



The Bulblet



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President's Lily pad message

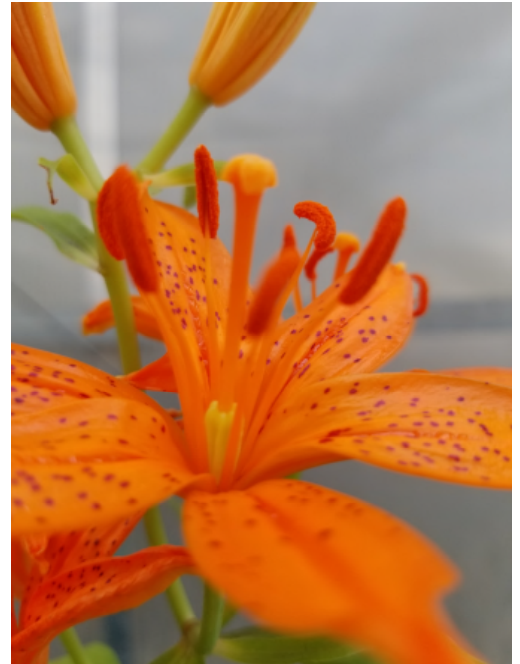
Like us on Facebook; Follow us on Twitter

If you haven't checked out the updated website: www.arls-lilies.org.

I hope that everyone had a great fall and got those bulbs you bought at the fall sales safely tucked away in the garden (or the cooler or fridge crisper if you ran out of planting time). I know that when the first snowfalls arrived in mid-September, I was a little anxious because I still had bulb orders that hadn't arrived yet and also had about 100 bulbs that needed to find spots in the garden. Fortunately, we had a reprieve from winter and I took advantage of the extended season to finish planting and even got some garden cleanup done. And the great part about gardening is there will always be next year too!

As the end of the year looms I want to take a moment to reflect and thank all of the amazing volunteers that have supported all of the ARLS events and initiatives. In 2018, with the support of this incredible group of supporters, we continued to work hard at *Promoting genus Lilium as an excellent garden plant*. From the Winter Mingle in February to the spring and fall bulb sales and the Martagon and Annual Shows in July, we were out there showing gardeners and the public how much fun they can have growing lilies and what a great group of people they would get to know. We have also made great progress in the development of our new ARLS website as a tool for promoting our events as well as providing access to resource materials. I would like to give an individual shout out to Britta Johnson for her leadership and ongoing support of that Project. I am very excited to see what we will set our sights on and accomplish in the coming year. Thanks again to everyone that has been involved and to those that will be joining us in our endeavours in 2019, I cannot wait to work cooperatively with you!

I want to provide a bit of a preview for a couple of items that we are currently working on. This past July we had Justin Pasula, a local videographer; join us at Greenland for the Annual Lily Show. With his innovative support we have put together a video promoting the finer points, as well as some tricks, to showing lilies. We





are working on a few final edits and will have the video posted on our website very soon, watch for it! We are considering other potential topics for videos and will keep you posted. Another really exciting announcement that we have for 2019 is that internationally renowned northern (Hay River, NWT) lily grower, Darm Crook, will be joining us at the ARLS AGM on April 27, 2019 to share some of his insights and tips on growing lilies. Make sure you mark your calendars now because you are not going to want to miss this discussion.

As we now settle into winter and start to dream about spring, if you are looking for some great lily reading, we still have a couple copies of Pontus Wallsten's, *The lily species and their bulbs* book. This would also make a great Christmas gift for that lily lover in your life.

Happy holidays and may 2019 bring you and yours much health and happiness (and joyous gardening too!)
Lorne

ARLS AFFILIATES

Alberta Horticultural Association icangarden.com/clubs/aha

Calgary Horticultural Society calhort.org [@YYCGardening](https://www.facebook.com/calhort) <https://www.facebook.com/calhort/>

Edmonton Horticultural Society edmontonhort.com [@YEGgardening](https://www.facebook.com/YEGgardening)

<https://www.facebook.com/groups/14571255402/>

North American Lily Society lilies.org <https://www.facebook.com/NorthAmericanLilySociety/>

RHS Lily Group www.rhslilygroup.org/

BULB SALES 2019

Contact Britta to volunteer for a bulb sale shift or packing party.

