INTERNATIONAL REGISTER OF ORNAMENTAL PLANT CULTIVARS Woody Plants

Spring 2020



Laurence C. Hatch Chief Registrar

INTRODUCTION:

Here's 231 new and fun plants to collect and study. We thought the 2020 haul might reach 100 since our past Registers were in catch up mode, covering 2014 to 2019, covering hundreds of things forgotten or not reported in one place before. But the tsunami of creativity, genetic breakthroughs as well as "us too" clones continues. I would not have it any other way!

Warm thanks to all who have shared their cultivar data with the Open Registration Of Cultivars (OROC) project. This

is our latest edition and we are proud of this work. **More than 102,000 people** ("unique visitors" in nerd webmaster speak) have either viewed or downloaded the OROC Registers from more than a hundred countries over the world. This continues to affirm the need for this project and the demand for free, updated cultivar data of this kind. I started online with cultivar sources in 1993 with the New Plant Page and that same Tripod website which now features Cultivar.org just broke the 14 million pageview mark. It is truly a honor to learn from and assist such a wide, international audience with as much to share as I share with you.

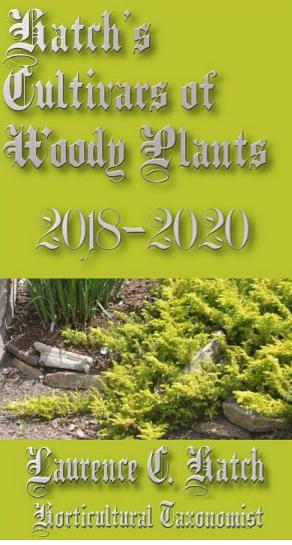
Beside sharing data, we very much need your financial support for this work to continue. Currently, OROC is funded entirely through sales of our Cultivar Encyclopedia at www.cultivar.org. When you subscribe to Cultivars of Woody Plants (CWP) you will have free access to the **OROC-NOW** webpage which shows our woody plant registrations in progress throughout the year. Everything goes into CWP over the weeks and months but OROC-NOW gives you a first, exclusive look as new data pours in. The annual register, such as this edition, will always be free to the public and offered once a year.



And speaking of free books, I want to plug my own 172-page ebook, **Taxonomy Of Ornamental Plants (TOOP)**, a guide to the latest research and techiques in the identification, nomenclature, and classification of landscape and floricultural crops. This PDF book is 100% free at Cultivar.org. Even if you are not a taxonomist (or perhaps generally hate that profession with it's infernal, eternal name changes), some of the discussed papers on how to separate out cultivars by DNA, chemical, cytological, and morphological techniques will likely interest anyone who loves tree and shrub varieties. There's lot of good information on cultivar identification and some of mine own original research in the mix.

International Register of Coleus Cultivars

More free stuff. **The International Register of Coleus Cultivars** is now free online at www.cultivar.org. It covers more than 1600 named variations from 1852 to 2020. Just a few years ago that important genus was out of control, sometimes with 3-4 clones and seed strains bearing the same name. The International Coleus Society (ICS) has worked diligently to sort out these differences and this new register has numerous catalog scans, leaf scans, and full plant shots to help sort everything out to a new degree of precision.



We often get emails of thanks from readers but some ask "great list...but where's the rest?". The rest is here: **Cultivars of Woody Plants (CWP)** has the other cultivars as part of it's 6540 page contents. If you need or want the bigger picture, the everything on the bagel, please subscribe and while doing that you support the OROC work. CWP describes 547 Acer palmatum cultivars, over 1200 Juniperus, 88 Acer rubrum/x freemannii, 173 Aucuba, 403 Lonicera, 85 Nandina,185 Betula, 75 Taxodium,159 Juniperus horizontalis, 446 Thuja, 318 Buddleia, 103 Cercis, 351 Chamaecyparis obtusa, 613 Cornus, 209 Ginkgo, and I could go on. Almost all these cultivars are described so this is not another name list of dubious merit by a bunch of paid compilers who can't spell. I've put 41 years and a small fortune into it to get it right.

Why are registers of this kind important and useful?

