

BAS family membership of \$40/year includes the following:

- 10 meetings including speakers on astronomy topics
- 12 issues of StarGazer News (via email)
- special rates for RASC yearly calendar
- equipment loan (telescopes, books, astronomy CDs and DVDs)
- use of ES Fox Observatory

Name: _____

Street/P.O. Box _____

City/Town _____

Postal Code: _____

Phone Number: _____

Email Address: _____

Send Cheque to:

David Skelton
2485 6th Ave W.
Owen Sound, ON
N4K 5J7

Attn: BAS membership

Who Are We?

- stargazers from Bruce/Grey counties and beyond
- amateurs of all ages and stages of experience
- admirers of the wonderful starry sky
- enthusiasts who enjoy sharing the hobby with others

What Do We Do?

- promote basic astronomy among club members
- enhance public awareness of the beauty of the night sky
- support astronomy education in local schools
- encourage eco-friendly lighting practices to conserve energy and preserve the natural environment
- connect with other ecologically-minded groups to promote good environmental practices

Meeting Info: check website for current info and meeting venues

- 1st Wed. of month (except Jan & Feb) at Grey Roots Museum or ES Fox Obs. 7 pm
- periodic events called star parties held at dark sky locations
- talks/presentations on astronomy at each meeting
- social events, camping, observing



ES Fox Observatory at Canada's 15th Dark Sky Preserve at the Bluewater Outdoor Education Centre 3092 Bruce Rd 13, Wiarton ON

BAS Initiatives:

- Astronomy Week celebrations include talks, public displays and stargazing
- Science Fair Astronomy Awards
- Northern Bruce Peninsula and Brockton are now Dark-Sky Friendly Communities
- Earth Hour lights out campaign support and stargazing
- ES Fox Observatory now in operation at the Bluewater Outdoor Education Centre near Oliphant
- Bluewater Outdoor Education Centre is Canada's 15th Dark Sky Preserve
- Summer Stargazing Sessions for public
- Astronomy Day Camp for Kids



The Milky Way from ES Fox Observatory

May Bright Stars Prevail!

An outdoor light fixture that scatters light is as wasteful as running your air conditioner with the windows open. **Light Pollution** resulting from poorly designed lighting has numerous adverse effects:

- **Wasted energy** resulting in wasted resources and wasted money,
- **Negative impact on wildlife**, especially nocturnal animals and migrating birds,
- **A compromised human immune system** due to interruption of the daily light-dark cycle, can create health problems,
- **Light trespassing** beyond the area meant to be lit often annoys neighbours,
- **Glare reduces night vision**, resulting in unsafe conditions,
- **Loss of a star-filled night sky**, an important part of our natural heritage.

Do your share to bring back the stars:

- use shielding to direct light down, not sideways or up,
- hide the light source, light the subject,
- use motion detectors to control lighting for better security and to reduce expenses,
- lower power levels, turn off when not used,
- urge others to follow suit, especially government and business.

Your guaranteed reward will be:

- a significant decrease in electricity bills,
- a star-filled night sky like your grandparents enjoyed,
- a healthier environment.

More Dark Sky information:

International Dark-Sky Association
www.darksky.org
Bruce Peninsula Environment Group
www.bpeg.ca



Poorly shielded lights send energy into the sky where it is not needed. This wasted light costs North Americans an estimated **1.7 billion dollars** a year and if eliminated represents a major savings and reduction in energy needs.



BAS crew at Starfest 2012

BAS website:

www.bluewaterastronomy.info

This site lists our activities,
meeting dates, times, locations
and contact info.

CONTACT INFO:

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BAS supports
“Beyond the
International Year
of Astronomy”
activities

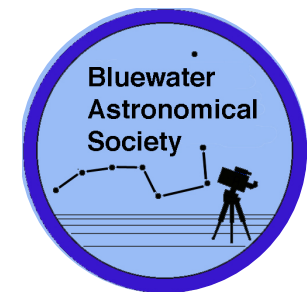


Explored the Milky Way Lately?



M31 Image by Doug Cunningham

See the Universe with BAS



www.bluewaterastronomy.info