

# Decatur Area Astronomy Club

## Caldwell List

C#	NGC/ IC	Con.	Type	R. A. h m	Dec. ° ,	Mag.	Size (')	Description
1	188	Cep	OC	00 44.4	+85 20	8.1	14	
2	40	Cep	PN	00 13.0	+72 32	11.6	0.6	
3	4236	Dra	SbG	12 16.7	+69 28	9.7	21 x 7	
4	7023	Cep	BN	21 01.8	+68 12	6.8	18 x 18	Reflection Nebula
5	IC 342	Cam	SBcG	03 46.8	+68 06	9.2	18 x 17	
6	6543	Dra	PN	17 58.6	+66 38	8.8	0.3/5.8	Cat's Eye Nebula
7	2403	Cam	ScG	07 36.9	+65 36	8.9	18 x 10	
8	559	Cas	OC	01 29.5	+63 18	9.5	4	
9	Sh2- 155	Cep	BN	22 56.8	+62 37	7.7	50 x 10	Cave Nebula
10	663	Cas	OC	01 46.0	+61 15	7.1	16	
11	7635	Cas	BN	23 20.7	+61 12	7.0	15 x 8	Bubble Nebula
12	6946	Cep	ScG	20 34.8	+60 09	9.7	11 x 9	
13	457	Cas	OC	01 19.1	+58 20	6.4	13	Phi Cas Cluster
14	869/ 884	Per	O double C	02 20.0	+57 08	4.3	30 and 30	Sword Handle
15	6826	Cyg	PN	19 44.8	+50 31	9.8	0.5/2.3	Blinking Nebula
16	7243	Lac	OC	22 15.3	+49 53	6.4	21	
17	147	Cas	dE4G	00 33.2	+48 30	9.3	13 x 8	
18	185	Cas	dE0G	00 39.0	+48 20	9.2	12 x 9	
19	IC 5146	Cyg	BN	21 53.5	+47 16	10.0	12 x 12	Cocoon Neb
20	7000	Cyg	BN	20 58.8	+44 20	6.0	120 x 100	Nort American Nebula
21	4449	CVn	IG	12 28.2	+44 06	9.4	5 x 3	
22	7662	And	PN	23 25.9	+42 33	9.2	0.3/2.2	
23	891	And	SbG	02 22.6	+42 21	9.9	14 x 2	
24	1275	Per	Seyfert	03 19.8	+41 31	11.6	2.6 x 1	Per A radio

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			G					source
25	2419	Lyn	GC	07 38.1	+38 53	10.4	4.1	
26	4244	CVn	SG	12 17.5	+37 49	10.6	16 x 2.5	
27	6888	Cyg	BN	20 12.0	+38 21	7.5	20 x 10	Crescent Nebula
28	752	And	OC	01 57.8	+37 41	5.7	50	
29	5005	CVn	SbG	13 10.9	+37 03	9.8	5.4 x 2	
30	7331	Peg	SbG	22 37.1	+34 25	9.5	11 x 4	
31	IC 405	Aur	BN	05 16.2	+34 16	6.0	30 x 19	Flaming Star Nebula
32	4631	CVn	ScG	12 42.1	+32 32	9.3	15 x 3	
33	6992 /5	Cyg	SN	20 56.4	+31 43	--	60 x 8	East Veil Nebula
34	6960	Cyg	SN	20 45.7	+30 43	--	70 x 6	West Veil Nebula
35	4889	Com	E4G	13 00.1	+27 59	11.4	3 x 2	Brightest in cluster
36	4559	Com	ScG	12 36.0	+27 58	9.8	10 x 4	
37	6885	Vul	OC	20 12.0	+26 29	5.7	7	
38	4565	Com	SbG	12 36.3	+25 59	9.6	16 x 3	
39	2392	Gem	PN	07 29.2	+20 55	9.9	0.2/0.7	Eskimo Nebula
40	3626	Leo	SbG	11 20.1	+18 21	10.9	3 x 2	
41	--	Tau	OC	04 27.0	+16 00	1.0	330	Hyades
42	7006	Del	GC	21 01.5	+16 11	10.6	2.8	Very distant globular
43	7814	Peg	SbG	00 03.3	+16 09	10.5	6 x 2	
44	7479	Peg	SBbG	23 04.9	+12 19	11.0	4 x 3	
45	5248	Boo	ScG	13 37.5	+08 53	10.2	6 x 4	
46	2261	Mon	BN	06 39.2	+08 44	10.0	2 x 1	Hubble's Variable Neb.
47	6934	Del	GC	20 34.2	+07 24	8.9	5.9	
48	2775	Can	SaG	09 10.3	+07 02	10.3	4.5 x 3	
49	2237 -9	Mon	BN	06 32.3	+05 03	--	80 x 60	Rosette Nebula
50	2244	Mon	OC	06 32.4	+04 52	4.8	24	