You get 10% off plus you get first pick of the bulbs. Book your time and reserve your bulbs.

The bulb sale list may not have all sale bulbs listed. It is a listing of what ARLS has ordered or been offered in time for publication.

APRIL:

Bonnyville

Calgary Hort. Society Garden show

MAY:

St Paul Critter swap and plant sale

Fulton Place gardeners swap, Edmonton

SEPTEMBER:

Greenland Garden Centre, Sherwood Park

Edmonton Hort. Society September meeting

ARLS EVENTS 2019

WINTER MINGLE Sunday Feb 24 2- 5 pm Crestwood Hall 14326- 96 Ave Edmonton

Come out and share goodies, seeds, your garden pictures. Silent Auction. Possibly get your fingers into some dirt.

Annual General Meeting Saturday April 27 10 am- noon, Speaker in afternoon.

We have internationally renowned northern (Hay River, NWT) lily grower, Darm Crook, joining us at the ARLS AGM on April 27, 2019 to share some of his insights and tips on growing lilies.

Make sure you mark your calendars now because you are not going to want to miss this discussion.

Martagon Lily Show Saturday/ Sunday July 6 & 7 U of A Botanic Gardens Spruce Grove Hwy 60

Annual Lily Show Saturday/ Sunday July 20 & 21 Greenland Garden Centre, Sherwood Park



Eros shown by leuan Evans



Evans seedling Shown by leuan Evans



You know the show is good when the dragonflies come calling.



Thesire shown by Britta Johnson





LILY SOURCES

Bertha Lardner: Martagon Lilies NE Edmonton 780-478-7929 lardnerbm@gmail.com

Valley K Lily Ranch Lynnette Westfall; Asiatics, OTs, some martagons & species

RR1 Edberg TOB 1J0 <http://plantlilies.com> great resource and lily gallery. mail order only
bulbs@plantlilies.com

Parkland Lilies - Fred Fellner seedlings RR1 Vermillion 1-780-853-2355 final last years of hybridizing

Rundlewood Gardens Specialty Nursery & martagons 1643 Altadore Ave SW. Calgary (corner of 16th Street and 46th Ave SW) <http://www.rundlewoodgardens.ab.ca/> info@rundlewoodgardens.ab.ca location shopping only- no mail order shipping. Stop by when in Calgary- check website for hours.

Lily Nook Nigel & Joyce Strohman; all things lily

Box 846 Neepawa Man. R0J 1H0 <http://www.lilynook.mb.ca> 1 204 476 3225 info@lilynook.mb.ca

Skinner Nursery Hugh Skinner; martagons, species, asiatics

Box 220 Roblin Man. R0L 1P0 1-204- 564-2236. ski_hugh@mts.net

Jeffries Nurseries Ltd. P.O. Box 402, Portage la Prairie, Manitoba, R1N 3B7

29053 Trans Canada Highway #1 35 miles west of Winnipeg near Portage la Prairie Man. www.jeffriesnurseries.com/
204-857-5288 jeffnurs@mts.net

SW-Gardens Sandra-Pat Willis; lilies from various divisions

22507 Kenesserie RD Thamesville ONT. N0P 2K0 <http://www.s-wgardens.com/> 1-519-692-5580
swgardens@yahoo.ca

LilyCrest Gardens Brian Bergman; Bergman seedlings, [OTs, asiatics, orientals & trumpets from active hybridizing]

51 Woodcrest Dr. Toronto ONT. M9A 4J3 [Facebook.com/LilyCrestGardens](https://www.facebook.com/LilyCrestGardens) 1-416-614-6394 bfberg@rogers.com



great companion plant for under lilies.

A low growing annual. loves hot & dry, but will do well in shady moist conditions, a great ground cover- self seeds. Attracts bees

Blooms until it freezes. Will withstand light frost. Brittle stems. does not transplant well. If you deadhead the plant will last longer.

Dessert Bluebell

Phacelia campanullonia 'BLUE WONDER'

Do your fingers itch yet? Buy a house plant if you long to garden.



