

Saskatoon Skies

The Newsletter of the Saskatoon Centre of the Royal Astronomical Society of Canada

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September 2019



The group shot from this summers SSSP. Photo: George Charpentier



Saskatoon Centre

The Royal Astronomical Society of Canada
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To view *Saskatoon Skies* digitally,
see our website:

<http://www.usask.ca/rasc/newsletters.html>

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MEMBERSHIP? JOIN TODAY!

Regular: \$85.00 /year

Youth: \$45.00 /year

Family: \$80/year

The Saskatoon Centre operates on a one-year revolving membership. You will be a member for the next 12 months no matter when in the year you join. Members are encouraged to renew early to avoid disruption in publications. Renew through the National Office at <http://www.rasc.ca/join-us>

Benefits of Membership in the Saskatoon Centre

- knowledgeable & friendly amateur astronomers
- use of the Sleaford Observatory
- use of the U of S Observatory (after training)
- Saskatoon Skies Newsletter
- Observer's Handbook
- Journal of the RASC (electronic format)
- SkyNews Magazine (bimonthly)
- borrow the Centre's Data Projector to give astronomy outreach presentations – contact Les Dickson at astrochem@sasktel.net
- rent the Centre's Telescopes <https://www.usask.ca/rasc/telescopes.html>
- discounts to Sky & Telescope Magazine*
- use of the Centre library

U OF S OBSERVATORY

The U of S Observatory is open to the general public every Saturday of the year. Admission is free. The observatory is located on campus, one block north of the Wiggins Avenue and College Drive entrance. On clear nights, visitors may look through the vintage 6-inch and tour several displays. Current events are recorded on the Astronomy Information Line at 306-966-6429.

Observatory Hours:

January – February	7:30 – 9:30 pm
March	8:00 – 10:30 pm
April – August	9:15 – 11:45 pm
September	8:30 – 11:00 pm
October – December	7:00 – 9:30 pm

SASKATOON CENTRE'S MAIN OFFICERS:

President – Daryl Janzen
Vice-President – Jim Goodridge
Secretary – Marcel Müller-Goldkuhle
Treasurer – Norma Jensen
National Council Rep – Chris Martin

Bottle Drive &
Canadian Tire \$
By Les Dickson

If you cannot attend a meeting but would like to donate your Canadian Tire money please email me at astrochem@sasktel.net

LIGHT POLLUTION
ABATEMENT
WEBSITE AT:
www.ras.sk.ca/lpc/lpc.htm

Newsletter Editor – Kris Ohnander, Colin Chatfield
Copy & Collate – Les & Ellen Dickson
Labels & Temps – Mark de Jong
Web Posting – Gord Sarty

Saskatoon Skies is published monthly by the Saskatoon Centre of the RASC. Distribution is approximately 100 copies per issue. Saskatoon Skies welcomes unsolicited articles, sketches, photographs, cartoons, and other astronomy or space science material. Submissions should be sent by e-mail to the editor at krisohn@gmail.com in msword or text format. Images: any format, less than 30MB, sent by e-mail as attached files. **Deadline for submission of all articles for an upcoming issue is the first Friday of the month!**

A separate by-mail subscription to Saskatoon Skies is available for \$15.00 per year. Saskatoon Skies is also posted on our Saskatoon Centre homepage as a .pdf file and can be downloaded free-of-charge. Members may choose to receive the newsletter by regular mail or via the Internet. Articles may be reprinted from Saskatoon Skies without expressed permission (unless otherwise indicated), provided that proper source credit is given. Saskatoon Skies accepts commercial advertising. Please email the editor at krisohn@gmail.com for rates. Members can advertise non-commercial items free of charge.

RASC CALENDAR OF EVENTS

September 16	RASC General Meeting	Daryl Janzen
September 28	Sleaford Observatory Open House	Larry Scott
October 14	RASC General Meeting – ELECTIONS!	Daryl Janzen
October 26	Observers Group at Sleaford	Larry Scott
November 18	RASC General Meeting	Daryl Janzen

For a complete list of club events, please visit: <http://www.usask.ca/rasc/activities.html>

September RASC General Meeting

for all members and guests, Room 175,
Physics Bldg. University of Saskatchewan

Join us on September 16, 2019 at 8:00PM

Presentations:

A New Citizen Science Program at the University Observatory
– *Daryl Janzen*

Daryl will discuss a budding program that could get citizens doing some actual science observing.

A Short Review of Green Laser Pointer Usage
– *Rick Huziak*

New RASC rules for laser use were presented at SSSP. A short version will be given here.

Outdoor Lighting Design & its Effect on Saskatoon's Environment
– *Rick Huziak*

Richard Huziak will talk about current lighting projects in Saskatoon and area and how they cause or address light pollution concerns. Some projects give hope for protecting the skies and others “need help.”

Note: There will be an executive meeting at 7:00pm.

ASTRONOMY NIGHT OPEN HOUSE

**Saturday, September 28, 2019
7:30 p.m. to 11:00 p.m.**

Sleaford Observatory and Research Facility

This event is weather dependent. Please check our Facebook page.

**Visitors may join a car convoy leaving from Fas Gas
(intersection of Highway #5 and #41)
at 7:00 p.m.**

**This event is free and open to the public.
There are warm-up facilities but viewing happens outside.**

DRESS WARMLY!

