

OROC

Open Registration of Cultivars

**“OH-
ROCK”**

WHY?

- ❖ Existing ISHS/RHS/ICRA system registers less than 2% of all new hardy herbaceous perennials, trees, shrubs, vines, conifers, and tender interior plants. How is that possible?
- ❖ SOLUTION: OROC has registered approximately 95-98% of new taxa our research has uncovered. About 1-3% of names are either invalid or with incomplete descriptions.

A decorative white floral border with intricate scrollwork and leaf patterns surrounds the central text. The border is symmetrical and features a central crest-like element at the top.

OUR PROGRESS

WOODY PLANTS

- ❖ 120 pages
- ❖ 350+ cultivars
- ❖ 4 updates since 2016
- ❖ 68 new *Acer* (maples)
- ❖ 25 new *Juniperus*

PERENNIALS

- ❖ 41 pages
- ❖ 220+ cultivars
- ❖ 3 updates since 2016
- ❖ 22 new *Baptisia*
- ❖ 32 new *Sedum*

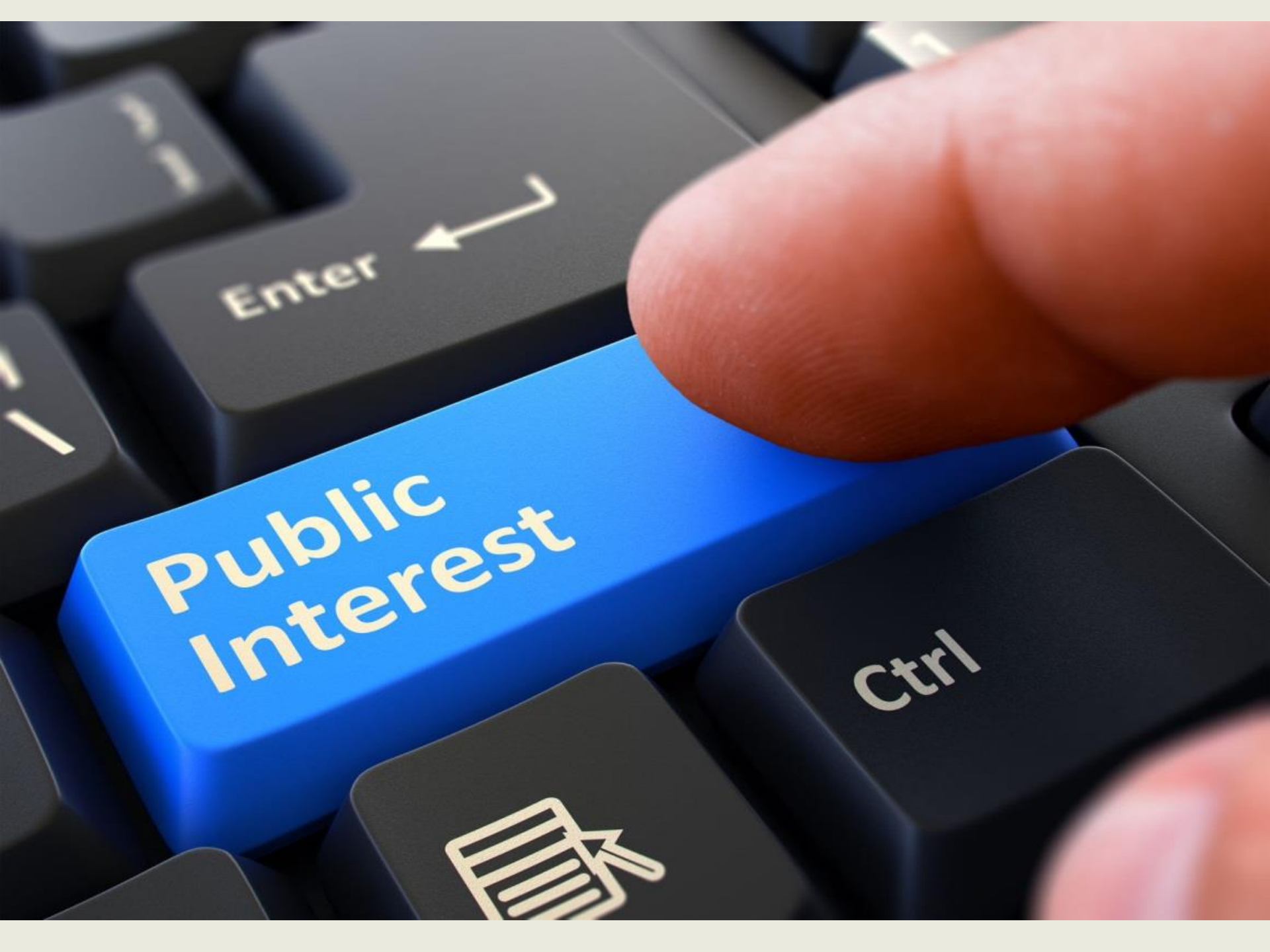


100% FREE

❖ ISHS/ICRA Registration fees can be up to \$32 per cultivar, sometimes with \$10-15 name reservation and \$15 revision fees.

❖ Register books costing \$25-115, back registrars costing up to \$700 for a full set. Your library is not likely to have them.

❖ SOLUTION: OROC is 100% free, no fees or charges



Public
Interest

Enter

Ctrl



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PUBLIC INTEREST

❖ Most cultivar registrars are set up to serve a particular plant society or garden. They requires fees, subscription to THEIR journal to see YOUR registration (yet more money), donation of a plant which they likely propagate and sell, forced donation of your copyrighted image which they later sell in other publications. Then they try to sell you color ad space!