THE ALBERTA REGIONAL LILY SOCIETY NEWSLETTER
THE BULBLET VOLUME 33, NUMBER 4 WINTER 2018

ARLS OFFICERS TO 2019

PRESIDENT	Lorne Kaban	Bonnyville Phone 780.812.3533	pres@arls-lilies.org
VICE PRESIDENT	VACANT		
PAST PRESIDENT	VACANT		
SECRETARY	Laurie Hepper	Edmonton Phone 780.916.0922	sec@arls-lilies.org
TREASURER	Britta Johnson	Edmonton Phone 780.433.7869	treasurer@arls-lilies.org

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Mike Danchak	Edmonton	Phone 780.462.0615	mikedanchak@yahoo.com
Ieuan Evans	Spruce Grove	Phone 780.987.4398	Dr.IREvans@gmail.com
Dianne Skimming	Calgary	Phone 403.274.4747	diskimming@gmail.com

DIRECTORS 2017-2019

Suzanne Stack	Gibbons	Phone 780.710.0775	sueingabs@gmail.com
Bill Mackay	Innisfail	Phone 403.227.3563	bmackay@telusplanet.net
Suzanna Durand	Spruce Grove	Phone 780.743-5128	dominaterra@gmail.com
Leo Krupka	Edmonton	Phone 780.484.8714	oma.opa2@shaw.ca

LIBRARIAN (Board Appointed-to 2018)

Terry Willoughby	Spruce Grove	Phone 780.968.1818	library@arls-lilies.org
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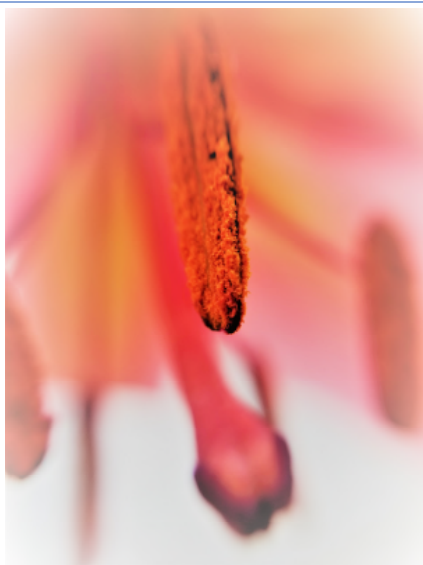
WEB EDITOR (Board Appointed-to 2018)

Shauna Willoughby	Spruce Grove	Phone 780.968.1818	webeditor@arls-lilies.org
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NEWSLETTER EDITOR VACANT fill in blackmartagon@gmail.com news@arls-lilies.org

ARLS COMMITTEES

Bulb Sale Chair:	VACANT
Advertising & Public Relations:	Suzanne Stack
Publishing Committee Chair:	Shauna Willoughby
Venue Coordinator:	Laurie Hepper
Membership Chair:	Britta Johnson members@arls-lilies.org
Web Committee Chair:	VACANT; Laurie, Britta & Shauna members
Speakers Committee:	Lorne Kaban, Bill MacKay, Terry Willoughby
OLDS College Committee Chair:	Bill MacKay
U of Alberta Botanic Gardens Committee Chair:	Britta Johnson
AGLC-GAIN Funding Chair:	Laurie Hepper
Casino 2018 Chair:	Ieuan Evans
NALS Liaison:	Shauna Willoughby
24th Martagon Show Chair 2019	Lorne Kaban
34th Annual Show Committee 2019	Suzanne, Dianne, Lorne, Britta, Laurie



Pollen close up of Best in Show



Willoughby entry in show



Kaveri



UNIVERSITY of ALBERTA BOTANIC GARDEN NEWS

Events at the garden: check out the website for all events <http://botanicgarden.ualberta.ca/>

Twitter <https://twitter.com/UABotanicGarden>;

Facebook <https://www.facebook.com/UABotanicGarden>

NOMINATIONS FOR THE NALS REGIONAL MEDAL are being solicited please submit to Shauna Willoughby.

