1348	—	746	—	7.84	1176 x
1787	1045	—	684	—	7.32	1104 x
1901	1379	1369	725	720	7.76, 7.74	
1844	623	—	338	—	6.63	376 ✓
1796	1011	1011	562	563	7.25, 7.25	
1799	219	229	122	128	5.81, 5.83	
1780	1075	—	605	—	7.39	1246 ✓
1788	647	—	363	—	6.71	1242 ✓
1788	819	—	457	—	7.00	
1921	600	—	313	—	6.54	426 x
1809	1309	—	724	—	7.77	420 x
1780	864	—	485	—	7.07	1251 ✓
1718	16	—	06	—		
1713	40	—	23	—		
1781	98	—	57	—		
1791	188	—	105	—		
1727	278	—	161	—		
1781	500	—	281	—		
1799	910	—	507	—		
1845	1128	—	111	—		
1771	1548	—	872	—		

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New Series

FMc Aug. 6, 1929 RH 704

trip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		1S	2120	959	140	—	1880	139	5.00
		1	1788	1100	180	—	1853	140	
		2	—	—	271	—	1910	140	
		3	—	—	370	—	1908	140	
		4	—	—	495	—	1830	140	
		5	—	—	717	—	1908	143	
		6	—	—	1080	—	1925	140	
		7	—	—	1278	—	1931	140	
		8	—	—	1690	—	1898	140	
22.4	f	41	2239	658	1479	1484	1950	140	
	f	45	2248	708	1460	—	1920	140	
	f	46	2239	1180	798	—	1895	140	
	f	47	2241	1427	421	—	1890	141	
	f	42	2252	1462	1291	1310	1900	142	
22.6	f	43	2275	512	1310	1329	1998	145	
	f	44	2260	675	1025	1040	1955	145	
	f	48	2271	1085	1012	—	1880	146	
	f	45	2261	1088	1632	1631	1869	148	
22.8	f	46	2298	850	440	440	1922	149	
	f	41	2289	1418	1222	—	1909	149	
23.0	f	47	2305	1230	842	855	1880	149	
	f	48	2300	1310	1180	1162	1870	145	
23.2	f	49	2320	841	1521	1550	1880	150	
	f	50	2322	971	1579	—	1915	150	
	f	51	2318	1045	1688	—	1895	150	
	f	52	2322	1140	288	—	1882	150	
	f	53	2328	1192	1651	—	1898	150	
	f	50	2331	1210	1380	1380	1878	150	
	f	54	2321	1268	1600	—	1880	150	
	f	51	2338	1272	1580	1580	1890	150	

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Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	Dk.
1741	1	—	1	—		
1713	40	—	23	—		
1776	131	—	74	—		
1768	230	—	130	—		
1690	365	—	210	—		
1765	574	—	328	—		
1785	940	—	527	—		
1791	1138	—	635	—		
1758	1550	—	882	—		
1810	1339	1344	738	743	7.80, 7.83	
1780	1320	—	742	—	7.73	938 ✓
1755	658	—	375	—	6.67	1279 ✓
1749	280	—	161	—	5.92	1214 ✗
1758	1149	1168	653	666	7.44, 7.47	
1853	1165	1184	629	640	7.36, 7.40	
1810	880	895	487	494	8.05, 8.08	
1734	866	—	499	—	7.00	62 ✓
1721	1484	1483	862	861	8.29, 8.28	
1793	291	291	164	164	5.94, 5.94	
1760	1073	—	610	—	7.32	
1731	693	706	401	408	6.53, 6.66	
1725	1035	1017	602	590	7.30, 7.25	
1730	1378	1400	794	811	7.93, 8.01	
1766	1429	—	816	—	8.00	h ✓
1745	1538	—	881	—	8.27	
1732	133	—	77	—	5.38	56 ✓
1748	1501	—	861	—	8.21	g ✗
1728	1230	1230	714	714	7.64, 7.64	
1730	1450	—	838	—	8.10	
1740	1430	1430	823	823	8.04, 8.04	

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New Series

FMC Aug 6, 1929 R#704

Hr	Class	Star	y	x	Defe	Defe	ae	Dk	Volt
23.4	f	52	2340	432	1535	1548	1992	150	
	f	53	2350	480	1530	1500	1980	150	
	f	65	2351	780	1540	—	1938	150	
	f	54	2350	800	1640	1669	1910	150	
	f	66	2341	1098	1465	1460	1890	150	
23.6	f	56	2372	750	900	—	1932	150	
	f	57	2360	889	545	—	1895	150	
	f	56	2361	915	1148	1159	1910	150	
	f	57	2378	1131	989	990	1880	150	
	f	57	2362	1288	1401	—	1870	150	
		W JP							705
23.8	p	59	2383	721	800	—	1930	151	
	f	58	2388	1027	1493	1510	1910	151	
	f	59	2390	1338	1460	1441	1862	154	
24.0	p	60	2401	670	1395	—	1924	158	
	f	66	2401	903	1321	1319	1871	151	
	p	61	2412	1274	1163	—	1881	152	
	f	61	2399	1359	1460	1462	1888	152	
24.2	p	62	2431	1013	1408	—	1909	152	
	p	63	2428	1060	1331	—	1890	151	
24.4	p	64	2449	827	1073	—	1940	154	
	p	65	2451	1238	782	—	1919	153	
	f	62	2440	1320	900	900	1909	151	
24.6	p	63	2460	752	1030	1030	1918	152	
24.8	f	64	2482	545	640	640	1960	151	
	p	66	2489	758	1390	—	1891	151	
	f	65	2483	1219	1188	1187	1909	152	
25.0	f	66	2513	697	355	355	1960	154	
	f	67	2504	700	841	852	1890	153	
25.2	p	67	2531	648	1110	—	1962	151	

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Cl.-Dk.	Defl. Dk	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.	
1842	1385	1398	752	758	7.76, 7.78		
1830	1386	1350	753	731	7.76, 7.71		
1788	1390	—	778	—	7.87	274 v	
1760	1490	1519	846	862	8.14, 8.21		
1740	1315	1310	706	752	7.77, 7.76		
1782	750	—	421	—	6.71	279 v	
1746	395	—	226	—	6.10	205 v	
1760	998	1009	566	Q574	7.08, 7.13		?
1730	839	840	485	486	6.94, 6.95		
1720	1257	—	727	—	7.67	8 v	
1779	649	—	355	—	6.50	294 v	
1769	1342	1359	764	772	7.81, 7.84		
1708	1306	1287	764	754	7.81, 7.77		
1766	1227	—	695	—	7.57	2a x	
1720	1170	1168	679	677	7.52, 7.51		
1729	1011	—	585	—	7.24	29 x	
1736	1308	1310	752	752	7.76, 7.77		
1787	1256	—	714	—	7.66	b v	
1734	1180	—	678	—	7.52	118 v	
1786	919	—	513	—	7.04	240 v	
1766	629	—	356	—	6.61	51 x	
1758	749	744	426	426	6.72, 6.72		
1766	878	878	497	497	6.98, 6.98		
1809	489	489	270	270	6.23, 6.23		
1740	1239	—	711	—	7.63	264 x	
1757	1036	1035	588	587	7.24, 7.23		
1803	198	198	110	110	5.68, 5.68		
1737	688	649	396	402	6.64, 6.64		
1811	959	—	528	—	7.09	297 x	

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100 New Series

Hyp – R H 704 – Aug 6, 1929

Strip	Class	Star	y	x	Diff	Diff	ce	Dk	Notes
	p	68	2520	937	632	—	1912	157	
25.4	f	68	2550	936	1480	1470	1892	155	
25.6	f	69	2560	822	170	177	1897	151	
26.0	p	69	2604	799	383	—	1930	153	
	f	70	2610	847	1360	1370	1918	157	
	p	70	2608	1071	1485	—	1921	158	
26.4	p	71	2647	782	642	—	1941	153	
	p	72	2643	879	1281	—	1913	151	
	f	71	2638	939	1491	1489	1920	157	
	f	1.0	2120	959	168	—	1862	156	
		1	1788	1100	204	—	1890	154	
		2	—	—	259	—	1870	153	
		3	—	—	358	—	1887	152	
		4	—	—	427	—	1887	151	
		5	—	—	777	—	1889	152	
		6	—	—	1111	—	1910	153	
		7	—	—	1295	—	1921	158	
		8	—	—	1679	—	1878	158	

Slate finished

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1929phae.proj.1268

α.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1755	475	—	271	—	6.24	183 x
1737	1325	1315	762	707	7.80, 7.78	
1746	19	26	11	15	3.49, 3.70	
1777	230	—	130	—	6.79	239 x
1761	1203	1213	683	688	7.54, 7.56	
1768	1332	—	764	—	7.77	135 x
1788	489	—	273	—	6.24	242 x
1762	1130	—	640	—	7.40	206 x
1763	1334	1330	756	755	7.77, 7.76	
1706	12	—	7	—		
1676	50	—	30	—		
1717	106	—	62	—		
1735	206	—	119	—		
1686	276	—	164	—		
1737	625	—	359	—		
1757	968	—	546	—		
1763	1137	—	645	—		
1720	1521	—	884	—		

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1929phae.proj.12680

102 Neo Series

Hyp – RH 684 continued from Book 61, Page 76
– Aug 8, 1929

Strip	Class	Star	Y	X	Diff	Diff	Cl	Dk.	Volt
		1A	2090	1020	172	—	1838	165	500
		1	1728	984	241	—	1861	169	
		2	—	—	305	—	1883	169	
		3	—	—	420	—	1906	168	
		4	—	—	500	—	1874	169	
		5	—	—	730	—	1890	168	
		6	—	—	1004	—	1813	170	
		7			1216	—	1848	170	
		8			1543	—	1840	171	
19.4	f	42	1950	1037	1019	1330	1871	173	
19.6	p	30	1967	577	929	—	1820	173	
	p	31	1962	657	902	—	1868	172	
	f	43	1969	891	1311	1320	1882	177	
	f	44	1972	921	1349	1283	1872	179	
	f	45	1969	1071	1180	1182	1872	179	
	f	46	1962	1188	1360	1290	1869	180	
	p	32	1968	1449	1493	—	1929	180	
	p	33	1972	1490	561	—	1923	180	
19.8	p	34	1995	702	1473	—	1892	181	
	p	35	1990	769	779	—	1890	181	
	f	47	1983	796	1181	1180	1881	180	
	p	36	1983	1218	1504	—	1909	182	
	p	37	1980	1394	1002	—	1930	181	
20.0	f	48	1998	613	1213	1212	1872	180	
	f	49	2008	1076	1099	1117	1863	181	
20.2	f	50	2020	269	869	879	1792	181	
	f	61	2016	343	338	343	1810	179	
	p	38	1989	489	1568	—	1818	181	
	f	52	2020	567	539	550	1839	179	
	p	39	2013	572	1299	—	1860	180	

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1929phae.proj.12688

Cl-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	b. No.
1673	01	—	04	—		
1692	70	—	43	—		
1714	136	—	79	—		
1738	252	—	145	—		
1705	331	—	194	—		
1722	562	—	326	—		
1643	834	—	507	—		
1678	1046	—	623	—		
1669	1372	—	824	—		
1698	1146	1159	675	682	7.54, 7.56	
1647	757	—	459	—	6.90	6.06 ✓
1696	730	—	431	—	6.78	625 ✓
1705	1134	1143	666	670	7.52, 7.53	
1693	1176	1104	692	653	7.58, 7.47	
1693	1001	1003	592	593	7.28, 7.29	
1689	1180	1110	698	657	7.62, 7.48	
1749	1313	—	751	—	7.82	1201 +
1743	381	—	218	—	6.00	1214 +
1711	1292	—	755	—	7.85	601 ✓
1709	598	—	350	—	6.60	627 ✓
1701	1001	1000	588	587	7.27, 7.26	
1727	1302	—	765	—	7.90	1139 ✓
1749	821	—	472	—	6.95	1208 +
1692	1033	1032	611	610	7.34, 7.34	
1682	918	936	545	556	7.16, 7.19	
1611	688	698	426	432	6.76, 6.77	
1631	159	164	97	101	5.39, 5.44	
1637	1387	—	846	—	8.36	583 ✓
1660	360	371	217	223	5.99, 6.01	
1680	1174	—	665	—	7.52	587 ✓

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1929phae.proj.12680

New Series

Dyl – R 4684 – Aug 8, 1929

Strip	Class	Star	y	x	Dyll	Dyll	Cl	Dk	Volts
	f	53	2022	616	1490	1470	1850	182	
	f	54	2031	681	1468	1472	1874	182	
	f	55	2032	969	420	420	1881	180	
	p	46	2020	1502	1282	—	1927	180	
20.4	p	41	2023	576	1230	—	1823	184	
	f	56	2049	1150	738	747	1875	182	
	p	42	2048	1290	1221	—	1887	186	
	f	57	2059	1299	550	534	1650	181	
	p	43	2040	1302	822	—	1890	180	
	p	44	2052	1326	1007	—	1899	181	
20.6	f	58	2059	810	1102	1123	1874	184	
20.8	f	59	2080	617	1291	1318	1812	189	
	p	45	2087	1242	1458	—	1820	190	
	p	46	2089	1272	869	—	1927	188	
	f	60	2090	1387	1371	1370	1921	190	
21.4	f	61	2141	740	1327	1330	1851	191	
	p	47	2141	1070	1534	—	1862	192	
	f	62	2148	1168	1401	1488	1890	193	
	f	63	2139	1210	1348	1502	1741	192	
	f	64	2140	1213	1220	1232	1830	192	
	f	65	2139	1450	1216	1211	1840	192	
		10	2090	1020	210	—	1799	191	
		1	1728	984	301	—	1848	191	
		2	—	—	342	—	1881	190	
		3	—	—	470	—	1888	190	
		4	—	—	580	—	1857	192	
		5	—	—	743	—	1869	191	
		6	—	—	1067	—	1800	191	
		7	—	—	1239	—	1824	191	
		8	—	—	1541	—	1781	191	495

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1929phae.proj.12000

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1668	1308	1288	784	771	7.99, 7.93	
1692	1286	1290	758	761	7.87, 7.88	
1701	240	240	141	141	5.70, 5.70	
1747	1102	—	633	—	7.41	
1639	1046	—	638	—	7.43	570 ✓
1693	556	565	328	333	6.43, 6.44	
17a	1035	—	608	—	7.34	1246 ✓
1469	369	353	251	240	6.11, 6.07	
1710	642	—	375	—	6.58	1242 ✓
1718	826	—	481	—	7.08	1251 ✓
1693	918	939	542	556	7.15, 7.19	
1623	1102	1129	180	695	7.55, 7.60	
1630	1268	—	777	—	7.96	✓
1739	681	—	392	—	6.64	1279 ✓
1731	1181	1180	682	681	7.56, 7.55	
1660	1136	1139	684	685	7.57, 7.57	
1670	1342	—	804	—	8.11	105 ✓
1697	1218	1295	711	763	7.66, 7.88	
1549	1156	1310	746	844	7.80, 8.35	
1638	1038	1040	627	634	7.39, 7.42	
1648	1024	1019	622	618	7.37, 7.36	
1608	19	—	12	—		
1657	110	—	66	—		
1691	152	—	90	—		
1698	280	—	165	—		
1663	388	—	233	—		
1678	552	—	330	—		
1609	876	—	525	—		
1627	1048	—	643	—		
1590	1350	—	848	—		

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1929phae.proj.12680

106 New Series

Dyp. R.A. 684 – Aug 9, 1929

Strip	Class	Star	y	b	Defl.	Defl.	α	Δb	last 510
		10	2090	962	317	—	1839	109	
		1	1728	929	169	—	1870	109	
		2	—	—	249	—	1893	110	
		3	—	—	368	—	1902	110	
		4	—	—	450	—	1870	110	
		5	—	—	651	—	1900	110	
		6	—	—	953	—	1793	110	
		7	—	—	1133	—	1837	111	
		8	—	—	1501	—	1884	113	
21.6	p	48	2160	403	461	—	1770	112	
	f	66	2170	929	1268	1243	1853	113	
	p	49	2162	1149	1040	—	1890	117	
21.8	p	50	2191	251	423	—	1771	113	
	f	67	2192	382	1020	1029	1684	117	
	p	51	2191	1226	912	—	1851	117	
22.0	f	68	2198	401	1490	1492	1840	120	
	p	52	2200	1372	1357	—	1900	121	
	p	53	2200	1381	1190	—	1890	120	
22.2	f	69	2228	1157	1489	1528	1919	119	
	f	70	2220	1387	1361	1363	1920	121	
	f	71	2230	1390	722	745	1941	120	
22.4	f	72	2250	374	This, a bit field star over a faint one.				
	f	73	2249	409	1350	1361	1850	121	
	f	74	2258	679	301	291	1860	120	
	f	75	2250	1147	1479	1490	1861	121	
	p	54	2250	1367	849	—	1902	121	
22.6	f	76	2272	394	1368	1398	1862	129	
	p	55	2263	762	728	—	1861	124	
	p	56	2262	1072	1418	—	1882	128	

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1730	08	—	05	—		
1761	60	—	34	—		
1783	139	—	78	—		
1792	258	—	144	—		
1760	340	—	193	—		
1790	541	—	303	—		
1683	843	—	502	—		
1726	1022	—	694	—		
1771	1388	—	782	—		
1658	349	—	211	—	6.04	536 x
1746	1155	1130	664	650	7.60, 7.54	
1773	923	—	522	—	7.17	62 ✓
1658	300	—	181	—	5.91	
1567	903	912	577	583	7.32, 7.33	
1734	195	—	113	—	5.53	56 ✓
1720	1376	1372	796	797	8.25, 8.26	
1779	1236	—	694	—	7.73	a x
1770	1070	—	604	—	7.41	23 x
1800	1370	1409	761	782	8.04, 8.15	
1799	1240	1242	689	690	7.70, 7.71	
1821	602	625	330	343	6.54, 6.57	
1729	1229	1240	710	717	7.80, 7.84	
1740	181	171	104	98	5.46, 5.41	
1740	1358	1369	761	766	8.05, 8.07	
1781	728	—	408	—	6.77	51 x
1733	1239	1269	714	731	7.83, 7.89	
1737	604	—	347	—	6.58	376 ✓
1754	1290	—	734	—	7.92	h ✓

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1929phae.proj.1268C

Strip	Class	Star	y	x	Δeff	Δeff	cl	Δk	Plate
	f	77	2263	1072	762	767	1871	123	
	f	78	2263	1260	1481	1483	1907	128	
22.8	f	79	2296	788	1468	1460	1804	129	
23.0	p	80	2302	575	1448	1430	1847	129	
	f	81	2304	939	960	953	1888	128	
	d	82	2312	1086	1294	1302	1860	123	
	p	57	2310	1200	1318	—	1838	129	
23.2	p	58	2330	339	1270	—	1811	123	
	f	83	2316	384	1481	1473	1805	128	
	p	59	2320	468	748	—	1817	125	
	p	60	2319	562	1328	—	1853	126	
	p	61	2320	806	1296	—	1859	123	
	f	84	2329	979	482	490	1857	122	
	p	62	2331	1019	483	—	1863	122	
	f	85	2321	1381	940	1112	1887	123	
	d	86	2323	1387	580	592	1893	122	
23.4	p	63	2340	286	1291	—	1812	124	
	f	87	2346	609	1308	1311	1831	128	
	f	88	2350	802	1357	1356	1823	129	
	d	89	2348	971	1404	1388	1858	128	
	f	90	2349	1289	1305	1309	1874	128	
23.6	p (2)	64	2373	470	1391	—	1840	127	
23.8	f (1)	91	2369	448	1324	1392	1838	124	
23.8	f	92	2384	480	1002	1010	1798	123	
	f	93	2382	803	1444	1431	1811	127	
	f	94	2391	894	1438	1418	1843	129	
	f	95	2383	1106	600	602	1871	122	
	d	96	2380	1317	1041	1062	1863	125	
24.0	f	97	2411	549	1197	1238	1844	129	
	p	65	2410	907	738	—	1849	128	

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1929phae.proj.1268

α. Dec.	Dafl. – Dec.	Dafl-Dec.	Reduced	Reduced	Magn.	L. No.
1748	639	644	365	368	6.63, 6.64	
1779	1353	1355	761	769	8.05, 8.05	
1675	1339	1331	798	795	8.27, 8.25	
1718	1319	1301	767	758	8.07, 8.04	
1760	832	825	474	468	7.01, 6.99	
1737	1171	1179	675	687	7.65, 7.69	
1709	1189	—	696	—	7.73	118
1688	1147	—	680	—	7.66	498
1677	1353	1345	808	802	8.35, 8.30	
1692	623	—	368	—	6.64	474
1727	1202	—	696	—	7.74	451
1736	1173	—	676	—	7.66	338
1735	360	368	207	212	6.04, 6.05	
1741	351	—	201	—	6.00	205
1764	817	989	464	560	6.98, 7.27	
1771	458	470	368	365	6.62, 6.64	
1688	1167	—	692	—	7.72	503
1703	1180	1183	692	694	7.72, 7.73	
1694	1228	1227	723	722	7.86, 7.85	
1730	1276	1260	738	727	7.94, 7.87	
1746	1177	1181	674	677	7.64, 7.66	
1713	1264	—	738	—	7.92	457 ?
1714	1200	1268	699	737	7.74, 7.93	
1675	879	887	526	529	7.17, 7.19	
1684	1317	1304	782	773	8.16, 8.12	
1714	1309	1289	761	750	8.05, 7.99	
1749	478	480	374	375	6.65, 6.65	
1738	916	937	527	538	7.18, 7.21	
1715	1068	1109	622	645	7.45, 7.54	
1721	610	—	354	—	6.60	279

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1929phae.proj.12680

Dyl-RH 684 – Aug 9, 1927

110 New Series

Strip	Class	Star	y	x	Dyll.	Dyll	Cl	Dk	Notes
	l	98	2407	1031	490	835	1842	128	
24.2	p	66	2422	373	1131	—	1832	127	
	p	67	2430	378	1500	—	1838	129	
	p	68	2437	547	668	—	1853	127	
	p	69	2420	578	1175	—	1823	123	
	l	99	2427	668	971	1000	1790	126	
	p	76	2434	884	663	—	1831	123	
	l	100	2430	948	1511	1521	1849	130	
	l	101	2418	1290	1483	1484	1867	130	
		14	2090	962	141	—	1830	125	
		1	1728	929	188	—	1828	124	
Continued in Book 67, Page 76		2	—	—	265	—	1869	123	
		3	—	—	380	—	1877	123	
		4	—	—	441	—	1840	122	
		5	—	—	670	—	1851	122	
		6	—	—	971	—	1762	123	
		7	—	—	1140	—	1801	122	
		8	—	—	1487	—	1810	123	510
		Continued from Book 67, Page 82					Dyl-RH 1402 – Aug 13, 1929		
		10	2131	779	054	—	1467	002	510
		1	1990	1110	110	—	1480	002	
		2	—	—	260	—	1523	002	
		3	—	—	442	—	1499	002	
		4	—	—	470	—	1481	003	
		5	—	—	780	—	1432	004	
		6	—	—	1040	—	1468	007	
		7	—	—	1070	—	1440	003	
		8	—	—	1391	—	1472	009	
16.0	p	8	1609	343	1198	—	1459	010	
	p	9	1600	893	1218	—	1440	010	

