



Regulus



The Newsletter of the RASC Kingston Centre

2001 September-October

StarFest 2001 - A Wet and Cloudy Story

40 years of Astronomy in Kingston RASC

One of the “celebration” ideas we have is to create a 40th anniversary yearbook of the centre, publish it on CDROM and include it in the November/December issue of Regulus. We have pretty well passed the deadline for new submissions and will spend the next month organizing the material and the next month after that creating the CD’s.

StarFest 2001 Imagery

Photos by Kevin Kell and Kim Hay



Figure 1



Figure 4



Figure 5



Figure 2



Figure 6



Figure 3



Figure 7



Figure 8



Figure 12



Figure 9



Figure 13



Figure 14



Figure 10



Figure 15



Figure 11



Figure 16

Match the Pictures with the Captions Contest

	Caption	Figure
A	A pair of Ferengi	
B	Ex-President for Life monkey seeking	
C	Live Long and Prosper	
D	Psst Mister... Can I sell you a telescope? Real cheap!	
E	I attribute my electoral victory to my seamstress	
F	WhatCHEW lookin AT ??	
G	How to pick off a binary 7-10 split	
H	Velcro! The Astronomers Secret Weapon!	
I	Sure it will help you find messiers... I do it all the time myself!	
J	Workaholic.. And it's not even Starry Night Pro!	
K	Sighhhh! One of these years!	
L	Polar Bears Rule!	
M	I'm looking, I'm looking! But I just don't see any stars with my pants off!	
N	1 st thing up! Last thing down!	
O	We'll show you whose is bigger!	
P	Why am I here? Why are you here? What's for lunch?	

Send your answers into the editor via email to kell@cliff.path.queensu.ca or via Snail Mail (see post office box address elsewhere in this issue) by September 30th. One prize only, going to the person with the best answer total, one submission per RASC-KC member, ties to be determined by a random draw. The prize will be a high-resolution 8.5"x11" image that you can be proud to put on your wall!