VOLUNTEERING WITH ARLS we now have a procedure to follow and track volunteer hours. When a volunteer reaches the required hours, they are eligible for a lily bulb. Please make sure you confirm your hours volunteered with your volunteer coordinator.



ARLS had the opportunity of getting 30 of these books. The final few are for sale at \$72 CDN. Postage is extra if we have to send them to you. Makes a good Christmas gift for a gardener.

Pontus Wallsten **The Lily Species and their bulbs**

Does anyone want to provide a 1 paragraph book review?

ARLS MARTAGON SHOW TROPHY.

In 2010 one of our members, Una Thompson, created and donated a lily needlepoint tapestry to be the perpetual trophy presentation to the Best Lily in Martagon Show. In 2011 the ARLS Board of Directors voted to change the name of the award to the **FRED TARLTON AWARD-BEST STEM OF THE MARTAGON SHOW**. The tapestry was presented along with this award. In 2016 ARLS encased this tapestry into a shadow box frame centrally mounted with small plaques of all the winning stems and the presenters for each year of the Martagon Show, displayed within the case.

Unfortunately show records are not comprehensive and not all winning stems and exhibitors are engraved on the plaques for each year. If any member knows the show statistics of **any** of the early shows please email balckmartagon@gmail.com so the records can be updated.



Beetle Musings lilybeetle@arls-lilies.org

report to ARLS if you have questions, I will try to answer them.

Report your invasion. With a picture To Carlton University lilybeetletracker@weebly.com

There is also a resource page on the website

Report your beetles - with a picture to Olds College Kfry@oldscollege.ca

If you are in need of beetle brochures to give to a friend or neighbour. Contact sec@arls-lilies.org

(photos L.



Hepper)



KEEP WATCH. KILL THE BEETLE. REPORT THE BEETLE. NALS quarterly bulletin has a second edition of what works to decrease beetle activity on your lilies. It would seem that a combination of hand picking, spray and diatomaceous earth is the best deterrent.

ADVENTURES WITH LILY BEETLES- Laurie Hepper

Autumn was beetle free. Still went hunting, but they were definitely in other parts of the city. While I do not whole heartedly believe chemicals is the way to go in pest management, when you are not out in your garden everyday some pests will decimate your garden and you then revert to pest free plants. It does make for a boring garden when you can't have the plants you want due to a few bugs. I'm still trying to talk myself into the value of Virginia Creeper and its associated pests. Maybe I will just keep trying to grow Wisteria. Hope the spring emergence is low and the migrations miss your garden next year. Happy gardening.

Members receive discounts at the following businesses:

* **ALL SEASONS GARDEN CENTRE.** 10027-81 Ave. Edmonton 10% discount. Membership card must be presented and discount may not apply to all products.

* **APACHE SEEDS LTD.** 10136 149 ST., EDMONTON 10% discount. Membership card must be presented and discount may not apply to all products.

* **CANNOR NURSERIES LTD.** TWP RD 514 WOODBEND RD, SPRUCE GROVE (west of Devonian Gardens) 10% discount. Membership card must be presented and discount may not apply to all products.

* **ELLERSLIE GIFT & GARDEN** 10330 Ellerslie Rd SW, Edmonton Membership card must be presented prior to purchase and discount may not apply to all products.

* **VALLEY K LILY RANCH** aka **plantlilies.com**

15% discount on all bulb orders, excluding shipping. Contact Valley K by email at webmaster@plantlilies.com to request the discount code BEFORE ordering. Follow Valley K on Facebook <https://www.facebook.com/plantlilies> sometimes she has contests.

Looking for that one of a kind Lily gift try out these websites:

<https://www.zazzle.ca/lily+christmas+stockings>

<https://www.aliexpress.com/item/3D-Pink-purple-Floral-bedding-set-duvet-cover-california-king-size-queen-full-double-quilt-fitted/32542527546.html?spm=2114.search0104.8.25.35cb50e5pkzWSY>

<https://society6.com/tapestries/lilium>



Orange Meadow Lilies
by Photography By Muzik





Species Spectacular Season of Sharing Contest

Do you know what a species lily is?