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1929phae.proj.12000

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mags.	L. Ks.
1714	662	707	386	413	6.69, 6.78	
1705	1004	—	588	—	7.26	464
1709	1371	—	804	—	8.32	462
1728	541	—	314	—	6.47	426
1700	1052	—	620	—	7.45	420
1664	845	874	607	?	7.12	~~294~~
1708	530	—	311	—	6.46	294
1719	1381	1397	804	813	8.30, 8.36	
1737	1353	1354	779	786	8.15, 8.15	
1705	16	—	09	—		
1704	64	—	38	—		
1746	142	—	81	—		
1754	257	—	187	—		
1718	319	—	186	—		
1729	548	—	318	—		
1639	848	—	678	—		
1679	1018	—	606	—		
1687	1364	—	809	—		
1465	52	—	36	—		
1478	108	—	73	—		
1521	258	—	170	—		
1497	440	—	294	—		
1478	467	—	316	—		
1428	776	—	545	—		
1461	1033	—	707	—		
1437	1067	—	743	—		
1463	1382	—	945	—		
1449	1188	—	821	—	7.68	
1430	1208	—	845	—	7.78	679

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1929phae.proj.12680

112 New Series

Dipp - RH 1402 - Aug 12, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volts
	f	12	1611	1033	1135	1083	1497	010	
	f	13	1611	1120	1028	955	1489	010	
16.2	p	10	1621	538	504	—	1452	009	
	f	14	1634	679	911	852	1488	009	
	p	11	1633	1283	1170	—	1461	011	
16.4	f	15	1650	482	1119	1029	1441	011	
	f	16	1632	731	1301	1263	1472	010	
	f	17	1640	733	1148	1149	1475	011	
16.6	p	12	1670	278	1122	—	1463	011	
	p	13	1671	456	880	—	1470	010	
	f	18	1678	920	1224	1168	1472	011	
	f	19	1658	960	501	449	1473	010	
	f	20	1671	1120	1335	1234	1474	010	
16.8	p	14	1684	709	1200	—	1457	012	
	p	15	1682	809	1190	—	1470	012	
	p	16	1688	1249	1069	—	1467	012	
17.0	p	17	1705	933	1191	—	1461	011	
17.2	p	18	1729	408	821	—	1468	012	
	f	21	1720	679	438	383	1482	010	
	p	19	1729	1133	1240	—	1487	010	
	f	22	1722	1147	894	800	1438	011	
	f	1	2131	779	080	—	1478	011	
	f	1	1990	1110	131	—	1490	010	
		2	—	—	280	—	1520	011	
		3	—	—	461	—	1508	010	
		4	—	—	482	—	1490	011	
		5	—	—	837	—	1466	011	
		6	—	—	1054	—	1492	011	
		7	—	—	1085	—	1480	012	
		8	—	—	1416	—	1482	012	510

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1929phae.proj.12000

Cl.-Obs.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No
1487	1125	1073	768	722	7.38, 7.23	
1479	1018	945	689	646	7.08, 6.93	
1443	495	—	344	—	5.89	536 x
1474	902	848	611	572	6.79, 6.64	
1450	1159	—	800	—	7.58	801 x
1430	1108	1018	775	712	7.45, 7.17	
1462	1291	1263	884	857	7.96, 7.83	
1464	1137	1139	776	778	7.47, 7.48	
1452	1111	—	766	—	7.47	464 x
1460	~~850~~	—	597	—	6.78	606 v
1467	1213	1154	831	792	7.71, 7.53	
1463	497	439	336	301	5.86, 5.77	
1464	1325	1224	906	837	8.05, 7.74	
1445	1188	—	823	—	7.68	587 v
1458	1178	—	808	—	7.69	642 v
1455	1057	—	728	—	7.24	809 x
1450	1180	—	813	—	7.88	713 v
1456	809	—	556	—	6.58	474 x
1472	428	373	291	253	5.74, 5.61	
1477	1230	—	833	—	7.72	791 x
1427	883	789	619	553	6.81, 6.57	
1462	69	—	47	—		
1480	121	—	82	—		
1509	269	—	178	—		
1498	451	—	302	—		
1479	471	—	319	—		
1455	826	—	569	—		
1481	1043	—	706	—		
1468	1173	—	732	—		
1470	1404	—	966	—		

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1929phae.proj.1268

RH 694 – Aug 17, 1929 – [illegible]

New Series

Strip	Class	Stn	y	x	Defl.	Defl.	Cl.	Dk.	Volts
		15	2002	720	092	—	1722	090	520
		1	2315	910	122	—	1868	091	
		2	—	—	183	—	1843	090	
		3	—	—	280	—	1851	090	
		4	—	—	312	—	1859	090	
		5	—	—	481	—	1842	089	
		6	—	—	949	—	1871	090	
		7	—	—	1012	—	1869	091	
		8	—	—	1558	—	1862	091	
16.2	p	40	1616	329	871	862	1710	090	
	p	25	1630	341	1082	—	1811	091	
	p	26	1624	539	1210	—	1828	092	
	p	41	1630	640	1701	1720	1840	093	
	p	42	1631	889	702	713	1830	091	
	p	27	1620	981	1287	—	1868	092	
	p	28	1622	1033	1613	—	1849	094	
	p	29	1638	1179	1431	—	1858	097	
16.4	p	43	1654	340	1400	1411	1823	097	
	p	44	1647	432	1599	1580	1812	098	
	p	45	1652	512	1371	1380	1837	099	
	p	46	1641	595	1524	1471	1856	101	
	p	30	1657	641	593	—	1871	098	
	p	47	1640	720	1460	1487	1860	100	
	p	48	1650	800	1540	1561	1862	100	
	p	31	1639	813	1500	—	1829	101	
	p	49	1641	809	1662	1681	1867	102	
	p	32	1654	911	1490	—	1847	102	
	p	50	1648	1133	472	459	1830	100	
	p	51	1650	1160	1227	1221	1832	100	
16.6	p	52	1672	367	1171	1180	1807	101	

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1929phae.proj.1268

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. K.
1632	02	—	01	—		
1777	31	—	17	—		
1753	93	—	53	—		
1761	190	—	108	—		
1769	222	—	126	—		
1753	392	—	223	—		
1781	869	—	482	—		
1778	921	—	678	—		
1771	1467	—	828	—		
1620	781	772	484	477	7.24, 7.22	
1720	991	—	577	—	7.55	206 x
1736	1118	—	644	—	7.75	264 x
1747	1608	1627	920	931	off curve, off curve	
1739	611	622	352	358	6.85, 6.87	
1776	1185	—	667	—	7.83	451 v
1745	1519	—	870	—	8.47	
1761	1334	—	758	—	8.10	523 v
1726	1303	1314	755	762	8.07, 8.10	
1714	1501	1482	876	865	off curve, 8.43	
1738	1272	1281	723	738	8.02, 8.04	
1755	1423	1370	811	781	8.25, 8.16	
1773	485	—	273	—	6.60	294 v
1760	1360	1387	773	788	8.14, 8.18	
1762	1440	1461	816	830	8.27, 8.32	
1728	1449	—	838	—	8.35	
1765	1560	1579	884	895	off curve, off curve	
1745	1388	—	795	—	8.23	425 v
1730	372	359	215	207	6.40, 6.36	
1732	1127	1121	651	648	7.76, 7.75	
1706	1070	1079	628	633	7.68, 7.71	

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1929phae.proj.1268c

New Series

Slp – RH 694 – Aug 17, 1929

Strip	Class	Star	y	y	Diff.	Diff.	U.	Dk. volt.
		53	1669	683	1284	1300	1837	101
		54	1670	749	1204	1166	1848	101
		55	1668	1125	1292	1399	1850	101
16.8		56	1687	289	1022	1042	1779	101
		57	1680	302	963	993	1819	100
		58	1681	452	560	549	1854	100
		59	1677	781	1060	1057	1851	100
		60	1690	597	900	892	1864	100
		33	1688	632	662	—	1880	099
		61	1698	661	1317	1339	1860	100
		62	1691	682	1020	1030	1856	100
		63	1689	959	1511	1554	1864	101
		64	1689	1180	1582	1574	1821	101
		34	1696	1190	290	—	1870	100
17.0		65	1711	426	1697	1588	1837	102
		35	1702	590	578	—	1860	100
		66	1710	756	1120	1158	1887	101
		36	1701	847	1548	—	1897	103
		67	1700	927	1631	1664	1878	103
		37	1711	1189	1412	—	1877	104
		68	1713	1204	1190	1081	1856	102
		69	1711	1211	1058	1060	1859	101
		70	1700	1212	1180	1140	1820	102
		71	1709	1350	138	140	1860	100
		1A	2002	720	101	—	1753	100
		1	2315	910	131	—	1851	099
		2	—	—	197	—	1843	099
		3	—	—	283	—	1867	099
		4	—	—	321	—	1870	098
		5	—	—	502	—	1864	100
		6	—	—	873	—	1890	100
		7	—	—	1003	—	1859	100
		8	—	—	1564	—	1875	101

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1929phae.proj.12680

Cl. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. L. No.	
1736	1183	1199	682	691	7.84, 7.88	
1777	1103	1065	622	600	7.67, 7.59	
1749	1191	1298	682	742	7.85, 8.03	
1678	921	941	548	561	7.43, 7.48	
1719	863	892	502	519	7.30, 7.35	
1754	460	449	263	256	6.57, 6.54	
1751	960	957	548	547	7.44, 7.44	
1764	800	792	454	451	7.16, 7.15	
1781	563	—	316	—	6.73	279 v
1760	1217	1234	692	703	7.88, 7.93	
1756	920	930	524	529	7.36, 7.37	
1763	1410	1453	800	824	8.23, 8.29	
1726	1481	1473	862	867	8.42, 8.44	
1776	190	—	107	—	5.78	536 x
1735	1535	1486	884	856	off curve, 8.39	
1760	478	—	272	—	6.51	240 v
1786	1019	1057	570	592	7.58, 7.57	
1794	1440	—	803	—	8.24	
1773	1528	1561	862	882	8.43, off curve	
1773	1308	—	737	—	8.04	541 v
1754	1028	1079	585	614	7.65, 7.64	
1758	957	959	546	546	7.43, 7.44	
1718	1078	1038	626	605	7.67, 7.62	
1750	38	40	22	23	4.59, 4.60	
1653	01	—	01	—		
1752	32	—	18	—		
1744	98	—	56	—		
1768	184	—	104	—		
1772	223	—	126	—		
1764	402	—	227	—		
1790	773	—	432	—		
1759	903	—	514	—		
1774	1463	—	836	—		

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1929phae.proj.12680

New Series MQ.D. Aug. 19, 1929. RH 694

New Series

trip	class	Star		y	z	Diff.	Diff.	Cl.	Rh.	volts
			18	2002	680	020	—	1650	020	5.21
			1	2315	870	050	—	1759	020	
			2	—	—	110	—	1770	017	
			3	—	—	193	—	1749	020	
			4	—	—	236	—	1750	020	
			5	—	—	410	—	1747	016	
			6	—	—	807	—	1770	020	
			7	—	—	905	—	1740	021	
			8	—	—	1410	—	1767	020	
17.2	f		72	1719	330	583	580	1702	020	
	f		73	1718	417	1061	1075	1725	022	
	fp		38	1720	594	1240	—	1720	020	
	p		39	1725	721	1130	—	1700	024	
	f		74	1732	893	360	352	1748	026	
	f		75	1720	950	1010	1021	1749	025	
17.4	f		76	1750	229	1400	1403	1700	025	
	f		77	1746	280	1118	1110	1700	020	
	f		78	1746	317	541	550	1698	021	
	fp		40	1750	367	430	—	1710	022	
	f		79	1750	409	935	940	1710	021	
	f		80	1736	450	850	820	1730	027	
17.6	f		81	1763	379	964	1020	1700	021	
	f		82	1770	446	560	555	1730	024	
	f		83	1763	743	875	863	1720	024	
	fp		41	1760	781	495	—	1745	028	
	f		84	1767	932	385	1390	1757	028	
	f		85	1766	1022	1274	1235	1735	027	
	f		86	1771	1247	1340	1315	1740	027	
	f		87	1760	1299	1190	1175	1740	028	
	f		18	2002	680	035	—	1660	029	

Note: a field star is too close to 18 to give an accurate measure.

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1929phae.proj.1268

Cl. Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	D.Ks.
1630	0	—	0	—		
1739	30	—	17	—		
1753	93	—	53	—		
1729	173	—	100	—		
1730	216	—	125	—		
1731	394	—	227	—		
1750	787	—	448	—		
1719	884	—	675	—		
1747	1390	—	796	—		
1682	663	560	385	333	6.74, 6.78	
1703	1039	1053	610	618	7.67, 7.60	
1700	1220	—	718	—	8.07	274
1676	1106	—	660	—	7.89	338
1722	334	326	194	189	6.29, 6.27	
1724	985	996	572	578	7.47, 7.49	
1675	1375	1378	821	822	8.40, 8.41	
1680	1098	1090	631	649	7.71, 7.69	
1677	520	529	310	315	6.66, 6.67	
1688	408	—	242	—	6.53	183
1689	914	919	543	546	7.38, 7.38	
1703	823	793	483	467	7.18, 7.13	
1679	943	999	563	596	7.44, 7.54	
1706	536	531	315	312	6.67, 6.66	
1696	861	839	503	495	7.24, 7.22	
1717	461	—	272	—	6.62	376
1729	1357	1362	786	789	8.19, 8.20	
1708	1247	1208	730	707	7.95, 7.87	
1713	1313	1288	766	751	8.11, 8.04	
1712	11162	1147	679	668	7.78, 7.75	
1631	006	—	04	—		

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1929phae.proj.12680

120 New Series

MRD Aug 19, 1929 RH 694

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dh.	volts
		1	2315	870	060	—	1748	031	5.21
		2	—	—	115	—	1720	032	
		3	—	—	220	—	1755	033	
		4	—	—	255	—	1750	035	
		5	—	—	423	—	1740	031	
		6	—	—	820	—	1778	037	
		7	—	—	950	—	1811	039	
		8	—	—	1455	—	1830	042	
HP—		11	2002	703	057	—	1770	052	520
RH 694—		1	2315	894	086	—	1849	052	
Aug 19 1929		2	—	—	145	—	1853	052	
		3	—	—	239	—	1868	053	
		4	—	—	282	—	1851	056	
		5	—	—	458	—	1843	059	
		6	—	—	852	—	1709	057	
		7	—	—	971	—	1870	060	
		8	—	—	1591	—	1869	062	
17.8	ℓ	88	1791	328	1512	1531	1809	063	
	ℓ	89	1790	331	143	140	1752	059	
	ℓ	96	1780	340	1443	1442	1778	061	
	ℓ	91	1780	381	540	508	1839	061	
	ℓ	92	1789	562	1511	1580	1850	067	
	ℓ	93	1781	918	1710	1651	1850	068	
	ℓ	94	1784	1137	1254	1270	1858	069	
	ℓ	95	1791	1178	1280	1307	1837	071	
18.0	p	42	1809	244	1324	—	1796	071	
	ℓ	96	1802	549	347	340	1851	070	
	p	43	1807	552	370	—	1852	070	
	ℓ	97	1808	807	1540	1668	1842	072	

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1929phae.proj.1268

d.-Dk.	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn. L.Ks	
1717	29	—	17	—		
1688	83	—	49	—		
1722	187	—	108	—		
1715	220	—	128	—		
1709	392	—	229	—		
1741	783	—	448	—		
1771	911	—	514	—		
1788	1413	—	791	—		
1718	05	—	03	—		
1797	34	—	19	—		
1801	93	—	57	—		
1815	186	—	103	—		
1795	226	—	126	—		
1784	399	—	223	—		
1652	795	—	481	—		
1810	911	—	503	—		
1807	1529	—	845	—		
1746	1449	1468	830	840	8.27, 8.33	
1693	84	81	50	48	5.19, 5.16	
1717	1382	1381	804	803	8.20, 8.19	
1878	479	447	205	238	6.05, 6.47	
1783	1444	1513	810	848	8.22, 8.35	
1782	1642	1583	920	887	off curve, 8.51	
1789	1185	1201	662	672	7.77, 7.81	
1766	1209	1236	685	701	7.84, 7.89	
1726	1253	—	726	—	8.05	135 x
1781	277	270	156	152	6.04, 6.04	
1782	300	—	169	—	6.13	205 ✓
970	668	796	340	405	6.80, 6.97	

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1929phae.proj.12680

2ff-RV#694 — Aug 19, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
0.		98	1801	829	068	068	1688	070	
	p	44	1810	953	1572	—	1867	071	
	p	45	1810	991	1652	—	1882	072	
	p	46	1809	1053	1684	—	1851	077	
		99	1802	1073	1641	1704	1853	079	
		100	1803	1134	1390	1380	1850	079	
		101	1810	1280	1149	1151	1857	080	
	p	47	1810	1405	1637	—	1830	079	
18.2	p	48	1830	220	1450	—	1830	081	
		102	1826	369	1363	1456	1817	081	
		103	1830	437	1406	1400	1843	080	
		104	1838	513	1576	1621	1835	077	
		105	1817	539	1053	1040	1860	080	
		106	1821	630	1292	1337	1863	080	
		107	1822	659	1653	1676	1882	080	
		108	1833	968	1224	1190	1854	080	
	p	49	1833	1212	1458	—	1848	081	
		109	1830	1311	802	788	1849	077	
		110	1830	1401	1590	1541	1851	080	
18.4		111	1852	406	1616	1503	1839	080	
		112	1841	470	983	923	1846	080	
		113	1842	564	1410	1456	1868	080	
		114	1841	621	139	138	1852	077	
		115	1847	727	1063	1062	1849	079	
		116	1847	733	1470	1456	1852	078	
	p	50	1840	1121	1064	—	1834	080	
		117	1842	1188	111	112	1819	073	
		118	1850	1415	1432	1400	1830	080	
18.6		119	1862	362	1181	1212	1827	079	
		120	1859	390	891	901	1801	073	

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1929phae.proj.12680

Cl.-Dk.	Dyff.-Dk.	Dyff.-Dk.	Reduced	Reduced	Mags.	L.No.
1618	−2	−2				
1796	1501	—	837	—	8.42	496 ×
1810	1580	—	873	—	8.55	518 ×
1774	1607	—	905	—	off curve	
1774	1562	1625	831	917	8.29, off curve	
1771	1311	1301	740	730	8.00, 7.97	
1777	1069	1071	600	603	7.57, 7.58	
1751	1558	—	890	—	8.60	
1749	1369	—	783	—	8.24	120 ×
1736	1282	1375	738	792	8.00, 8.15	
1763	1326	1320	752	748	8.03, 8.02	
1758	1479	1544	852	879	8.36, 8.47	
1780	973	960	547	539	7.39, 7.36	
1783	1212	1257	680	705	7.83, 7.90	
1802	1573	1596	874	885	8.45, 8.49	
1774	1144	1110	645	626	7.72, 7.66	
1767	1377	—	779	—	8.22	589 ✓
1772	725	711	408	402	6.98, 6.96	
1771	1510	1461	869	826	8.37, 8.27	
1759	1536	1423	873	810	8.45, 8.22	
1766	903	843	511	477	7.28, 7.16	
1788	1330	1376	743	768	8.02, 8.07	
1775	62	61	35	34	4.94, 4.93	
1770	984	983	551	556	7.41, 7.43	
1774	1392	1378	785	776	8.13, 8.08	
1754	984	—	562	—	7.54	570 ✓
1746	38	39	22	22	4.60, 4.60	
1750	1352	1320	773	754	8.08, 8.04	
1748	1102	1123	631	642	7.67, 7.71	
1728	818	828	473	480	7.16, 7.18	

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1929phae.proj.1268

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New Series

Agp – R.H 694 – Aug 19, 1929

strip	class	star	x	y	Defl.	Defl.	Cl.	Sk.	volts
18.6	P	51	1864	419	1239	—	1840	077	
		121	1873	429	1123	1143	1832	078	
		122	1872	477	1010	1001	1847	079	
		123	1858	481	1361	1358	1839	078	
		124	1870	662	1181	1170	1834	081	
		125	1869	822	722	719	1871	077	
		126	1873	831	1640	1568	1868	080	
		127	1859	978	1470	1531	1831	080	
		128	1858	1081	1462	1450	1842	080	
		129	1860	1099	1020	997	1840	079	
	P	52	1873	1139	1153	—	1840	079	
	P	130	1870	1282	963	960	1829	077	
		18	2002	703	081	—	1728	079	
		1	2315	894	111	—	1523	077	
		2	—	—	177	—	1817	073	
		3	—	—	255	—	1837	075	
		4	—	—	300	—	1822	072	
		5	—	—	487	—	1839	078	
		6	—	—	863	—	1670	076	
		7	—	—	980	—	1838	075	
		8	—	—	1448	—	1849	078	

520

MRD – R.H 694 – Aug. 20, 1929

	18	2002	677	070	—	1790	070	volt 5.20
	1	2315	867	103	—	1865	073	
	2	—	—	170	—	1858	070	
	3	—	—	268	—	1853	070	
	4	—	—	308	—	1848	073	
	5	—	—	470	—	1849	074	
	6	—	—	910	—	1880	076	
	7	—	—	1000	—	1840	075	
	8	—	—	1530	—	1874	080	

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1929phae.proj.1268c

Cl. Dk.	Defl. – Dk	Defl. Dk	Reduced	Reduced	Magn.	Lks.
1763	1162	—	660	—	7.64	e x
1754	1045	1065	590	607	7.53, 7.58	
1768	931	922	527	521	7.33, 7.31	
1761	1283	1280	728	726	7.47, 7.46	
1753	1100	1099	628	627	7.66, 7.65	
1794	645	636	359	365	6.85, 6.83	
1788	1560	1488	873	831	8.45, 8.29	
1751	1390	1457	794	829	8.15, 8.27	
1762	1382	1370	784	778	8.13, 8.08	
1761	941	918	585	521	7.35, 7.35	
1761	1074	—	610	—	7.69	587 v
1752	886	883	506	503	7.26, 7.25	
1649	62	—	01	—		
1746	34	—	19	—		
1744	104	—	60	—		
1762	180	—	102	—		
1760	228	—	130	—		
1766	414	—	234	—		
1594	787	—	493	—		
1763	905	—	573	—		
1771	1400	—	791	—		
1720	0	—	0	—		
1792	30	—	17	—		
1788	100	—	56	—		
1783	198	—	111	—		
1775	230	—	133	—		
1775	396	—	223	—		
1804	834	—	462	—		
1765	925	—	524	—		
1794	1450	—	808	—		

