THE TEXAS STAR PARTY
2001 TELESCOPE OBSERVING CLUB

BY
JOHN WAGONER
AMERICAN ASSOCIATION OF AMATEUR ASTRONOMERS

RULES AND REGULATIONS

Welcome to the Texas Star Party's Telescope Observing Club. The purpose of this club is not to test your observing skills by throwing the toughest objects at you that are hard to see under any conditions, but to give you an opportunity to observe 26 showcase objects under the ideal conditions of these pristine West Texas skies, thus displaying them to their best advantage. This year we have planned a special program for this special year (2001). The rules are simple. Just observe all 26 objects on the list in the order they are on the list, and log those observations in the spaces below. That's it. Any size telescope can be used. All observations must be made at the Texas Star Party to qualify. All objects are within range of small to medium sized telescopes, and are available for observation between 10:00PM and 3:00AM any time during the TSP. There is a small mystery surrounding the list, so see if you can figure it out during your observations and let me know. However, if you complete the list and are consequently abducted by aliens, please do not hold the Texas Star Party responsible. Each person completing this list will receive an official Texas Star Party Telescope Observing Club lapel pin. These pins are not sold at the TSP and can only be acquired by completing the program, so wear them proudly. To receive your pin, turn in your observations to ***John Wagoner - TSP Observing Chairman*** any time during the Texas Star Party. I will be at the outside door leading into the TSP Meeting Hall each day between 1:00 PM and 2:30 PM. If you finish the list the last night of TSP, and I am not available to give you your pin, just mail your observations to me at 1409 Sequoia Dr., Plano, Tx. 75023, and I will see that you get a pin. Also, for those of you who were not here last year or did not participate in the Glorious Globulars program, you may do so this year by observing any 25 globulars, and turning in your observations for a globular lapel pin. Good luck and good observing. Now let's get out there and **observe!!!**

A big "Thank You" to Robert Haler of the Astronomical Society of Kansas City for designing this year's pin.

AN ASTRONOMICAL ODYSSEY

	Object	R.A.	DEC	Mag	Type	Size	Const	Urn	SA	Date Observed	Time Observed
[ ]	NGC 4654	12	44.0	+13	08	10.5	Glxy	4.7'	Vir	194	13		
[ ]	NGC 4639	12	42.9	+13	15	11.5	Glxy	2.9'	Vir	194	13		
[ ]	NGC 4569	12	36.8	+13	10	9.5	Glxy	9.5' M90	Vir	194	13		
[ ]	NGC 4552	12	35.7	+12	33	9.8	Glxy	4.2' M89	Vir	194	13		
[ ]	NGC 4579	12	37.7	+11	49	9.8	Glxy	5.4' M58	Vir	194	13		
[ ]	NGC 4621	12	42.0	+11	39	9.8	Glxy	5.1' M59	Vir	194	13		
[ ]	NGC 4647	12	43.5	+11	35	11.3	Glxy	3.0'	Vir	194	13		
[ ]	NGC 4649	12	43.7	+11	33	8.8	Glxy	7.2'	Vir	194	13		
[ ]	NGC 4564	12	36.4	+11	26	10.9	Glxy	3.1'	Vir	194	13		
[ ]	NGC 4567	12	36.5	+11	15	11.3	Glxy	3.0'	Vir	194	13		
[ ]	NGC 4568	12	36.6	+11	14	10.8	Glxy	4.6'	Vir	194	13		
[ ]	NGC 4528	12	34.1	+11	19	12.9	Glxy	1.5'	Vir	194	13		
[ ]	NGC 4503	12	32.1	+11	11	11.1	Glxy	3.5'	Vir	194	13		
[ ]	NGC 6229	16	47.0	+47	32	9.4	GbCl	4.5'	Her	80	8		
[ ]	NGC 6341	17	17.1	+43	08	6.4	GbCl	11.0'M92	Her	81	8		
[ ]	NGC 6205	16	41.7	+36	28	5.7	GbCl	17.0'M13	Her	114	8		
[ ]	NGC 6058	16	04.4	+40	41	13.0	PNeb	25.0"	Her	79	8		
[ ]	NGC 6913	20	23.9	+38	32	6.6	OpCl	6.0' M29	Cyg	84	9		
[ ]	NGC 6871	20	05.9	+35	47	5.2	OpCl	20.0'	Cyg	119	9		
[ ]	NGC 6819	19	41.3	+40	11	7.3	OpCl	5.0'	Cyg	84	8		
[ ]	NGC 6866	20	03.7	+44	00	7.6	OpCl	6.0'	Cyg	84	9		
[ ]	NGC 6287	17	05.2	-22	42	9.3	GbCl	5.1'	Oph	337	22		
[ ]	NGC 6284	17	04.5	-24	46	8.9	GbCl	5.6'	Oph	337	22		
[ ]	NGC 6273	17	02.6	-26	16	6.7	GbCl	14.0'M19	Oph	337	22		
[ ]	NGC 6266	17	01.2	-30	07	6.7	GbCl	14.0'M62	Oph	376	22		
[ ]	B142	19	41.0	+10	31		DkNeb	40'	Aql				