Wikipedia provides the following definition: *Lilium is a genus of herbaceous flowering plants growing from bulbs, all with large prominent flowers. Lilies are a group of flowering plants which are important in culture and literature in much of the world. Most species are native to the temperate northern hemisphere, though their range extends into the northern subtropics. Many other plants have "lily" in their common name but are not related to true lilies.*

So, what does that really mean? If you've ever wondered where that beautiful cultivar that you have in your garden came from, it all started with a species lily. They are those wild or native lilies that exist across North America, Europe and especially Asia (Japan, China, Burma, and India) and were used by and continue to be used by hybridizers to create the incredible magnificent lilies we see today. A classic example is the well known martagon Mrs. R.O. Backhouse, which is a cross between *L. martagon* x *L. hansonii*.

As is the case with so many species around the globe some of our lily species are in jeopardy because of development or habitat destruction. We as lovers of Genus *Lilium* have a responsibility to ensure the preservation of these unique and diverse lilies. There are generally a couple of species lilies available at annual bulb sales each year so hopefully you have a few growing in your garden.

So that brings us to the fun and fantastic contest that ARLS is going to be holding next summer!! To support and encourage the growing of species lilies we are asking you to take a photo with any of the species lilies growing in your garden and either share them on the ARLS Facebook page or send them to me at dlkaban@hotmail.com and I will post them. For each individual species that is shared you will receive an entry for a draw at the end of the season to win a special species lily bulb. The contest will start at the beginning of the growing season in 2019, so you still have time to get a bulb or two of species lilies!

Can't wait to see your species lilies!

L. duchartriei



President's Challenge – "Show Us Your Lilies"

This year we had a great contingent of exhibitors at both the Martagon and Annual Lily Shows. The exhibitors brought in a fantastic selection of stems and the competition was friendly, but intense and when all the judging was done many different winners were crowned! Sadly, we were not able to award the First Time Exhibitor Award at either of the Shows.

So, in an effort to inspire some new exhibitors I am issuing the President's Challenge! If you are interested in participating you need to come out to one of this Fall's Bulb Sales and you will be able to receive one FREE lily bulb, but in exchange you will have to sign up to participate in one of next year's Lily Shows. Because I am committed to keeping our regular exhibitors involved in showing lilies, I am also willing to provide them with a FREE bulb as well, as long as they also bring a stem in to one of next year's Shows, but they will not be able to participate in the FTE competition. If someone accepts a bulb and does not follow through with bringing in a stem to one of the Shows next year then I will ask them to make a donation to ARLS to support other Society initiatives.



Activities with our Olds College partners during the 2018 Season

By Bill Mackay

There are a number of lily related projects that are ongoing with our partners at Olds College. Partnerships involve individuals who are working together to the benefit of all parties in the partnership. In the case of our partnership with Olds College our primary partners are Jane Reksten and Dr. Ken Fry.

This year our contribution to Olds College was used to support Alexa Bricker who had finished her second year at the University of Alberta majoring in biology and minoring in agriculture. During her summer employment at Olds College Alexa lived with her parents on the family farm in the Olds area. In addition to her practical work garden work with lilies Alexa did a lot of data entry and analysis as well. She also did laboratory work for Ken Fry related to the lily beetle study. Most of our summer students have been attending either the University of Alberta or the U. of Calgary. We need people with computer skills (Excel and other data bases) as well as a willingness to get their hands dirty.

The reports from Jane and Ken are of a technical nature. We don't expect them to provide historical perspective every year. That is my job. In particular I want to give some background for Ken's report.

Ken's work has been focussed on lily leaf beetles, *Lilioceris lili*, and their biological control using the parasitic wasp, *Tetrastichus seitifer*, which is specific to the lily leaf beetle. When Ken started a few years ago nothing was known about how this insect would adapt to climates this far north or what he needed to do to obtain raise wasps for distribution to other sites. This year, and in the past two years, the summer student has collected larvae/pupae of the beetle from the experimental lily plots located at the north east corner of the campus. In order to get good data from the lilies in the plots the beetle needs to be controlled so for the past three years we have used a combination of picking larvae off the lilies and the parasitic wasps which were introduced in 2016. Beetle larvae and pupae have been collected from these plots for Ken's studies of the wasp.