Submissions from Members**The Remote Planets in 2001***Richard W. Schmude Jr.*

A.L.P.O. Remote Planets Coordinator

419 College Drive, Barnesville, GA 30204 USA

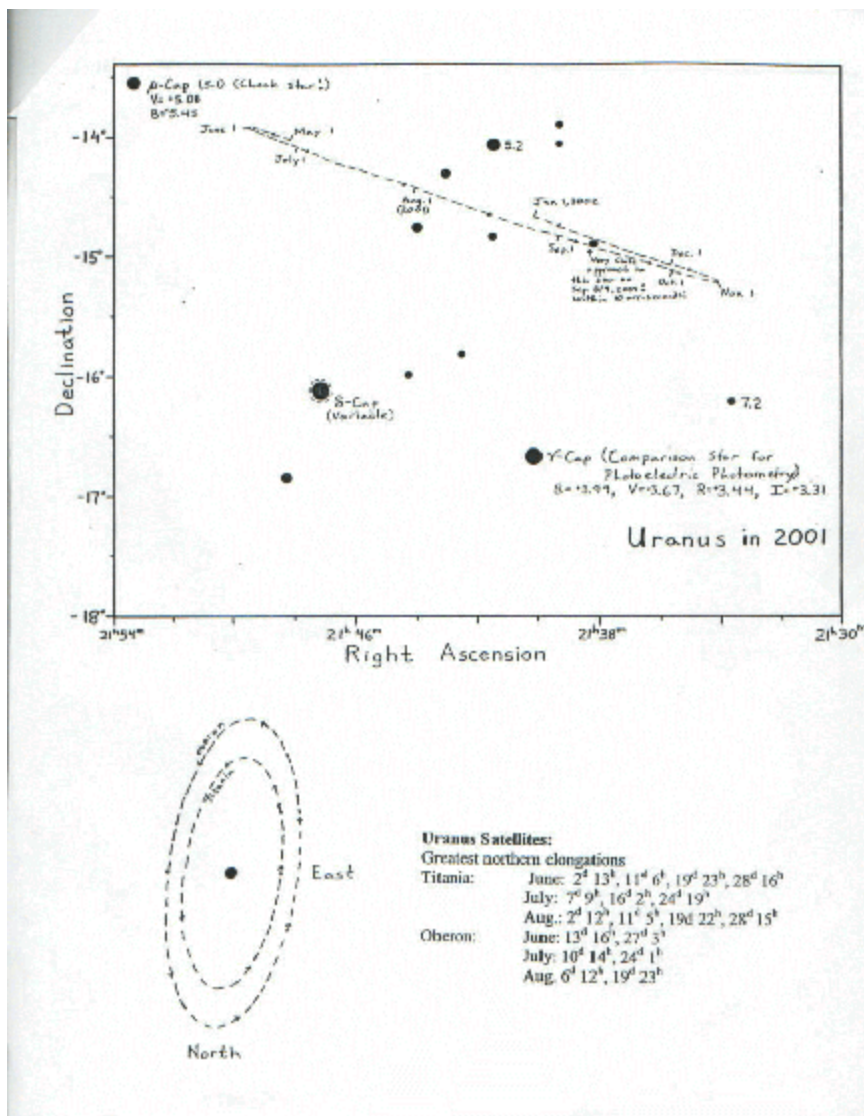
schmude@falcon.gdn.peachnet.edu

A special thank you to everyone who participated in observing the remote planets. Several people made important measurements including Frank Melillo, Brian Loader and John Westfall. A special congratulation is owed to Katie Moore, who did her science fair project on Uranus - her project won first place at her school and at the regional level.

During 2000 several new discoveries were made. For example, one group of astronomers imaged clouds on Uranus from ground based telescopes. These clouds were clearly visible in infrared light. Another group of astronomers have constructed a color map of one hemisphere of Pluto while a third group have used the Hubble Space Telescope to detect a small wobble in Pluto's position as Charon revolves and from this wobble they have determined Charon's mass to be 0.122 that of Pluto's mass. Professional astronomers also continue to monitor the clouds on Neptune.

One group of astronomers has analyzed about 50 years of Pluto brightness data and from this they predict that Pluto's albedo will rise during the next decade and that at the same time the amplitude of Pluto's rotational curve will decrease. There are also hints that Uranus may become more active in the upcoming decade. It is therefore important for A.L.P.O. members to monitor the remote planets closely.

Finder charts for Uranus and Neptune are enclosed. In addition to this finder charts for the brightest moons of Uranus and Neptune are also enclosed. Unfortunately I cannot construct a Pluto finder chart but a good one can be found in



the April 2001 issue of Sky and Telescope magazine on page 105.

Material for the Finder Charts is based on data found in these resources:

1. Astronomical Almanac for the Year 2001 (2000) Washington DC: US Government Printing Office.
2. Hirshfield A., Sinnott, R.W. and Ochsenbein, F. (1991) Sky Catalog 2000.0 Vol 1, Cambridge, MA: Sky Publishing Corporation.
3. Iriate, B., Johnson, H.L., Mitchell, R.I. and Wisniewski, W.K. (1965) "Five Color Photometry of Bright Stars" Sky and Telescope, Vol. 30 No. 1, pp21-31.
4. Sinnott, R.W. and Perryman, M.A.C. 91997) Millenium Star Atlas, Cambridge, MA: Sky Publishing Corporation.

Notes from Starfest 2001 by Hank Bartlett

The following is as "I" remember it, accuracy may be in doubt in some instances due to periodic memory loss and confusion.

Monday August 13th

A marathon drive day. We were suckered into looking for the Grandview Resort Observatory by misleading advertising that does not explain the remoteness of the observatory from the resort. In our search we did stumble onto an adult lifestyle housing development in the bush, with security etc. Future retirement? Like the troopers we are we turned back to Huntsville and headed for Starfest and one of the clearest skies I have ever seen. Monday nights sky showed us M33 naked eye and a Milky Way that seemed to glow! And then the alignment in the morning!!!