GLORIOUS GLOBULARS

(choose any 25 objects)

Chk	Object	Prog	R.A.	DEC	Mag	Size	Const	Urn	SA	Date Observed	Time Observed
[ ]	NGC 2419	H	07 38.1	+38 53	10.3	4.1'	Lyn	69	5		
[ ]	NGC 4147	H	12 10.1	+18 33	10.2	4.0'	Com	148	13		
[ ]	NGC 4590	M 68	12 39.5	-26 45	7.7	12.0'	Hya	329	21		
[ ]	NGC 5024	M 53	13 12.9	+18 10	7.5	13.0'	Com	150	14		
[ ]	NGC 5053	H II	13 16.4	+17 42	9.9	11.0'	Com	150	14		
[ ]	NGC 5272	M 3	13 42.2	+28 23	5.9	16.0'	CVn	110	7		
[ ]	NGC 5466	H	14 05.5	+28 32	9.0	11.0'	Boo	110	7		
[ ]	NGC 5634	H	14 29.6	-05 59	9.4	4.9'	Vir	242	14		
[ ]	NGC 5694	H	14 39.6	-26 32	9.2	3.6'	Hya	332	21		
[ ]	NGC 5897	H	15 17.4	-21 01	8.6	13.0'	Lib	334	21		
[ ]	NGC 5904	M 5	15 18.6	+02 05	5.7	17.0'	SerCp	244	14		
[ ]	NGC 6093	M 80	16 17.0	-22 59	7.3	8.9'	Sco	336	22		
[ ]	NGC 6121	M 4	16 23.6	-26 32	5.8	26.0'	Sco	336	22		
[ ]	NGC 6144	H	16 27.3	-26 02	9.0	9.3'	Sco	336	22		
[ ]	NGC 6171	M107H	16 32.5	-13 03	8.1	10.0'	Oph	291	15		
[ ]	NGC 6205	M 13	16 41.7	+36 28	5.7	17.0'	Her	114	8		
[ ]	NGC 6218	M 12	16 47.2	-01 57	6.8	15.0'	Oph	246	15		
[ ]	NGC 6229	H	16 47.0	+47 32	9.4	4.5'	Her	80	8		
[ ]	NGC 6235	H	16 53.4	-22 11	10.0	5.0'	Oph	337	22		
[ ]	NGC 6254	M 10	16 57.1	-04 06	6.6	15.0'	Oph	247	15		
[ ]	NGC 6266	M 62	17 01.2	-30 07	6.7	14.0'	Oph	376	22		
[ ]	NGC 6273	M 19	17 02.6	-26 16	6.7	14.0'	Oph	337	22		
[ ]	NGC 6284	H	17 04.5	-24 46	8.9	5.6'	Oph	337	22		
[ ]	NGC 6287	H	17 05.2	-22 42	9.3	5.1'	Oph	337	22		
[ ]	NGC 6293	H	17 10.2	-26 35	8.2	7.9'	Oph	337	22		
[ ]	NGC 6304	H	17 14.5	-29 28	8.4	6.8'	Oph	376	22		
[ ]	NGC 6316	H	17 16.6	-28 08	8.8	4.9'	Oph	337	22		
[ ]	NGC 6333	M 9	17 19.2	-18 31	7.6	9.3'	Oph	337	15		
[ ]	NGC 6341	M 92	17 17.1	+43 08	6.4	11.0'	Her	81	8		
[ ]	NGC 6342	H	17 21.2	-19 35	9.8	3.0'	Oph	338	15		
[ ]	NGC 6355	H	17 24.0	-26 21	9.7	5.0'	Oph	338	22		
[ ]	NGC 6356	H	17 23.6	-17 49	8.2	7.2'	Oph	293	15		
[ ]	NGC 6380	EC	17 34.5	-39 04	11.1	3.9'	Sco	376	22	Caution.	