SOLUTION: OROC is free of all this selfish nonsense.

LEAF MARGINS

www.infovisual.info



undulate



sinuate



serrate



dentate



lobate



scalloped



palmate



digitate



bipinnatisect



tripinnatisect



pinnatisect



palmatisect



pedate



palmatilobate



bipartite



tripartite



palmatipartite



pinnatipartite



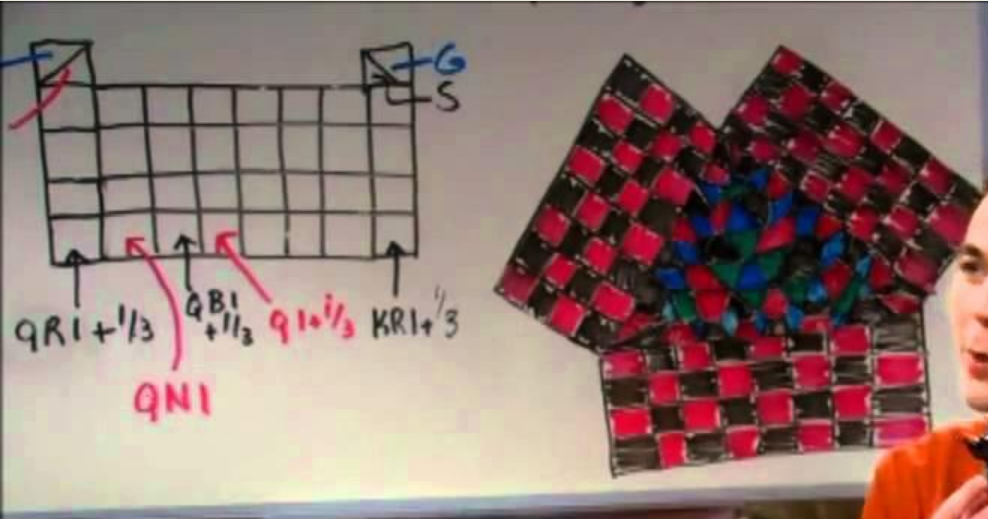
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FREE ASSISTANCE

❖ No technical assistance from registrars. Frankly, most of them are not taxonomists who are trained to evaluate names and describe plants with accuracy. A few are merely political appointees. Most will never answer your email questions. We know – we’ve tried scores of times.

❖ SOLUTION: OROC has two graduate-trained taxonomists and carefully trained Certified Registrars who will respond.



co-executive producer
Eric Kaplan



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NO GAMES

❖ We reported to the ISHS that one registrar forced registrants to donate a plant which he'd soon propagate and be listed as the sole source on the society's website! Wow! No wonder two top originators in that genus came to us instead. Another ICRA is known to have delayed publishing their registrations for about 3 years until their book came out. Talk about blatant abuse of the system.