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1929phae.proj.1268

126 MRD. Aug 20, 1929, R. H. 694

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
18.8	f	131	1892	250	1500	1470	1842	073	
	f	132	1880	293	920	890	1810	070	
	f	133	1892	373	695	715	1829	079	
	fp	53	1892	502	1460	—	1850	081	
	f	134	1890	1000	1560	1555	1832	080	
	f	135	1880	1038	1470	1455	1847	080	
	f	136	1890	1358	1650	1540	1840	078	
19.0	f	137	1916	202	590	610	1798	080	
	f	138	1900	246	900	880	1815	082	
	f	139	1902	319	1190	1168	1800	081	
	fp	54	1907	368	1250	—	1830	083	
	f	140	1908	462	1230	1210	1840	083	
	f	141	1908	685	1020	1010	1825	080	
	f	142	1900	1030	1425	1425	1840	088	
	f	143	1911	1129	1450	1430	1855	090	
19.2	f	144	1935	263	1490	1450	1824	088	
	f	145	1930	278	1407	1440	1810	090	
	f	146	1925	302	1585	1560	1825	090	
	f	147	1925	503	145	142	1830	089	
	f	148	1930	593	1490	1470	1870	091	
	f	149	1930	800	1360	1390	1847	088	
	fp	55	1920	1130	650	—	1838	083	
	f	150	1929	1257	1308	1327	1835	082	
		18	2002	677	088	—	1730	085	
		1	2315	867	113	—	1834	083	
		2	—	—	177	—	1850	085	
		3	—	—	270	—	1830	085	
		4	—	—	318	—	1838	088	
		5	—	—	480	—	1820	089	
		6	—	—	900	—	1860	090	Vdf
		7	—	—	1005	—	1840	088	5.19
		8	—	—	1485	—	1849	089	

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1929phae.proj.1268c

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.K.
1769	1427	1397	806	790	8.33, 8.28	
1740	850	820	488	472	7.24, 7.20	
1750	616	636	353	364	6.83, 6.87	
1769	1379	—	780	—	8.24	2h
1752	1480	1475	845	843	8.46, 8.45	
1767	1390	1375	786	779	8.26, 8.24	
1762	1572	1462	894	831	off curve, 8.42	
1718	510	530	297	309	6.98, 6.69	
1733	818	798	472	461	7.21, 7.17	
1719	1109	1087	645	633	7.77, 7.73	
1747	1167	—	668	—	7.86	118v
1757	1147	1127	653	642	7.81, 7.77	
1745	946	930	538	533	7.42, 7.40	
1752	1337	1337	763	763	8.18, 8.18	
1765	1360	1340	770	758	8.21, 8.16	
1736	1402	1362	807	785	8.33, 8.26	
1720	1317	1360	765	785	8.18, 8.25	
1735	1495	1470	862	847	off curve, 8.47	
1741	56	53	32	30	4.90, 4.85	
1779	1399	1379	786	775	8.26, 8.23	
1759	1272	1302	724	742	8.05, 8.10	
1755	567	—	323	—	6.74	606v
1753	1226	1245	698	710	7.96, 8.01	
1645	63	—	02	—		
1751	36	—	17	—		
1765	92	—	52	—		
1745	185	—	106	—		
1750	230	—	131	—		
1731	391	—	226	—		
1770	816	—	468	—		
1752	917	—	524	—		
1768	1396	—	793	—		

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1929phae.proj.12680

Dyp RH 694 - Aug 20, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Ak.	volts
		1a	2002	673	101	—	1762	100	515
		1	2315	862	131	—	1860	101	
		2	—	—	200	—	1880	101	
		3	—	—	301	—	1869	101	
		4	—	—	315	—	1863	102	
		5	—	—	501	—	1861	103	
		6	—	—	898	—	1900	103	
		7	—	—	1002	—	1880	104	
		8	—	—	1535	—	1890	108	
19.4	f	151	1950	288	1527	1588	1853	110	
	p	56	1945	313	1476	—	1862	109	
	f	152	1943	512	1369	1332	1885	110	
	p	57	1950	1000	1394	—	1887	110	
	p	58	1958	1056	665	—	1880	108	
	f	153	1955	1088	1748	1648	1910	111	
	f	154	1950	1201	418	411	1893	110	
	f	155	1954	1231	503	493	1880	107	
	f	156	1948	1323	1152	1060	1899	108	
	f	157	1940	1353	1192	1208	1901	109	
	f	158	1952	1400	1220	1230	1879	110	
19.6	f	159	1960	413	1491	1461	1898	112	
	p	59	1959	463	1591	—	1907	113	
	f	160	1960	477	820	815	1892	111	
	p	60	1973	608	521	—	1903	112	
	f	161	1965	737	1078	1089	1906	113	
	f	162	1970	778	818	806	1883	112	
	f	163	1974	779	882	813	1890	111	
	p	61	1972	1123	1068	—	1863	112	
	p	62	1960	1317	1379	—	1883	112	
19.8	f	164	1980	339	1240	1239	1897	113	

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1929phae.proj.1268c

cc. Dk.	Dyff-Dk.	Dyff-Dk.	Reduced	Reduced	Magn.	L.No.
1662	01	—	81	—		
1759	30	—	17	—		
1779	99	—	56	—		
1768	200	—	113	—		
1761	213	—	121	—		
1758	398	—	226	—		
1997	795	—	443	—		
1776	898	—	506	—		
1782	1427	—	800	—		
1743	1414	1478	813	846	8.33, 8.43	
1763	1385	—	789	—	8.26	90 x
1775	1259	1222	710	691	7.86, 7.89	
1777	1284	—	722	—	8.04	601 v
1772	567	—	315	—	6.73	625 v
1799	1637	~~1537~~	910	854	off curve, 8.45	
1783	308	301	173	169	6.21, 6.18	
1773	396	386	226	217	6.44, 6.42	
1791	1044	452	583	033	7.82, 7.35	
1792	1083	1099	604	612	7.69, 7.63	
1769	1110	1120	628	634	7.68, 7.70	
1786	1379	1349	772	756	8.17, 8.11	
1794	1478	—	823	—	8.38	
1781	709	704	389	385	6.92, 6.91	
1791	409	—	228	—	644	105 v
1793	965	976	538	545	7.37, 7.39	
1771	706	694	398	394	6.94, 6.92	
1779	761	682	428	384	7.02, 6.91	
1751	956	—	546	—	7.47	642
1771	1267	—	715	—	8.03	647
1784	1127	1126	632	631	7.70, 7.69	

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1929phae.proj.1268C

Zgp – RH 694 – Aug 20, 1929

New Series

Strip	Class	Star	Y	Δ	Diff	Diff	Cl	Dk – Bet
		165	1989	717	1563	1527	1919	113
		166	1995	660	253	250	1879	111
		167	1984	767	1238	1271	1883	102
		168	1982	840	1683	1710	1691	114
	p	63	1980	942	545	—	1897	117
		169	1979	1333	1330	1290	1890	113
	p	64	1981	1341	180	—	1890	113
20.0		170	2010	188	1404	1450	1858	113
		171	2009	273	1390	1382	1859	118
		172	2010	278	780	807	1842	113
		173	2001	340	1470	1461	1860	113
		174	2005	442	1447	1552	1890	118
		175	2004	630	1119	1129	1904	119
		176	2010	960	1142	1178	1897	120
	p	65	2010	1116	1489	—	1860	120
		177	2004	1348	1770	1701	1901	121
		178	2000	1382	1951	1330	1849	121
	p	66	2008	1387	1590	—	1865	121
20.2	p	67	2032	242	828	—	1850	120
		179	2016	268	1276	1253	1867	120
		180	2019	280	767	700	1873	120
		181	2030	367	749	742	1882	120
		182	2030	371	1287	1239	1898	120
		183	2016	381	1453	1450	1869	121
	p	68	2029	393	273	—	1887	120
		184	2027	420	1238	1251	1886	120
	p	69	2018	476	964	—	1901	120
		185	2028	1248	1587	1521	1891	122
20.4		186	2039	188	208	212	1774	118
		187	2057	218	625	591	1860	119

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1929phae.proj.1268c

G. Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1806	1450	1414	803	783		
1768	142	139	80	79		
1771	1126	1159	635	653		
1577	1569	1596	995	1011		
1780	428	—	241	—	6.47	627
1777	1217	1177	685	662		
1777	67	—	38	—	4.85	660
1745	1291	1337	740	765		
1741	1272	1264	731	726		
1729	667	694	386	401		
1747	1359	1348	776	771		
1772	1329	1434	760	809		
1788	1000	1010	560	566		
1777	1022	1058	576	595		
1740	1369	—	786	—	8.25	664
1780	1649	1580	925	887		
1728	1230	1209	712	699		
1744	1464	—	842	—	off curve	
1730	708	—	410	—	7.04	51
1747	1156	1133	662	649		
1753	647	580	370	332		
1762	629	622	356	353		
1778	1167	1119	657	629		
1748	1332	1329	763	760		
1767	163	—	87	—	5.55	56
1766	1118	1131	633	642		
1781	844	—	473	—	7.20	62
1769	1465	1399	829	791		
1656	90	94	54	57		
1741	506	472	291	271		

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1929phae.proj.1268

New Series

Hyp - RH 694 - Aug. 20, 1929

Strip	Class	Star	Y	X	Diff	Diff	Cl	Dk	Plate
	p	70	2048	921	1530	—	1858	120	
	p	71	2050	458	1683	—	1868	121	
	f	188	2051	467	1103	1090	1903	121	
	f	189	2052	549	1278	1331	1911	123	
	f	190	2039	879	270	270	1870	121	
	f	191	2042	937	1170	1200	1882	121	
	p	72	2048	1220	1230	—	1879	122	
	f	192	2040	1332	1633	1602	1879	126	
20.6	p	73	2071	970	1601	—	1851	122	
	p	74	2071	403	1916	—	1878	124	
	f	193	2073	642	1503	1473	1879	127	
	f	194	2060	700	1198	1230	1912	125	
	f	195	2070	798	1643	1641	1876	129	
	p	75	2065	1169	1583	—	1881	129	
	f	196	2071	1292	1601	1530	1880	129	
	f	197	2063	1297	1189	1257	1899	129	
	p	76	2058	1298	1344	—	1880	129	
	p	77	2077	1350	1370	—	1859	129	
		10	2002	673	129	—	1780	125	
		1	2315	862	161	—	1897	124	
		2	—	—	239	—	1880	125	
		3	—	—	328	—	1887	127	
		4	—	—	359	—	1888	126	
		5	—	—	537	—	1889	126	
		6	—	—	910	—	1910	128	
		7	—	—	1024	—	1901	128	
		8	—	—	1544	—	1891	129	505

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ks
1738	1410	—	812	—	7.85	
1747	1562	—	895	—	off curve	
1782	982	969	532	544		
1788	1155	1208	647	675		
1749	149	149	86	85		
1761	1049	1079	595	612		
1757	1108	—	631	—	7.75 off curve	679
1753	1507	1476	860	842		
1729	1479	—	855	—	off curve	9
1754	1592	—	909	—	off curve	
1762	1376	1346	910	768		
1787	1043	1105	603	619		
1747	1574	1542	867	884		
1762	1457	—	830	—	8.39	688
1751	1472	1461	840	800		
1770	1060	1128	599	636		
1751	1215	—	694	—	7.95	681?
1730	1241	—	719	—	803	683
1655	04	—	02	—		
1773	37	—	21	—		
1755	114	—	65	—		
1760	196	—	111	—		
1762	233	—	133	—		
1763	411	—	234	—		
1782	782	—	439	—		
1773	896	—	506	—		
1762	1418	—	803	—		

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1929phae.proj.1268

ZgP – R H 694 – Aug 21, 1929

New Series

Strip	Class	Star	Y	Z	Dpl	Dpl	Cl	Dk	Volts
		1*	2002	676	068	—	1687	068	520
		1	2315	864	102	—	1823	070	
		2	—	—	168	—	1817	070	
		3	—	—	269	—	1828	072	
		4	—	—	310	—	1821	072	
		5	—	—	471	—	1823	072	
		6	—	—	918	—	1859	073	
		7	—	—	1058	—	1837	073	
		8	—	—	1540	—	1822	078	
20.8	f	198	2095	219	1550	1523	1787	078	
	p	78	2089	252	1160	—	1816	079	
	p	79	2082	260	1350	—	1798	081	
	f	199	2078	275	1517	1521	1809	080	
	f	200	2097	521	990	967	1820	080	
	f	201	2090	659	993	998	1830	081	
	f	202	2083	945	1091	1082	1826	082	
	f	203	2079	1027	700	731	1849	082	
	f	204	2082	1093	857	863	1839	081	
	f	205	2092	1102	1558	1571	1816	083	
	f	206	2091	1278	1589	1644	1850	089	
21.0	f	207	2100	229	937	909	1819	087	
	f	208	2110	261	1098	1090	1820	089	
	p	80	2114	450	651	—	1841	087	
	p	81	2102	479	1371	—	1828	090	
	p	82	2107	780	1240	—	1851	091	
	p	83	2100	1121	1160	—	1838	091	
21.2	p	84	2128	288	1429	—	1870	092	
	p	85	2137	391	1582	—	1849	091	
	f	209	2118	618	1500	1483	1878	093	
	f	210	2122	618	1513	1539	1883	093	

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1619	0	—	0	—		
1763	32	—	18	—		
1747	98	—	56	—		
1756	187	—	106	—		
1749	238	—	136	—		
1751	399	—	227	—		
1786	845	—	473	—		
1764	985	—	568	—		
1754	1462	—	834	—		
1709	1472	1445	862	846	8.48, 8.43	
1731	1081	—	625	—	7.67	23 ×
1717	1269	—	738	—	8.04	
1729	1437	1441	832	895	8.37, 8.39	
1740	910	887	523	509	7.32, 7.26	
1749	912	917	523	525	7.33, 7.34	
1744	1009	1000	577	573	7.49, 7.48	
1767	678	649	351	367	6.82, 6.85	
1758	776	782	442	445	7.07, 7.08	
1733	1470	1488	847	856	8.43, 8.46	
1761	1580	1565	850	882	8.44, off curve	
1726	850	822	493	477	7.22, 7.17	
1731	1009	1001	582	578	7.51, 7.49	
1754	564	—	321	—	6.73	1279 v
1738	1281	—	737	—	8.04	f v
1760	1149	—	546	—	7.56	2r ×
1747	1069	—	611	—	7.63	713 v
1778	1337	—	752	—	8.10	8 ×
1758	1491	—	849	—	8.43	
1785	1407	1390	788	778	8.22, 9.18	
1790	1420	1446	792	817	8.25, 8.29	

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1929phae.proj.12680

21 gr - R Ħ 694 - Aug 21, 1929

New Series

Strip	Class	Star	y	x	Dfl	Dfl	Cl	Dk Volts
	f	211	2139	881	1320	1393	1912	094
	f	212	2126	941	1601	1591	1880	098
	p	86	2130	972	1631	—	1883	098
	f	213	2131	1051	1354	1286	1890	099
	f	214	2131	1059	1251	1264	1891	098
	f	215	2130	1151	663	645	1831	096
21.4	f	216	2139	379	1653	1623	1860	100
	f	217	2140	509	466	460	1887	100
	f	218	2148	579	1183	1189	1899	100
	f	219	2150	591	1721	1747	1870	100
	p	87	2153	617	1068	—	1899	100
	f	220	2151	681	1618	1671	1878	101
	f	221	2140	793	1301	1223	1899	101
	f	222	2138	800	1481	1428	1904	102
	f	223	2153	1019	1613	1495	1889	102
	f	224	2141	1117	1498	1460	1888	102
21.6	f	225	2159	352	1441	1401	1861	104
	f	226	2170	399	1610	1591	1847	105
	p	88	2169	419	1033	—	1872	103
	p	89	2170	448	801	—	1878	102
	p	90	2160	451	1148	—	1880	104
	f	227	2164	525	1622	1625	1806	104
	f	228	2160	696	1392	1429	1878	105
	f	229	2162	647	1510	1503	1890	104
	f	236	2163	797	711	710	1869	103
	f	231	2165	820	516	500	1880	103
	p	91	2168	837	1604	—	1882	106
	f	232	2178	888	1369	1378	1888	104
	f	233	2169	971	1620	1510	1887	107
	p	92	2166	1087	1382	—	1844	109

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1929phae.proj.1268c

Cl Dk.	Deff.-Dk.	Deff.-Dk.	Reduced	Reduced	Magn.	L. No.
1818	1226	1239	674	680	7.84, 7.86	
1782	1503	1493	842	887	8.42, 8.39	
1785	1533	—	858	—	8.46	765 v
1791	1255	1187	698	662	7.91, 7.80	
1793	1163	1166	643	647	7.73, 7.74	
1735	567	549	327	317	6.74, 6.71	
1760	1553	1523	882	864	off curve, 8.49	
1787	366	360	204	201	6.36, 6.35	
1799	1083	1089	602	605	7.59, 7.60	
1770	1621	1647	915	928	off curve, off curve	
1794	968	—	538	—	7.37	1171 v
1777	1517	1570	852	882	8.44, off curve	
1798	1200	1122	667	624	7.82, 7.67	
1802	1379	1326	763	734	8.14, 8.05	
1787	1511	1393	845	779	8.43, 8.19	
1786	1396	1358	781	759	8.21, 8.12	
1767	1337	1297	759	738	8.12, 8.06	
1772	1505	1486	847	838	8.43, 8.40	
1769	930	—	526	—	7.33	1251 v
1776	699	—	393	—	6.93	1242 v
1776	1044	—	587	—	7.53	1246 v
1702	1518	1521	890	893	off curve, off curve	
1773	1287	1318	726	743	8.02, 8.07	
1786	1406	1394	788	783	8.23, 8.21	
1766	608	607	345	344	6.76, 6.77	
1777	413	397	283	223	6.47, 6.44	
1776	1498	—	842	—	8.41	2035 x
1784	1359	1274	761	714	8.14, 7.97	
1780	1515	1503	858	844	8.44, 8.42	
1735	1273	—	734	—	8.04	748 v

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1929phae.proj.12680

New Series

21 gr - R 7h 694 - Aug 21, 1929

Strip	Class	Star	y	x	Dfl	Dfl	Cl	Dk	Notes
	f	234	2171	1170	1770	1689	1867	108	
	f	235	2157	1183	1493	1474	1870	105	
21.8	f	236	2190	791	1353	1301	1880	109	
	f	237	2189	502	1700	1660	1858	109	
	p	13	2181	547	1468	—	1869	109	
	p	14	2190	617	1657	—	1867	120	
	f	238	2190	662	1819	1755	1843	111	
	f	239	2190	795	1488	1470	1872	113	
	f	240	2192	859	861	912	1860	112	
	f	241	2189	1283	1640	1650	1839	113	
	f	242	2179	1340	1408	1380	1889	112	
22.0	f	243	2210	449	1461	1452	1811	113	
	f	244	2203	582	1719	1655	1862	116	
	f	245	2200	622	1322	1972	1859	116	
	f	246	2210	720	1172	1150	1878	113	
	f	247	2213	729	1167	1095	1847	114	
	p	15	2210	1111	1579	—	1831	117	
		16	2002	676	117	—	1768	113	
		1	2315	864	148	—	1869	113	
		2	—	—	209	—	1883	112	
		3	—	—	313	—	1877	112	
		4	—	—	351	—	1877	112	
		5	—	—	511	—	1871	112	
		6	—	—	951	—	1909	113	
		7	—	—	1046	—	1871	113	
		8	—	—	1511	—	1882	114	515

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L.Ko
1759	1662	1581	948	912	off curve, off curve	
1765	1388	1869	786	776	8.22, 8.18	
1771	1244	1192	703	674	7.93, 7.84	
1749	1591	1551	911	888	off curve, off curve	
1760	1359	—	792	—	8.17	1139v
1747	1537	—	881	—	off curve	
1732	1708	1644	985	950	off curve, off curve	
1759	1375	1867	783	772	8.22, 8.17	
1748	749	800	429	458	7.02, 7.11	
1726	1527	1537	886	892	off curve, off curve	
1777	1296	1268	729	713	8.02, 7.97	
1698	1348	1339	795	788	8.24, 8.22	
1746	1603	1639	892	881	7.90, off curve	
1743	1206	1256	692	720	7.90, 7.99	
1765	1059	1037	598	587	7.56, 7.52	
1733	1053	981	608	566	7.60, 7.46	
1714	1462	—	863	—	8.44	
1655	04	—	02	—		
1756	35	—	20	—		
1771	97	—	63	—		
1765	201	—	113	—		
1765	239	—	135	—		
1769	399	—	227	—		
1790	838	—	468	—		
1758	933	—	532	—		
1768	1397	—	790	—		

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1929phae.proj.1268C

140 New Series

MRD. QH694 . Aug 21, 1929 Vol 4 5.02

Strip	Class	Star	y	x	Defe	Defe	Cl	Dk
		15	2002	681	120 Field star too close	—	1718	120
		1	2315	872	150	—	1860	120
		2	—	—	215	—	1875	120
		3	—	—	310	—	1860	118
		4	—	—	345	—	1865	118
		5	—	—	518	—	1860	118
		6	—	—	926	—	1880	120
		7	—	—	1000	—	1840	121
		8	—	—	1540	—	1870	120
22.2	f	248	2220	313	585	590	1827	119
	f	249	2220	750	1472	1462	1842	120
	f	250	2235	1018	790	783	1839	120
	f	251	2230	1220	200	205	1850	122
22.4	f	252	2239	520	752	742	1855	123
	f	253	2252	548	1050	1052	1855	123
	f	254	2254	900	1908	1250	1830	127
	f	255	2242	1261	850	845	1831	119
22.6	fp	16	2265	393	970	—	1830	125
	fp	17	2267	495	1280	—	1827	123
	f	256	2262	562	280	260	1810	124
	fp	18	2270	620	1030	—	1830	128
	f	257	2267	653	1240	1175	1821	126
	f	258	2270	1253	590	570	1850	128
		15	2002	681	128	—	1780	120
		1	2315	872	160	—	1845	124
		2	—	—	220	—	1835	124
		3	—	—	320	—	1860	127
		4	—	—	340	—	1835	120
		5	—	—	510	—	1830	120
		6	—	—	885	—	1865	124
		7	—	—	1010	—	1840	127
		8	—	—	1495	—	1860	127

note: 1 scale 1 defe scale 2 difficult to read

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1929phae.proj.12008

Q.-Dk.	Defl.-Dk.	Diff.-Dk.	Reduced	Reduced	Mags.	L. No.
1598	0	—	0	—		
1740	30	—	17	—		
1755	95	—	54	—		
1742	192	—	110	—		
1747	227	—	130	—		
1742	400	—	229	—		
1760	805	—	458	—		
1719	879	—	511	—		
1750	1420	—	811	—		
1708	486	471	273	276	6.60, 6.61	
1722	1352	1342	785	779	8.25, 8.23	
1719	670	663	390	386	6.98, 6.96	
1728	78	83	46	48	5.02, 5.09	
1732	629	619	363	357	6.90, 6.87	
1732	927	929	535	536	7.45, 7.46	
1703	1181	1123	694	660	7.85, 7.85	
1712	731	726	427	424	7.10, 7.09	
1705	845	—	495	—	7.32	1208x
1704	1077	—	632	—	7.75	1166r
1686	156	136	93	81	5.63, 5.54	
1702	902	—	530	—	7.43	1109r
1695	1114	1049	658	618	7.85, 7.72	
1722	462	442	268	256	6.08, 6.54	
1660	08	—	05	—		
1721	36	—	21	—		
1711	96	—	56	—		
1738	193	—	112	—		
1715	220	—	128	—		
1716	390	—	228	—		
1741	761	—	437	—		
1713	883	—	515	—		