During 2018 Alexa regularly hand pick beetle larvae. Most are killed but Alexa kept some larvae to be reared under laboratory conditions until they pupate so that the amount of parasitism by the wasp could be evaluated. The wasps don't parasitize every beetle larva. Ken's data from this year indicate that the wasps don't parasitize the beetle larvae in May and August although they are very effective in June and July. There are still many issues to be solved in order to obtain large numbers of wasps in the laboratory from infected beetle pupae.

2018 Lily Beetle Research Update

Dr. Ken Fry, Olds College

Lily Beetle Larvae Collections:

The lily plots were randomly sampled beginning May 22, 2018, and sampled once per week for 10 weeks. There were a total of 148 plants in the population being sampled with 30 plants sampled each sampling date (20.27% of the population). The plants selected for sampling each date were randomly determined.

One hundred nineteen (119) lily beetle, *Lilioceris lili*, larvae were collected from the lily plots in 2018. Sixty (60) larvae were fed on excised lily leaves and allowed to pupate in plastic containers filled with vermiculite wetted with tap water. Fifteen (15) adult lily beetles emerged from the pupae, an emergence rate of 25%. The



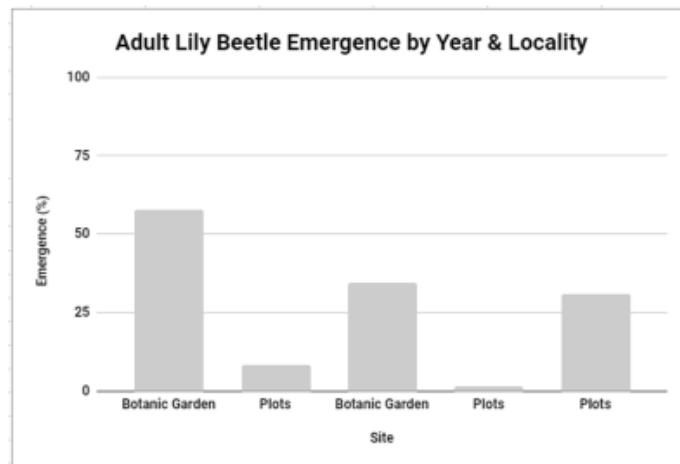
remaining pupal cells were dissected to determine parasitism rates. Six (6) pupae were parasitized with a mean of 11.3 parasitoid larvae per beetle pupa.

The remaining fifty-nine (59) larvae were dissected to determine parasitism rates. There was 100% parasitism of larvae collected in June and July and 0% parasitism of larvae collected in May and August. The mean number of parasitoid larvae per beetle larvae was 6.58.

There were too few beetle pupae arising out of the larval rearing process to allow for overwintering to recover wasps for release in 2019. A separate lily plot will be established in 2019 to allow for a lily beetle population substantial enough to support collections for rearing the parasitoid wasps.

An examination of the lily beetle emergence from 2016-2018 indicates that the parasitoid has been slow to colonise the Botanic Garden from the original releases in the lily plots (Fig. 1).

Figure 1. Adult Lily Beetle Emergence. The first two bars are from 2016, the next two from 2017 and the last one from 2018



Lily Beetle Parasitoid Rearing:

In 2017, 826 larvae were collected from the lily plots and reared in plastic chambers containing vermiculite. They were provided with excised lily leaves to complete development to the pupal stage. Three hundred seventy-two adult lily beetles emerged in 2017. The remaining pupae were stored at 4°C until spring 2018. The pupae were incubated at room temperature to allow the emergence of adult parasitoid wasps.

Two hundred thirty-three (233) adult *Tetrastichus setifer* wasps emerged between June 4 and June 12, 2018. These wasps were released at the Reader Rock Garden in Calgary (50 wasps June 7), a private residence in Airdrie (50 wasps June 4). And Olds College Botanic Garden (40 June 12). The remaining wasps were found dead in the emergence cages.

