SJAA

may '76 Bulletin

Jack Zeiders
Editor

WHAT'S GOING ON IN THE CLUB:

May 7: Olinder Center, 7:30 PM.
The general meeting this month will feature Allen Meyer, who will speak about "The Flying 36".

May 8: Moffet Field, Ames Research center
N.A.S.A. is having an open house.

May 18-22: Lawerence Hall of Science, Berkley.
The Astronomical Society of the Pacific is having their summer scientific meeting.

May 29-31: Big Bear.
The Riverside Ameteur Telescope Makers Conference.

June 4: Olinder Center, 7:30 PM.
This is the annual meeting where board members are nominated and elected. If you are interested in a board position, please contact the nominating commity. The members are: Gerry Rattley, Debbie Moore, Norm Wild & myself.

June 5: Monte Sereno, Dusk, Club star party

June 18: Tom Mungall's home, Board meeting

June 25: A.A.N.C. star party at Fremont Peak.

July 17: Banquet & installation of officers.

PAST EVENTS (anceint history)

April 10 was Astronomy Day, it was also raining. Around six it started to clear. Only FOUR members made the effort to take their scopes to K-MART. Nearly one hundred people came and were shown; Saturn, Mars, the Moon and several double stars.
The April 24 star party at Coe fell victim to cold, gusty winds throughout the night.
May 1 there was to have been a star party at Skyline, however, I didn't get the bulletin out so you didn't know about it. (sorry)

April 30 to may 1 Fremont Peak was the sight of a large star party. Several clubs were represented and several hundered students as well.

Rattley Rattles

This month I would like to present a list of the finest planetary nebulae. Messier has only four of these objects in his list, as the objects he listed were fairly large, and most planetaries are quite small. Most modern amateur telescopes are quite capable of showing these objects, and for those who look at them, the experience is a rewarding one. One tip though, for a good look use moderate to high power.

I will not go into the physics of planetaries at this time, but I will discuss it with those who ask at a star party. You can find much information on planetaries in astronomy texts and articles. All the following coordinates are for 1950, descriptions from the N.G.C., and the standard "type" for planetaries is used.(see the Skalnate Pleso catalogue, Howards Star Atlas or me.) If anyone feels that I have unjustly omited one of their favorites, let me know and I will look into it.

NGC	RA & DEC	MAG	SIZE	TYPE	DESCRIPTION
1535	0412-13	9	20*17	(IV+VI)	very bright,small, round, very well defined edges, very suddenly brighter in the middle, mottled * mag 12
650-1	0139+51	12	157*87	(V)	M76 "little dumbell", very bright, double nebula (mag *17)
1952	0532+22	8.5	360*240	(VI)	M1 "Crab Nebula" very bright, very large, elongated at 135 , a little brighter in the middle, mottled. (mag *16)
2392	0726+21	8	47*43	(IIIb+IV)	"Clownface" or "strawberry" bright, small, round, central* 9mag, *8mag north following 100" (mag *11)
2438	0740-15	11	68*68	(IV)	in M46 pretty bright, pretty small, very little elongated, mottled. (mag *11)
3132	1005-40	8	84*53	(IV)	very bright, very large, a little elongated, *9 in the middle 4" diameter (mag *11)
3242	1022-18	9	40*35	(IIIb+IV)	very bright, a little elongated at 147 , 45" diameter, blue (mag *11)
3587	1112+55	12	203*199	(IIIa)	M97 "Owl" very bright, very large, round, very very gradual fading out twards the edges, very suddenly brighter in the middle, 150" diameter (mag *14)
4361	1222-18	11	81*81	(IIIa)	very bright, large, round, very suddenly much brighter in the middle to a nucleus, mottled (mag *13)
6210	1643+24	10	20*13	(II+IV)	very bright, very small, round, disc & border. (mag *13)
6543	1759+67	9	22*22	(IIIa)	"Draco" very bright, pretty small, suddenly brighter in the middle to a very stellar nucleus. (mag *11)
6572	1810+07	9.5	16*13	(IIa)	very bright, very small, round, a little hazy. (mag *12)
6720	1852+33	9	83*59	(IV)	M57 "Ring" annular, bright, pretty large, conciderably elongated(mag *15)

RATTLEY RATTLES ON.....

6781 1941+06 10 106*106 (IIIa) "Bubble" faint, large, round, very suddenly brighter in the middle, disclike, small* north following (mag *15)

6818 1941-14 10 22*15 (IV) bright, very small, round. (mag *15) (near NGC 6822 in Sgr.)

6826 1943*50 9 27*24 (IIIa) "Blinking" bright, pretty large, round, *11 mag in middle (mag *11)

6853 1957+23 7.5 480*240 (IIIa) M27"Dumbbell" very bright, very large, binuclear, irregularly elongated (mag *13)

7009 2101-12 (IV+IIIa) 44*26 "Saturn" very bright, small,elliptical (ansa on major axis) (mag *13)

7293 2227-21 6.5 900*720 (IV) "Helical" pretty faint, very large, elongated or binuclear (mag *13) (easily visable in 7*50 binoculars)

7662 2324+42 9 32*28 (IV+IIIa) annular, very bright, pretty small, round, blue. (mag *13)