



V.S.S. CIRCULAR No. 191(cont).

JD.	MAG.	JD.	MAG.	JD.	MAG.	JD.	MAG.	JD.	MAG.
2,439,000+									
T Ori		AA Ori		AH Ori		AN Ori		KN Ori	
053005		2,438,000+		2,439,000+		2,438,000+		2,438,000+	
184.99	10.1	785.97	<12.8	000.20	<12.0	816.98	11.3	819.93	<11.5
193.97	10.1	816.97	<12.3	049.10	12.5	817.96	11.1	824.97	<12.6
195.92	10.4	817.96	<12.8	107.06	13.0	819.91	10.1	825.93	<12.6
196.97	10.3	819.92	<12.0	144.06	12.8	824.94	11.3	830.94	<12.6
201.90	10.4	824.93	12.0	150.03	11.7	825.89	11.3	2,439,000+	
202.91	10.2	825.91	13.0	169.09	13.6	830.91	11.3	049.11	<12.6
.95	10.1	830.93	<12.8	182.93	11.6	840.90	11.2	169.09	13.5
215.93	10.0	840.91	<12.7	201.91	12.8	2,439,000+		182.93	<11.6
224.94	10.0	977.23	<12.0	233.84	<12.6	000.19	11.2	201.91	<12.6
229.93	10.1	2,439,000+		237.87	12.8	049.13	11.2	415.05	<12.6
233.83	9.5	000.18	<12.0	265.80	12.6	095.01	11.8		
237.85	9.7	025.10	<11.6	415.05	<12.6	108.06	11.9		
.91	10.0	030.09	<11.6	AI Ori		119.07	11.9	2,438,000+	
245.91	10.1	049.14	<12.8	2,438,000+		127.00	11.8	816.97	<12.0
265.79	9.7	145.00	<11.9	819.93	<11.5	144.03	11.9	817.96	<12.8
331.22	10.6	150.00	<11.9	824.96	12.6	150.03	11.8	824.94	<12.0
349.19	10.5	182.91	<13.2	825.93	12.4	182.92	10.7	825.90	13.0
415.06	10.4	195.93	<11.9	840.92	<12.6	193.97	11.9	830.92	<12.4
2,440,000+		201.93	<12.4	2,439,000+		195.92	10.7	840.90	<12.8
176.2	9.4	233.83	<12.0	000.20	<12.0	201.90	10.9	977.23	9.1 Flare?
178.05	9.7	237.86	<12.6	049.10	<12.6	202.95	11.7	2,439,000+	
186.04	10.4	265.79	<11.9	169.09	12.6	215.93	11.6	000.17	9.3 Flare?
187.11	10.0	331.23	<11.9	183.93	<11.6	224.94	11.9	024.11	<12.3
TU Ori.		349.20	<11.9	201.91	12.6	229.93	12.0	025.20	<11.6
2,438,000+		415.05	<12.3	233.84	<12.6	229.93	12.0	049.12	<12.6
785.98	<12.8	467.07	<11.9	237.87	12.8	233.83	11.6	182.91	<13.2
816.99	<12.3	AE Ori		265.80	<12.6	237.91	11.7	201.92	<12.6
817.97	<12.3	2,438,000+		415.05	12.6	265.83	11.4	233.84	<12.0
819.92	<12.0	785.98	<12.8	AK Ori		331.22	11.5	265.79	<11.9
824.94	<12.0	813.01	<12.3	2,438,000+		349.19	11.3	415.07	<11.9
825.90	12.3	816.99	<12.3	813.01	11.9	415.06	11.6	467.06	<11.9
830.94	<12.4	817.97	<12.3	816.96	12.2	2,440,000+		KQ Ori	
840.91	<12.4	819.92	<12.0	817.95	<11.6	176.02	11.0	2,438,000+	
2,439,000+		824.94	<12.0	918.92	<12.0	178.05	10.8	825.92	<12.7
000.17	<12.0	825.90	<12.6	824.94	<12.0	186.04	11.1	830.93	<12.4
024.11	<12.3	830.94	<12.4	825.90	<12.8	187.10	11.0	840.90	<12.8
048.11	12.3	840.91	<12.4	840.90	<12.8	AO Ori		2,439,000+	
145.00	<12.9	977.23	<12.0	975.19	<12.3	2,439,000+		049.12	<12.6
149.99	<12.7	2,439,000+		977.22	<12.0	025.1	<11.6	182.91	<13.2
182.90	<13.2	000.17	<12.0	2,439,000+		331.22	11.9	201.92	<12.6
195.92	<11.9	024.11	<12.3	000.16	12.0	AQ Ori		233.83	<12.0
233.84	<12.0	049.12	<12.7	024.10	<12.3	2,438,000+		415.07	<11.9
237.86	<12.6	145.00	<12.9	025.19	<11.6	816.98	<12.8	KS Ori	
265.81	<12.6	149.99	<12.7	030.08	<11.6	825.92	<12.8	2,438,000+	
331.22	<12.7	182.90	<13.2	049.08	12.2	830.92	<12.8	825.92	11.0
415.04	<11.9	195.92	<11.9	144.99	<11.9	2,439,000+		830.93	11.1
467.06	<11.9	233.83	<12.0	149.98	<11.9	000.19	<12.0	840.90	9.7
TV Ori		237.86	<12.6	153.08	<11.9	049.13	<12.8	2,439,000+	
2,438,000+		265.81	<12.6	182.89	<11.9	182.92	<12.3	049.12	10.4
819.93	<11.5	331.22	<12.7	195.92	<11.9	201.93	<11.9	061.27	10.4
830.94	<12.6	415.04	<11.9	201.90	<11.9	415.06	<11.9	108.05	10.4
840.92	<12.6	467.06	<11.9	233.83	<12.0	2,438,000+		119.05	10.4
2,439,000+		AH Ori		237.85	<12.0	825.92	12.7	126.99	10.2
049.11	13.0?	2,438,000+		265.79	<11.9	830.93	12.2	144.02	10.4
150.03	<11.7	817.98	11.4	331.21	<11.9	840.90	12.4	150.02	10.4
182.93	<12.6	819.93	<11.5	349.19	<11.9	2,439,000+		158.00	10.2
415.05	<12.6	824.96	12.0	415.03	<11.9	049.12	11.9	163.98	10.4
		825.93	12.2	467.06	<11.9	182.91	<13.2	173.00	10.4
		830.94	12.4			201.92	12.4	177.99	10.5
		840/92	12.2			233.83	<12.0	182.91	11.3
						415.07	<11.9	184.98	10.6
								193.96	10.7