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1929phae.proj,1268C

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New Series

trip	Class	Star	y	x	Defl	Defl	Cl	Obs
		1S	2002	642	050	—	1890	049
		1	2315	832	083	—	1938	053
		2	—	—	170	—	1935	052
		3	—	—	255	—	1965	052
		4	—	—	310	—	1968	053
		5	—	—	510	—	1965	053
		6	—	—	940	—	1969	060
		7	—	—	1030	—	1983	065
		8	—	—	1678	—	1980	069
22.8	p	99	2279	240	1295	—	1930	068
	f	259	2291	262	1155	1135	1920	066
	f	260	2292	891	1610	1600	1965	069
	f	261	2280	1079	940	900	1965	070
23.0	p	100	2310	270	400	—	1940	069
	f	262	2310	526	983	995	1970	071
	f	263	2300	980	530	520	1940	070
	fe	101	2297	1048	875	—	1980	072
	f	264	2307	1049	1554	1568	1962	069
	fe	102	2300	1095	1365	—	1960	070
	f	265	2310	1130	770	792	1960	078
	4	266	2300	1178	1315	1346	1970	080
		1S	2002	642	078	—	1848	078
		1	2315	832	115	—	1948	080
		2	—	—	175	—	1975	079
		3	—	—	280	—	1963	080
		4	—	—	318	—	1960	080
		5	—	—	520	—	1950	080
		6	—	—	910	—	1989	080
		7	—	—	1085	—	1944	080
		8	—	—	1585	—	1958	082

Cowin Bk 67 P. 122

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1929phae.proj.12680

Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.
1841	01	—	01	—		
1885	30	—	16	—		
1883	118	—	63	—		
1913	203	—	106	—		
1915	257	—	134	—		
1912	459	—	289	—		
1909	880	—	462	—		
1918	965	—	503	—		
1911	1609	—	840	—		
1862	1227	—	658	—	7.85	
1854	1089	1069	586	575	7.57, 7.54	
1896	1541	1531	813	807	8.31, 8.27	
1895	870	830	459	437	7.17, 7.10	
1871	321	—	172	—	6.20	1214x
1899	912	924	480	486	7.23, 7.25	
1870	460	460	246	241	6.49, 6.47	
1908	803	—	422	—	7.09	805v
1893	1485	1499	783	790	8.22, 8.24	
1890	1295	—	685	—	7.93	791x
1882	692	714	367	379	6.87, 6.91	
1890	1235	1266	653	669	7.80, 7.84	
1770	0	—	0	—		
1868	35	—	19	—		
1896	96	—	51	—		
1883	200	—	106	—		
1880	238	—	126	—		
1870	440	—	235	—		
1909	830	—	435	—		
1864	1005	—	538	—		
1876	1503	—	801	—		

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1929phae.proj.12680

Con from Bk 67, P 138
Dyp - R.H 695 - Aug 26, 1929

New Series

Strip	Class	Star	y	x	Dyff	Dxff	ce	dk	Volts
		1s	2012	683	100	—	1662	081	505
No. 9 of		1	2320	880	140	—	1742	081	
sequence		2	—	—	388	—	1731	081	
not		3	—	—	429	—	1743	080	
seen		4	—	—	398	—	1763	081	
		5	—	—	604	—	1749	082	
		6	—	—	882	—	1770	082	
		7	—	—	980	—	1793	082	
		8	—	—	1517	—	1770	083	
17.2	p	42	1723	295	1620	—	1748	083	
		74	1730	339	769	789	1760	083	
		75	1727	389	1581	1509	1752	085	
		76	1730	404	1680	1695	1743	088	
		77	1730	420	1293	1230	1750	088	
	p	43	1729	489	850	—	1738	087	
		44	1731	591	1300	—	1770	087	
		78	1728	720	1253	1184	1770	084	
		45	1732	720	1230	—	1772	086	
		79	1720	890	1621	1610	1800	090	
		80	1737	1169	1192	1148	1796	088	
		81	1723	1173	1088	1071	1787	089	
		82	1721	1177	1141	1140	1779	089	
		83	1731	1313	150	173	1771	088	
17.4		84	1750	454	1040	1041	1751	089	
		85	1752	899	553	551	1792	089	
		86	1741	952	1159	1137	1800	090	
17.6		87	1760	231	1532	1522	1745	093	
		88	1769	249	1511	1552	1748	093	
		89	1758	282	1291	1282	1748	093	
		46	1760	319	770	764	1750	091	

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1929phae.proj.12680

U.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1581	19	—	12	—		
1661	59	—	35	—		
1650	207	—	125	—		
1663	349	—	209	—		
1682	317	—	188	—		
1667	522	—	314	—		
1688	800	—	474	—		
1711	898	—	533	—		
1687	1434	—	850	—		
1665	1547	—	928	—	off curve	
1677	686	706	409	422	6.84, 6.91	
1667	1496	1424	897	855	off curve, 8.36	
1655	1592	1547	962	934	off curve, off curve	
1662	1205	1142	726	687	7.93, 7.79	
1651	763	—	462	—	7.09	240 v
1683	1213	—	720	—	7.97	274 x
1686	1169	1100	692	653	7.81, 7.68	
1686	1144	—	677	—	7.84	338 v
1710	1531	1520	896	887	off curve, off curve	
1708	1104	1060	646	621	7.15, 7.57	
1698	999	982	589	578	7.46, 7.43	
1690	1052	1051	624	623	7.57, 7.56	
1683	62	85	37	51	4.59, 4.59	
1662	951	952	573	572	7.42, 7.41	
1703	464	462	272	271	6.21, 6.20	
1710	1069	1047	625	612	7.58, 7.54	
1652	1439	1429	865	859	8.41, 8.37	
1655	1418	1459	856	880	8.36, off curve	
1655	1178	1189	712	718	7.88, 7.89	
1659	674	673	418	406	6.85, 6.83	

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1929phae.proj.12680

146 New Series

2 gp – R Hb95 – Aug 26, 1929

Strip	Class	Star	y	x	Defl	Defl	cl.	dk	Notes
	p	46	1768	367	678	—	1768	092	
		91	1763	412	1203	1140	1750	092	
	p	47	1767	780	671	—	1791	092	
	p	48	1775	1027	1480	—	1781	097	
	p	49	1761	1088	1610	—	1789	100	
17.8		92	1793	319	1503	1504	1760	100	
		93	1795	360	743	732	1740	094	
		94	1779	381	1268	1160	1758	100	
		95	1788	449	847	806	1751	099	
		96	1791	538	1450	1488	1752	100	
		97	1790	541	1551	1557	1732	100	
		98	1780	748	1041	1051	1769	100	
		99	1789	903	1502	1521	1788	102	
		100	1785	938	1480	1443	1793	104	
		101	1787	1028	1357	1372	1800	108	
		102	1790	1190	1765	1643	1789	105	
		103	1797	1249	1443	1417	1787	108	
		104	1790	1263	1601	1569	1801	109	
		105	1783	1300	1292	1420	1798	108	
18.0		106	1809	263	1590	1557	1751	108	
		107	1805	307	1503	1557	1745	110	
		108	1804	310	380	364	1619	105	
		109	1802	540	1521	1519	1757	109	
		110	1807	1113	1297	1289	1774	109	
18.2		111	1830	518	1170	1167	1763	113	
		112	1824	783	518	520	1759	116	
		113	1820	806	123	140	1700	110	
	p	50	1815	930	1492	—	1788	112	
	p	51	1830	1099	1521	—	1787	112	
		114	1820	1103	1589	1526	1792	115	

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1929phae.proj.1268c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1676	686	—	350	—	6.57	183 x
1658	1111	1048	671	632	7.73, 7.61	
1699	679	—	341	—	6.54	376 v
1684	1383	—	822	—	8.30	
1689	1510	—	895	—	8.54	
1660	1403	1404	845	846	8.33, 8.34	
1646	649	638	394	388	6.76, 6.73	
1658	1768	1060	705	639	7.85, 7.62	
1652	748	707	452	368	7.00,	
1662	1350	1388	817	839	8.23, 8.30	
1632	1451	1457	889	892	off curve, off curve	
1669	941	951	574	570	7.38, 7.40	
1686	1400	1419	831	841	8.28, 8.32	
1689	1376	1339	815	792	8.23, 8.14	
1692	1249	1264	738	747	7.96, 7.99	
1684	1660	1538	985	911	off curve, off curve	
1679	1335	1309	797	780	8.16, 8.10	
1692	1492	1460	881	863	off curve, 8.38	
1690	1184	1312	702	777	7.84, 8.08	
1743	1482	1449	867	832	off curve, 8.28	
1635	1393	1447	852	884	8.35, off curve	
1514	275	259	181	171	5.72, 5.66	
1648	1412	1480	857	856	8.36, 8.35	
1665	1188	1180	713	709	7.88, 7.86	
1650	1057	1054	640	638	7.63, 7.62	
1643	462	404	244	246	6.05, 6.06	
1590	13	30	08	19	off curve, off curve	
1676	1380	—	824	—	8.31	496 x
1685	1409	—	840	—	8.35	
1677	1475	1411	880	842	off curve, 8.31	

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1929phae.proj.1268C

Zpp - RH695 - Aug 26, 1929

New Series

Strip	Class	Star	y	x	Dyfl	Dyfl	CL	Dk	Wts
	I	115	1826	1112	1441	1372	1791	113	
	P	52	1895	1189	1385	—	1826	113	
	I	116	1832	1258	1220	1211	1791	113	
	I	117	1830	1271	1639	1675	1808	118	
18.4	P	53	1850	197	1441	—	1691	116	
	I	118	1851	229	1497	1494	1731	113	
	I	119	1840	348	1448	1392	1740	118	
	I	120	1848	417	1412	1430	1759	118	
	P	54	1853	413	1593	—	1762	120	
	I	121	1850	493	1573	1568	1750	117	
	I	122	1840	608	1380	1361	1781	120	
	I	123	1855	948	1243	1250	1806	119	
	P	55	1841	1098	1107	—	1800	120	
	I	124	1853	1289	949	857	1811	119	
18.6	I	125	1870	369	1102	1091	1730	119	
	I	126	1859	449	1082	1121	1742	119	
	I	127	1870	460	1407	1401	1754	120	
	I	128	1860	600	301	303	1748	115	
	I	129	1862	703	1190	1160	1763	118	
	I	130	1862	712	1467	1541	1773	118	
	I	131	1867	1165	182	183	1790	117	
18.8	I	132	1890	259	1560	1550	1733	122	
	I	133	1890	300	1093	1038	1721	120	
	I	134	1879	340	1280	1271	1738	122	
	P	56	1880	397	1261	—	1749	121	
	I	135	1890	408	1221	1210	1730	121	
	I	136	1889	453	1080	1072	1742	120	
	I	137	1889	640	1253	1253	1750	121	
	I	138	1888	800	818	811	1751	120	
	I	139	1891	809	1562	1543	1778	122	

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1929phae.proj.1268

Cl.-Dk.	Defl.-Dk.	Refl.-Dk.	Reduced	Reduced	Magn.	hk6
1675	1328	1269	792	751	8.14, 8.02	
1713	1272	—	744	—	8.05	583v
1678	1107	1098	660	655	7.70, 7.67	
1690	1521	1057	901	922	offcurve, offcurve	
1575	1325	—	842	—	8.36	
1618	1384	1381	867	855	8.36, 8.35	
1622	1330	1274	821	787	8.24, 8.13	
1641	1294	1312	788	800	8.12, 8.17	
1642	1473	—	896	—	8.53	
1633	1406	1451	893	889	offcurve, offcurve	
1661	1260	1241	759	748	8.03, 800	
1687	1124	1131	667	671	7.73, 7.74	
1686	987	—	587	—	7.87	570v
1692	830	738	491	436	7.13, 6.94	
1611	983	972	610	604	7.54, 7.52	
1623	963	1002	595	619	7.48, 7.56	
1634	1287	1281	786	783	8.13, 8.11	
1633	186	188	114	116	5:24, 5:25	
1645	1072	1042	652	634	7.67, 7.62	
1655	1349	1423	815	861	8.23, 8.37	
1673	65	66	39	39	4.38, 4.38	
1611	1438	1428	893	886	offcurve, offcurve	
1601	973	918	608	573	7.53, 7.42	
1616	1178	1149	730	711	7.94, 7.87	
1628	1140	—	701	—	7.92	
1609	1100	1089	684	676	7.77, 7.75	
1622	960	952	592	586	7.48, 7.44	
1629	1132	1132	696	696	7.82, 7.82	
1631	698	691	428	423	6.96, 6.85	
1656	1440	1421	868	857	offcurve, 8.37	

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1929phae.proj.12681

150 New Series

Dyp RH 695 - Aug 26, 1929

Type	Class	Star	y	x	Diff	Diff	Cl.	Dk	Patch
		140	1879	953	1549	1472	1778	123	
		141	1879	1009	1521	1562	1779	124	
		142	1880	1076	1108	1067	1781	122	
		57	1878	1116	1228	—	1768	122	
		143	1894	1260	1143	1058	1760	121	
		144	1875	1393	1402	1540	1777	123	
		1A	2012	683	149	—	1617	123	
		1	2320	880	197	—	1728	121	
		2	—	—	329	—	1720	120	
		3	—	—	517	—	1718	121	
		4	—	—	720	—	1733	120	
		5	—	—	678	—	1720	120	
		6	—	—	910	—	1759	120	
		7	—	—	1001	—	1770	121	
		8	—	—	1449	—	1748	120	000

Dyp-RH 695 - Aug 27, 1929

525

		1A	2012	647	030	—	1632	022	
		1	2320	841	068	—	1719	023	
		2	—	—	159	—	1741	027	
		3	—	—	289	—	1730	023	
		4	—	—	284	—	1730	022	
		5	—	—	493	—	1732	024	
		6	—	—	791	—	1760	027	
		7	—	—	911	—	1780	028	
		8	—	—	1443	—	1760	029	
19.0		145	1911	211	953	930	1723	029	
		146	1909	219	1422	1420	1722	028	
		147	1904	222	1431	1440	1729	031	
		148	1909	343	735	710	1747	031	

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1929phae.proj.1268c

Cl.-Ob.	Defl.-Ob.	Defl.-Ob.	Reduced	Reduced	Magn.	L.Ko.
1655	1426	1349	862	815	8.38, 8.23	
1665	1397	1438	844	868	8.32, off curve	
1659	986	945	595	572	7.48, 7.41	
1646	1106	—	673	—	7.83	587
1639	1028	937	625	573	7.57, 7.02	
1654	1279	1417	772	856	8.08, 8.36	
1554	26	—	17	—		
1607	76	—	47	—		
1600	209	—	131	—		
1597	396	—	248	—		
1613	310	—	192	—		
1600	638	—	350	—		
1639	790	—	483	—		
1649	880	—	534	—		
1628	1329	—	816	—		
1610	08	—	05	—		
1696	46	—	27	—		
1714	132	—	77	—		
1707	266	—	156	—		
1708	265	—	155	—		
1708	469	—	274	—		
1733	764	—	442	—		
1752	883	—	504	—		
1731	1414	—	817	—		
1694	924	901	546	532	7.42, 7.36	
1694	1394	1392	823	822	8.36, 8.35	
1698	1400	1409	825	830	8.36, 8.39	
1716	704	679	411	390	6.95, 6.86	

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1929phae.proj.126MC

152 new series

Zigp – RH 695 – Aug 27, 1929

Strip	Class	Star	y	x	Dyll	Dyll	Cl.	Dk	Volts
	P	58	1909	469	1342	—	1755	032	
		149	1910	530	1596	1578	1759	032	
		156	1907	546	1619	1607	1778	041	
		151	1901	702	1520	1570	1771	041	
		152	1911	968	1540	1619	1779	041	
		153	1903	1005	1503	1447	1781	041	
		154	1913	1309	1508	1430	1799	040	
19.2		155	1930	171	605	658	1720	042	
	P	57	1930	238	1552	—	1725	042	
		156	1920	254	1560	1554	1742	043	
		157	1919	285	1230	1260	1729	048	
		158	1931	332	1513	1592	1731	049	
	P	60	1921	334	1262	—	1743	048	
		159	1920	430	1203	1210	1760	045	
		160	1922	652	1031	1062	1768	048	
		161	1921	998	1471	1390	1803	049	
		162	1933	1096	1482	1480	1807	050	
	P	61	1920	1099	662	—	1799	049	
	P	62	1913	1300	1540	—	1780	050	
19.4		163	1940	193	1558	1643	1721	050	
		164	1948	220	1561	1559	1707	051	
		165	1950	225	1599	1599	1706	051	
		166	1950	231	1348	1335	1720	050	
		167	1945	244	1305	1323	1712	051	
		168	1940	271	1528	1505	1679	052	
		169	1940	470	181	189	1749	048	
		170	1950	560	1400	1240	1737	051	
		171	1953	749	1531	1519	1772	052	
		172	1950	769	1385	1374	1802	051	
	P	63	1952	970	1193	—	1738	051	

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1929phae.proj.12685

C. - Dk.	Defl - Dk.	Defl - Dk.	Reduced	Reduced	Magn.	L. No.
1723	1310	—	759	—	8.13	h
1727	1564	1546	907	894	off curve, off curve	
1737	1578	1566	908	902	off curve, off curve	
1730	1479	1529	855	882	off 8.48, off curve	
1738	1499	1578	862	907	8.51, off curve	
1740	1462	1406	840	808	8.43, 8.30	
1759	1468	1390	835	791	8.40, 8.25	
1678	563	616	336	367	6.67, 6.78	
1683	1510	—	897	—	off curve	
1699	1517	1511	893	890	off curve, off curve	
1681	1182	1212	703	720	7.96, 8.02	
1682	1464	1543	872	917	off curve, off curve	
1695	1214	—	716	—	8.00	118
1715	1158	1165	675	678	7.85, 7.86	
1720	983	1014	572	592	7.51, 7.57	
1754	1422	1341	810	765	8.32, 8.16	
1757	1432	1430	815	813	8.34, 8.33	
1750	613	—	357	—	6.75	606
1730	1490	—	863	—	8.52	
1671	1508	1593	903	953	off curve, off curve	
1656	1570	1508	971	970	off curve, off curve	
1665	1548	1548	935	935	off curve, off curve	
1670	1298	1285	776	769	8.20, 8.17	
1661	1254	1272	755	766	8.13, 8.16	
1627	1476	1453	907	893	off curve, off curve	
1701	133	141	78	83	5.20, 5.26	
1686	1349	1189	800	705	8.28, 7.95	
1720	1479	1467	861	852	8.51, 8.56	
1751	1334	1323	762	758	8.15, 8.13	
1701	1136	—	667	—	7.82	601

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1929phae.proj.12680

ZgP - RH 695 - Aug 27, 1929

New Series

Strip	Class	Star	y	x	Dfl	Dfl	Cl	Dk	Volts
	L	173	1950	1222	1308	1251	1838	059	
19.6	L	174	1961	257	1491	1482	1779	058	
	P	64	1961	277	1412	—	1802	057	
	L	175	1970	903	1580	1561	1792	060	
	L	176	1973	381	1460	1441	1819	060	
	P	65	1972	436	1498	—	1786	060	
	L	177	1978	447	901	890	1821	060	
	L	178	1960	482	1310	1343	1803	060	
	L	179	1971	872	1664	1637	1849	061	
	P	66	1960	1027	621	—	1833	060	
	P	67	1975	1095	993	—	1840	061	
	L	180	1972	1170	427	420	1860	058	
	P	68	1958	1288	1297	—	1868	060	
	L	181	1970	1292	1045	1053	1868	060	
	L	182	1963	1323	1241	1202	1840	059	
	L	183	1960	1373	1281	1320	1860	060	
19.8	L	184	1998	308	1361	1340	1872	059	
	P	69	1989	579	1508	—	1891	061	
	L	185	1982	707	1152	1137	1902	061	
	L	186	1989	747	872	872	1873	062	
	L	187	1994	749	903	860	1859	060	
	P	70	1988	912	561	—	1871	060	
	L	188	1978	1057	1699	1713	1884	063	
	L	189	1980	1200	541	532	1903	061	
	P	71	1980	1310	160	—	1929	061	
	L	190	1980	1369	1280	1301	1918	063	
		10	2012	647	070	—	1842	060	
		1	2370	841	109	—	1887	060	
		2	—	—	213	—	1879	061	
		3	—	—	362	—	1871	060	

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1929phae.proj.12686

Cl.-Dk.	Defl. Dk.	Defl. Dk	Reduced	Reduced	Magn.	L. No.
1779	1249	1292	702	727	7.95, 8.04	
1721	1433	1424	884	827	6.40, 8.37	
1745	1355	—	777	—	8.20	90 x
1732	1520	1501	876	866	off curve, off curve	
1759	1400	1381	797	786	8.27, 8.23	
1726	1438	—	832	—	8.40	
1761	841	830	478	472	7.17, 7.15	
1743	1256	1283	718	737	8.00, 8.06	
1788	1603	1576	337	322	6.68, 6.64	
1773	561	—	317	—	6.62	625 v
1779	932	—	524	—	7.34	642 v
1802	369	362	205	201	6.15, 6.13	
1808	1237	—	684	—	7.88	647 x
1808	985	993	545	549	7.41, 7.43	
1781	1182	1143	664	642	7.81, 7.74	
1800	1221	1260	679	700	7.86, 7.95	
1813	1302	1281	719	707	8.00, 7.96	
1830	1447	—	792	—	8.25	105 v
1841	1091	1076	593	583	7.57, 7.53	
1811	810	810	448	448	7.07, 7.07	
1799	843	800	468	445	7.12, 7.06	
1811	501	—	277	—	6.47	627 v
1821	1636	1650	898	906	off curve, off curve	
1842	480	471	260	256	6.41, 6.38	
1868	99	—	53	—	4.85	660 x
1855	1217	1238	656	666	7.78, 7.81	
1782	10	—	06	—		
1827	49	—	27	—		
1818	152	—	84	—		
1811	302		167	—		