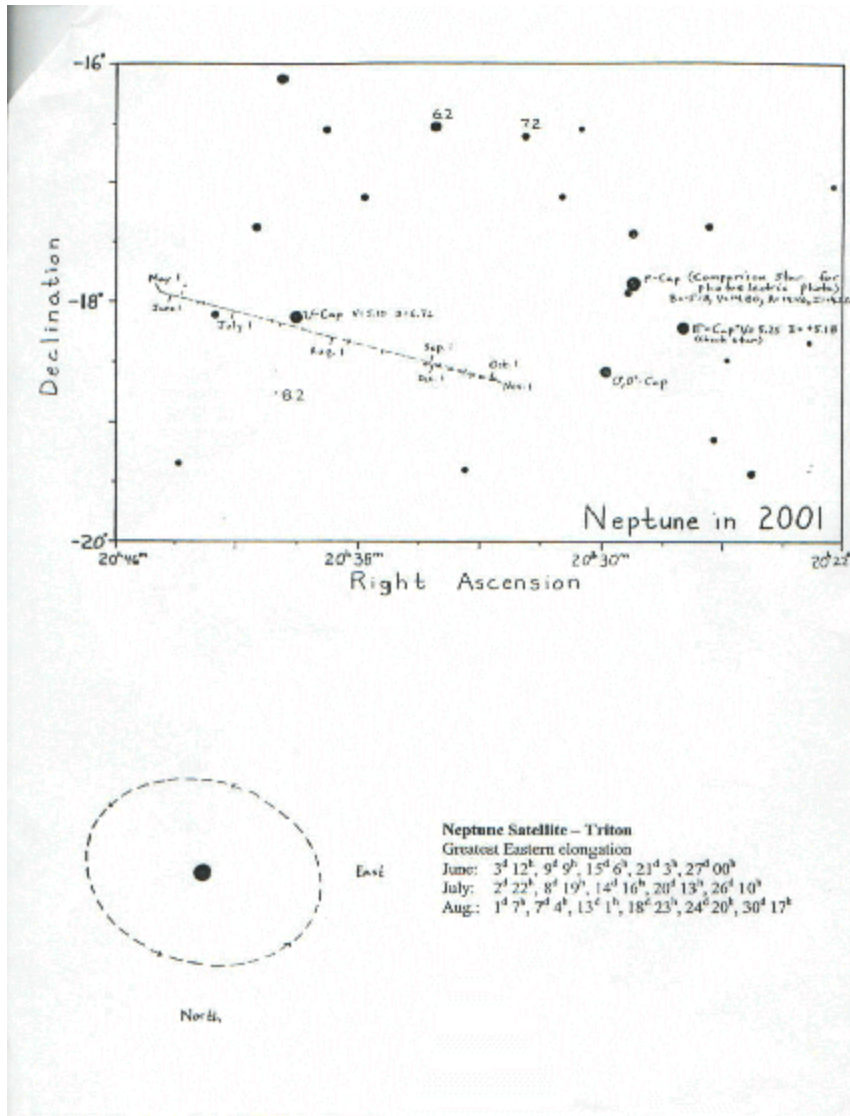
Tuesday August 14th

Today we continued to build our camp. We indulged in some "Cometon" and well earned afternoon nap. My cohorts went to Durham for groceries while I guarded our site. Just before they returned I was visited by Tom Clark of Florida, he and his wife Jean publish "Amateur Astronomy". Tom was at Starfest to speak on ATM, he has built over 160 telescopes. Tom and Jean's

travel scope is a 20" and they have a 36" in there yard. It was a nice visit that included an invitation to Florida. Tonight the dinner was BBQ steak and veggies, YUM!!!! Another clear night was before us and we slept little for a second night. Of course there was the alignment.

Wednesday August 15th

Today the wind began to blow, and blow. More campers arrived but not as many as last year. Brenda arrived by bus to Mt. Forest, she was picked up by the Starfest Shuttle "STR GAZR". There was of course more "Cometon" and the beginning of an actual tournament, which seemed to be male dominant. Tonight's observing was fair. bed was earlier but intermittent as we checked regularly for clearing. Tonight was BBQ sausage and more veggies. Of course these meals and days have been periodically graced with



the fruit of the vine and the hop and anything else that ferments.

Thursday Aug 16th

Brenda and I took a trip to town today and we registered on our way out, nice shirts! In the afternoon with the preliminary matches out of the way, the "Cometon" tourny began full force and sweat! The weather began to deteriorate more and by supper we had had enough and headed to a restaurant for a real meal in a warm dry place. By nightfall our camp had grown to 5 canopies! With observing clouded out we opened a theatre by using a laptop in the back of the van and backing it into a canopy for seating. The wind raged so loud sometimes we could not hear the movie. Then 1/3 through the second movie a microburst hit that sent one of the canopies flying, exposing our food and bar to the elements. TOO MUCH! After securing equipment and tents some decided to visit some neighbours and others turned in for the night. The turn ins "may" have been the wiser, but that is another

story. Between the wind and things that went bump in the night it was a rough sleep.

Friday Aug 17th

The day started clearer but windy again. Not to be beaten by nature we cut the legs of the broken canopy and erected a shorter version with all 5 canopies attached together, what a camp! At 10:30 am while we were at Tom Clark's talk we were alerted that the camp was blowing away. I could not believe my eyes as I approached the camp and saw canopies stacked on top of each other. One leg was pointing straight up in the air like a spire! Depressed and momentarily defeated we sat dumfounded after tearing down the jumble. First we erected 1, then 2, then 3. WE WERE BACK, WE WILL NOT GIVE UP! Soon we were back to lectures and our spirits were up again in more ways than one. After many rounds of cribbage, Commander Doug volunteered to pilot us to dinner again and another Mt. Forest Restaurant suffered abuse. The evening saw attempts at observing but it was a poor night so we finished the movie from Thurs. night and early to bed for most. A few of us went for late night donut and coffee. My youthful skill of entering a girlfriends house undetected was called to action when the morning crew at the kitchen found themselves locked out about 2 am. It is nice to know I can still squeeze through a small window in my 50th year. It also got us free coffee and donut.