[ ]	NGC 6401	H	17 38.6	-23 55	9.5	5.6'	Oph	338	22		
[ ]	NGC 6402	M 14	17 37.6	-03 15	7.6	12.0'	Oph	248	15		
[ ]	NGC 6426	H	17 44.9	+03 00	11.1	3.2'	Oph	248	15		
[ ]	DJ 1	EC	17 48.0	-33 04	13.6	3.0'	Sco	377	22		
[ ]	NGC 6440	H	17 48.9	-20 22	9.1	5.4'	Sgr	338	15		
[ ]	DJ 2	EC	18 01.0	-27 49	9.9	3.5'	Sgr	339	22		
[ ]	NGC 6517	H	18 01.8	-08 58	10.3	4.3'	Oph	294	15		
[ ]	NGC 6522	H	18 03.6	-30 02	8.4	5.6'	Sgr	377	22		
[ ]	NGC 6528	H	18 04.8	-30 03	9.5	3.7'	Sgr	377	22		
[ ]	DJ 3	EC H	18 06.3	-27 46	9.5	9.3'	Sgr	377	22	NGC 6540 Yep, it's a globular. Size?	
[ ]	NGC 6544	H	18 07.3	-25 00	8.1	8.9'	Sgr	339	22		
[ ]	NGC 6553	H	18 09.3	-25 54	8.1	8.1'	Sgr	339	22		
[ ]	NGC 6569	H	18 13.6	-31 50	8.7	5.8'	Sgr	377	22		
[ ]	NGC 6624	H	18 23.7	-30 22	8.0	5.9'	Sgr	378	22		
[ ]	NGC 6626	M 28	18 24.5	-24 52	6.8	11.0'	Sgr	340	22		
[ ]	NGC 6637	M 69	18 31.4	-32 21	7.6	7.1'	Sgr	378	22		
[ ]	NGC 6638	H	18 30.9	-25 30	9.1	5.0'	Sgr	340	22		
[ ]	NGC 6642	H	18 31.9	-23 29	9.4	4.5'	Sgr	340	22		
[ ]	NGC 6656	M 22	18 36.4	-23 54	5.1	24.0'	Sgr	340	22		
[ ]	Pal 8	EC	18 41.5	-19 49	11.2	4.7	Sgr	340	22		
[ ]	NGC 6681	M 70	18 43.2	-32 18	8.0	7.8'	Sgr	378	22		
[ ]	NGC 6712	H	18 53.1	-08 42	8.2	7.2'	Sct	295	15		
[ ]	NGC 6715	M 54	18 55.1	-30 29	7.6	9.1'	Sgr	378	22		
[ ]	NGC 6717	H II	18 55.1	-22 42	9.2	3.9'	Sgr	340	22		
[ ]	NGC 6779	M 56	19 16.6	+30 11	8.3	7.1'	Lyr	118	8		
[ ]	NGC 6809	M 55	19 40.0	-30 58	6.4	19.0'	Sgr	380	22		
[ ]	NGC 6838	M 71	19 53.8	+18 47	8.0	7.2'	Sge	162	16		
[ ]	NGC 6864	M 75	20 06.1	-21 55	8.5	6.0'	Sgr	343	23		
[ ]	NGC 6934	H	20 34.2	+07 24	8.7	5.9'	Del	209	16		
[ ]	NGC 6981	M 72	20 53.5	-12 32	9.3	5.9'	Aqr	299	16		
[ ]	NGC 7006	H	21 01.5	+16 11	10.5	2.8'	Del	164	16		
[ ]	NGC 7078	M 15	21 30.0	+12 10	6.0	12.0'	Peg	210	16		
[ ]	NGC 7089	M 2	21 33.5	-00 49	6.4	13.0'	Aqr	255	16		
[ ]	NGC 7099	M 30	21 40.4	-23 11	7.3	11.0'	Cap	346	23		