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1929phae.proj.1268C

3 Jgp - RH 695 - Aug 27, 1929

New Series

Strip	Class	Star	y	x	Dyl	Dyl	Cl.	Clk	Notes
		4	—	—	342	—	1905	061	
		5	—	—	571	—	1872	061	
		6	—	—	932	—	1920	061	
		7	—	—	1008	—	1928	062	
		8	—	—	1542	—	1912	061	520
			3 Jgp - RH 695 - Aug 28, 1929						
		10	2012	689	131	—	1887	094	520
		1	2320	883	192	—	1938	099	
		2	—	—	369	—	1932	100	
		3	—	—	579	—	1912	101	
		4	—	—	470	—	1936	102	
		5	—	—	437	—	1908	101	
		6	—	—	1030	—	1949	104	
		7	—	—	1171	—	1967	104	
		8	—	—	1653	—	1933	109	
20.0		191	2003	429	1628	1629	1910	110	
		192	2011	670	499	482	1939	109	
		193	2003	778	1519	1384	1940	110	
		194	2001	850	1749	1758	1932	111	
		195	2006	1110	1833	1771	1952	112	
		72	2011	1129	1528	—	1920	112	
		196	2002	1343	1441	1408	1910	113	
20.2		197	2020	200	1443	1352	1890	112	
		198	2020	287	1548	1495	1914	112	
		199	2030	290	925	890	1890	111	
		200	2015	351	1590	1570	1882	113	
		201	2030	392	1599	1589	1909	112	
		202	2020	451	1563	1596	1928	116	
		73	2030	490	1100	—	1909	113	
		203	2020	640	1368	1293	1938	113	

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1929phae.proj.12686

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	2. Ko.
1844	281	—	103	—		
1811	510	—	282	—		
1859	871	—	470	—		
1866	946	—	508	—		
1851	1481	—	800	—		
1793	37		21	—		
1839	93		61	—		
1832	269		147	—		
1811	448		247	—		
1834	368		201	—		
1807	636		352	—		
1845	926		503	—		
1863	1067		573	—		
1824	1644	—	847	—		
1806	1518	1519	842	842	8.33, 8.33	
1830	391	373	213	204	5.77, 5.73	
1830	1409	1274	770	698	8.04, 7.77	
1821	1638	1647	898	903	8.49, off curve	
1840	1721	1659	935	900	off curve, off curve	
1808	1416	—	783	—	8.09	664x
1797	1328	1295	738	721	7.91, 7.87	
1778	1331	1240	748	697	8.13, 7.77	
1802	1436	1383	797	767	8.13, 8.02	
1779	814	779	457	437	6.89, 6.82	
1769	1471	1457	836	825	8.28, 8.25	
1797	1487	1477	828	823	8.25, 8.24	
1812	1447	1480	798	816	8.14, 8.22	
1796	987	—	551	—	7.23	62r
1825	1255	1180	688	647	7.73, 7.57	

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1929phae.proj.1268C

Zyp – RH 695 – Aug 28, 1929

New Series

Step	Class	Star	y	x	Dyy	Dxx	U	Dk	Volts
	f	204	2020	682	1299	1232	1931	113	
	f	205	2030	829	1813	1873	1931	112	
	f	206	2029	969	1235	1271	1942	115	
	f	207	2030	1256	1771	1780	1950	120	
	f	208	2022	1392	1482	1437	1959	119	
20.4	f	209	2050	198	254	266	1831	114	
	p	74	2052	257	920	—	1879	112	
	f	210	2047	377	989	983	1888	113	
	f	211	2041	381	1361	1341	1888	117	
	p	75	2040	409	463	—	1891	113	
	f	212	2040	430	1409	1348	1882	116	
	p	76	2042	700	1774	—	1919	120	
	f	213	2049	879	1808	1794	1919	120	
	p	77	2043	1068	1700	—	1924	121	
	f	78	2047	1232	1302	—	1888	120	
	f	214	2050	1258	1611	1729	1950	122	
	p	79	2053	1311	1405	—	1949	120	
20.6	f	215	2070	229	717	777	1863	120	
	p	80	2069	337	1659	—	1883	120	
	f	216	2068	477	1251	1231	1824	120	
	f	217	2069	510	1793	1817	1884	123	
	f	218	2070	559	1427	1362	1890	129	
	f	219	2059	889	491	471	1919	121	
	f	220	2062	941	1334	1382	1901	123	
	p	81	2068	1185	1580	—	1914	123	
	f	221	2068	1343	1721	1691	1921	127	
	p	82	2072	1365	1422	—	1889	128	
20.8	f	222	2090	283	1660	1653	1886	124	
	p	83	2090	387	1622	—	1883	128	
	p	84	2090	419	1700	—	1857	124	

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1929pnae.proj.12686

Q - Dk.	Dfl. Dk.	Dafl. - Dk	Reduced	Reduced	Magn	L. Ko.
1818	1186	1119	653	616	7.61, 7.46	
1819	1701	1761	936	968	off curve, off curve	
1827	1120	1156	613	633	7.46, 7.48	
1836	1651	1660	903	907	off curve, off curve	
1840	1363	1318	742	716	7.93, 7.84	
1717	146	152	82	89	4.80, 4.86	
1767	808	—	457	—	6.89	51 x
1775	876	870	493	491	7.02, 7.01	
1771	1244	1224	703	692	7.79, 7.75	
1778	360	—	197	—	567	56 v
1766	1293	1232	732	698	7.90, 7.77	
1799	1654	—	921	—	off curve	
1799	1688	1674	937	932	off curve, off curve	
1803	1579	—	875	—	8.43	
1765	1182	—	670	—	7.67	679 v
1828	1489	1607	815	879	8.22, 8.44	
1829	1285	—	705	—	7.80	681 x
1743	597	657	343	377	6.48, 6.69	
1763	1539	—	871	—	8.42	
1704	1131	1111	664	652	7.65, 7.60	
1761	1670	1694	947	962	off curve, off curve	
1767	1304	1239	738	701	7.92, 7.79	
1798	370	350	206	195	5.73, 5.66	
1778	1211	1259	682	707	7.73, 7.81	
1791	1457	—	813	—	8.21	688 v
1794	1594	1564	888	872	8.47, 8.43	
1761	1294	—	735	—	7.91	683 x
1756	1536	1529	873	870	8.43, 8.42	
1755	1494	—	852	—	8.35	9 x
1733	1576	—	968	—	off curve	

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1929phae.proj.12680

Zgp RH 695 – Aug 28, 1929

New Series

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Notes
	f	223	2091	651	1638	1630	1899	122	
	f	224	2080	710	1420	1408	1892	126	
	f	225	2090	809	1670	1776	1898	130	
	f	226	2090	1307	1310	1362	1935	129	
21.0	f	227	2109	217	1689	1690	1872	129	
	f	228	2111	239	1069	1152	1811	126	
	p	85	2109	269	1288	—	1860	126	
	p	86	2102	273	1461	—	1863	128	
	p	87	2102	275	1454	—	1857	127	
	f	229	2110	590	1240	1292	1879	128	
	f	230	2108	668	1252	1269	1903	128	
	f	231	2104	954	1251	1952	1906	128	
	f	232	2100	1034	948	983	1891	122	
	f	233	2105	1101	1097	1136	1901	125	
	f	234	2103	1137	1741	1758	1913	129	
	p	88	2101	1137	1290	—	1891	129	
	f	235	2098	1302	1705	1663	1936	131	
21.2	f	236	2122	270	1282	1340	1840	130	
	p	89	2130	463	948	—	1849	129	
	p	90	2118	492	1499	—	1863	130	
	f	237	2132	629	1648	1670	1893	130	
	f	91	2114	796	1421	—	1911	130	
	p	92	2137	989	1600	—	1901	133	
	f	238	2128	1079	1817	1800	1908	132	
	f	239	2130	1191	1803	1782	1917	133	
21.4	p	93	2147	301	1378	—	1840	130	
	p	94	2153	349	1628	—	1850	130	
	f	240	2150	360	1691	1721	1869	132	
	f	241	2150	387	1641	1660	1873	133	
	f	242	2158	518	718	751	1880	191	
	f								

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1929phae.proj.12686

Cl-Dk	Defl-Dk	Defl-Dk.	Reduced	Reduced	Magn	L. No
1777	1516	1508	853	849	8.85, 8.36	
1766	1294	1282	733	727	7.91, 7.87	
1768	1540	1646	872	931	8.43, off curve	
1806	1181	1233	654	684	7.61, 7.73	
1743	1560	1501	894	861	8.49, 8.38	
1685	943	1026	560	608	7.26, 7.44	
1734	1162	—	671	—	7.68	
1735	1333	—	768	—	8.03	
1730	1327	—	766	—	8.03	
1751	1112	1104	636	631	7.54, 7.52	
1775	1124	1141	634	644	7.53, 7.57	
1778	1123	1224	632	689	7.53, 7.74	
1769	826	861	468	488	6.98, 6.99	
1776	972	1011	547	570	7.23, 7.30	
1784	1612	1625	904	912	off curve, off curve	
1762	1161	—	660	—	7.63	713 v
1805	1574	1532	872	850	8.43, 8.34	
1710	1152	1210	675	708	7.68, 7.81	
1720	814	—	473	—	6.95	1279 v
1733	1369	—	790	—	8.11	f v
1763	1518	1540	862	874	8.39, 8.44	
1781	1291	—	725	—	7.87	2r x
1768	1467	—	830	—	8.26	765 v
1776	1685	1668	948	938	off curve, off curve	
1784	1670	1649	936	923	off curve, off curve	
1710	1248	—	730	—	7.88	8
1720	1498	—	871	—	8.43	
1737	1559	1589	896	914	8.49, off curve	
1740	1508	1527	866	876	8.40, 8.44	
1749	587	620	336	355	6.45, 6.56	

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1929phae.proj.1268C

 New Series

D/P — R.A. 6h 5m — Aug 28, 1929

Strip	Class	Star	N	S	Diff	Diff	Cl	Dk	Date
		243	2140	627	1622	1593	1890	132	
		244	2155	810	1590	1618	1891	133	
		245	2146	949	1690	1698	1900	134	
		246	2153	1060	1470	1447	1880	137	
		247	2153	1067	1422	1444	1905	139	
		248	2150	1160	843	936	1930	132	
		249	2150	1161	1701	1731	1890	133	
		1A	2012	689	158	—	1808	130	
		1	2320	883	211	—	1889	130	
		2	—	—	351	—	1888	130	
		3	—	—	560	—	1867	130	
		4	—	—	491	—	1890	130	
		5	—	—	709	—	1872	131	
		6	—	—	1080	—	1910	131	
		7	—	—	1169	—	1920	131	
		8	—	—	1617	—	1899	131	505

Con in Bk 67, P. 140

Con. from Bk 67 P. 146

D/P R.A. 6h 5m - Aug. 30, 1929

1A	2012	673	082	—	1707	069	510
1	2320	870	138	—	1722	063	
2	—	—	267	—	1740	064	
3	—	—	441	—	1721	067	
4	—	—	379	—	1745	067	
5	—	—	589	—	1723	068	
6	—	—	872	—	1753	068	
7	—	—	1000	—	1778	069	
8	—	—	1520	—	1751	069	
23.2p	120	2331	320	479	—	1709	069
p	124	2319	350	1330	—	1701	070

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1929phae.proj.1268c

Cl.-Dk.	Defl-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	L. No.
1758	1490	1461	847	832	8.33, 8.27	
1758	1457	1485	829	844	8.25, 8.33	
1766	1556	1564	881	886	8.45, 8.46	
1743	1333	1310	765	752	8.03, 7.98	
1772	1289	1311	727	741	7.87, 7.99	
1798	711	804	354	447	6.83, 6.86	
1757	1568	1598	892	909	8.48, off curve	
1678	28	—	17	—		
1769	81	—	46	—		
1758	221	—	126	—		
1737	430	—	247			
1760	361	—	205			
1741	578	—	332			
1779	949	—	534			
1789	1038	—	581			
1768	1486		842			
1638	13	—	08	—		
1659	75	—	45	—		
1676	202	—	121	—		
1654	374	—	226	—		
1678	312	—	186	—		
1655	521	—	314	—		
1685	804	—	476	—		
1709	931	—	546	—		
1682	1451	—	861	—		
1640	410	—	250	—	6.17	1214?
1631	1260	—	773	—	8.05	1201

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1929phae.proj.1268

Ngp - RA 695 - Aug 30, 1929

New Series

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Dots
		299	2328	552	1068	1140	1728	072	
	p	122	2329	812	1399	—	1745	073	
		300	2320	1009	559	617	1752	072	
		301	2328	1073	1498	1500	1753	075	
		302	2330	1079	370	388	1779	072	
		303	2327	1108	1693	1570	1745	078	
		304	2328	1116	1572	1555	1779	078	
		305	2330	1135	1612	1571	1769	080	
		306	2330	1153	789	773	1761	078	
		307	2321	1202	1289	1309	1739	080	
	p	123	2332	1220	1472	—	1743	080	
23.4		308	2340	342	553	590	1711	079	
	p	124	2340	402	1358	—	1695	080	
		309	2353	813	1063	1010	1721	080	
		310	2357	1108	303	311	1749	080	
		311	2353	1128	961	977	1758	081	
	p	125	2348	1129	1511	—	1736	081	
		312	2354	1230	1622	1608	1760	083	
		313	2350	1232	1247	1223	1752	083	
23.6		314	2372	770	1108	1131	1719	085	
		315	2377	1114	1103	1083	1757	087	
		316	2370	1143	1563	1591	1749	088	
23.8		317	2380	360	1230	1203	1700	088	
	p	126	2387	375	1062	—	1668	086	
	p	127	2380	580	1555	—	1718	087	
		318	2390	893	1541	1513	1739	089	
		319	2385	972	1504	1500	1758	090	
		320	2393	972	1411	1470	1728	090	
		321	2382	973	1468	1511	1779	090	
		322	2392	1020	1448	1460	1740	090	

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1929phae.proj.12686

Cl-Dk	Deff. Dk.	Deff. Dk	Reduced	Reduced	Magn.	L. Ko.
1656	986	1068	597	646	7.53, 7.67	
1672	1326	—	793	—	8.12	948
1780	487	545	274	306	6.27, 6.43	
1678	1423	1425	848	850	8.28, 8.30	
1707	298	316	174	185	5.77, 5.82	
1667	1615	1492	970	896	off curve, 7.79	
1701	1494	1477	878	867	8.37, 8.35	
1689	1532	1491	907	884	off curve, 8.40	
1683	711	695	423	413	6.91, 6.85	
1659	1209	1229	728	740	7.93, 7.96	
1663	1392	—	838		8.27	k ?x
1632	474	511	290	313	6.35, 6.45	
1615	1278	—	792	—	8.12	1176x
1641	983	930	596	567	7.53, 7.44	
1669	223	231	134	139	5.45, 5.49	
1677	880	896	526	536	7.29, 7.35	
1655	1430	—	864	—	8.35	
1677	1539	1525	917	909	off curve, off curve	
1669	1164	1140	698	684	7.83, 7.78	
1634	1023	1046	627	640	7.63, 7.66	
1670	1016	996	608	597	7.56, 7.53	
1661	1475	1503	888	905	8.40, off curve	
1612	1142	1115	709	693	7.87, 7.82	
1582	976	—	618	—	7.60	1104x
1631	1468	—	900	—	8.44	
1650	1452	1424	881	863	8.39, 8.34	
1668	1414	1410	848	846	8.29, 8.28	
1638	1321	1386	807	843	8.16, 8.28	
1689	1378	1421	815	842	8.19, 8.27	
1650	1358	1370	822	831	8.22, 8.24	

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1929phae.proj.12680

Agp RH 695 – Aug 30, 1929

New Series

Strip	Class	Star	y	x	Deff.	Deff.	cl.	Dk.	volts
	p	128	2396	1090	1513	—	1740	090	
		323	2380	1240	1217	1229	1753	089	
24.0		324	2415	727	1151	1188	1726	090	
		325	2406	788	1643	1677	1730	091	
		326	2410	887	1135	1139	1700	089	
	p	129	2405	890	1240	—	1710	089	
		327	2402	1137	1422	1433	1725	090	
	p	130	2410	1193	1052	—	1750	090	
24.2		328	2420	370	213	226	1669	083	
		329	2433	540	1221	1291	1700	089	
		330	2429	880	1583	1598	1730	090	
	p	131	2432	1011	1265	—	1712	089	
		381	2420	1048	1314	1268	1660	089	
24.4		332	2441	819	992	1119	1711	090	
		333	2450	919	1289	1325	1693	090	
		334	2448	1061	1402	1388	1710	089	
		335	2451	1159	1621	1542	1738	090	
	p	132	2445	1189	1410	—	1700	090	
		336	2440	1203	1410	1367	1723	089	
24.6		337	2455	488	1352	1361	1690	090	
		338	2470	528	1481	1509	1703	090	
		339	2474	613	1543	1500	1698	090	
	p	133	2470	631	1094	—	1669	091	
		340	2478	669	441	421	1680	089	
		341	2470	847	1372	1380	1663	090	
		342	2459	980	1402	1371	1689	091	
	p	134	2467	990	1353	—	1706	090	
		343	2460	1071	1112	1117	1703	090	
	p	135	2461	1193	950	—	1704	089	
24.8	p	136	2491	472	1230	—	1663	090	

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1929phae.proj.12066

α - 1900	Defl. - Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	L. No.
16 50	1423	—	862	—	8.33	840 ×
1664	1125	1142	676	687	7.76, 7.79	
1636	1061	1098	650	671	7.69, 7.75	
1639	1532	1586	948	967	off curve, off curve	
1611	1046	1050	649	652	7.69, 7.70	
1621	1151	—	710	—	7.87	
1635	1332	1343	815	821	8.19, 8.22	
1660	962	—	580	—	7.48	809 ×
1586	130	143	82	90	4.95, 5.02	
1611	1132	1202	703	746	7.85, 7.98	
1646	1493	1508	911	920	off curve, off curve	
1623	1176	—	725	—	7.93	880 ×
1571	1226	1179	780	750	8.07, 8.00	
1621	902	1029	557	635	7.42, 7.65	
1603	1199	1235	747	770	7.99, 8.05	
1621	1313	1299	811	801	8.18, 8.16	
1648	1531	1452	929	881	off curve, 8.89	
1610	1320	—	820	—	8.21	~~1044~~
1634	1321	1278	809	781	8.17, 8.09	
1600	1262	1271	788	795	8.10, 8.13	
1613	1391	1419	862	879	8.33, 8.37	
1608	1453	1410	904	877	off curve, 8.37	
1578	1003	—	637	—	7.66	1044 ×
1591	352	332	221	209	6.04, 5.97	
1573	1282	1290	817	821	8.20, 8.22	
1598	1311	1280	821	802	8.22, 8.15	
1616	1263	—	782	—	8.08	892 ×
1613	1022	1027	634	637	7.65, 7.66	
1615	861	—	534	—	7.34	844 ×
1573	1240	—	788	—	8.10	1110 ×

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1929phae.proj.12680

NGP - RH695 - Aug 30, 1929

New Series

strip	class	star	y	x	Defl.	Defl.	Cl.	Sk.	volts
	p	137	2492	550	1490	—	1659	090	
	f	344	2480	723	1349	1295	1670	089	
	f	345	2490	737	1257	1238	1688	089	
	f	346	2490	742	1563	1597	1681	090	
	f	347	2490	809	1988	1989	1683	089	
	f	348	2483	901	1155	1158	1700	089	
	f	349	2490	900	1508	1570	1680	090	
	p	138	2490	913	1449	—	1683	090	
	f	350	2490	993	1123	1138	1690	089	
	f	351	2489	1049	1397	1349	1680	089	
	f	352	2495	1148	693	706	1700	087	
25.0	f	353	2510	820	1319	1290	1680	089	
	p	139	2510	879	1162	—	1688	089	
25.2	f	354	2519	509	943	960	1654	089	
	f	355	2528	562	1483	1510	1651	090	
	p	140	2520	611	1109	—	1659	090	
	p	141	2517	639	732	—	1661	090	
	p	142	2513	683	1519	—	1642	091	
	p	143	2530	890	1522	—	1672	092	
25.4	f	356	2541	559	1230	1293	1653	090	
	f	357	2540	585	1599	1538	1661	093	
	f	358	2552	767	1490	1411	1663	093	
	f	359	2548	859	1177	1251	1650	092	
	p	144	2548	867	1473	—	1642	092	
	p	145	2547	1018	1397	—	1683	091	
25.6	p	146	2564	929	1322	—	1669	092	
25.8	f	360	2589	748	1227	1177	1660	092	
	f	361	2590	780	1280	1320	1664	092	
	p	147	2595	793	793	—	1669	092	
		10	2012	673	113	—	1539	091	

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1929phae.proj.12666

Cl-Dk	Dafl-Dk	Dafl.-Dk.	Reduced	Reduced	Magn.	L. No.
1569	1400	—	893	—	8.43	
1581	1260	1206	796	763	8.13, 8.03	
1599	1165	1149	731	717	7.94, 7.89	
1591	1473	1507	926	946	off curve, off curve	
1594	1299	1300	815	816	8.19, 8.20	
1611	1066	1069	662	664	7.73, 7.75	
1590	1418	1480	891	930	8.43, off curve	
1593	1359	—	862	—	8.31	
1601	1034	1049	646	665	7.67, 7.71	
1591	1308	1260	821	792	8.22, 8.12	
1613	606	619	376	384	6.70, 6.73	
1591	1230	1141	773	717	8.06, 7.88	
1599	1073	—	672	—	7.75	926 ×
1565	864	871	545	657	7.37, 7.41	
1561	1393	1420	892	908	8.43, off curve	
1569	919	—	586	—	7.50	1043 ×
1571	642	—	409	—	6.84	1030 ×
1551	1428	—	918	—	off curve	
1580	1430	—	905	—	off curve	
1563	1140	1203	729	770	7.94, 8.05	
1568	1506	1445	959	922	off curve, off curve	
1570	1397	1318	890	840	8.42, 8.26	
1558	1085	1159	697	744	7.83, 7.98	
1550	1381	—	892	—	8.43	
1592	1306	—	819	—	8.20	
1577	1230	—	780	—	8.07	3a ×
1568	1155	1085	723	692	7.92, 7.82	
1572	1188	1228	755	781	8.02, 8.09	
1577	701	—	445	—	6.99	
1448	22	—	15	—		

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1929phae.proj.12680

2yp-RH 695 – Aug 30, 1929

New Series

Strip	Class	Star.	y	x	Defl.	Defl'	α.	δ.	volts
		1	2320	870	150	—	1641	090	
Plate		2	—	—	240	—	1663	091	
finished		3	—	—	408	—	1653	091	
		4	—	—	578	—	1677	090	
		5	—	—	571	—	1653	091	
		6	—	—	843	—	1688	090	
		7	—	—	940	—	1700	091	
		8	—	—	1137	—	1670	092	500
Con. from			2yp-	RH	865 –	Sept	30, 1929		
Bk 67		14	1960	933	293	—	1410	049	520
Page	160	1	1882	579	600	—	1540	050	
		2	—	—	712	—	1498	050	
		3	—	—	800	—	1460	051	
		4	—	—	880	—	1531	051	
		5	—	—	949	—	1491	050	
		6	—	—	1113	—	1454	051	
		7	—	—	1140	—	1462	052	
		8	—	—	1302	—	1497	053	
18.4	f	103	1839	499	1410	1412	1541	061	
	p	49	1839	508	1218	—	1529	060	
	p	50	1843	670	1370	—	1528	060	
	f	104	1848	871	1370	1389	1503	061	
	p	51	1848	931	1412	—	1503	061	
	p	52	1837	1110	1398	—	1532	060	
	f	105	1851	1197	1441	1451	1551	062	
	f	106	1847	1203	1259	1319	1562	061	
	p	53	1843	1231	1209	—	1569	061	
	f	107	1852	1421	1328	1328	1587	063	
18.6	p	54	1868	393	1369	—	1558	064	
	f	108	1862	477	1170	1171	1560	063	
	f								