Saturday Aug 18th

Today found me wishing I had not spent my income tax money on bills, there was an 8" Meade Newtonian with Eq mount for \$550. at the swap. I did however purchase "Starry Night Pro". There was no opportunity throughout for any day planet or star hunting. Too much cloud. By afternoon we were revving up for the banquet and evening festivities. Some donned their spectral T-shirts early they were so excited. By 5 pm we were all in line for supper and stood there for the usual hour as the meal caterer has never arrived on time yet! Fortunately we had an ample supply of liquid nourishment. Our spectral garb was a hit and so were our spectral specs! The dinner was the usual chicken and beef and very tasty, especially when washed down with appropriate refreshments. After dinner we toured the campsite in search of scopes and a better camp area. By the time we returned to camp the tent was ready for the draws and special guest speaker. We were shut out of the draws but Kim and I each caught a roll of film on the fly. The talk about Chandra was very good with

excellent pics. The evening was mostly a wash for observing and we turned in early, but the rooster crowed every hour for the sky checker. The late sky was open but hazy so I awoke no one.

Sunday Aug 19th

Today I awoke at 6:30 am and NO it was not raining! I headed to the showers in order to get an early start on packing up. As I finished my shower someone entered the room and said "Looks like rain". "NO NO NO NO!" I replied. 5 out of 6 previous Starfests have been pack up in the rain. By the time I got to my tent and inside it the rain began and never let up until we got to Belleville and was dry by Kingston! We spent almost 2 hours packing the van in the rain, no POURING rain. We even parked the van under a canopy so I could crawl up on the roof and pack stuff up there without getting washed off it. The three of us were completely soaked through when we went into Tim Horton's in Mt. Forest and half dry when we got to McDonald's at the 400.

Will I do it all again you ask. YES, Aug. 8, 2002! See you there, if you have what it takes.

The Summer of 2001, a KC-RASC summer to remember.....

By Kim Hay- a humble observer

All pictures taken by Kevin Kell and Kim Hay

Many members of the Kingston Centre-RASC have been very busy this summer. To start off after the summer solstice, which by the way was clouded out, and upset the plans of this sunrise watcher, (to bring in the official day of summer), there was the **General Assembly held in London, Ontario** from June 29 to July 1, 2001. There were 12 members from the Kingston Centre attending the GA. The National end of meetings started on June 29 with the 1st National Council meeting, with the acceptance of the following membership five year certificate award winners, Doug Angle, Tom Dean, Laura Gagné, Judith Irwin, Mark Kaye, Ian Levstein, Dave Pianosi, Ray Berg, Hank Bartlett. The following Kingston Centre members received their 25 year membership certificates, Frank Aldrich, Helen Brooks, Gordon Francis, and Javier Ramirez. These certificates were presented to members who were present at the Annual Meeting, held on July 1, 2001. For those members not present, they were sent out promptly upon return of the National Council Representative, Tom Dean.

This is a picture of those members of the RASC who were present, and who received their certificates.

One other major National event that happened at the General Meeting, was the acceptance vote on the fee increase. The new National membership fee for regular membership is \$44.00 – Kingston Centre members fee is (\$44.00 plus \$5.00 surcharge), Student fees are \$25.00, and life membership is \$880.00. There are other issues, involving the future discussion of fee de-coupling, the National membership fees and the Centre surcharges. This discussion will go on over the next several months, so please contact Tom Dean, Kingston Centre Representative for further information.



Now the whole GA was not all business, oh no, when meetings were held, others were constructing a Stargazer Steve 6" in the court of the conference facilities. This telescope was constructed in 2 hours, and those who helped build it, signed their name and were put into a draw, which was to be drawn on Sunday night at the Banquet. The winner was Pedro Braganca.



On our first night at the General Assembly, June 28, 2001 many of us were treated to a trip to the Hume Cronyn Memorial Observatory. The Observatory is located on the University of Western Ontario grounds. We had a history lesson on the Observatory by Dr. Paul Gray, with slides and then followed with a tour to the observatory to see the 25 cm refractor.