CRAZY ICRA GAMES

❖ There are also the ISHS fees for reserving a name for a cultivar that does not yet exist. That's like registering a car not yet designed or asking for a birth certificate for a baby not even conceived. Then you have 3 years to produce and describe a plant! Another \$10 will extend the reservation. Another requires you to name BOTH parents of the cross and have propagated it true for three generations!



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WAIT NO MORE...

❖ Little or no response from Registrars, waiting weeks if not longer, even if checks for fees are cashed! I know one fellow with ten registrations is still waiting 2 years.

❖ **SOLUTION:** OROC responds in 48 business hours, usually same day and we're very detailed in our responses. Then we follow up in we need any clarifications. We get it right and with urgency. We actually care about you and your plants.

OROC

Open Registration of Cultivars



International Register of Ornamental Plant Cultivars

Book VIII Woody Plants

OROC of www.cultivar.org

Laurence C. Hatch, Chief Registrar and Editor

RAPID DATA RELEASE

- ❖ ISHS Registrations take months if not years to be published
- ❖ SOLUTION: OROC Registrars are published at cultivar.org and Google Play Books at least once a year for woody and herbaceous perennials. We even publish pending names as a way of communicating to the entire plant community what is coming out soon.



IGNORANCE IS...

❖ We simply need modern research, portability, international scope, and internet savvy registration. One ICRA registrar told me his institution did not give him an internet connection and he didn't have one at home. He'd have to ask a friend in another city to look something up. That was in 2014. Not surprising he did not know about scores of new cultivars offered around the world in web catalogs in HIS OWN genus!!



My books

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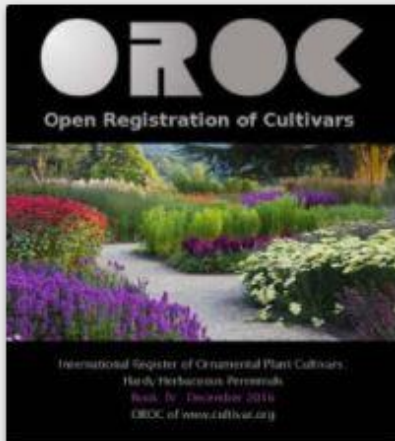
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International Register of Ornamental Plant Cultivars: OROC Book IV: Hardy Herbaceous Perennials

Laurence C. Hatch April 22, 2017
Cultivar.org

Add to Wishlist

Free Ebook

WHY?

- ❖ ISHS registrations often appear in obscure academic journals or society journals which cost \$15-320 a year, not widely seen in public libraries.
- ❖ SOLUTION: OROC Registrars have been published free from www.cultivar.org and offered for any device from the Google Play Books store, all 100% free. Over 58,000 different people have downloaded our registrars, many more using.

Plantus communis 'Emerald Wonder' - 2-4 ft. tall x wide, compact, dense, subglobose, remaining dense with age. Leaves more narrowly elliptic, 0.5-1.5cm long x 0.2-1.0cm wide, dark green above, glossy, red to orange in fall. Flowers as species. Or: <http://www.metropolisnursery.com> (wholesale only), accessed 3.19.2017, New for 2017 introduction, open pollinated from 'Green Magic', offered by retail mailorder by <http://smallnursery.com> and <http://smallernursery.com> |



Availability: In Stock #69302 ~~\$8.99~~ **\$4.99**
1 per pack
Quantity
- 1 +
Add To Cart

A bold, long-blooming perennial that is easy to grow and requires little care. Very



BUY IT NOW!

❖ Traditional ISHS registrations shy away from commercial promotions. But getting a new plant sold is what motivates originators in the first place! Why would they take time for a purely academic listing of their plants? They don't!

❖ SOLUTION: OROC provides free web links, email addresses, video links, and other sales tools. Many OROC readers are big buyers, collectors, and curators who want new stuff now!

Hatch's
Cultivars of
Woody Plants
2016-2017 Edition



by Laurence S. Hatch

HATCH'S
PERENNIALS
2017-2018
EDITION
BY LARRY HATCH



CULTIVAR.ORG EBOOK

A decorative white floral border with intricate scrollwork and leaf patterns surrounds the central text. The border is symmetrical and features a central floral motif at the top and bottom.