**Sponsored by:
The Royal Astronomical Society of Canada - Saskatoon Centre
and
The U. of S. Department of Physics and Engineering Physics**



**For further details:
www.facebook.com/rascyxe
www.facebook.com/usaskobservatory**



**UNIVERSITY OF SASKATCHEWAN
College of
Arts and Science
DEPARTMENT OF PHYSICS AND
ENGINEERING PHYSICS
ARTSANDSCIENCE.USASK.CA**

Notice of the RASC Annual General Meeting & Election of Officers – *Rick Huziak*

October 14, 2019, 8:15 PM
Room 175 Physics, University of Saskatchewan

The Saskatoon Centre Annual General Meeting and Election of Officers will occur at the time and place listed above. Nominations are open for all positions except for the President and Vice-president who are entering their second year of two-year terms. The list of current positions and their occupants can be found here:

<https://www.usask.ca/rasc/executive.html>

Anyone in good standing with the Saskatoon Centre can be nominated for and run for a position. For more information, contact Daryl Janzen or the Nominating Committee (that will be formed at the September General Meeting.)

Sleaford Potluck BBQ – *Larry Scott*

Greetings all, we would like to invite you to our annual Sleaford Observatory Potluck BBQ at 17:00, September 28, 2019. Grab some protein to burn and a side dish to share before the crowd arrives for the Open House at 19:30. Volunteers and guests are all welcome!

Classifieds

For Sale from Daryl Chatfield, 306-222-0515:

One pair of “Up Close NF” binoculars. USED ONCE! Excellent condition, includes carrying case, all eye caps. Won as a door prize.

\$30.00 Please call for more information.

One pair of Carl Wetzlar 10x50 Airforce binoculars. Excellent shape. Comes with carrying case and all dust caps.

\$40.00. Please call for more information.

Books for Sale

All Books being sold by Darrell Chatfield
 Contact Darrell at novachat@sasktel.net or 306-222-0515

All books are in either new, or like new condition. Retail price in brackets. Please email or text me if you want a particular book and I will bring it to the next meeting or arrange to meet you. Thank you.
 Darrell

“The New Solar System”	2009 Patricia Daniels. Color (40.00)	\$18.00
“Deep Sky Observers Handbook”	5 vol. 1979. Ken Glyn Jones.	\$30.00
“ORBIT - Nasa Astronauts Photograph the Earth.	1996. Color.	\$2.00
“International Encyclopedia of Astronomy”	1987. Patrick Moore. Color.	\$10.00
“Backyard Astronomers Guide”	T. Dickinson & Al Dyer. 2008. Color(49.95)	\$25.00
“Atlas of Deep Sky Splendors”	1978. H. Verhenberg. (50.00) B & W.	\$22.00
“Turn Left at Orion”	2000. Dan Davis. B & W. (29.99)	\$15.00
“Amateur Astronomers Catalog of 500 Deep Sky Objects”	Vol 1. 1980. B & W	
R. Morales		\$15.00
“Observing the Constellations”	1989. J. Sanford. Color charts.	\$10.00
“Nightwatch”	1984. T. Dickinson. Color.	\$10.00
"Sky Atlas 2000"	W. Tirion. 1981. 3 Color atlas.	\$30.00

Observing Clubs and Certificates

Join the Club! Observe all 110 Messier, 110 Finest NGC, 400 Herschel I or II, 140 Lunar, 154 Sky Gems or 35 Binocular objects, or Explore the Universe and earn great OBSERVING CERTIFICATES!

MESSIER CLUB

Certified at 110 Objects:

*R. Huziak, G. Sarty, S. Alexander,
S. Ferguson, D. Chatfield, T.
Tuomi, L. Scott, G. Charpentier,
B. Johnson, L. Dickson, B.
Burlingham, Norma Jensen*

Ron Waldron	108
Marcel Müller-Goldkuhle	94
Wade Selvig	75
Wayne Schlapkohl	43
Ellen Dickson	34
Graham Hartridge	9

Chatfield BINOCULAR CERTIFICATE

Certified at 35 to 40 Objects:

T. Tuomi, R. Huziak

Jim Goodridge	12
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FINEST NGC CLUB

Certified at 110 Objects:

*R. Huziak, G. Sarty,
D. Chatfield, T. Tuomi*

Larry Scott	110
Scott Alexander	97
Norma Jensen	83
Sandy Ferguson	23
George Charpentier	13

EXPLORE the UNIVERSE

Certified at 55 to 110 Objects:

T. Tuomi,

Wayne Schlapkohl	55
Jim Goodridge	35

Isabel Williamson Lunar Observing Certificate

Certified at 140 Objects:

T. Tuomi, N. Jensen

HERSCHEL 400 CLUB

Certified at 400 Objects:

R. Huziak, D. Chatfield, T. Tuomi

Gordon Sarty	251
Scott Alexander	117
Larry Scott	45
Sandy Ferguson	18

HERSCHEL 400-II CLUB

Darrell Chatfield	400
Tenho Tuomi	378
Rick Huziak	246

LEVY DEEP-SKY GEMS

Certified at 154 Objects:

Tenho Tuomi	150
Darrell Chatfield	70



The Messier, Finest NGC and David Levy's Deep-Sky Gems lists can be found in the *Observer's Handbook*.

The Explore the Universe list is available on the National website.

On-line Messier and Finest NGC lists, charts and logbooks: <http://www.rasc.ca/observing>

On-line Herschel 400 List: <http://www.astroloague.org/al/obsclubs/herschel/hers400.html>

Binocular List is at: https://www.usask.ca/rasc/Chatfield_Binocular_List.pdf

"Isabel Williamson Lunar Observing Program Guide:

<http://www.rasc.ca/sites/default/files/IWLOP2015.pdf>

Program details can be found at: <http://www.rasc.ca/williamson/index.shtm>