Though the cloud Gods did not co-operate, and we were unable to observe Mars that night, we ended up going back to Fanshawe College to partake in the London Centre's many evenings of fine hospitality, in room 620. Not only did this event start in the room, it then spilled over into the hallways. For those nights of cloud and light pollution, we astronomers took on a new hobby of singing (well that is what it was suppose to be), trying the local beverages, and some not so local, socializing, and re-uniting with old friends and good times. While others departed early on the Monday morning, other's stayed to visit 2 local wineries, Quai du Vin, a grape based winery, where we had a lunch, and a sampling of their wines, and then onto the Rush Creek Winery, which is a fruit based winery. Do not be



surprised if some of the London Centre members are contacted to see if they will be making a road trip down to the Kingston area, these wines were very refreshing.. The 2001 GA, hosted by the London Centre was a great event, one I will always remember, as its always nice to see old friends and meet new ones, these are the memories you will always hold close to your heart.

Well, we get back from the GA, and the Kingston Centre setup in on July 7, 2001 to help out with the **Sky is the Limit Festival**, which included lots of activities from helicopters, kites, police dogs, ham radio, obstacle courses, fire truck lift rides, pony rides, and of course rides for the kids. A tent was set up for us, by the organizing committee, and we were set up by 9:00 am. The tent

housed our ATM setup (hosted by our Observing Chair, Tom Dean), with a table and figuring a 7 inch mirror. Our hosts of the Tables of information (Don Mastriann, Kim Hay, Peggy & John Hurley, Dave Maguire), and host Steven Hart looked after the buzzer box of astronomy questions which was placed on a table for passing participants.



We had a total of 4

telescopes, manned by Hank Bartlett, Laura Gagné, Don Mastrianni, and Paul Winkler. Observations of the sun , were obstructed by clouds, however observations of Venus were also made.



There were a couple of new events planned for the setup this year, constructed by our very own editor, Kevin Kell. One was a Solar System layout with information on all the planets and pictures. To accompany this there were foot

action pump rockets, to try and boost the rocket to a planet, and learn about the solar system. This was quite the attraction for many children. The youngest was a 14 month old, who was helped by his sister to bounce on the pump, the rocket didn't go far, but the joy on his face was enough as if it was the shuttle going into orbit.

The event was well attended , with only a few slow times, but the rain held off for the day, and we all packed up by 4:30 pm, with a BBQ held at the home of Kevin Kell for a nice relaxing end to a good day. Thanks too all that helped out , and we all hope that someone walked away with the spark of a star in their eye, to enjoy astronomy yet another day.

Our next event was **Markfest 2001**, held on August 10, 2001 on the shores of Loughborough Lake. This was a regular meeting, but our host Mark Kaye and hostess Linda Santry put on another fine BBQ, with all the trimmings. This event was attended by over 25 members and their families. Once dusk approached we went downstairs with a talk on the Queen's Observatory by the guest speaker, Judith Irwin.



This meeting not only beautiful surroundings of the lake, there were no mosquitoes, or RAIN. It was a very clear evening with some observing, and even meteors from the Persied Meteor shower, which peaked on August 12, 2001 was seen. The evening ended around 11:30 for some of us, but I am sure there were a few lingerers to observe from Mark's observatory.



Later in the month, **Aug 16-19, 2001 was Starfest 2001**. Hank Bartlett, will be giving a quite eloquent description of the event, so as not to repeat I will move on to the next event that evened out the month of August.

On August 25, 2001, members of the Kingston Centre RASC once again attended the **Charleston Lake Astronomy Night** with guest speaker Terry Dickinson. Many of us showed up early around 7:00 pm to set up our scopes. There were over 22 scopes this year to help out with the participants after the ampitheatre talk. Friends of Charleston Lake Park, held a draw , \$2.00 a ticket, 3 for \$5.00. First prize was a Celestron Nexstar 114 Telescope, 2nd and 3rd prizes were a subscription to SkyNews. So this humble observer, thought she would support the park, and heck if she won the scope at the same time, bonus day for her. However, it was not meant to be. The winner of the Nexstar was Ken Roots of Osgoode, Ontario, and the 2nd and 3rd prizes going to Eroll Delima of Etobicoke, and Rob Sutton of Ottawa respectively. But that's ok, because the money collected will go to the maintenance of the park, which by the way, the trees have grown quite a bit.



After 9:00 pm, many participants came walking into the field, and were subjected to lightly moonlight skies and many scopes. They ranged in sizes from 3.5 inch homemade telescope to

the 18" Starmaster Obsession. The most popular telescope of the evening however, seemed to be the 8" Sky Watcher.