ALL CULTIVAR CONTEXT

-
- ❖ Traditional registrations lack the context of a complete checklist or monograph of all known cultivars. You need to know the old before understanding what is really new.
 - ❖ SOLUTION: OROC was created by cultivar.org who publish the 4000 page Cultivars of Woody Plants and 2500 page Hatch's Perennials. We have lots of context and history that has taken almost 40 years to create.

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WHO AND WHEN?

OROC was formed in 2014 by taxonomist Larry Hatch as spin-off of cultivar.org, formerly known as the New Ornamentals Society.

Thirteen of the group's volunteers took an interest in the project and were trained. Scores of experts around the world expressed interest, lent their support to the founding documents and sent in new cultivar data. Over 15,000 read our first register and today more than 58,000 have downloaded or read the woody register.


INOSA

Internet Nursery Catalog Archive

RELIANTS SONG SPARROW
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PHYSOCARPUS OPULIFOLIUS GINGER WINE™ ("SMNPOBLR") PPAF—Add to your shopping cart:

<u>1 plant</u> \$28.95	<u>3 plants</u> \$80.00	Other Quantity: 1 <input type="text"/>
<input type="button" value="add to cart"/>		





★NEW OFFERING

Spring foliage emerges a sunny orange color and matures to shining burgundy. Clusters of white flowers cover the plant in late spring to early summer, and these mature and form attractive red seed heads. The seed heads show up beautifully against the dark foliage. With their naturally graceful, arching habit, Ninebarks are best left unpruned. Grow Physocarpus 'Ginger Wine™' in a shrub border, as a screen, or focal point. A Proven Winners/Color Choice® selection.

Size: 5-6' tall and wide in 5 years. **Plant zones:** 3-7. **Code:** 3PHYGINW

PW
PROVEN
WINNERS™

COLOR CHOICE®

Smilacina japonica 'Snow Dragon'	Zones 4-8	#053-051
	Pure white broad marginal variegation form of Smilacina japonica. This had been 'High class variegated Smilacina' among the serious Japanese collectors. One of our supplier grow very well and kindly offer for oversea customers. Very rare and limited quantity for offering.	
Smilacina japonica 'Golden Dragon'	Zones 4-8	#053-050
	Very bright golden yellow form of Japanese Smilacina. Because of the less green, it has been rare and always supply short against the demand, since the photo had come up to Japanese plant magazine. Very rare and limited quantity for offering.	
Smilacina japonica 'Dragon's Treasure'	Zones 4-8	#053-023
	Gold leaf with green edge, very good contrast at shade garden. One of the best variegated smilacina in Japan. Very rare and limited quantity for offering.	
Syneilesis palmata 'Kikko'	Zones 4-8	#017-023
	Spider net patterned leaves selection of Syneilesis. Still rare and not widely available in Japan. Very collector's plant. Limited number available.	

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CULTIVAR HISTORY

❖ Many cultivars come out with little documentation.

Sometimes the originator dies, their nursery goes out of business, or the garden is sold. Then the cultivar gets famous

❖ SOLUTION: OROC archives digital copies of catalogs, press releases, correspondence, plant images, and other files to clearly document the cultivar for future researchers. Your institution can share in these archives too.



Open Registration of Cultivars



International Register of Ornamental Plant Cultivars:
Hardy Herbaceous Perennials
Book IV: December 2016
OROC of www.cultivar.org

FREE, PORTABLE DATA

- ❖ Registrations appear in obscure academic journals or society journals which cost \$15-220 a year, not widely seen in libraries
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NO MORE SILLY RULES

- ❖ Some ISHS registrars make up their own silly rules like 1) the cultivar looks like another (resemblant), 2) Series names cannot be used (ie. Silver Kolibri, Gold Kolibri), and 3) registrant did not submit a photo
- ❖ SOLUTION: OROC eliminates all these obstacles that you may have encountered. These are NOT their duties. Patent authorities can exclude similar plants but not ICRA.



Search the Hosta Database

[click here for Advanced Search](#)

Cultivar Name: Hybridizer (ONIR):

- Beginning of Cultivar Name
- End of Cultivar Name
- Anywhere in Cultivar Name

- Beginning of Name
- End of Name
- Anywhere in Name

Lily publications

The RHS is the International Cultivar Registration Authority for lilies, and publishes a Register of cultivar names used in the genus.