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51	IC 1613	Cet	IG	01 04.8	+02 07	9.0	12 x 11	
52	4697	Vir	E4G	12 48.6	-05 48	9.3	6 x 3	
53	3115	Sex	E6G	10 05.2	-07 43	9.1	8 x 3	Spindle Galaxy
54	2506	Mon	OC	08 00.2	-10 47	7.6	7	
55	7009	Aqr	PN	21 04.2	-11 22	8.3	2.5/1	Saturn Nebula
56	246	Cet	PN	00 47.0	-11 53	8.0	3.8	
57	6822	Sgr	IG	19 44.9	-14 48	9.3	10 x 9	Barnard's Galaxy
58	2360	CMa	OC	07 17.8	-15 37	7.2	13	
59	3242	Hya	PN	10 24.8	-18 38	8.6	0.3/21	Ghost of Jupiter
60	4038	Crv	ScG	12 01.9	-18 52	11.3	2.6 x 1.8	The Antennae
61	4039	Crv	ScG	12 01.9	-18 53	13.0	3.2 x 2.2	The Antennae
62	247	Cet	SG	00 47.1	-20 46	8.9	20 x 7	
63	7293	Aqr	PN	22 29.6	-20 48	6.5	13	Helix Nebula
64	2362	CMa	OC	07 18.8	-24 57	4.1	8	Tau CMa Cluster
65	253	Scl	SG	00 47.6	-25 17	7.1	25 x 7	Sculptor Galaxy
66	5694	Hya	GC	14 39.6	-26 32	10.2	3.6	
67	1097	For	SBbG	02 46.3	-30 17	9.2	9 x 6	
68	6729	CrA	BN	19 01.9	-36 57	9.7	1.0	R CrA Nebula
69	6302	Sco	PN	17 13.7	-37 06	12.8	0.8	Bug Nebula
70	300	Scl	SdG	00 54.9	-37 41	8.1	20 x 13	
71	2477	Pup	OC	07 52.3	-38 33	5.8	27	
72	55	Scl	SBG	00 14.9	-39 11	8.2	32 x 6	Brightest in Scl Cluster
73	1851	Col	GC	05 14.1	-40 03	7.3	11	
74	3132	Vel	PN	10 07.7	-40 26	8.2	0.8	
75	6124	Sco	OC	16 25.6	-40 40	5.8	29	
76	6231	Sco	OC	16 54.0	-41 48	2.6	15	

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77	5128	Cen	Peculiar Galaxy	13 25.5	-43 01	7.0	18 x 14	Cen A radio source
78	6541	CrA	GC	18 08.0	-43 42	6.6	13	
79	3201	Vel	GC	10 17.6	-46 25	6.7	18	
80	5139	Cen	GC	13 26.8	-47 29	3.6	36	Omega Centauri
81	6352	Ara	GC	17 25.5	-48 25	8.1	7	
82	6193	Ara	OC	16 41.3	-48 46	5.2	15	
83	4945	Cen	SBcG	13 05.4	-49 28	9.5	20 x 4	
84	5286	Cen	GC	13 46.4	-51 22	7.6	9	
85	IC 2391	Vel	OC	08 40.2	-53 04	2.5	50	o (Omicron) Vel Cluster
86	6397	Ara	GC	17 40.7	-53 40	5.6	26	
87	1261	Hor	GC	03 12.3	-55 13	8.4	7	
88	5823	Cir	OC	15 05.7	-55 36	7.9	10	
89	6087	Nor	OC	16 18.9	-57 54	5.4	12	S Nor Cluster
90	2867	Car	PN	09 21.4	-58 19	9.7	0.2	
91	3532	Car	OC	11 06.4	-58 40	3.0	55	
92	3372	Car	BN	10 43.8	-59 52	6.2	120 x 120	Eta Carinae Nebula
93	6752	Pav	GC	19 10.9	-59 59	5.4	20	
94	4755	Cru	OC	12 53.6	-60 20	4.2	10	Jewel Box Cluster
95	6025	TrA	OC	16 03.7	-60 30	5.1	12	
96	2516	Car	OC	07 58.3	-60 52	3.8	30	
97	3766	Cen	OC	11 36.1	-61 37	5.3	12	
98	4609	Cru	OC	12 42.3	-62 58	6.9	5	
99	--	Cru	DN	12 53.0	-63 00	--	400 x 300	Coal Sack
100	IC 2944	Cen	OC	11 36.6	-63 02	4.5	15	– (Lambda) Cen Cluster
101	6744	Pav	SBbG	19 09.8	-63 51	9.0	16 x 10	
102	IC 2602	Car	OC	10 43.2	-64 24	1.9	50	÷ (Theta) Car Cluster
103	2070	Dor	BN	05 38.7	-69 06	1.0	40 x 25	Tarantula Neb. in LMC

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104	362	Tuc	GC	01 03.2	-70 51	6.6	13	
105	4833	Mus	GC	12 59.6	-70 53	7.3	14	
106	104	Tuc	GC	00 24.1	-72 05	4.0	31	47 Tucanae
107	6101	Aps	GC	16 25.8	-72 12	9.3	11	
108	4372	Mus	GC	12 25.8	-72 40	7.8	19	
109	3195	Cha	PN	10 09.5	-80 52	--	0.6	

### Key to Object Types

BN = Bright nebula  
 GC = Globular cluster  
 OC = Open cluster  
 EG = Elliptical (type) galaxy  
 DN = Dark nebula  
 IG = Irregular galaxy  
 PN = Planetary nebula  
 SN = Supernova remnant  
 SG = Spiral (type) galaxy