With well over 300 people going through the line ups, each had a treat to observe, from the Andromeda galaxy, the Ring Nebula, open clusters, and of course looking at the moon through an APO 4" refractor. There were some sporadic meteors that left trains for over 5 secs, and of course after the ooooooh's and aaaaaaah's, there were a few that missed them. However, I think everyone who was there, had a chance to see what the dark skies and heavens can offer. After sending Terry Dickinson a note later the next day, here is what he had to say to the Kingston Centre.



“ Hi Kim:
Thanks for the kind note. The Charleston Lake Astronomy Night was a great success again, thanks in not small part to the help of at least half a dozen

Kingston Centre friends again this year . Cheers Terry”

I for one, have had a very enjoyable astronomy based summer, one that I will never forget, as this is what it is all about, being with your friends and making new ones, and being with the stars.....a city dwellers long lost friend.

Hundreds of images are online our web site. See <http://members.kingston.net/rasc/whatsnew.htm> for the appropriate link.

Editor's Corner

by Kevin Kell

How did we ever live without web sites? I am pleased to inform you that we have over **200 pictures from Starfest 2001** online our web site to allow those would did not attend a chance to see a little about the event.

New Centres: **Prince George and Moncton** both have a web presence.. Possibly for quite some time, but we only learned of their URL's a short time ago.

Prince George <http://www.pgweb.com/~astronomical/>
Moncton: <http://members.attcanada.ca/~pejensen/rasc/>

Welcome new members:

- ☆Brian Gray, Kingston, ON
- ☆John Rossiter, Kingston ON
- ☆Donald C Cooke, Kingston, ON
- ☆Paul Kerr, Brockville, ON

Messier Hunters

Name	old status	recent additions	Current Totals
Tom Dean	36	0	36
Laura Gagne	65	0	65
Peggy Hurley	55	0	55
Kevin Kell	51	14	65
Kim Hay	0	17	17

Our last few **Public Observing Sessions** actually went ahead with good weather

Saturday July 7th 10:00-15:00 SOLAR OBSERVING at the SKY IS THE LIMIT FESTIVAL, City Park (Bagot Street) successful with hundreds of folks stopping by.

Tuesday July 24th saw 40-50 visitors

Tuesday August 21st saw 10-12 visitors

Speaking of the **Sky Is the Limit Festival**, check out the 41 photos of the event on our website. The easiest way to find it is to go to the WHAT'S NEW section and scan down from the top. Thanks to all those that came out to help.

Other updates to the web site in the last 2 months:

2001 August 20 - added 200+ images from Starfest 2001

2001 August 12 - added Caring for your optics page

2001 July 25 - revamped home page with some realtime imagery

2001 July 23 - added more Tshirts for a total of 40, added Ga2001 wine label, VandeWater Conservatory Area site of Fall'N'Stars 2001 near Thomasburg, and a picture from the observing group meeting on Saturday July 21st in Newburgh.

2001 July 18 - updated Help Wanted

2001 July 12 - added a Tshirt/Sweatshirt collection, and a Wine Label Art Collection

Treasurer's Corner

This is a reminder that we sell things!

And for Centre members on Centre produced material you get a 20% discount!

Item **Regular price (member price)**

Books

Expanding Their Universe Grade 9 \$15 (\$12)
Worlds to Discover Grade 6 \$15 (\$12)
Careers in Space \$5 (\$4)

Misc

RASC-KC pins \$6 (\$4.80)
Slide Set #1 (40 slides) \$75 (\$60)

Slide Set #2 (40 slides)	\$75 (\$60)
Slide Set #3 (20 slides)	\$35 (\$28)
RASC2002 Calendars	pricing TBA

Memberships

Regular 1 Year	\$49
Youth (under 21) 1 Year	\$27.50

Orders must be prepaid by cheque or by Institutional Purchase Order. You can email rascexec@cliff.path.queensu.ca or see our online catalog at <http://members.kingston.net/rasc/educate.htm> or mail the order to PO Box 1793 Kingston Ontario K7L 5J6 Canada

Johns NFLD hopes to host 2004. The national Estore is going well and there is interest in including Centre items as well. There were a large number of membership Certificates approved and distributed at the GA and Tom gave a few out at the meeting others will be mailed out. Doug reported the Fall 'N Stars prices are set and tickets are on sale now, Single \$15, Family \$25, Saturday pm dinner \$12. On the ATM front work continues on assorted parts. Meetings will continue on Tues nights for 2 more weeks and there will be a break until further notice. Leo took a moment to congratulate Jan on his photo display in the Journal. The meeting was adjourned to the parking lot for a quick peek at Mars and we actually attracted some passersbys.