<u>Year</u>	<u>Title</u>	<u>Pages</u>	<u>Price</u>
2017	 5th Lily Supplement (1344kB pdf)	116	£5
2013	 4th Lily Supplement (850kB pdf)	68	£5
2012	 3rd Lily Supplement (894kB pdf)	75	£5
2010	 2nd Lily Supplement (711kB pdf)	67	£5

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I THINK SOME REGISTRARS DO A GREAT JOB

❖ So do we. That is why OROC has an Excluded Genera List for groups that are professionally handled: Bromeliaceae, Camellia, Dahlia, Dianthus, Fuchsia, Gladiolus, Hemerocallis, Hibiscus rosa-sinensis, Hosta, Iris, Lilium, Orchidaceae, Paeonia, Rhododendron, Rosa, Saintpaulia/Gesneriaceae, Syringa, and Tulipa. Kudos to this group of scholars!



PROACTIVE

REACTIVE

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PROACTIVE AND REACTIVE

- ❖ OROC uses both proactive and active researching, accepting forms and descriptions from originators but also researching over 750 major nursery catalogs, journals, patent websites, and other sources of new cultivar data each year.
- ❖ Our trained, certified Cultivar Registrars evaluate each name and compile available data for the register.

ACER060 - *Acer cincinatum* 'Lilypad' - leaves distinct bullate or convex along the separate, very obtuse, shallow lobes. It does have a rounded lily pad aspect.

PENDING - *Acer saccharum* 'Collins Caddo' - 45 ft. tall x 40 ft. wide. Leaves rich red in fall. Note: we are trying to determine if this is distinct from the original 'Caddo' maple or not.

ACER061 - *Acer nipponicum* 'Adisonack' - web: [https://www.forestry.gov.uk/pdf/Unique-tree-list-May-2012.pdf/\\$file/Unique-tree-list-May-2012.pdf](https://www.forestry.gov.uk/pdf/Unique-tree-list-May-2012.pdf/$file/Unique-tree-list-May-2012.pdf), accessed 5.1.2017

ACER062 - *Acer nipponicum* 'Dawy' - web: [https://www.forestry.gov.uk/pdf/Unique-tree-list-May-2012.pdf/\\$file/Unique-tree-list-May-2012.pdf](https://www.forestry.gov.uk/pdf/Unique-tree-list-May-2012.pdf/$file/Unique-tree-list-May-2012.pdf), accessed 5.1.2017

ACER063 - *Acer palmatum* BUTTERSCOTCH™ 'JWW8' - leaves mostly 5-lobed, strongly dentate in some lobes, bright pink at first, up to six weeks, slowly maturing to soft brown and later a dark green, becoming bright red in fall. web: <http://www.newplants.nl/en/planten/a/acer-palmatum-butterscotch-pbr-jww8/>, accessed 4.28.2017

ACER064 - *Acer palmatum* BROWN SUGAR™ 'JWW7' - habit strong, "ramifies well". Leaves chocolate brown at first, midrib and base tinged olive, later a dark green, later in summer new growth is more red. web: <http://www.newplants.nl/en/planten/a/acer-palmatum-brown-sugar-pbr-jww7/>, accessed 4.28.2017

ACER065 - *Acer* [Rochester Group](*A. griseum* x *A. maximowiczianum*) BRONZE TABLET™ 'AROY' - 7-10 ft. tall x 4-7 ft. wide (10 years), bark rich bronze, exfoliating, even young limbs showing good exfoliation. Leaves "clean summer foliage...red hues in fall". Ch: proven hard on Illinois and Wisconsin border. Or: Roy Kihem as 2nd generation selection. Web: [http://www.songsparrow.com/catalog/plantdetails.cfm?](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5029&type=WOODY.&pagetype=plantdetails&plant_name=Acer%20griseum%20x%20nikoense%20Bronze%20Tablet%3Csup%3ETM%3C/sup%3E)

[ID=5029&type=WOODY.&pagetype=plantdetails&plant_name=Acer%20griseum%20x%20nikoense%20Bronze%20Tablet%3Csup%3ETM%3C/sup%3E](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5029&type=WOODY.&pagetype=plantdetails&plant_name=Acer%20griseum%20x%20nikoense%20Bronze%20Tablet%3Csup%3ETM%3C/sup%3E), accessed 5.9.2017

