

Saskatoon Skies

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

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March 2019



Great photo taken of Venus and Jupiter during the week of January 20th by Mike Dolan.
Taken with a Nikon D3400, Sigma 150-600mm at 600mm.



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/newslette
rs.html](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

March 18	RASC General Meeting	Daryl Janzen
March 25	Youth Astronomy Club Meeting	Ron Waldron
March 30	Observers Group at Sleaford – MESSIER MARATHON	Larry Scott
April 6	Observers Group at Sleaford	Larry Scott
April 15	RASC General Meeting	Daryl Janzen
April 29	Youth Astronomy Club Meeting	Ron Waldron

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

March RASC General Meeting

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

Join us on March 18, 2019 at 8:00PM

Presentations by:

Velma Tuomi – *The Perks and Perils of being an Astronomer by Marriage*

I am a Manitoba girl. I trained as a registered nurse but have been inactive for many years. I met Tenho in Saskatoon in 1961. We were married in December of 1963. We have three sons, one daughter, one daughter-in-law, one granddaughter, one grandson, and one son-in-law ... in that order.

Colin Chatfield – *Social Media in a Nutshell*

Colin will explain some of the pros and cons of social media and how the club currently uses it. Colin is a photographer and educator with a keen interest in night sky photography. Colin states he is not an expert, but enjoys what he does and loves learning. This talk is deferred from Feb.

Tim Yaworski – *Photographing and Processing Star Trails*

I will give a presentation on photographing and post production of star trail images. Tim is a master photographer with over 40 years of still and video photography and runs timkip imaging www.timkip.com. Catch Tim promoting astronomy in the news, on TV, and at London Drugs.

Note: There will be an Executive Meeting at 7:00PM

Minutes of the February Meetings

— Marcel Müller-Goldkuhle

Minutes of the Executive Meeting, February 25, 2019

Attendees: Daryl Janzen, Jim Goodridge, Jim Gorkoff, Rick Huziak, Les Dickson, Patricia Gakis, Errol Frazer-Harrison, Norma Jensen, Ike Thiessen, Marcel Müller-Goldkuhle



Meeting called to order by Daryl Jensen at 7:06 PM

Minutes: Approval of the minutes from the Jan 21 Executive Meeting: Motion by Norma, seconded by Jim Goodridge, approved with all in favour.

Sleaford: Snow removal is being done regularly.
RM contacted U of S due to complaints about racoons in the schoolhouse. Plan is to remove them in spring.

Voting Rights: Power switch out and removal of equipment from schoolhouse to be arranged.
List of positions to be reviewed to determine which ones should get the right to vote.

Financial Statement: Money was moved from cash to term deposits.
Approval of the financial statement: Motion by Norma, seconded by Marcel, approved with all in favour.

SSSP: Purchase of projector: Recommendation by IT of U of S doesn't meet the requirements. Daryl to get back to them to clarify.
Les gives an update about required capabilities.

Brochures: Brochures ordered in 2018 were received and used during summer outreach.
Jim Gorkoff to look into getting RASC brochures.

External Speakers: Rick asks for permission to purchase gift cards to hand out to non-member speakers up to a value of \$25. Motion by Rick, seconded by Norma, approved with all in favour.

Display Banner: Motion by Jim Goodridge to hire Florence Editing to design a banner for the Club for maximum of \$100 and to get pricing for fabrication of the banner, seconded by Norma, approved with all in favour.
It was mentioned that a table front would be beneficial as a future option.

Newsletter Mail outs: Les asks the Club to cover costs for a new black laser printer cartridge.
Motion by Norma, seconded by Marcel, approved with all in favour.

Meeting adjourned at 7:55 PM.

Minutes of the General Meeting, February 25, 2019

Meeting called to order by Daryl Janzen at 8:14 PM.

Minutes: Approval of the minutes from the Jan 21 General Meeting:

Motion by Les, seconded by Tim, approved with all in favour.

Financial Statement: No significant changes to last year, including depreciation the statement shows a slight deficit.

Calendars: Jim Gorkoff ordered calendars, who ordered is asked to pick them up.

Awasis Education Conference:

Jim Goodridge, Norma, and Tim are giving presentations.

For the evening a Star Party is planned in the parking lot, starting at 9:00 PM

Meetings: The April meeting is planned to take place at the U of S Observatory.

Events: Random Acts of Astronomy is planned to be on a day around 1st quarter moon, idea is to set up telescopes along the river walk. Jane's walk is suggested as an option for advertising.

Thu March 7 Tim is at Sleaford with ≈ 8 students from Evenhardy School.

Fri March 8 (International Women's Day): Women in Astronomy, in Physics 107, refreshments at 3:00 PM, talks start at 4:00 PM.

SSSP: Next committee meeting is on March 7 at Darrel Chatfield's house.

Meeting adjourned at 8:45 PM, followed by presentations.

Presentations: Marcel Müller-Goldkuhle: The February Night Sky.

Rick Huziak: The work of the Light Pollution Abatement Committee.

Jim Goodridge: Binocular Observing: Resources available to enhance Grab 'n Go Astronomy.

End of the presentations at 9:57 PM.

Request for Articles for Awasis Conference

Please send any articles regarding light pollution, dark sky observing, moon studies, and binocular astronomy to my email (krisohn@gmail.com), for the Awasis Conference on April 16th in Saskatoon. I will ensure they are forwarded to the necessary people. Thank you.

RASC Saskatoon Centre Financial Report

September 30, 2017 to September 30, 2018

	Current Year Sept 30, 2018	Previous Year Sept 30, 2017
Assets		
Total Cash	\$2,276.27	\$6,059.99
Term Deposits	\$22,175.77	\$17,060.74
Receivables	\$532.95	\$482.03
Raffle Fund	-	-
Equipment	\$26,660.04	\$28,063.20
Retail Inventory	\$181.00	\$181.00
Total Assets	<u>\$50,760.13</u>	<u>\$51,843.96</u>
Surplus (Deficit)		
Balance Forward	\$51,843.96	
Current Year Surplus (Deficit)	\$1,083.83	
Balance End of Year	<u>\$50,760.13</u>	
Total Liabilities and Surplus	<u>\$50,760.13</u>	<u>\$51,843.96</u>
Revenue		
Membership Fees	\$2,543.51	\$2,747.23
Public Education	-	-
Retail Sales	\$200.00	\$301.00
Donations	\$173.95	\$70.00
Fundraising		
Star Party	\$14,998.80	\$16,669.60
Dinners, Raffles, etc.	-	-
Telescope Rentals	\$405.00	\$390.00
Interest	\$115.25	\$122.08
Total Revenue for the Year	<u>\$18,438.51</u>	<u>\$20,299.91</u>
Expenses		
Public Education	\$392.34	\$235.65
Taxes and Licences	-	-
Star Party	\$14,268.89	\$16,440.02
Utilities	\$568.63	\$568.97
Insurance	\$1,424.10	\$1,351.00
Repairs and Maintenance	\$288.56	\$1,744.03
Office Supplies and Postage, Newsletter	\$582.64	\$519.36
Retail Sales	\$192.17	\$216.99
Depreciation	\$1,403.16	\$1,477.01
Total Expenses for the Year	<u>\$19,522.34</u>	<u>\$22,553.03</u>
Net Surplus (Deficit) for the Year	<u>\$1,083.83</u>	<u>\$2,253.12</u>

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
Wade Selvig	75
Marcel Müller-Goldkuhle	81
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>