Notes from the Secretary

Minutes of the Regular Meeting July 6th, 2001

The meeting was called to order by Laura and she began by introducing Tom and his observing tips for beginners. Tom gave a good list of binocular and naked eye standards along with a quick look at Comet Linear's path. Next Paul introduce our speaker of the evening, Kingston Centre member from afar Richard Schmude. Richard gave us an excellent presentation of his photometric observations of Mars. Included were the details of orbiting and landed probes, factors influencing Mars' brightness, measurement techniques, calculations, and possible future amateur contributions.

After a short break the meeting began again with Laura's report of an astronomical encounter in Greece where she was introduced to the Nestor project where a neutrino observatory will be lowered into a cavern in the Mediterranean. Paul reported the speaker line up of the next few months including a chance of having Cathy McWaters speak at our Annual Banquet. Also, August's meeting would be Marks BBQ and observing night. Susan reported that the mail had been quiet save a very nice note from Ruth Pow. At this point Doug asked Susan to find a new contact for progress reports on the 25inch.

John reported the latest fee increases that had been approved at the GA, +\$4 regular (\$49 KC members), +\$2.50 Youth (\$27.50 KC youth), +\$80 Life (\$880 KC members).

Tom reported the Public observing for June was very good with 40 to 50 people out. The seeing was good and detail was seen on Mars. Next public night is July 24th. Hank has volunteered his place for members observing July 21st. Tom is still looking for a volunteer for October. Tom also reported on the National council scene and the thorny issue of decoupling fees. A vote on this issue is a long way off if you have any special insights or suggestions please let Tom or the National Exec know. The next 2 GAs will be Montreal and Vancouver and St.

Minutes of the Regular Meeting August 10th, 2001

The regular meeting at Queen's University was cancelled as usual for our Nth annual Markfest BBQ and observing session at the home of Mark Kaye! The Secret Guest Speaker was our own Judith Irwin with a great slide show of the new Queen's Observatory (still yet to be officially opened) and some of the work being done there. The weather was quite nice for a change!

Committee/Group News

ATM (Amateur Telescope Makers)**Group News**

The 24" telescope approaches completion! Shown below is one of the two new cast aluminum bearings for the scope.

Another project that happened just before Starfest was maintenance on the Douglas Telescope. The rocker box had taken many beatings and was repainted and the mirror was taken out and subject to a

cleaning following the protocol from Alan Ward and Moonward Vacuum Coating in Sudbury. (Which are now linked into our Observing Group section)

BOG (Beginners Observing Group)**News**

No
volunteers
have



stepped forward to take on the job of running the Youth Section, so at the moment it looks like the Beginners/Youth Group program is in **hibernation until further notice.**

CCD Group News

The last meeting for the summer was held on Saturday June 16th. The group will be on a summer hiatus and will return on the 3rd Saturday of the month in September (the 15th) at the home of Jan Wisniewski just north of Harrowsmith.

Education Group News

The 2nd edition of Expanding Their Universe (Grade 9) is well underway. The last production run of slide sets #1 and #2 have been labelled and stuffed and are on the inventory shelves.

Observing Group Meetings

These are regular meets at the home of members who volunteer their locations and homes to us on or near a new moon. Contact Tom Dean if you are interested in hosting a session.

September 21/22 Fri/Sat 2nd Annual Fall'N'Stars Star Party, this year held at the VandeWater Conservation Area just west of Thomasburg (about 20 minutes north of Belleville). Admission is \$15/person or \$25 family to allow us to pay for use of the facility. Dinner ticket for Saturday night only available in advance. Tickets are available at the gate, or from Dave Pianosi and Doug Angle.

October: TBA

November: TBA

December: TBA

RASC Kingston Centre Meetings

The Kingston Centre RASC meets once a month on the 2nd Friday of each month at 7:30 pm (19:30) in Mackintosh-Corry Hall, Room B-201 on Queen's University Campus **unless noted otherwise.** We have adopted a policy of moving any meeting that is held on a holiday weekend to the **WEEK BEFORE.**

2001 Officers and Executive Council

PO Box 1793, Kingston, On K7L 5J6
Infoline & answering machine 613-542-3974

President: Laura Gagne

Vice President: Paul Winkler

Secretary: Susan Gagnon

Treasurer: John Hurley

Librarian: David Maguire

Editor: Kevin Kell

National Council Rep: Tom Dean

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September-October Print Run=200