The low number of emerging adult parasitoid wasps was unexpected. All beetle pupae were then dissected to determine the status of the beetle pupae. Of the 454 pupae remaining, 361 were parasitized for a parasitism rate of 43.7%. There were a total of 3,638 parasitoid larvae, pupae and adults recovered from the beetle pupal



cells. Of the parasitized beetle pupae, 891 wasps emerged from the wasp pupa but did not emerge from the beetle pupal cell. Therefore, wasp development did occur in the beetle pupal cells but a substantial number of wasps did not complete development to adult or failed to exit the beetle pupal cell. Different rearing conditions and soil substrates will be tested in 2019.

Training:

A summer student, Alex Bricker, was employed to enter all records of lily beetle occurrence in Alberta into the Alberta database managed by Dr. Ken Fry and into the national database managed by Dr. Naomi Cappucino. The student monitored lily beetle populations in the lily plots at Olds College and assisted in rearing larvae for parasitoid monitoring and dissections of lily beetle pupae.

Extension:

Invited Presentations with Lily Beetle Research Results content:

- Calgary Horticultural Society Annual Conference, April 14, 2018, Calgary, Alberta
- Mid-Sun Community Garden Club, March 10, 2018, Calgary, Alberta
- Edmonton Horticultural Society, May 28, 2018, Edmonton, Alberta
- Entomological Society of Alberta Annual Meeting, September 27-29, 2018, Edmonton, Alberta
- Entomological Society of America, Canada, and B.C. Joint Annual Meeting, November 11-14, 2018, Vancouver, B.C.
- I met with Dr. K. Tewksbury of the University of Rhode Island. Dr. Tewksbury participated in the original work to have *T. setifer* introduced into North America. We discussed parasitoid rearing and the possibility of releasing a second species of parasitoid that has outperformed *T. setifer* in the United States.

ALBERTA REGIONAL LILY SOCIETY/OLDS COLLEGE RESEARCH SUMMARY FOR 2018

by Jane Reksten

In 2018 the Olds College/ARLS collaborative research had several areas of focus. The summer student who supported out work this summer was Alexa Bricker.

The lily trials in the Experimental Plots area are used for the collection of data on the performance of various *Lilium* cultivars in central Alberta. This area of the college grounds is used for research and education programming and is not open to the general public. Data collection was performed weekly during the growing season, results are recorded and are then added to the main database, allowing for comparison within a single year or to compare with historical information obtained from the same plant in previous years. Usually the performance of each cultivar is monitored for three consecutive years.

The collection of species lilies and Alberta hybridized lilies are in beds within the Botanic Gardens proper and are available to the public for viewing. Activity in this area is aimed at maintaining and broadening the collection of lily cultivars and *Lilium* species. We aim to keep these collections (Fred Fellner, AB Bred Lilies, and Species Lilies) labeled and maps showing the location of all cultivars are available on the Olds College



Botanic Gardens website so the public can access the information in a variety of ways. In 2018 significant changes were made to 3 beds. Details can be found below.

In addition, we continue to gather data on the lily leaf beetle and its control in both the trial plots and the collections plots. We are also investigating the efficacy of the parasitoid wasp in controlling the lily leaf beetle.

A fourth dimension of our collaboration is the promotion of the genus *Lilium* as a desirable garden plant. This is done as part of our public outreach program.

ACTIVITY DETAILS FOR 2018

- **Lily Plots**
 - Collected data on 60+ different lily cultivars
 - Lily beetles were controlled to a high degree in the collections in the Botanic Gardens, through diligent hand-picking. In the Plots, certain blocks of lilies have been identified as those that can be 'sacrificed' to the lily beetle to allow for research to continue. This will happen next year.
- The Experimental Plots area is being edited and re-organized on an ongoing basis and as is possible. Ideally the area would have several main subsections:
 - Lilies being trialed and data collected (generally in 3 year cycles)
 - Centennial Lilies being propagated for retail
 - Lily library – holding area for lilies present in the Botanic Gardens; ideally one of each cultivar in the collection of lilies in the Botanic Garden would be held in the Experimental Plots area.
 - Research projects – currently we are looking at the ability of lilies to adjust to different planting depths
- Lilies that have finished trials were removed
 - 10-15 of each bulb were kept and sold at the Greenhouse Sales
 - Rows were cleaned and prepped for new planting but will be left for one year to ensure no rogue lilies remain
- Sixteen new lily cultivars were added (3 bulbs of each cultivar) to the performance trials:

NAME	TYPE
Bentley	LA Hybrid
Black Charm	Asiatic
Canary Warf	Asiatic
Corsage	Asiatic
Easter Moon	Trumpet
Eyeliners	LA Hybrid
Fiamma	Asiatic
Heartstrings	Asiatic
London Hearts	Asiatic
Pearl Jessica	Asiatic
Royal Kiss	LA Hybrid



Salmon Flavour	Asiatic
Yellow Bruse	Asiatic
Purple Diamond	LA Hybrid
Caesar's Palace	LA Hybrid
Big Brother	Orienpet

- **Lily Beetle Research Update – Dr. Ken Fry** (full report is attached)
 - Alexa entered all records of lily beetle occurrence in Alberta into the Alberta database managed by Dr. Fry and into the national database managed by Dr. Naomi Cappucino. Alexa also monitored lily beetle populations in the lily plots and assisted in rearing larvae for parasitoid monitoring.
- **Botanical Garden Lily Collection - recording, revitalization and culture**
 - Last year the Fred Fellner bed was renovated with lilies being replanted. After two growing seasons the collection has failed to rebound. We made the decision to decommission the collection and compost the lilies as we believe the bed and the lilies may have been infected with basal root rot. We still have many Fred Fellner lilies in the Alberta Bred Collection. The bed will be planted with annuals
 - The Lily collection around the Gazebo now focusses on species lilies, some non-AB bred Asiatics, a few Martagons and a few other lily types. The desire is to continue to edit this bed to focus on species lilies.
 - A new, small collection of Martagons has been established. The following lilies, obtained from Bertha Lardner, were planted:

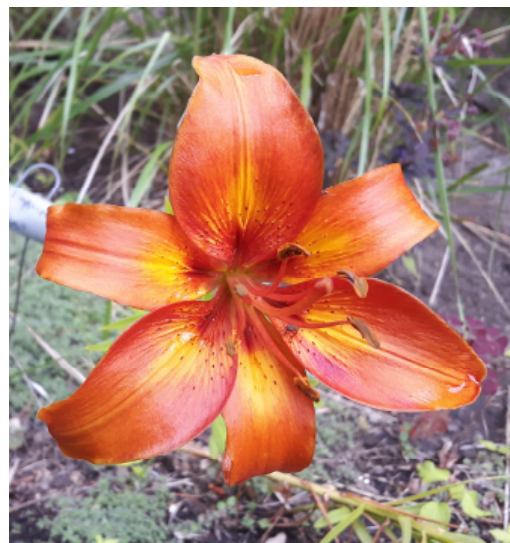
Claude Shrive
Autumn Color
Tsing
Sweet Betsy
Redman

- **Public Outreach**
 - The summary of this year's growth trials will be made available on the Olds College Botanic Gardens website as soon as the results have been approved for publication by the ARLS
 - The Manager of the Botanic Gardens made a presentation to the ARLS in April 21, 2018, summarizing the status of the partnership and presenting the work that is ongoing at the College. Discussion occurred around the sharing of photographic resources, and other ways that the two organizations can collaborate
 - No new articles were written in 2018 - new topics that could be developed in early 2019 including a summary of the 'best' lilies grown in the college plots, fasciation in lilies, lily mottle virus, etc.



Creamcicle an un registered martagon by Terry Willoughby

Caitlin's Sunrise registered Asiatic of Terry & Shauna Willoughby



Delta in profusion

REQUESTING NOMINATIONS

ARLS is now awarding the Cathy & Arnold Semeniuk VOLUNTEER AWARD for an outstanding volunteer who goes above and beyond in supporting our Society in its endeavours and events.

Please forward your nominations with a supporting letter to pres@arls-lilies.org

Annual General Meeting Saturday April 27 10 am- noon, Speaker in afternoon.

We have internationally renowned northern (Hay River, NWT) lily grower, Darm Crook, joining us at the ARLS AGM on April 27, 2019 to share some of his insights and tips on growing lilies.

Make sure you mark your calendars now because you are not going to want to miss this discussion.