

## Map to Hallam Observatory Site



Above is a map showing the Comber area and it includes the major highways (401, 77, 8 and 46) that are in the area of the Hallam Observatory. The "highlighted" route is the most direct route from Windsor. Take the 401 East to Highway 77 South to South Middle Road. While on South Middle Road you will cross an area of recently removed railroad tracks and just past the point where Concession 9 joins it you will find the observatory on the South side of the road. If you hit the Rochester Townline Road (i.e. you come to a stop sign and must make a left or right turn) you have gone too far.

## UNIVERSAL SCIENCE Windsor's Astronomy And More Store



*New Hours! Please call ahead...*

*Friday 9:00 a.m. - 5:00 p.m. and Saturday 10:00 a.m. - 3:00 p.m.*

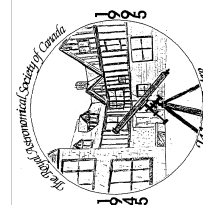
New - \$899.00 Awesome Viewing. 10" Dobsonian by SKYWATCHER, f4.7, tension central balance system, pyrex mirror, 2" focuser, 2" 28mm Erfle eyepiece and 9x50 finder

8" Skywatcher DOB \$599.00

6" Skywatcher DOB \$399.00

Contact Robin Smallwood  
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# AURORA



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The Royal Astronomical Society of Canada - Windsor Centre

## Flyer

Next Meeting

### *December Social*

Friday December 6, 2002

Dinner at 7:30 p.m.

Setup at 7:00 p.m.

at

St. Stephen's Church

Howard Road, 1.4 kms. South  
of Highway #3

### *Upcoming Events*

**Council Meeting:** A short council meeting will take place on Tuesday November 26th at Randy's house at 7:30 p.m..

**Planetary Conjunction:** On the morning of December 1st look for the crescent Moon, Venus and Mars within a tight 2 degree triangle.

**Geminid Meteors:** Peak on the night of December 13th.

**Jupiter's Moons:** Look for double shadow transits on Jupiter December 15th (2:33 - 4:17 a.m. EST) and December 23rd (10:55 - 11:53 p.m. EST).

## **General Meeting Minutes**

October 15, 2002

**President, Randy Groundwater:** Randy opened the meeting and requested and received a motion to accept the minutes from the September meeting. The motion was accepted.

### **Reports**

**New Treasurer, Ken Garber:** Ken reported Windsor Centre now has a total of 122 paid up members. He had a few 2003 Calendars left for sale and offered free surplus 1995 commemorative buttons to anyone buying a calendar and more to anyone who would take them.

**Librarian, Tom Sharron:** The library is all in order per Tom's report.

**Newsletter Editor, Steve Mastellotto:** Steve thanked those who have submitted newsletter articles and asked for more. Our newsletter always needs local content. Steve's phone committee has been disbanded. The larger proportion of members receive e-mail meeting notices.

**Public Relations Director, Robin Smallwood:** Robin explained there would be no public observing events until the new year when some planets come into view earlier in the evening.

**Public Education, Randy Groundwater:** Randy did one grade six presentation since the last meeting. He has four or five more coming up in the next four months. For each he has asked for a \$50 donation to our Windsor Centre.

**Director of Observing Robin Smallwood:** Robin gave the address [www.heavens-above.com](http://www.heavens-above.com) as a source for satellite path information. Ken Rount reported seeing what he thought might have been incoming space satellite junk leaving a bright smoke trail.

Robin asked for observing reports from those who have used the 10 inch Bawtenheimer Dobsonian telescope at the observatory. He recently supplied key components for a more portable 8 inch Dobsonian telescope being built for the Club by the author. A brief progress report was given noting the help from Susan in checking to see it could focus her wide collection of 1 1/4 and 2 inch eyepieces.

Robin provide a sky map for October and did a blackboard presentation with a chart of distances for objects we can see either naked eye or with modest telescopes. The farthest out was M51 at 15,000,000 light years.

## **Business**

**Fund Raising, Peter Bondy:** Peter was not able to attend. Randy provided information on funds raised via \$10 voluntary donations to use the Comber observatory site and \$40 fee to use the observatory facilities. To date 4 have paid the smaller amount and 8 the higher.

The Club's old 8 inch Celestron Schmidt-Cassegrain telescope has been mounted on the pedestal, polar aligned and collimated. Within the next 30 days a training session is planned to familiarize observers with dome and telescope operating procedures.

**New digital projector:** Steve displayed a very versatile new "slide" projector capable of taking images from DVD players, VCR machines or computers and projecting them onto screens. It will be especially useful for public education presentations. It is the first of the Trillium Fund purchases received and was acquired partly via the fund, the money earned from last years' lottery and the balance via a member's generous donation. It is valued at approximately three thousand dollars.

**Observatory telescope and mount report by Randy Groundwater:** The Trillium Fund rules specify the grant must be spent on only the specified equipment and left over funds must be returned. Only one year is allowed to complete the project. Both the 14 inch Celestron telescope and the German style equatorial mount "Paramount" built by Software Bisque should be ready in about six months.

**Nominations for Council by Susan Sawyer Beaulieu:** As past president Susan presented a list of nominees for council. Members were encouraged to provide additional nominees for election at the next regular meeting in November. Tim Bennett has resigned as National Representative so this position is open.

**50/50 draw:** The draw was won by John Welsh. He was given a fun bonus, a historical deed to "Property on the moon".

**Main Talk, Steve Pellarin:** Steve did his usual excellent slide presentation program. He showed us some of the amazing discoveries being made by the Hubble and Chandra X-Ray orbiting telescopes. He emphasized how data from various wavelength observations can be combined to provide deep insights into a wide variety of astronomical phenomena.

Meeting adjourned 10:20 p.m.

David J. Panton