

R.A.S.C. - BELLEVILLE CENTRE

SEPTEMBER – 2006

Welcome to another edition of the newsletter of R.A.S.C. - Belleville Centre. Your favorite newsletter editor hopes that many, if not all of you, will have been able to have been out at least once or twice since the last meeting to do some observing. You may regale the rest of the members of the heroic narratives of your epic adventures regarding your momentous observing sessions.

I am aware that light pollution is astronomically, atrociously, almightily, awfully, antagonistically, antipathetically, abominably, appalling, awkwardly, agonizing, abusively, arduously, alarming, awesomely, acerbic, amorally, acutely, abruptly and alienatingly adverse. It is possible that a bucket of pebbles and some expertise with a sling shot may alleviate the problems of street lamps and outdoor lighting of inconsiderate neighbors.

Now for some much needed information that could be of some importance to some people over the next while:

Meteor Showers:

Date	Shower Name	Radiant R.A., Dec	Approx.
01 September, 2006	Aurigids	19h 04m, +59.0°	30
20 September, 2006	N. iota Aquarids	21h 48m, -06.0°	15
20 September, 2006	S. Piscids	00h 24m, ±00.0°	10
21 September, 2006	kappa Aquarids	22h 32m, -05.0°	05
29 September, 2006	Daytime Sextantids	10h 08m, ±00.0°	30
03 October, 2006	Annual Andrometids	00h 20m, +08.0°	13
03 October, 2006	Annual Andrometids	01h 20m, +34.0°	10
09 October, 2006	October Draconids	17h 28m, +54.1°	02
12 October, 2006	South Piscids	01h 44m, +14.0°	06
19 October, 2006	epsilon Geminids	06h 56m, +27.0°	05
21 October, 2006	Orionids	06h 18m, +15.8°	30
24 October, 2006	Leo Minorids	10h 48m, +37.0°	03

01 Moon: (courtesy of R.A.S.C. 2006 Handbook)

First Quarter:	Saturday, 30 September, 2006	11 hours 04 minutes
Full Moon:	Thursday, 07 September, 2006	18 hours 42 minutes
Last Quarter:	Thursday, 14 September, 2006	11 hours 15 minutes
New Moon:	Friday, 22 September, 2006	11 hours 45 minutes
Apogee:	Friday, 22 Septemberr, 2006	05 hours (406,500 km)
Perigee:	Friday, 08 September, 2006	03 hours (357,175 km)

02 Planets: (courtesy of R.A.S.C. 2006 Handbook)

Mercury -is in superior conjunction on 01 September, 2006 and is not easily observed by observers in the northern hemisphere.

Venus -very low in the east-north-east during morning twilight. By the end of the month, it will be lost in the glare of the Sun.

Earth -yawn, snooze.

Mars -in Virgo. Cannot be observed by observers in the northern hemisphere until the month of December.

Jupiter -in Libra, very low in the west-south-west during evening twilight and will set about two hours, in the west-south-west, after the Sun.

Saturn -in Leo and continues to rise higher in the morning sky all this month. By the end of the month, the planet will be ~25° above the eastern horizon at the end of the month.

Uranus -spends the rest of the year in Aquarius. It is at opposition on 05 September, 2006, and was in conjunction on 01 March, 2006. Its declination, while still low, is becoming more northerly, and higher for northern hemisphere observers.

Pluto -has been downgraded as a planet by the International Astronomical Union (I.A.U.) and, along with Ceres and "Xena", is classified as into a new group of objects ("dwarf planets"). It spends most of the year of 2006 in Serpens Cauda. In late September of 2006, it dips into Ophiuchus and eventually enters eastward into Sagittarius by early December of 2006. Opposition for Pluto is 16 June, 2006, and conjunction of Pluto is 18 December, 2006.

Messier Objects According To Constellations

Constellation	Messier Objects
Andromeda	M 031, M 032, M 110
Aquarius	M 002, M 072, M 073
Auriga	M 036, M 037, M 039
Cancer	M 044, M 067
Canes Venatici	M 003, M 051, M 063, M 094, M 106
Canis Major	M 041
Capricornus	M 030
Cassiopeia	M 052, M 103
Cetus	M 077
Coma Berenices	M 053, M 064, M 085, M 088, M 091, M 098, M 099, M 100
Cygnus	M 029, M 039
Gemini	M 035
Hercules	M 013, M 092
Hydra	M 048, M 068, M 083
Leo	M 065, M 066, M 095, M 096, M 105
Lepus	M 079
Lyra	M 056, M 057
Monoceros	M 050
Ophiuchus	M 009, M 101, M 012, M 014, M 019, M 062, M 107
Orion	M 042, M 043, M 078
Pegasus	M 015
Perseus	M 034, M 076

Pisces	M 074
Puppis	M 046, M 047, M 093
Sagitta	M 071
Sagittarius	M 008, M 017, M 018, M 020, M 021, M 022, M 023, M 024, M 025, M 028, M 054, M 055, M 069, M 070, M 075
Scorpius	M 004, M 006, M 007, M 080
Scutum	M 011, M 026
Serpens	M 005, M 016
Taurus	M 001, M 045
Triangulum	M 033
Ursa Major	M 040, M 081, M 082, M 097, M 101, M 108, M 109
Virgo	M 049, M 058, M 059, M 060, M 061, M 084, M 086, M 089, M 090, M 104
Vulpecula	M 027