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1929phae.proj.12000

Cl-Pk	Defl.-Pk.	Defl.-Pk.	Reduced	Reduced	Magn.	Lo.
1551	60	—	39	—		
1572	179	—	114	—		
1562	317	—	203	—		
1587	288	—	181	—		
1562	480	—	307	—		
1548	763	—	472	—		
1609	849	—	527	—		
~~1598~~	1345	—	853	—		
1361	244	—	179	—		
1490	550	—	369	—		
1448	662	—	458	—		
1409	749	—	532	—		
1480	829	—	560	—		
1441	899	—	624	—		
1403	1062	—	757	—		
1410	1088	—	772	—		
1444	1249	—	865	—		
1480	1349	1351	911	913	<	off curve, off curve
1469	1168	—	788	—	7.50	
1468	1310	—	892	—	8.69	975 x
1442	1309	1328	907	920	<	off curve, off curve
1442	1351	—	987	—	off curve	
1472	1278	—	868	—	8.39	
1489	1379	1389	926	933	off curve, off curve	
1501	1198	1258	798	837	7.59, 7.99	
1508	1148	—	761	—	7.24	b v
1524	1265	1265	830	830	7.92, 7.92	
1494	1306	—	873	—	8.44	892 x
1497	1107	1108	738	731	7.07, 7.02	

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1929phae.proj.12680

New Series

Agp - R H 865 — Sept 4, 1929

Strip	Class	Star	y	x	Defl.	Defl.	A	Dk.	volts
	p	55	1852	589	1411	—	1550	065	
		109	1862	760	1250	1258	1516	069	
	p	56	1869	881	1282	—	1473	068	
		110	1861	938	1264	1348	1520	062	
		111	1861	1169	1411	1440	1548	068	
		112	1854	1269	1371	1373	1573	068	
		113	1870	1295	1211	1166	1590	069	
		114	1870	1438	1353	1360	1598	070	
	p	57	1869	1457	1490	—	1613	070	
18.8		115	1879	410	1303	1319	1565	070	
		116	1889	483	1500	1500	1569	073	
	p	58	1880	704	1419	—	1542	070	
		117	1890	711	1431	1439	1542	071	
		118	1890	829	1120	1116	1519	071	
		119	1880	897	1143	1157	1510	072	
		120	1880	1042	1331	1328	1543	072	
		121	1890	1207	1421	1460	1570	072	
		122	1889	1350	1509	1527	1587	072	
		123	1880	1409	1019	1043	1603	073	
		124	1890	1282	850	1015	1599	071	
19.0	p	59	1904	400	1313	—	1557	069	
		125	1907	471	1191	1205	1526	070	
		126	1902	595	1284	1258	1555	070	
		127	1910	814	1251	1263	1529	070	
		128	1911	900	1280	1300	1579	070	
		129	1901	982	1088	1091	1511	070	
		130	1910	999	1399	1424	1520	072	
		131	1903	1101	1013	1017	1531	071	
		132	1911	1106	1402	1420	1536	072	
	p	60	1907	1133	1280	—	1532	071	

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1920phao.proj.12666

cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn	L. Ko
1485	1346	—	906	—	off curve	
1477	1181	1189	817	821	7.77, 7.82	
1405	1214	—	865	—	8.35	
1458	1202	1286	825	882	7.86, 8.67	
1480	1343	1372	908	927	off curve, off curve	
1505	1303	1307	865	868	8.33, 8.37	
1521	1142	1097	760	721	7.16, 6.94	
1528	1283	1290	840	844	8.03, 8.06	
1543	1420	—	919	—	off curve	181 x
1495	1233	1249	826	835	7.86, 7.95	
1496	1427	1427	966	955	off curve, off curve	
1471	1348	—	916	—	off curve	977 x
1471	1360	1368	924	930	off curve, off curve	
1448	1079	1045	724	723	6.96, 6.95	
1438	1071	1085	745	756	7.13, 7.20	
1471	1269	1258	855	854	8.21, 8.20	
1498	1349	1388	900	925	off curve, off curve	
1515	1437	1455	948	961	off curve, off curve	
1530	946	970	619	634	6.28, 6.39	
1528	779	944	510	617	5.61, 6.27	
1488	1244	—	836	—	7.97	880 x
1456	1121	1135	771	781	7.33, 7.42	
1485	1214	1188	818	800	7.77, 7.61	
1459	1181	1193	810	818	7.71, 7.77	
1449	1210	1230	835	848	7.97, 8.10	
1441	1018	1021	706	709	6.83, 6.85	
1448	1327	1355	917	936	off curve, off curve	
1460	942	946	645	649	6.46, 6.48	
1467	1330	1348	908	920	off curve, off curve	
1461	1109	—	759	—	7.22	h ✓

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1929phae.proj.12680

New Series

2 Gp - RA 865 - Sept 4, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk	volts
	p	61	1902	1323	890	—	1580	071	
		133	1908	1387	1058	1059	1607	072	
		134	1907	1398	1442	1443	1590	073	
		135	1900	1410	563	543	1606	071	
	p	62	1908	1480	1333	—	1603	073	
		10	1960	933	382	—	1448	071	
		1	1882	579	673	—	1550	041	
		2	—	—	733	—	1517	070	
		3	—	—	821	—	1479	071	
		4	—	—	912	—	1552	071	
		5	—	—	1000	—	1508	071	
		6	—	—	1141	—	1479	071	
Cont. in Book 67, P. 162		7	—	—	1167	—	1482	071	
cont. in		8	—	—	1311	—	1510	071	575

2 Gp - RA 865 - Sept 5, 1929.

cont. from Book 67, Page 174

	1^	1960	941	210	—	1130	0—	505
	1	1882	589	481	—	1198	0—	
	2	—	—	567	—	1170	0—	
	3	—	—	621	—	1139	0—	
	4	—	—	704	—	1198	0—	
	6	—	—	769	—	1160	0—	
	6	—	—	812	—	1140	0—	
	7	—	—	889	—	1141	0—	
	8	—	—	1018	—	1167	0—	
20.6		179	2074	681	593	608	1141	0—
		180	2057	724	1041	1038	1162	0—
		181	2065	900	903	903	1159	0—
	p	75	2070	1159	1105	—	1198	0—
	p	76	2063	1428	1042	—	1232	0—
20.8		182	2077	338	1087	1090	1210	0—

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1920phae.proj.12000

Cl-Dk.	Defl.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1509	819	—	543	—	5.81	183, x
1535	986	987	643	644	6.44, 6.45	
1517	1369	1400	906	923	off curve, off curve	
1535	492	472	321	307	3.85, 3.90	
1530	1260	—	823	—	7.84	
1377	311	—	226	—		
1479	602	—	407	—		
1447	663	—	458	—		
1408	750	—	533	—		
1481	841	—	568	—		
1437	929	—	646	—		
1408	1070	—	761	—		
1411	1096	—	775	—		
1439	1240	—	863	—		
1180	210	—	186	—		
1198	481	—	403	—		
1170	567	—	485	—		
1139	621	—	544	—		
1198	704	—	588	—		
1166	769	—	661	—		
1140	872	—	765	—		
1141	889	—	777	—		
1167	1018	—	887	—		
1141	593	608	520	533	5.52, 5.63	
1162	1041	1033	894	888	8.52, 8.46	
1159	903	903	780	780	7.50, 7.50	
1198	1105	—	928	—	8.75	
1232	1042	—	879	—	8.24	225x
1218	1087	1090	881	893	8.45, 8.51	

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2gp - RH 865 - Sept 5, 1929

New Series

Strip	Class	Star	γ	7	Defl.	Defl.	Cl.	Dk	volts
p		77	2083	420	1007	—	1211	0 —	
		183	2088	541	1104	1121	1203	0 —	
		184	2080	569	1113	1105	1211	0 —	
p		78	2078	624	1093	—	1209	0 —	
		78	2090	650	1048	—	1201	0 —	
		185	2095	781	1061	1051	1171	0 —	
		186	2080	870	1032	1031	1170	0 —	
		187	2080	847	777	790	1180	0 —	
		188	2080	911	749	760	1170	0 —	
		189	2080	995	830	851	1150	0 —	
		190	2078	1198	1050	1068	1212	0 —	
p		80	2090	1209	977	—	1220	0 —	
p		81	2085	1345	966	—	1230	0 —	
21.0		191	2100	449	1093	1111	1204	0 —	
		192	2110	533	970	981	1209	0 —	
		193	2095	771	1073	1052	1180	0 —	
		194	2111	800	1064	1063	1170	0 —	
		196	2110	847	1061	1071	1069	0 —	
		196	2104	852	1049	1061	1151	0 —	
		197	2100	907	972	838	1151	0 —	
		198	2100	1153	1110	1099	1180	0 —	
		199	2110	1190	961	953	1202	0 —	
p		82	2110	1236	782	—	1201	0 —	
		208	2100	1477	(331)	(332)	1233	0 —	
p		83	2102	1490	1107	—	1241	0 —	
p		84	2111	1499	913	—	1243	0 —	
21.2	p	85	2123	839	1041	—	1229	0 —	
		201	2125	360	1151	1143	1230	0 —	
		202	2130	480	1119	1120	1210	0 —	
p		86a	2133	499	1048	—	1184	0 —	

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1929phao.proj.12000

α-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1211	1007	—	832	—	7.77	791 x
1203	1104	1121	918	930	8.74, 8.87	
1211	1113	1105	912	904	8.70, 8.62	
1209	1093	—	903	—	8.47	778 x
1201	1048	—	872	—	8.17	765 v
1171	1061	1051	908	898	8.65, 8.57	
1170	1032	1031	881	880	8.40, 8.39	
1180	777	790	657	670	6.55, 6.66	
1170	749	760	640	649	6.42, 6.48	
1160	830	851	721	740	7.03, 7.18	
1212	1050	1068	868	881	8.27, 8.40	
1220	977	—	800	—	7.48	274 v
1230	960	—	778	—	7.30	264 x
1204	1093	1111	907	922	8.65, 8.80	
1209	970	981	802	810	7.70, 7.77	
1180	1073	1052	908	890	8.65, 8.47	
1170	1064	1063	910	909	8.68, 8.67	
1069	1061	1071	991	1002	off curve, off curve	
1151	1049	1061	905	921	8.61, 8.79	
1151	972	833	843	722	8.04, 7.04	
1180	1110	1099	941	930	9.00 off curve, 8.87	
1202	961	953	800	792	7.68, 7.61	
1201	782	—	650	—	6.33	279 v
1233	331	332	268	269	3.21, 3.22	
1241	1107	—	1000	—	off curve	
1243	913	—	732	—	6.93	
1229	1041	—	860	—	8.04	k x
1230	1101	1143	934	930	8.92, 8.87	
1210	1119	1120	917	918	8.74, 8.75	
1184	1048	—	884	—	8.28	

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1929phae.proj.1268C

Rgp. RH 865 - Sept 5, 1929

New Series

strip	Class	Star	y	x	Defl.	Defl.	Cl	Dfs.	volts
	8k	~~203~~	2128	530	1121	—	1198	0 —	
		204	2120	540	986	1001	1198	0 —	
		205	2120	671	851	849	1203	0 —	
		87	2122	690	1100	—	1164	0 —	
		206	2122	712	804	822	1154	0 —	
		207	2129	722	763	777	1162	0 —	
		208	2130	1019	1012	1009	1158	0 —	
		14	1960	941	259	—	1131	0 -	
		1	1882	589	533	—	1207	0 —	
		2	—	—	571	—	1183	0 —	
		3	—	—	642	—	1151	0 —	
		4	—	—	737	—	1212	0 —	
		5	—	—	788	—	1176	0 —	
		6	—	—	890	—	1159	0 —	
		7	—	—	904	—	1153	0 —	
		8	—	—	1030	—	1180	0 —	505
FMC RH 865 Sept. 6, 1929		15	1960	930	190	—	1100	0 —	
		1	1882	572	445	—	1150	0 —	
		2	—	—	508	—	1121	0 —	
		3	—	—	570	—	1100	0 —	
		4	—	—	645	—	1142	0 —	
		5	—	—	710	—	1111	0 —	
		6	—	—	819	—	1072	0 —	
		7	—	—	831	—	1085	0 —	
		8	—	—	962	—	1115	0 —	
21.4	fo	88	2148	531	970	—	1130	0 —	
	fo	89	2151	730	1040	—	1089	0 —	
	f	209	2150	870	750	761	1099	0 —	
	f	210	2150	970	888	920	1100	0 —	
	f	211	2139	1010	835	840	1101	0 —	

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1929phae.proj.12680

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Dk.
1198	1121	—	936	—	off curve	—
1198	986	1001	821	834	7.89, 7.97	
1203	851	849	708	704	6.95, 6.92	
1164	1100	—	942	—	off curve	792? ✗
1154	804	822	698	712	6.86, 6.97	
1162	763	777	657	668	6.55, 6.64	
1158	1012	1009	874	872	8.24, 8.32	
1131	269	—	228	—		
1207	533	—	444	—		
1183	671	—	482	—		
1151	642	—	559	—		
1212	737	—	608	—		
1176	788	—	670	—		
1154	890	—	768	—		
1153	904	—	787	—		
1180	1030	—	888	—		
1100	190	—	173	—		
1150	446	—	387	—		
1121	608	—	462	—		
1108	670	—	577	—		
1142	645	—	524	—		
1111	710	—	638	—		
1072	814	—	762	—		
1085	831	—	764	—		
1115	862	—	774	—		
1130	970	—	855	—	off curve	748 ✓
1084	1040	—	954	—	off curve	32 ? ✗
1094	750	761	684	693	6.92, 6.78	
1103	888	920	807	834	7.70, 7.96	
1161	835	840	758	762	7.36, 7.31	

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1929phae.proj.12680

180 New Series

FMC RH. 865 Sept. 6, 1929

Strip	Class	Star	y	x	Diff.	Defl.	Cl.	Dk volt
21.4		212	2151	1049	~~1002~~ 971	989	1101	0 —
		213	2142	1121	738	750	1128	0 —
		90	2140	1238 439	690	—	1120	0 —
21.6		214	2160	~~980~~	979	950	1148	0 —
		215	2165	479	920	921	1130	0 —
		216	2162	549	1009	1022	1132	0 —
		217	2170	553	1040	1050	1125	0 —
		218	2164	589	989	990	1135	0 —
		91	2170	764	750	—	1118	0 —
		219	2171	846	853	855	1091	0 —
		220	2174	970	980	1002	1100	0 —
		221	2167	1118	840	850	1111	0 —
		222	2160	1189	~~972~~ 950	940	1130	0 —
		223	2162	1240	900	893	1110	0 —
		224	2172	1452	980	963	1170	0 —
21.8		225	2198	322	590	601	1174	0 —
		92	2181	350	1021	—	1168	0 —
		226	2190	563	758	760	1118	0 —
		227	2189	570	989	992	1127	0 —
		228	2195	660	1000	1010	1101	0 —
		229	2180	670	868	~~885~~ 873	1109	0 —
		230	2192	728	910	910	1119	0 —
		231	2190	990	990	990	1090	0 —
		232	2180	799	838	830	1101	0 —
		233	2182	975	851	842	1080	0 —
		93	2180	1102	888	—	1108	0 —
		234	2191	1110	830	831	1090	0 —
		235	2180	1112	931	930	1110	0 —
		94	2189	1263	862	—	1128	0 —
		236	2181	1348	989	1002	1160	0 —

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1929phae.proj.12680

α - Dk	Defl. - Dk	Defl. - Dk.	Reduced	Reduced	mgn.	L. Ko.
1101	991	984	980	896	8.59, 8.55	
1128	738	750	651	668	6.52, 6.57	
1120	690	—	616	—	6.62	294 v
1148	974	950	850	825	8.09, 7.86	
1130	920	921	811	812	7.73, 7.74	
1132	1009	1022	892	903	8.51, 8.62	
1125	1040	1050	925	932	offcurve, offcurve	
1135	989	990	880	881	8.42, 8.43	
1118	750	—	672	—	7.16	627 v
1091	853	855	782	784	7.47, 7.48	
1100	980	1002	891	910	8.51, 8.70	
1111	840	860	756	765	7.25, 7.33	
1130	960	940	837	828	7.96, 7.88	
1110	900	893	808	804	7.70, 7.67	
1170	980	963	836	822	7.95, 7.83	
1174	590	601	583	512	5.50, 5.55	
1168	1021	—	872	—	offcurve	958 x
1115	768	760	680	682	6.70, 6.72	
1127	989	992	875	880	8.36, 8.40	
1101	1000	1010	906	917	8.65, offcurve	
1107	868	873	782	787	7.48, 7.50	
1119	910	910	813	813	7.75, 7.75	
1090	990	990	908	908	8.18, 8.18	
1101	832	830	765	753	7.24, 7.23	
1080	857	842	789	780	7.57, 7.45	
1108	888	—	808	—	8.57	338 v
1096	830	881	762	763	7.31, 7.32	
1110	931	930	837	886	7.99, 7.96	
1128	862	—	763	—	8.12	2a x
1160	987	1002	850	815	8.09, 8.23	

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FMC RH 865 Sept 6, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	Watt.
21.8		95	2189	1398	778	—	1151	0—	
22.0		237	2201	585	780	790	1130	0—	
		238	2211	590	1080	1025	1120	0—	
		96	2209	643	1019	—	1118	0—	
		239	2211	775	930	955	1097	0—	
		240	2215	812	915	933	1090	0—	
		241	2215	885	820	830	1080	0—	
		97	2201	1040	725	—	1100	0—	
		242	2200	1399	1050	1095	1151	0—	
22.2		98	2219	555	891	—	1114	0—	
		243	2238	729	991	982	1089	0—	
		244	2230	740	697	710	1105	0—	
		99	2231	749	912	—	1102	0—	
		245	2238	1380	921	920	1140	0—	
22.4		246	2249	865	810	820	1089	0—	
		247	2241	1108	959	950	1099	0—	
		248	2250 2270	1273	928	932	1135	0—	
22.6		249	~~2288~~	949	1040	1021	1165	0—	
		250	2260	438	760	775	1170	0—	
		100	2272	622	971	—	1110	0—	
		101	2270	702	760	—	1098	0—	
		251	2270	881	951	958	1070	0—	
22.8		252	2290	348	618	630	1162	0—	
		253	2281	740	960	952	1079	0—	
		102	2279	1131	965	—	1090	0—	
		254	2290	1191	988	1000	1098	0—	
23.0		255	2311	509	908	885	1088	0—	
		256	2312	626	1080	1005	1112	0—	
		103	2309	645	818	—	1110	0—	
		257	2309	923	842	870	1062	0—	

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1929phae.proj.12681

Cl.-Dk	Defl. Dk	Defl.-Dk.	Reduced	Reduced	Magn.	Z. Ks.
1151	778	—	675	—	7.18	297 x
1130	780	790	688	696	6.75, 6.81	
1120	1020	1025	920	932	off curve, off curve	
1118	1019	—	911	—	off curve	
1097	930	965	849	872	8.07, 8.31	
1090	916	933	837	854	7.97, 8.15	
1080	820	830	760	768	7.29, 7.35	
1100	725	—	659	—	7.01	376 v
1151	1050	1035	912	898	8.74, 8.58	
1114	891	—	800	—	8.58	713 v
1089	991	982	910	901	8.70, 8.61	
1105	697	710	630	642	6.34, 6.43	
1102	912	—	828	—	off curve	601 v
1140	921	920	809	807	7.70, 7.69	
1089	810	820	742	751	7.15, 7.23	
1099	959	950	870	864	8.30, 8.23	
1135	928	932	816	820	7.76, 7.81	
1165	1040	1021	892	875	8.61, 8.36	
1170	760	775	649	662	6.46, 6.56	
1116	971	—	873	—	off curve	664 x
1098	760	—	693	—	7.32	625 v
1070	951	958	888	892	8.47, 8.52	
1162	618	630	531	542	5.70, 5.77	
1079	960	962	888	882	8.47, 8.42	
1090	960	—	883	—	off curve	
1098	988	1000	900	911	8.59, 8.73	
1088	908	885	832	812	7.93, 7.74	
1112	1020	1005	917	903	off curve, 8.63	
1110	818	—	735	—	7.82	642 v
1062	842	876	793	818	7.55, 7.78	

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1929phae.proj.1268C

FMC RH 865 Sept 5, 1929

New Slides

Strip	Class	Star	y	x	Defl	Defl.	Cl.	Dk.	volt.
23.0	f	258	2300	1430	711	760	1150	0—	
23.2	f	259	2317	495	829	880	1141	0—	
	f	104	2328	529	910	—	1139	0—	
	f	260	2828	1310	~~910~~ 680	680	1190	0—	
23.4	f	261	2350	450	1013	1020	1161	0—	
	f	262	2350	517	290	291	1132	0—	
	f	105	2348	682	748	—	1105	0—	
	f	106	2349	833.	970	—	1072	0—	
	f	107	2339	1053	915	—	1080	0—	
	f	263	2352	1070	945	930	1061	0—	
		15	1960	930	235	—	1095	0—	
		1	1882	572	460	—	1149	0—	
		2	—	—	595	—	1120	0—	
		3	—	—	620	—	1100	0—	
		4	—	—	680	—	1145	0—	
		5	—	—	732	—	1112	0—	
		6	—	—	825	—	1080	0—	
		7	—	—	850	—	1089	0—	
		8	—	—	985	—	1112	0—	
FMC RH 865 Sept. 5 1929		15	1960	930	163	—	1000	0—	4.90
		1	1882	572	392	—	1030	0—	
		2	—	—	423	—	1011	0—	
		3	—	—	498	—	990	0—	
		4	—	—	578	—	1070	0—	
		5	—	—	644	—	1013	0—	
		6	—	—	720	—	980	0—	
		7	—	—	739	—	990	0—	
		8	—	—	885	—	1011	0—	
23.6	f	264	2362	448	750	761	1041	0—	
	f	265	2370	480	785	801	1029	0—	