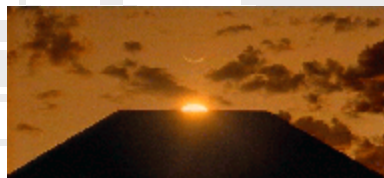
The Newsletter of the Kingston Centre of the Royal Astronomical Society of Canada

Newsletter Submission Info: The deadline is the 3rd Friday before regular meetings in odd numbered months. The preferred method is E-MAIL, then disk, lastly paper. E-mail: <kell@cliff.path.queensu.ca>

Fax: 1-613-533-2907 (with cover page to Kevin Kell)

Post: Box 2033 Kingston Ontario K7L5J8 Canada ascii or most major word processors (Corel WP8 for windows preferred) via E-mail or cdrom or 3.5" PC floppy disk

Event Horizon 2001



☆☆☆ September

☆☆☆

Friday September

14th 20:00-22:30

RASC-KC Meeting

Guest Speaker: Ken

Kingdon Topic: Deep Sky Secrets

Friday & Saturday September 21/22 Fall'N'Stars Star

Party cohosted with Belleville Astronomy Club Contact: Dave Pianosi or Doug Angle

Tues Sept 18th Public Observing Session

Cancelled for the duration Beginners Observing Group Session

Sat Sept 15th CCD Group Meeting

TBA Education Group Meeting

☆☆☆ October ☆☆☆

Friday October 12th 20:00-22:30 RASC-KC

Annual General Meeting and Elections

Tue Oct 23rd Public Observing Session

Cancelled for the duration Beginners Observing Group Session

Sat Oct 20th CCD Group Meeting

TBA Education Group Meeting

Wednesday October 31st Regulus Nov/Dec issue mailed out with Yearbook supplement

☆☆☆ November ☆☆☆

Friday November 9th 20:00-22:30 Dr. Barry Robertson (Queen's University) Topic: Sudbury Neutrino Observatory








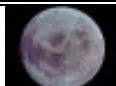
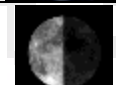
TBA: Annual Awards Dinner
 Tue Nov 20th Public Observing Session
 Cancelled for the duration Beginners Observing Group Session
 Sat Nov 17th CCD Group Meeting
 TBA STAO Conference (Toronto)












☆☆☆ December ☆☆☆

Friday December 14th 20:00-22:30 RASC-KC Meeting
 Tues Dec 18th Public Observing Session
 Cancelled for the duration Beginners Observing Group Session

Kim's Kingston Kosmic Kalendar

Prepared by Kim Hay

Full Moon		Sept 2 21:43 est
3rd Quarter Moon		Sept 10 18:59 est
Alberta Star Party, Caroline AB Eccles Ranch Observatory		Sept 12-16 http://www.syz.com/rasc/asp.htm
Zodiacal Light Visual in N. Latitude in East before start of morning twilight for next 2 weeks.		Sept 16
New Moon	DARK SKIES	Sept 17 10:27 est
Autumn Equinox		Sept 22 23:04 est http://www.stcloud.msus.edu/~physcrse/astr106/emapautu/mn.html
Fall "n" Stars Belleville/Kingston Astronomy Clubs		Sept 21-23 http://www3.sympatico.ca/aimdave.pianos/rasc.htm
1st Quarter Moon		Sept 24 9:31 EST
Full Moon		Oct 2 9:49 EST
3 rd Quarter Moon		Oct 10 0:20 EST

Zodiacal Light Visual in N. Latitude in East before morning twilight for next 2 weeks.		Oct 15
New Moon	DARK SKIES	Oct 16 15:23 EST
Orionid Meteor Peak		Oct 21 10 pm. EST
1 st Quarter Moon		Oct 23 22:58 EDT
Daylight Savings Time ends		Oct 28 2 am EDT
Full Moon (The Hunter's Moon)		Nov 1 0:41 EDT
S.Taurid Meteor peak		Nov 2 9:00 pm EDT
3 rd Quarter Moon		Nov 8 7:21 EDT
N.Taurid Meteor peak		Nov 12 8:00 pm. EDT
New Moon	DARK SKIES	Nov 15 1:40 EDT
Leonid Meteor peak		Nov 18 5 :00 am EDT additional peaks expected at 1:00 pm EDT
1 st Quarter Moon		Nov 22 18:21 EDT
Full Moon		Nov 30 15:49 EDT

For more detailed information, please refer to the RASC 2001 Calendar, and the RASC 2001 Observers Handbook. The RASC 2002 Calendar is now available, with the 2002 Observers Handbook available in early November 2001. Available from your local promotions committee or from National Office and the new e-Store at , <http://www.rasc.ca/>