## V.S.S. CIRCULAR No;191 (cont).

<u>JD.</u>	<u>MAG.</u>	<u>JD.</u>	<u>MAG.</u>	<u>JD.</u>	<u>MAG.</u>	<u>JD.</u>	<u>MAG.</u>	<u>JD.</u>	<u>MAG.</u>
MR Ori		MX Ori		NU Ori		NV Ori		V358 Ori	
2,439,000+		2,438,000+		2,438,000+		2,439,000+		2,438,000+	
193.97	11.1	819.92	10.2	017.1	7.0	119.06	10.0	817.0	11.8
195.92	10.5	824.95	9.8	818.0	7.1	127.00	9.8	825.9	12.4
196.97	10.5	825.93	9.9	819.9	7.6	144.03	10.1	830.9	<12.8
201.90	10.6	830.93	9.9	825.0	7.5	145.00	9.6	840.9	12.8
202.91	10.7	840.92	10.5	.9	7.3	149.99	9.7	2,439,000+	
.95	10.6	2,439,000+		830.9	7.2	150.03	9.7	000.18	<12.0
215.92	11.2	000.20	10.0	840.9	7.5	153.08	9.7	049.13	12.6
224.93	11.5	025.20	9.7	2,439,000+		158.01	9.6	107.06	12.9
229.92	11.1	049.11	9.9	000.20	7.1	163.99	9.9	182.92	<12.3
233.83	11.3	150.02	10.1	025.20	7.2	173.01	10.1	201.93	12.4
237.86	10.9	182.93	9.9	049.10	7.1	178.00	10.0	233.83	<12.0
.91	11.6	201.91	10.2	108.05	7.0	182.92	9.7	V360 Ori	
265.80	11.4	202.92	9.9	119.06	7.0	184.99	10.1	2,438,000+	
331.22	10.6	233.84	10.2	127.00	7.0	193.97	10.0	819.9	11.5
349.19	10.7	237.87	10.5	144.03	7.0	195.92	9.5	825.0	11.9
415.04	10.7	265.80	10.2	145.01	7.0	196.97	9.9	.9	12.0
467.06	10.5	415.05	10.1	150.00	7.3	201.90	9.7	830.9	12.4
2,440,000+		2,440,000+		.03	7.1	202.91	9.6	840.9	12.4
176.01	10.6	176.01	9.1	153.08	7.5	.95	9.9	2,439,000+	
178.05	10.8	178.05	9.5	158.01	7.0	215.93	9.9	000.20	<12.0
186.03	10.7	186.03	9.5	163.99	7.1	224.94	10.1	049.10	12.6
187.11	10.6	187.11	9.6	169.09	8.1	229.92	9.9	150.03	11.7
MS Ori		NP Ori		173.01	7.1	233.82	9.5	182.93	11.4
2,438,000+		2,438,000+		177.99	7.1	237.85	9.6	201.91	12.4
819.93	<11.5	817.98	11.7	182.93	7.1	.91	9.9	233.84	<12.6
824.97	<12.6	819.92	11.4	184.99	7.1	245.91	10.0	237.87	<12.6
825.93	<12.6	824.96	11.7	193.97	7.0	265.79	9.7	265.80	<12.6
830.94	<12.6	825.93	12.0	195.92	7.3	331.23	9.6	415.05	12.4
840.92	<12.6	830.93	12.2	201.91	7.1	349.19	9.7	V361 Ori	
2,439,000+		840.92	12.0	202.91	7.1	353.19	9.6	2,438,000+	
049.12	<12.6	2,439,000+		.95	7.0	415.06	10.2	017.1	8.1
201.92	<12.6	000.20	11.9	215.93	7.1	467.07	10.9	786.0	9.5
237.87	<12.0	025.21	11.6	224.93	6.7	2,440,000+		813.0	8.3
415.05	<12.6	049.10	12.1	229.92	7.1	176.02	9.2	817.0	9.1
MV Ori		107.06	13.3	233.83	7.3	178.05	9.7	818.0	9.3