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1929phae.proj.12681

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1150	711	760	678	659	6.26, 6.52	
1141	829	820	725	717	7.03, 6.96	
1139	910	—	799	—	8.57	679 v
1130	680	680	601	601	6.15, 6.15	
1161	1018	1020	870	876	8.30, 8.36	
1132	290	291	257	258	off curve, off curve	
1105	748	—	676	—	7.19	606 v
1072	970	—	904	—	off curve	
1080	916	—	848	—	off curve	425 v
1061	945	980	888	874	8.47, 8.35	
1095	235	—	215	—		
1149	460	—	400	—		
1120	535	—	478	—		
1100	620	—	563	—		
1140	680	—	594	—		
1112	732	—	659	—		
1080	825	—	762	—		
1089	850	—	788	—		
1112	986	—	834	—		
1007	763	—	163	—		
1030	392	—	380	—		
1011	403	—	399	—		
990	498	—	503	—		
1076	578	—	540	—		
1013	644	—	635	—		
980	720	—	736	—		
990	739	—	746	—		
1011	885	—	874	—		
1141	750	761	720	730	7.01, 7.08	
1029	785	861	762	778	7.32, 7.46	

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186 New Series

FMC RH 865 Sept 6 1929

strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	mlt.
23.6	f	266	2370	619	748	747	1009	0	
	f	108	2362	730	762	—	987	0	
	f	109	2372	769	748	—	982	0	
	f	110	2370	862	835	—	969	0	
	f	267	2370	883	690	691	970	0	
	f	268	2375	940	650	660	965	0	
23.8	f	269	2395	450	928	925	1023	0	
	f	270	2379	460	858	861	1041	0	
	f	111	2378	469	840	—	1040	0	
	f	271	2380	499	653	669	1026	0	
	f	272	2379	507	423	491	1030	0	
	f	273	2387	869	874	878	979	0	
	f	112	2385	773	860	—	979	0	
	f	274	2390	795	890	880	960	0	
	f	275	2394	1000	829	831	951	0	
	f	276	2380	1260	750	750	991	0	
	f	277	2381	1370	770	790	1025	0	
24.0	f	113	2401	418	782	—	1041	0	
	f	278	2417	450	420	420	1032	0	
	f	279	2410	651	840	843	982	0	
	f	114	2408	797	855	—	980	0	
	f	280	2407	841	830	841	970	0	
	f	115	2411	1031	725	—	930	0	
	f	281	2410	1219	881	870	985	0	
	f	282	2408	1358	830	860	998	0	
24.2	f	283	2430	589	890	900	999	0	
	f	284	2421	959	763	755	961	0	
	f	285	2421	1107	639	645	952	0	
	f	116	2430	1132	722	—	960	0	
24.4	f	286	2449	471	670	672	1018	0	

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mags	I. Ks
1009	748	747	740	739	7.15, 7.15	
987	762	—	771	—	7.40	587 v
982	748	—	761	—	7.31	570 v
969	835	—	864	—	8.43	
970	690	691	711	712	6.96, 6.97	
965	650	666	673	683	6.72, 6.78	
1023	928	925	907	903	off curve, off curve	
1041	858	861	827	830	7.96, 7.98	
1040	840	—	807	—	7.76	681 x
1026	653	669	637	651	6.49, 6.57	
1030	423	431	410	418	5.09, 5.17	
979	874	878	844	897	off curve, off curve	
974	860	—	878	—	8.57	
960	890	880	928	919	off curve, off curve	
951	829	831	870	872	8.49, 8.50	
991	760	766	757	757	7.28, 7.28	
1025	770	790	750	776	7.23, 7.39	
1041	782	—	758	—	7.23	683 x
1032	420	420	407	407	5.07, 5.07	
982	840	843	854	857	8.30, 8.32	
980	855	—	872	—	8.53	
970	820	841	845	868	814 8.48	
930	725	—	778	—	7.46	451 y
985	881	870	894	884	off curve, off curve	
993	830	860	836	866	8.06, 8.44	
999	890	900	890	900	off curve, off curve	
961	763	755	794	786	7.60, 7.53	
962	639	645	670	678	6.70, 6.74	
966	722	—	752	—	7.24	420 x
1018	670	672	658	660	6.61, 6.63	

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FMC RH 865 Sept 6, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl	Cl.	Dk.	wdt.
24.4	fp	287	2450	482	890	870	1017	0—	
		288	2440	510	839	838	1010	0—	
		289	2445	640	801	810	990	0—	
		117	2448	708	820	—	962	0—	
		290	2450	748	840	850	967	0—	
		291	2440	790	673	688	970	0—	
		292	2440	930	520	590	960	0—	
		293	2451	1099	710	710	940	0—	
		294	2452	1158	803	795	950	0—	
		295	2458	1220	869	863	968	0—	
		296	2451	1310	~~700~~ 640	679	980	0—	
24.6		118	2460	491	332	—	981	0—	
		119	2460	526	821	—	1020	0—	
		297	2473	532	835	842	1005	0—	
		298	2469	631	485	483	990	0—	
		299	2473	649	605	620	912	0—	
		300	2470	830	860	880	962	0—	
		301	2460	932	748	770	959	0—	
		302	2460	970	349	350	941	0—	
	fp	120	2479	1120	863	—	939	0—	
		121	2462	1140	533	—	950	0—	
		303	2470	1268	879	880	980	0—	
24.8		304	2480	469	842	870	1000	0—	
		305	2490	705	905	900	971	0—	
		306	2492	840	860	870	940	0—	
		307	2495	1060	640	639	939	0—	
		308	2491	1204	781	770	963	0—	
25.0		309	2501	740	868	868	952	0—	
	fp	121	2500	823	820	—	960	0—	
	fp	122	2515	835	495	—	960	0—	

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1929phae.proj.12666

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1017	898	878	877	856	8.57, 8.33	
1010	839	838	829	829	7.98, 7.98	
990	801	818	809	817	7.77, 7.85	
962	820	—	854	—	8.33	583 ✓
967	840	870	868	879	8.47, off curve	
970	673	683	689	698	6.80, 6.86	
960	520	530	539	549	5.92, 5.97	
940	718	710	736	756	7.27, 7.27	
950	803	795	844	838	8.16, 8.08	
963	869	863	905	895	off curve, off curve	
980	640	649	662	661	6.59, 6.64	
981	332	—	338	—	4.47	660 ✗
1020	821	—	805	—	8.22	647 ✗
1005	885	842	829	836	7.98, 8.06	
990	485	483	490	488	5.67, 5.66	
912	605	620	662	677	6.65, 6.68	
962	860	880	893	914	off curve, off curve	
959	748	770	780	802	7.47, 7.70	
941	349	368	371	372	4.76, 4.77	
939	863	—	920	—	off curve	
960	533	—	571	—	6.05	426 ✗
980	879	880	896	897	off curve, off curve	
1000	842	870	842	870	8.14, 8.49	
971	905	900	934	927	off curve, off curve	
940	880	876	938	928	off curve, off curve	
939	640	639	681	680	6.76, 6.75	
963	781	770	811	800	7.80, 7.67	
952	868	863	913	908	off curve, off curve	
960	820	—	856	—	8.31	541 ✓
960	495	—	515	—	5.79	536 ✗

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1929phae.proj.1268C

FMC RH 865 Sept 6, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.
25.0	f	123	2503	1008	568	—	950	0—
25.2	f	316	2520	512	790	778	1000	0—
	f	311	2520	680	782	790	970	0—
	f	312	2520	801	740	745	942	0—
	f	313	2532	990	875	850	950	0—
	f	124	2519	1059	745	—	938	0—
25.4	f	125	2548	885	753	—	960	0—
	f	314	2547	930	830	857	960	0—
	f	126	2551	1019	843	—	962	0—
	f	127	2550	1162	751	—	939	0—
25.6	A	315	2560	525	845	862	990	0—
	A	316	2566	757	703	691	970	0—
	A	317	2569	852	~~775~~ 732	734	960	0—
	A	318	2571	919	711	710	950	0—
	A	319	2569	1090	770	758	945	0—
25.8	A	320	2591	580	150	161	998	0—
	A	321	2590	618	903	920	985	0—
	A	322	2592	708	860	871	978	0—
	A	323	2595	735	712	720	969	0—
	A	324	2590	1040	877	870	950	0—
	A	325	2590	1077	800	800	939	0—
26.0	A	326	2610	648	680	677	985	0—
	f	128	2600	930	782	—	960	0—
	f	327	2610	965	610	619	950	0—
	f	328	2603	1050	700	690	959	0—
26.2	f	329	2630	749	705	729	960	0—
	f	330	2623	912	671	708	960	0—
	f	129	2630	979	648	—	958	0—
26.4	f	331	2650	740	618	631	980	0—
	f	130	2650	841	739	—	970	0—

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A-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mag.	L. No.
950	368	—	399	—	6.27	474 x
1000	790	778	790	798	7.56, 7.65	
970	782	790	807	814	7.76, 7.84	
942	740	745	787	791	7.56, 7.57	
950	875	850	922	896	off curve, off curve	
938	745	—	796	—	7.61	457 x
960	763	—	784	—	7.51	523 x
960	830	857	862	890	8.40, off curve	
962	843	—	874	—	8.56	
934	751	—	800	—	7.66	12 x
990	845	862	858	871	8.29, 8.51	
970	703	641	726	712	7.05, 6.96	
960	732	734	762	764	7.33, 7.34	
960	711	710	749	748	7.22, 7.21	
945	770	763	814	798	7.84, 7.65	
998	153	161	151	162	off curve, off curve	
985	903	920	918	934	off curve, off curve	
976	860	871	878	884	off curve, off curve	
969	712	720	735	743	7.12, 7.19	
950	877	870	923	917	off curve, off curve	
939	800	800	851	851	8.26, 8.26	
985	680	677	691	688	6.82, 6.80	
960	782	—	813	—	7.83	509 x
950	610	619	642	651	6.53, 6.58	
959	700	690	729	718	7.07, 6.99	
960	705	729	733	757	7.13, 7.28	
960	671	708	699	737	6.86, 7.13	
958	148	—	176	—	6.73	498 x
980	618	631	630	643	6.46, 6.53	
970	739	—	761	—	7.32	534 x

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1929phae.proj.12680

192 New Series

FMC Dept. D, 6 1929 RA 16h 5m

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
16.4	E	332	2640	880	761	780	967	0	
		18	1960	930	158	"	950	0	
		1	1882	572	958	"	1001	0	
		2	"	"	412	"	984	0	
		3	"	"	500	"	961	0	
		4	"	"	570	"	1011	0	
		5	"	"	602	"	981	0	
		6	"	"	713	"	953	0	
		7	"	"	739	"	960	0	
		8	"	"	841	"	988	0	

Plate finished

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1929phae.proj.1966

Obl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D.K.
967	741	780	787	806	755, 773	
950	768		766			
1001	358		367			
984	412		418			
961	570		520			
1011	570		664			
981	622		634			
953	713		748			
960	739		770			
988	841		862			

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1929phae.proj.1268C

194 New Series

Cruise BR 172 RH 866 Sept 10, 1929

FMC

Group	Class	Star	y	x	Defl.	Defl.	Cl	Dk. volt.
		1S	1970	955	055	—	1222	0 —
		1	1908	601	950	—	1232	0 —
		2	—	—	950	—	1200	0 —
		3	—	—	442	—	1168	0 —
		4	—	—	591	—	1210	0 —
		5	—	—	612	—	1190	0 —
		6	—	—	732	—	1155	0 —
		7	—	—	991	—	1180	0 —
		8	—	—	998	—	1190	0 —
16.8	f	25	1682	678	948	960	1140	0 —
	f	26	1690	739	933	908	1160	0 —
	f	27	1698	785	950	940	1150	0 —
	f	22	1688	983	671	—	1165	0 —
	f	28	1699	1020	733	735	1168	0 —
17.0	f	29	1710	838	988	1010	1163	0 —
	f	23	1700	985	821	—	1169	0 —
	f	30	1700	1058	1045	1068	1185	0 —
	f	31	1700	1349	1030	1012	1205	0 —
17.2	f	32	1731	510	855	861	1181	0 —
	f	33	1735	583	875	880	1190	0 —
	f	34	1720	632	968	963	1172	0 —
	f	35	1730	821	610	612	1122	0 —
	f	24	1732	831	1005	—	1170	0 —
	f	25	1729	1020	610	—	1181	0 —
	f	26	1730	1045	1020	—	1200	0 —
	f	27	1720	1403	1020	—	1212	0 —
17.4	f	28	1750	437	1062	—	1192	0 —
	f	29	1749	800	770	—	1170	0 —
	f	36	1758	851	800	811	1170	0 —
	f P	37	1771	909	950	—	1175	0 —

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Cl.-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	No.
1222	035	—	45	—		
1232	330	—	286	—		
1200	368	—	292	—		
1168	442	—	378	—		
1210	581	—	441	—		
1190	672	—	514	—		
1150	732	—	637	—		
1180	791	—	671	—		
1190	998	—	837	—		
1140	948	960	830	841	8.26, 8.34	
1160	983	908	805	783	8.13, 8.03	
1150	950	940	824	817	8.24, 8.28	
1165	671	—	576	—	6.86	1242 V
1168	733	735	627	629	7.17, 7.18	
1163	988	1010	846	874	8.35, 8.49	
1169	821	—	702	—	7.52	1246 V
1185	1045	1068	884	901	offcurve, offcurve	
1205	1020	1012	847	840	8.36, 8.32	
1181	863	861	723	729	7.72, 7.75	
1190	375	380	315	319	5.32, 5.28	
1172	968	963	825	822	8.23, 8.22	
1122	610	612	543	547	6.67, 6.68	
1170	1005	—	854	—	8.39	
1181	610	—	576	—	6.45	1279 V
1200	1020	—	851	—	8.37	
1212	1020	—	842	—	8.33	
1192	1062	—	892	—	offcurve	
1170	770	—	657	—	7.27	1109 V
1170	800	811	683	694	7.48, 7.55	
1175	950	—	807	—	8.14	1139 V

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New Series

FMC RH 866 Sept. 10, 1929

MRD.

Trip	Class	Star	y	x	Defl.	Defl.	Cl.	Bk.	volt.
17.4	f	38	1750	990	930	910	1182	0 —	
	f	30	1758	1010	950	—	1181	0 —	
	f	39	1750	1045	930	920	1177	0 —	
	f	31	1749	1122	429	—	1190	0 —	
	f	40	1750	1311	470	471	1209	0 —	
	f	32	1752	1407	960	—	1151	0 —	
17.6	f	41	1778	500	945	955	1190	0 —	
	f	42	1760	535	1039	1030	1180	0 —	
	f	43	1761	890	595	610	1180	0 —	
	f	33	1764	963	440	—	1162	0 —	
	f	44	1771	1125	806	810	1188	0 —	
	f	45	1772	1183	969	969	1191	0 —	
	f	46	1770	1405	710	685	1221	0 —	
	f	47	1759	1408	895	912	1220	0 —	
17.8	f	34	1781	380	990	—	1190	0 —	
	f	35	1782	456	889	—	1185	0 —	
	f	48	1790	870	969	950	1171	0 —	
	f	49	1790	888	909	911	1168	0 —	
	f	50	1787	902	640	633	1171	0 —	
MRD 18.0	f	51	1795	390	1000	990	1155	0 —	
	f	52	1810	605	410	423	1162	0 —	
	f	53	1805	650	915	920	1135	0 —	
	f	54	1800	685	640	640	1120	0 —	
	f	55	1805	892	875	885	1130	0 —	
	f	36	1810	1078	685	—	1110	0 —	
	f	37	1812	1233	820	—	1150	0 —	
18.2	f	38	1820	448	980	—	1180	0 —	
	f	56	1826	451	870	920	1119	0 —	
	f	57	1820	844	618	640	1100	0 —	
	f	39	1825	881	740	—	1080	0 —	

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1929phae.proj.12685

d.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	No.
1182	330	310	278	262	5.00, 4.88	
1181	950	—	802	—	8.10	f ✓
1177	930	920	798	784	8.08, 8.04	
1190	429	—	360	—	5.61	56 ✓
1209	470	471	388	389	5.78, 5.79	
1157	960	—	803	—	8.27	195 ×
1190	945	955	792	801	8.07, 8.12	
1180	1039	1030	880	872	off curve, 8.47	
1180	595	610	504	517	6.45, 6.52	
1162	440	—	378	—	5.72	no 3 sequence star
1188	808	810	678	681	7.50, 7.48	
1191	969	969	811	811	8.17, 8.17	
1221	710	685	582	562	6.90, 6.79	
1220	895	912	734	748	7.78, 7.85	
1190	990	—	831	—	8.27	3a ×
1185	889	—	767	—	7.85	926 ×
1171	969	950	826	812	8.24, 8.17	
1168	909	911	777	779	8.00, 8.02	
1171	640	633	548	542	6.69, 6.65	
1155	1000	990	868	773	8.45, 7.98	
1162	410	423	353	364	5.56, 5.65	
1135	915	920	803	808	8.12, 8.14	
1120	670	646	571	571	6.84, 6.84	
1130	875	885	773	782	7.98, 8.04	
1110	685	—	615	—	7.03	62 ✓
1160	820	—	713	—	7.66	118 ✓
1130	980	—	864	—	8.44	
1119	870	920	777	822	8.00, 8.23	
1100	618	640	520	581	6.77, 6.90	
1080	740	—	685	—	7.43	1171 ✓

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1929phae.proj.12681

198 New Series

MRD RH866 Sept 10, 1929

Strip	class	star	x	y	Dyff	Dxff	cl	Dx	Volt
		58	1825	960	895	930	1065	0—	
		59	1832	1095	485	505	1080	0—	
		60	1825	1276	735	755	1100	0—	
		15	1970	955	040	—	1030	0—	
		1	1908	601	290	—	1090	0—	
		2	—	—	292	—	1070	0—	
		3	—	—	275	—	1060	0—	
		4	—	—	470	—	1085	0—	
		5	—	—	525	—	1080	0—	
		6	—	—	655	—	1050	0—	
		7	—	—	690	—	1070	0—	
		8	—	—	900	—	1070	0—	
	Grp-	RH 866 - Sept 10, 1929							
		10	1970	955	011	—	1017	0—	520
		1	1908	601	268	—	1058	0—	
		2	—	—	319	—	1040	0—	
		3	—	—	354	—	1022	0—	
		4	—	—	451	—	1059	0—	
		5	—	—	520	—	1043	0—	
		6	—	—	637	—	1012	0—	
		7	—	—	673	—	1050	0—	
		8	—	—	877	—	1061	0—	
18.4		61	1850	610	247	259	1049	0—	
		40	1855	628	888	—	1060	0—	
		41	1840	1129	882	—	1061	0—	
		62	1839	1172	888	870	1039	0—	
		42	1848	1249	763	—	1058	0—	
18.6		63	1855	608	989	970	1067	0—	
		43	1861	524	832	—	1070	0—	

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1929phae.proj.1268

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Lt. Co.
1065	895	930	834	868	8.28, 8.45	
1080	485	505	448	468	6.13, 6.26	
1100	735	755	668	684	7.40, 7.50	
1030	040	—	39	—		
1090	290	—	267	—		
1076	292	—	273	—		
1060	375	—	353	—		
1085	470	—	434	—		
1080	525	—	486	—		
1050	655	—	622	—		
1070	690	—	644	—		
1070	900	—	840	—		
1017	011	—	11	—		
1058	268	—	254	—		
1040	319	—	306	—		
1022	364	—	346	—		
1059	451	—	426	—		
1043	520	—	498	—		
1012	637	—	628	—		
1060	673	—	641	—		
1061	877	—	826	—		
1049	247	253	235	242	4.62, 4.67	
1060	888	—	897	—	8.34	948 ✓
1061	882	—	830	—	8.31	
1029	888	870	821	806	8.16, 8.08	
1058	763	—	721	—	7.72	b ✓
1067	989	970	925	910	8.[illegible] 8.60	
1070	832	—	778	—	8.00	

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200 New Series

Hyp R H 866 - Sept 19, 1929

Hyp	Class	Star	γ	b	Dyfl	Dyff.	Cl	Dk	Volts
		44	1864	690	948	—	1057	0 —	
		64	1862	881	932	962	1050	0 —	
		65	1860	1212	870	888	1062	0 —	
		66	1869	1218	930	929	1069	0 —	
		67	1864	1431	914	920	1082	0 —	
18.8		68	1880	483	741	745	1075	0 —	
		45	1877	608	967	—	1070	0 —	
		69	1880	770	820	840	1059	0 -	
		70	1882	890	927	922	1050	0 —	
		71	1880	948	901	921	1054	0 —	
		72	1897	1051	880	891	1043	0 —	
		73	1882	1402	771	762	1072	0 —	
		74	1891	1418	650	707	1075	0 —	
		75	1880	1447	919	943	1100	0 -	
19.0		46	1898	412	897	—	1083	0 -	
		76	1899	419	869	931	1099	0 —	
		77	1910	720	989	972	1059	0 -	
		78	1908	839	663	671	1057	0 —	
		79	1900	903	758	729	1050	0 —	
		47	1910	1153	872	—	1072	0 —	
		48	1902	1351	779	—	1085	0 —	
		80	1912	1419	292	250	1102	0 —	
		81	1902	1491	741	799	1109	0 —	
		49	1901	1500	922	—	1116	0 —	
19.2		50	1932	420	877	—	1090	0 —	
		82	1926	481	789	807	1100	0 —	
		83	1921	603	873	876	1077	0 —	
		84	1926	823	843	840	1070	0 -	
		85	1930	910	903	932	1060	0 -	
		86	1919	991	659	665	1078	0 —	

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1929phae.proj.12681

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ks.
1067	948	—	894	—	off curve	975 x
1050	932	962	888	917	8.47, 8.61	
1062	870	888	818	836	8.15, 8.23	
1069	930	923	869	862	8.38, 8.36	
1082	914	920	844	849	8.27, 8.30	
1075	741	745	689	692	7.53, 7.55	
1070	967	—	902	—	off curve	
1059	820	840	773	793	7.93, 8.03	
1050	927	922	880	876	8.08, 8.44	
1054	901	921	856	875	8.34, 8.43	
1043	880	891	813	823	8.13, 8.18	
1072	771	762	719	710	7.70, 7.65	
1075	650	707	604	658	7.05, 7.38	
1100	919	943	833	868	8.22, 8.35	
1083	897	—	828	—	8.29	892 x
1099	869	931	790	848	8.01, 8.29	
1059	989	972	934	920	off curve, 8.63	
1057	663	671	628	634	7.20, 7.25	
1050	758	729	720	692	7.71, 7.55	
1072	872	—	813	—	8.22	h v
1085	479	—	442	—	6.03	1183 x
1102	232	250	210	227	4.39, 4.55	
1109	741	799	669	720	7.44, 7.70	
1116	922	—	828	—	8.29	
1090	877	—	802	—	8.14	880 x
1100	789	807	717	733	7.88, 8.25	1183
1077	873	876	810	812	8.11, 8.12	
1070	843	840	787	783	8.00, 7.98	
1060	903	932	862	880	8.32, 8.44	
1078	659	665	610	617	7.09, 7.13	