ACER066 - *Acer triflorum* ARTIST ETCHING™ 'CROY' - 7-10 ft. tall x 5-8 ft. wide (10 years), bark "very light buckskin tan", much paler than typical, almost like *Betula nigra*, exfoliation extending well into smaller branchlets. Prop: own roots propagation by Klehm. Or: web: [http://www.songsparrow.com/catalog/plantdetails.cfm?](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5028&type=WOODY.&pagetype=plantdetails)

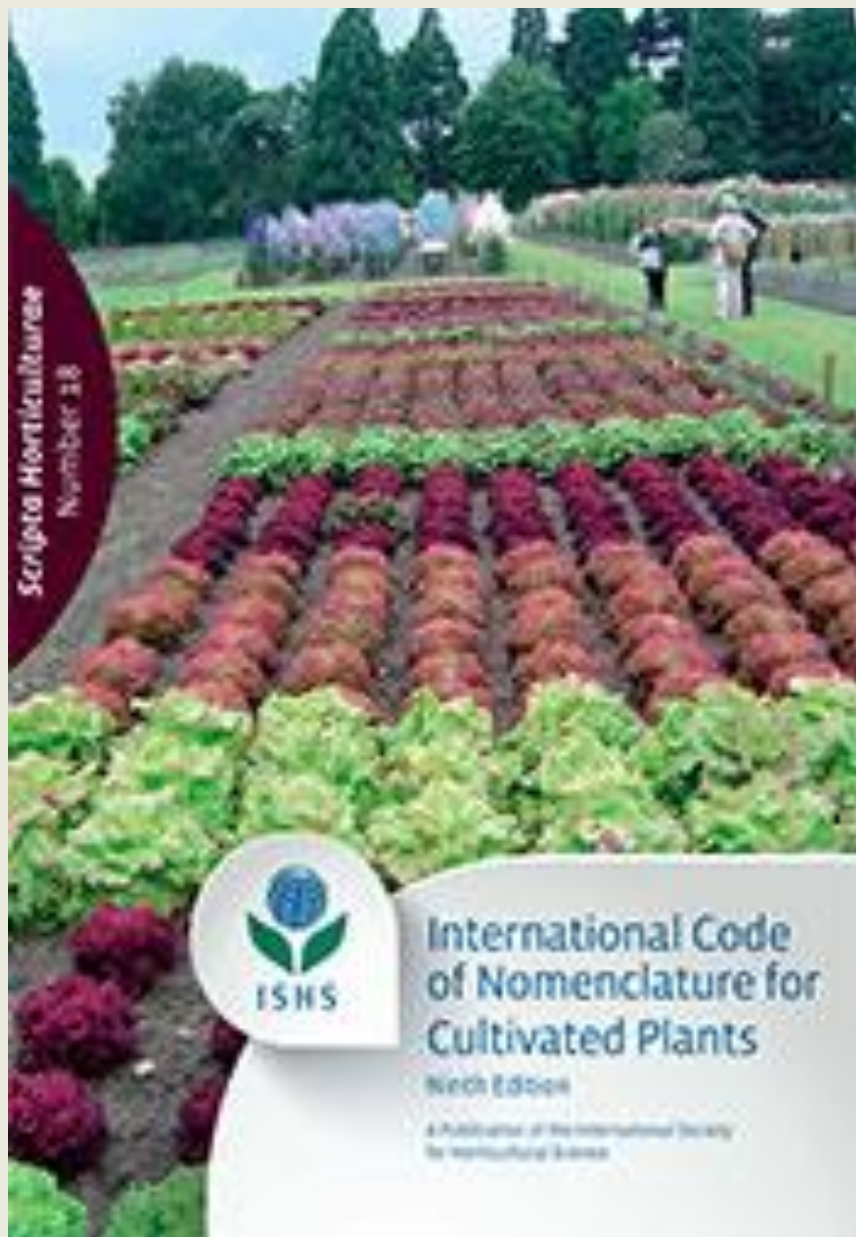
[ID=5028&type=WOODY.&pagetype=plantdetails](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5028&type=WOODY.&pagetype=plantdetails), accessed 5.9.2017