2,438,000+		144.06	12.4	237.86	6.9	186.04	9.8	819.9	9.3
785.98	<12.8	150.02	11.5	.91	7.1	187.11	9.5	824.9	9.3
813.01	<12.3	169.09	13.0	245.91	7.0	NZ Ori		825.9	9.3
816.99	<12.3	182.93	11.3	265.80	7.2	2,438,000+		830.9	8.3
817.97	<12.3	201.91	12.0	321.23	7.0	816.98	<12.8	840.9	8.9
819.92	<12.0	232.85	12.6	331.23	6.8	830.92	<12.8	975.2	8.3
824.94	<12.0	237.87	12.2	349.20	6.8	2,439,000+		976.2	8.7
825.90	<12.6	265.80	12.4	358.19	6.9	000.19	<12.0	2,439,000+	
830.94	<12.4	415.05	12.2	415.06	6.9	049.13	<12.8	000.16	8.9
840.91	<12.4	NQ Ori		2,440,000+		182.92	<12.3	024.11	9.1
2,439,000+		2,438,000+		176.01	7.3	201.93	<11.9	025.18	8.3
000.17	<12.0	817.98	<12.0	178.05	7.5	331.22	<11.9	030.07	8.9
024.11	<12.3	819.93	<11.5	186.04	7.1	415.06	<11.9	049.08	8.1
049.12	<12.7	824.95	11.5	187.10	7.2	V356 Ori		108.06	8.8
144.99	12.3	825.93	12.0	NV Ori		2,438,000+		119.06	8.8
149.99	<12.7	830.93	11.5	2,438,000+		825.9	<13.1	127.00	8.6
182.90	<13.2	840.92	11.4	817.96	10.1	830.9	<12.8	144.03	8.7
195.92	<11.9	2,439,000+		824.93	9.5	840.9	<12.8	.99	9.4
233.84	<12.0	049.12	12.0	825.90	9.5	2,439,000+		149.97	9.6
237.86	<12.6	182.93	11.7	830.90	10.0	000.18	<12.0	150.03	8.7
265.81	<12.6	201.92	12.0	840.89	9.7	049.13	<12.0	153.07	8.7
331.22	<12.7	233.84	12.4	2,439,000+		182.92	<12.3	155.10	8.8
415.04	<11.9	237.87	12.2	000.18	9.5	201.92	<12.6	158.01	8.6
467.06	<11.9			030.09	9.7	233.83	<12.0	163.99	8.6
				049.13	9.5			173.01	8.8
				108.06	10.1			178.00	8.8

V.S.S. CIRCULAR No. 191 (cont).

<u>JD.</u>	<u>MAG.</u>	<u>JD.</u>	<u>MAG.</u>
V361 Ori		V380 Ori	
2,439,000+		2,438,000+	
182.89	9.4	819.94	9.7
184.99	8.3	824.97	8.1
193.97	8.7	825.94	8.3
195.91	8.9	830.90	8.5
196.97	8.5	840.89	8.3
201.89	8.9	2,439,000+	
202.91	8.8	030.08	8.1
.95	8.6	BF Ori	
215.93	8.2	2,438,000+	
224.94	8.7	819.94	9.5
229.92	8.5	824.97	7.5
233.82	9.3	825.94	7.7
237.85	8.7	830.90	8.1
.91	8.7	840.89	8.0
245.91	8.7	2,439,000+	
265.79	8.9	030.08	7.7
321.23	8.9		
331.21	8.9		
349.19	8.8		
355.19	8.8		
357.15	8.8		
415.03	8.8		
466.12	9.2		
467.06	8.8		
2,440,000+			
176.02	9.0		
178.05	9.0		
186.03	8.8		
187.11	9.2		
533.09	9.0		

1972 December 21

Frank M. Bateson  
Director.

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