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1929phae.proj.12682

202 New Series

2190 – RH 866 – Sept 10, 1929

Strip	Class	Star	ν	ż	Diff	Diff	ν	dk	Obs
		87	1929	1007	964	979	1070	0	—
		88	1920	1110	610	613	1080	0	—
		89	1919	1406	673	682	1109	0	—
		57	1931	1487	769	—	1121	0	—
19.4		90	1940	940	950	957	1100	0	—
		91	1951	533	688	688	1093	0	—
		52	1954	611	950	—	1097	0	—
		53	1940	663	960	—	1089	0	—
		92	1950	699	947	951	1093	0	—
		93	1951	740	917	952	1079	0	—
		94	1949	769	790	800	1101	0	—
		54	1951	872	1017	—	1082	0	—
		95	1950	877	908	924	1019	0	—
		55	1940	1027	899	—	1075	0	—
		96	1940	1057	832	831	1093	0	—
		97	1953	1060	693	712	1089	0	—
		98	1950	1031 ? 2	932	952	1100	0	—
		99	1951	1400	857	831	1140	0	—
		1S	1970	955	090	—	948	0	—
		1	1908	601	305	—	1100	0	—
		2	—	—	331	—	1081	0	—
Continued in		3	—	—	419	—	1080	0	—
Bk. 69 pg. 2		4	—	—	506	—	1110	0	—
		5	—	—	573	—	1099	0	—
		6	—	—	689	—	1060	0	—
		7	—	—	751	—	1099	0	—
		8	—	—	933	—	1110	0	—
FMC Sept. 11, 1929		1S	1970	951		—			
omit		1	1908			—			
		2	—	—		—			

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1929phae.proj.12680

Cl. Dk.	Defl.-Dk.	Dfl Df.	Reduced	Reduced	Magn. Diff.	
1070	964	979	901	915	8.53, 8.60	
1080	610	613	564	567	6.80, 6.82	
1109	673	682	607	614	7.07, 7.13	
1121	769	—	685	—	7.52	206
1100	960	957	864	871	8.37, 8.41	
1098	688	688	630	630	7.22, 7.22	
1097	950	—	866	—	8.48	893
1089	960	—	880		8.54	
1093	947	961	866	870	8.37, 8.40	
1079	917	952	851	882	8.31, 8.45	
1101	790	800	717	726	7.68, 7.73	
1082	1017	—	950	—	off curve	
1019	908	924	892	909	8.49, 8.54	
1075	899	—	839	—	8.32	105
1093	832	831	763	762	7.89, 7.88	
1089	693	712	636	654	7.25, 7.35	
1100	932	952	849	864	8.29, 8.38	
1140	857	831	752	730	7.85, 7.74	
978	096	—	95	—		
1100	305	—	277	—		
1081	331	—	306	—		
1080	419	—	387	—		
1110	506	—	465	—		
1099	573	—	522	—		
1060	669	—	615	—		
1099	751	—	684	—		
1110	933	—	840			

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1929phae.proj.1268

204 New Series ƒ mc R# 866

Strip	Class	Star	y	x	Dyfl.	Dyfl.	cl	Dk	Bolt
		3	—	—		—			
		4	—	—		—			
		5	—	—		—			
		6	—	—		—			
		7	—	—		—			
		8	—	—		—			

19.6

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1929phae.proj.1268c

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1929phae.proj.12680

206 Red Series

FMC RH 1484 Sept 23, 1929

Cont from 69, 54

Secs	class	star	y	x	Diff	Diff	cl	Dh	Volt
		15	2080	801	809	—	1965	070	
		1	1748	660	689	—	1998	071	
		2	—	—	865	—	2035	071	
		3	—	—	981	—	2017	072	
		4	—	—	1130	—	2002	071	
		5	—	—	1300	—	2008	074	
		6	—	—	1519	—	2001	080	
		7	—	—	1612	—	2032	080	
		8	—	—	1925	—	2018	080	
18.6	f	23	1861	420	1810	—	2025	080	
	f	24	1861	1128	1490	—	2039	081	
	f	28	1870	1138	1830	1850	2040	080	
	f	25	1868	1240	1718	—	2058	080	
18.8	f	29	1882	460	1211	1223	2070	080	
	f	30	1880	950	1870	1859	2048	080	
19.0	f	26	1911	142	1821	—	2028	081	
	f	31	1901	412	1699	1683	0027	081	
	f	27	1912	528	1880	—	2039	081	
	f	32	1909	1068	1549	1531	2038	082	
	f	33	1911	1080	1245	1259	2070	085	
	f	34	1899	1140	908	860	2060	085	
19.2	f	35	1919	315	1559	1570	2045	081	
	f	28	1920	377	1680	—	2030	085	
	f	36	1920	955	1260	1260	2060	090	
	f	37	1920	1042	1693	1660	2030	090	
	f	38	1921	1120	1568	1569	2025	090	
19.4	f	29	1940	192	1802	—	2020	090	
	f	39	1945	288	1849	1840	2050	090	
	f	40	1940	442	1840	1841	2030	090	
	fp	30	1940	882	1650	—	2010	090	
	f	31	1950	1057	1440	—	2040	090	

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1929phae.proj.12685

Cl–Dk	Defl–Dk	Defl–Dk	Red Defl	Red Defl	Mag	L. No
1895	239	—	127	—		
1927	618	—	321	—		
1964	794	—	403	—		
1945	909	—	467	—		
1931	1659	—	647	—		
1934	1226	—	633	—		
1921	1439	—	750	—		
1952	1532	—	785	—		
1938	1845	—	962	—		
1945	1730	—	888	—	7.95	748 v
1958	1409	—	719	—	6.99	1208 x
1960	1750	1770	893	903	797, 8.02	
1978	1638	—	827	—	7.60	
1940	1131	1143	583	589	6.30, 6.31	
1968	1790	1779	909	902	8.05, 8.01	
1947	1740	—	892	—	7.97	683 x
1946	1618	1602	831	824	7.63, 7.58	
1958	1799	—	919	—	8.12	765 v
1951	1467	1449	752	742	7.20, 7.13	
1985	1160	1174	584	593	6.30, 6.34	
1975	823	775	417	393	5.40 5.24	
1964	1478	1489	752	757	7.20, 7.21	
1945	1595	—	820	—	7.56	713 v
1970	1170	1170	594	594	6.35, 6.35	
1940	1603	1570	827	808	7.60, 7.48	
1935	1478	1479	764	765	7.25, 7.26	
1930	1712	—	888	—	7.95	681 x
1960	1759	1750	896	892	7.99, 7.97	
1940	1750	1751	903	904	8.03, 8.04	
1920	1560	—	813	—	7.52	1171 x
1950	1350	—	693	—	6.84	1242 v

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1929phae.proj.1268

208 New Series

Inc RH 1484 Sept 23, 1929

MRD

Strip.	Class	Star	α	φ	Diff	Diff	c	Dα	Volt.
19.4	f	32	1951	1080	1609	—	2019	091	
19.6	f	41	1962	250	910	900	2015	090	
	f	33	1960	270	1810	—	2017	090	
	f	34	1965	715	1759	—	2006	090	
	f	35	1959	1049	1691	—	2048	090	
	f	42	1963	1196	1730	1732	2020	090	
19.8	f	43	1995	090	1838	1848	2030	091	
20.0	f	36	2009	141	629	—	0010	093	
	f	44	2012	570	1879	1890	2011	093	
	f	37	2010	1012	1762	—	2019	090	
	f	38	2001	1040	1350	—	2029	090	
	f	45	2010	1111	1830	1831	2010	091	
	f	39	2010	1205	1760	—	2038	091	
20.2	f	40	2032	160	1722	—	2009	092	
	f	46	2020	670	1760	1741	2001	100	
	f	47	2039	1050	1290	1282	2020	098	
MRD 20.4	f	41	2047	353	1593	—	2000	090	
	f	~~48~~	2040	1051	1260	1261	1995	089	
	f	49	2040	1203	1760	1730	1990	100	
	f	50	2040	1220	1620	1612	1993	099	
20.6	f	42	2070	420	1329	—	1982	088	
	f	43	2062	537	1289	—	1985	090	
	f	51	2073	560	1145	1130	1988	092	
	f	52	2060	853	1550	1555	1982	089	
	f	44	2055	1232	1575	—	1995	095	
20.8	f	53	2090	342	1780	1781	1975	095	
	f	54	2078	585	1345	1330	1975	095	
	f	45	2093	1000	1570	—	1966	092	
	f	55	2086	1100	1600	1598	1967	100	
	f	56	2089	1275	1700	1720	1970	100	

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1929phae.proj.1268c

Cl–Dk	Defl Dk	Defl Dk	Red Defl	Red Defl	Mag	L.No
1928	1418	—	735	—	7.08	1251 v
1925	820	810	427	422	6.47, 6.44	
1927	1720	—	893	—	7.93	679 v
1916	1669	—	872	—	7.86	2r x
1958	1601	—	817	—	7.53	1246 v
1930	1640	1642	850	852	7.72, 7.74	
1939	1747	1757	901	905	8.01, 8.03	
1917	536	—	803	—	7.46	660 x
1918	1786	1797	932	938	8.21 8.24	
1929	1672	—	868	—	7.84	f v
1939	1260	—	650		6.61	1279 v
1919	1739	1740	906	907	8.03, 8.04	
1947	1669	—	857	—	7.77	8 x
1917	1630	—	860		7.72	647 x
1901	1660	1641	873	864	7.87, 7.82	
1922	1192	1184	620	616	6.45, 6.43	
1910	1503	—	788	—	7.39	642 v
1906	1171	1172	614	615	6.39, 6.40	
1890	1660	1630	878	863	7.85, 7.82	
1894	1521	1513	804	799	7.47, 7.43	
1894	1241	—	657	—	6.65	625 v
1895	1199	—	632		6.52	627 v
1896	1053	1038	557	546	6.17, 6.10	
1893	1461	1466	774	775	7.31, 7.32	
1900	1480	—	778	—	7.33	23 x
1880	1685	1686	897	898	8.00, 8.01	
1880	1250	1235	666	657	6.71, 6.64	
1874	1478	—	788	—	7.39	62 v
1867	1500	1498	803	802	7.47, 7.46	
1870	1600	1620	867	867	7.77, 7.82	

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1929phae.proj.12682

210 MRD R+1484, Sept 23, 1929

	Stup Class	Star	n	r	Defe	Defl	el	Dla
		1S	2080	801	300	—	1900	100
		1	1748	660	652	—	1955	100
		2	—	—	778	—	1980	100
		3	—	—	982	—	1972	099
		4	—	—	1064	—	1960	098
		5	—	—	1230	—	1960	100
		6	—	—	1470	—	1955	100
		7	—	—	1555	—	1980	101
		8	—	—	1850	—	1960	101
1mc Sept 24, 29 R+1484		1S	2080	870	270	—	1863	053
		1	1748	725	630	—	1880	053
		2	—	—	750	—	1900	053
		3	—	—	930	—	1895	053
		4	—	—	1019	—	1871	053
		5	—	—	1160	—	1869	053
		6	—	—	1420	—	1880	053
		7	—	—	1529	—	1890	053
		8	—	—	1740	—	1880	053
21.0	fp	46	2100	410	1280	—	1890	055
	f	57	2119	490	1410	1409	1868	055
	f	58	2112	740	1662	1650	1858	060
	f	59	2111	972	875	862	1875	060
	fp	47	2100	1150	768	—	1900	060
	fp	48	2110	1300	1220	—	1929	060
21.2	f	60	2130	260	1389	1372	1888	060
	f	61	2131	1273	1698	1700	1915	060
21.4	fp	49	2149	421	1552	—	1883	060
	f	62	2140	670	1621	1598	1871	062
21.6	f	63	2160	412	1540	1530	1871	069
21.8	fp	50	2182	736	1510	—	1889	069

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1929phae.proj.1268c

Cl-Dk	Deff-Dk	Dfl-Dk	Red Dfl	Red Dfl	Mag	L N O
1800	220	—	122	—		
1855	552	—	097	—		
1880	678	—	361			
1873	883	—	472	—		
1862	966	—	520	—		
1860	1130	—	608	—		
1855	1370	—	738	—		
1879	1454	—	774	—		
1859	1749	—	941	—		
1810	217	—	120	—		
1827	577	—	317	—		
1847	697	—	377	—		
1842	877	—	476	—		
1818	966	—	533	—		
1816	1107	—	610	—		
1827	1364	—	744	—		
1837	1476	—	803	—		
1827	1687	—	922	—		
1835	1225	—	667	—	6.68	606 v
1813	1355	1364	748	747	7.14, 7.13	
1798	1602	1590	891	883	8.09, 8.03	
1815	815	802	448	443	5.65, 5.61	
1840	708	—	385	—	5.26	56 v
1869	1160	—	621		6.46	51 x
1828	1329	1312	726	718	7.03, 6.97	
1855	1638	1640	881	883	8.02, 8.03	
1823	1492	—	819		7.56	587 v
1809	1059	1536	861	848	7.89, 7.78	
1802	1471	1461	817	812	7.57, 7.52	
1820	1441	—	792		7.41	570 v

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fmc RH1484 Sept 24, '29

MRD

New Series

Sup	class	star	y	x	Dep	Dep	cl	Zh	Volts
21.8	f	64	2190	970	1565	1543	1870	070	
	f	65	2190	993	1711	1730	1868	070	
	p	51	2190	1228	1702	—	1882	069	
22.0	f	66	2209	560	1698	1680	1860	070	
	f	67	2210	660	1380	1403	1870	070	
	f	68	2200	918	1690	1700	1860	070	
	f	69	2201	932	1580	1589	1879	070	
	f	70	2201	960	1380	1390	1870	070	
	p	52	2211	1029	1673	—	1869	070	
22.2	f	71	2220	621	1400	1390	1873	070	
	f	72	2230	640	1549.	1530	1862	070	
	f	73	2230	960	1210	1220	1868	070	
	f	74	2222	1100	1710	1711	1859	070	
	f	75	2231	1139	1701	1678	1872	070	
	p	53	2220	1160	1583	—	1879	070	
22.6	p	54	2259	1132	1610	—	1879	071	
22.8	f	76	2290	509	932	920	1872	071	
	f	77	2280	551	1635	1642	1870	071	
	f	78	2279	909	1670	1660	1831	071	
	p	55	2299	992	1015	—	1871	071	
23.0	p	56	2301	367	1729	—	1869	071	
	p	57	2310	732	1179	—	1858	071	
	f	79	2307	1201	1215	1229	1903	072	
	f	80	2300	1230	1667	1692	1915	072	
23.2	p	58	2320	360	822	—	1869	072	
23.4	f	81	2345	580	1641	1640	1861	073	
	p	59	2350	790	1608	—	1860	075	
MRD	f	82	2357	1060	1101	1112	1840	075	
23.6	f	83	2365	331	1400	1385	1851	079	
	f	84	2370	735	1650	1640	1815	081	

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El.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Wks.
1800	1495	1473	832	818	7.67, 7.56	
1798	1641	1668	914	923	8.24, 8.31	
1813	1633	—	902	—	8.14	90 v
1790	1628	1610	910	898	8.21, 8.12	
1800	1310	1333	728	742	7.03, 7.12	
1790	1620	1630	904	911	8.17, 8.23	
1809	1510	1519	835	840	7.69, 7.72	
1800	1310	1320	728	733	7.02, 7.06	
1799	1603	—	892		8.08	h v
1803	1330	1320	737	733	7.08, 7.06	
1792	1479	1460	825	814	7.62, 7.53	
1793	1148	1150	637	642	6.53, 6.56	
1789	1640	1641	917	918	8.26, 8.25	
1802	1631	1608	905	892	8.17, 8.09	
1809	1513	—	837	—	7.70	118 v
1808	1539	—	852		7.81	b v
1801	861	849	478	472	5.78, 5.76	
1799	1584	1571	872	874	7.95, 7.97	
1760	1599	1589	909	903	8.20, 8.13	
1800	944	—	524	—	6.00	205 v
1798	1658	—	922	—	8.29	541 v
1787	1108	—	620	—	6.44	376 v
1831	1143	1159	625	633	6.47, 6.52	
1843	1695	1620	868	879	7.42, 8.00	
1797	760	—	418	—	5.47	536 x
1588	1568	1567	986	985	off curve, off curve	
1786	1533	—	868		7.85	338 v
1765	1036	1037	588	589	6.30, 6.31	
1772	1321	1306	746	738	7.13, 7.08	
1734	1569	1559	904	897	8.17, 8.11	

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New Series

strip	Class	Star	y	x	Defl	Defl	Cl	Dk
	f	85	2377	911	1660	1660	1815	80
	fp	60	2376	915	1590	—	1825	81
	p	61	2375	1147	950	—	1820	77
	f	86	2370	1209	890	892	1837	75
23.8	f	87	2379	293	1655	1635	1830	75
	fp	62	2380	362	1500	—	1830	80
24.0	p	63	2400	253	1520	—	1842	80
	p	64	2405	911	1108	—	1800	82
	p	65	2402	1014	1185	—	1821	82
	f	88	2399	1192	1480	1465	1825	82
		15	2080	870	280	—	1795	80
		1	1748	725	600	—	1810	80
		2	—	—	700	—	1830	75
		3	—	—	913	—	1825	75
		4	—	—	961	—	1830	76
		5	—	—	1170	—	1820	80
		6	—	—	1363	—	1809	78
		7	—	—	1437	—	1838	80
		8	—	—	1680	—	1815	75
FMC RH 1484 Sept 25, 1929		15	2080	860	259	—	1988	028
		1	1748	719	621	—	2002	029
		2	—	—	725	—	2030	030
		3	—	—	920	—	2029	030
		4	—	—	1059	—	2013	031
		5	—	—	1268	—	2018	032
		6	—	—	1513	—	2020	035
		7	—	—	1600	—	2050	039
		8	—	—	1859	—	2015	035
24.2	f	89	2420	331	1320	1319	2025	039
	f	90	2423	440	1800	1772	2020	040

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El.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Lib.	
1735	1580	1569	941	898	8.23, 8.11		
1744	1508	—	864	—	8.23	274	v
1743	873	—	502	—	5.89	183	x
1762	815	817	463	464	5.74, 5.75		
1756	1580	1560	849	888	8.12, 8.07		
1750	1420	—	812	—	7.53	529	x
1762	1448	—	817	—	7.56		x
1720	1028	—	597	—	6.35	279	v
1739	1103	—	635	—	6.53	240	v
1743	1398	1383	802	795	7.46, 7.43		
1715	208	—	117	—			
1730	520	—	301	—			
1755	625	—	357	—			
1750	838	—	479	—			
1754	885	—	504	—			
1740	1090	—	627	—			
1737	1285	—	743	—			
1758	1359	—	772	—			
1741	1605	—	923	—			
1960	231	—	118	—			
1973	592	—	300	—			
2000	695	—	348	—			
1999	890	—	447	—			
1982	1023	—	518	—			
1986	1236	—	623	—			
1985	1478	—	745	—			
2011	1561	—	778	—			
1980	1824	—	922	—			
1986	1251	1280	647	646	6.75, 6.74		
1980	1760	1732	888	875	8.05, 8.02		

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New Series

Strip	class	star	y	x	Defl	Defl	c	Dk Volt
24.2	f	66	2420	550	1620	—	2000	040
	f	91	2430	589	1829	1828	2021	045
	f	67	2435	890	1109	—	2025	049
	f	92	2420	1090	1431	1419	2059	041
24.4	f	93	2440	438	1540	1530	2029	052
	f	68	2455	460	1109	—	2005	051
	f	94	2451	469	1808	1820	2040	052
	f	95	2449	860	1748	1730	2012	052
24.6	f	96	2460	779	1689	1690	1991	058
24.8	f	69	2485	869	1645	—	2020	059
	f	70	2480	990	1742	—	2002	058
25.0	f	71	2500	340	1560	—	2025	055
	f	72	2515	595	1511	—	2020	058
	f	97	2504	929	1620	1590	2020	059
	f	73	2502	1186	1675	—	2040	060
25.2	f	98	2520	670	1825	1820	2022	059
	f	74	2531	742	1820	—	2042	060
	f	75	2535	1051	1819	—	2049	060
	f	99	2532	1068	1530	1513	2020	060
	f	76	2531	1101	550	—	2045	058
25.4	f	77	2540	569	970	—	2071	051
	f	100	2550	890	1782	1780	2012	055
	f	101	2541	1013	1482	1453	2036	058
25.6	f	102	2570	950	1410	1380	2019	060
	f	103	2568	1002	1215	1245	2010	060
	f	78	2571	1120	761	—	2030	060
25.8	f	79	2592	942	1305	—	2019	060
26.0	f	104	2612	562	1000	1000	2012	060
	f	105	2607	773	1692	1659	1990	060
	f	106	2603	913	1229	1221	2020	060

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O.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Lick
1960	1580	—	807	—	7.53	451 ✓
1976	1784	1783	903	902	8.20, 8.19	
1982	1066	—	538	—	6.06	294 ✓
2018	1390	1372	689	681	6.97, 6.92	
1977	1488	1498	752	756	7.03, 7.06	
1954	1058	—	541	—	6.06	474 ✓
1988	1756	1768	882	884	8.05, 8.09	
1960	1696	1678	865	856	7.96, 7.91	
1933	1631	1632	845	845	7.84, 7.84	
1961	1586	—	808	—	7.53	29 ✓
1944	1684	—	867	—	7.92	264 ✓
1970	1505	—	764	—	7.26	498 ✓
1962	1453		741		7.10	420 ✓
1961	1561	1531	797	782	7.57, 7.49	
1980	1615	—	817	—	7.58	206 ✓
1963	1766	1761	898	896	8.15, 8.14	
1982	1760	—	887	—	8.07	
1989	1759		885	—	8.05	225 ✓
1960	1470	1453	751	742	7.32, 7.26	
1987	492	—	247	—	4.50	239 ✓
2020	919	—	456	—	5.80	426 ✓
1957	1727	1725	882	881	8.05, 8.04	
1978	1424	1395	722	707	7.15, 7.07	
1959	1350	1320	688	674	6.96, 6.89	
1950	1155	1215	593	623	6.47, 6.63	
1970	701	—	356	—	5.36	242 ✓
1959	1246		637	—	6.53	297 ✓
1952	940	940	483	483	6.17, 5.97	
1930	1632	1599	847	828	7.86, 7.74	
1960	1169	1161	597	593	6.49, 6.47	

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Strip	class	star	y	x	Dye	Dye	ℓe	Dh	Dell
26.2	f	107	2619	1032	1785	1780	2040	061	
		15	2080	860	290	—	2040	060	
		1	1748	719	645		2058	060	
		2	—		705	—	2059	059	
		3	—	—	905	—	2039	060	
		4	—	—	1085	—	2020	060	
		5	—	—	1239	—	2010	060	
		6	—	—	1530	—	2029	061	
		7	—	—	1621	—	2035	061	
		8	—	—	1870	—	2029	061	

Plate finished

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1929phae.proj.12682

Obl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. L. Ko.
1979	1724	—	872	—	8·00, 8·00
1980	230	—	116	—	
1998	585	—	293	—	
2005	646	—	323	—	
1979	845	—	427	—	
1960	975	—	498	—	
1960	1179	—	605	—	
1968	1469	—	746	—	
1974	1560	—	790	—	
1968	1809	—	920	—	

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1929phae.proj.1268c

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