ACER067 - *Acer pictum* subsp. mono CANYON SUNSET™ 'KLMSS' - 8 ft. tall x 5 ft. wide (10 years), leaves in fall "changing blend of sunset canyon shades: burnt oranges and toasty golds". Propagated on own roots by Songsparrow/Klehm. Or: Klehm, intro 2016, sold out for 2017, [http://www.songsparrow.com/catalog/plantdetails.cfm?](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=3953&type=WOODY.&pagetype=plantdetails)

[ID=3953&type=WOODY.&pagetype=plantdetails](http://www.songsparrow.com/catalog/plantdetails.cfm?ID=3953&type=WOODY.&pagetype=plantdetails), accessed 5.9.2017

ACER068 - *Acer triflorum* ORANGE AGLO™ 'Jack-O-Lantern' - Growth up to 12 in. per year for first 15 years. Leaves 5.2 in. long x 3.75 in. wide, rich pumpkin orange, sometimes with red shades mixed in. Or: North Dakota State University, from nursery seedlings in 1995, original seed source unknown, this one the best of most durable trees evaluated over 16 years, intro. 2011.

AESC001 - *Aesculus pavia* 'Fishtail' (Mark Weathington, Raulston Arboretum)



Scripta Horticulturae
Number 18



International Code of Nomenclature for Cultivated Plants

Ninth Edition

A Publication of the International Society
for Horticultural Science

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ICNCP RULES...LITERALLY

❖ We use the International Code of Nomenclature for Cultivated Plants (ICNCP) just like the ISHS/ICRA Registrars as the basis of determining correct, valid names. We also have our own, carefully studied and constantly refined policies that deal with specialized issues such as Trademarks and color descriptors.



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FREE DATA

❖ Our data is not public domain but text of all registrations is free for any author to use with a simple set of guidelines.

Books, blogs, tweets, newsletters, magazines, and media of all types may use our free OROC Data.

❖ We cannot share images because many are donated by originators and we cannot redistribute their work. You may contact them about your own plans for their image



3G



www.reddit.com/.compact



DAPHN001 - *Daphniphyllum teijsmannii* 'Mountain Dove', a ghostly margined and seclered sport with contrasty violet-red petioles. Click image to enlarge. Image above is not part of OFROC Data Sharing and must not be used.

DAVI001 - *Davidia involucreta* 'Aya Nahik' (5/6)

lc: wide creamy-white margins becoming mottled bluish-green,

lc: white, and green. On the Buchholz website the margins are rich yellow, some are submarginal with banding.

or, pat: Akira Shibamichi, Japan, as seedling, US Patent applied for 5/11/2006

so, ph: http://www.buchholzrumsy.com/plant_page.html?id=26c15d

DAVI002 - *Davidia involucreta* 'China Compact' (2/10)

ha: smaller, more compact



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PORTABLE...EVERYWHERE

❖ OROC data is portable anywhere you go: in the garden, nursery, greenhouse, office, home, classroom, client's office, lab, or car. Our PDF files load easily on more than 440 known brands of phone, tablet, ebook reader, laptop, or desktop computer. You can freely share the text (not images) on social and other forms of media from anywhere you are.

RESPECT MY AUTHORITY!



WHAT'S YOUR AUTHORITY?

❖ The same as anyone else cataloging plants. The ISHS is a self-appointed operation with no legal standing as the exclusive agency for recording cultivars. Most courts and patent offices give them no special consideration and often contradict their views! Only PBR, Patent, and Trademark offices are governmental agencies. OROC has the training, knowledge, motivation, and means to get this fixed and done well.

**Required
Propagation
Method**

- Seed
- Vegetative (cutting, division)
- Vegetative (graft only)
- Tissue only
- Not determined/no comment
- Option

**CULTIVAR
DESCRIPTION** _____

Plant habit (shape)

- Columnar (narrow)
- Ovoid (oval or egg-shaped)
- Pyramidal (pyramid-shaped)
- Globose (rounded)
- Globose-mounded (tall mound)
- Decumbent or low mound
- Prostrate or trailing
- Other



HOW TO I SUBMIT A CULTIVAR?

❖ Several ways:

- One of our online forms
- Email the details to
ornamentals@lycos.com
- Email and say “see my catalog at.....”



FOR MORE OROC
INFO PLEASE VISIT

Cultivar.org