- 1. They stabilize nomenclature by discouraging duplicate or too similar epithets.
- 2. They establish origins and traits of cultivars as a document of record which can be cited
- 3. They get these great new plants sold by going before thousands of influential buyers and collectors in 100+ countries. Free marketing is never a bad thing. Yes, there are many new varieties articles and websites but OROC is often a favorite "go to" if you want more of the picture and not just a sampling of new material from one or two countries.
- 4. Curators use our OROC editions as documentation of their living accessions. Very few reference books, not even mine right now, have these new cultivars on their pages. Yet. With our OROC Data Sharing policy any author and garden writer can borrow text from our documents under specific, flexible terms.
- 5. They help breeders know what is already out there and whether they should do something similar or not. One feller wrote me that he read about a new cultivar and thought it would greatly improve his breeding stock as it were, giving his efforts new diversity and some fresh goals. We like to hear that.
- 6. Help collectors find new plants to purchase. I know some of you play the "got it...don't have it...don't want it" game, checking off the listings. If you collect most everything in a particular genus or species, OROC might well be of interest. Some of you know all about your genus already, that I grant you, but few of us know all of the groups. Everybody finds something new and interesting.
- 7. Digital references do not effect valid publication under the ICNCP code but digital works of this type are stll cited in both acadmeic and popular publications. All the Ivy League universities accept internet references in dissertations and journals and have specific rules of citation now. Indeed, some of their own journals are mainly distributed in digital PDF format like this file. Can't accept that life-saving medical procedure...it's not validly published in print form. How silly all that.
- 8. They establish a sort of Who's Who® and who's doing what, part of our horticultural history. New plants are part of many people's biographies as much as the courses they teach, nurseries they run, and gardens they create. OROC tries to be as international as possible and have brought in more resources about eastern European and Asian cultivars in this edition. That means alot of translations, free and bought, correspondance, phone calls, expensive articles purchases, and searching far places on the web.
- 9. They provide a starting place for experts to update their books and evaluations of a particular genus, leaving nothing out. I hear from some of you that OROC has helped you select your taxa list for plant trials and evaluations. That is encouraging to us. I sometimes read with amusement in a patent application that applicant X is the only dwarf, variegated, or gold-leaved cultivar of the species. At ain't necessarily so!

I want to put in a word of sincere praise for the hundreds of plant breeders, cultivar developers, and also ordinary people who just notice and propagate a nice tree or sport they found. Many of you are very creative in what you select from, deliberately cross, or how you organize your selection criteria. All of you make our world more beautiful, fascinating, diverse, and economically prosperous. I'm not talking jobs for patent and trademark lawyers (though that does help beach Realtors and Porsche dealers) but employment for horticulture students, research technicians, marketing experts, interns, designers, landscape pros, and nursery workers. It also amuses and keeps up the occasional garden writer. This is not to say we need more Bradford-stupid trees to keep arborists fed; they'll be fine and would rather work on safer trees anyhow. You plant inventors also make the world cleaner and safer by inate resistances that reduce chemical spraying, genetics that limit invasiveness and fruit mess, and selections which reduce the need for water, save energy, expensive soil modifications, and artificial fertilizers. Zero or low maintenance plants save countless amounts of human, machine, and vehicle energy that would be otherwise wasted for gasoline, vehicle upkeep, corrective pruning, trimming, staking, irrigation, and deadheading. A superb, truly stunning landscape with fancy, really good looking new plants can, I am told, add 5-10% to the value of a property, that occasionally being some very big money. The edible-ornamental is a wonderful invention of you geniuses in the cultivar invention field, giving us eye candy and literal candy of a healthier kind and salads and gourmet fixings for our kitchens in neat small, nearby spaces. Many of your fine new plants also feed wildlilfe during cold, barren winters and rough patches of dry, summer; guite literally saving some creatures and nourishing others in preparation for their spring babies. Some of your work benefits charities too (into the millions of dollars now) and it also benefits countless schools where students learn from your craft and can be funded by new plant royalities. There are scholarship programs surrounding new plants and that is a wonderful thing.

New plants also bring people together for commerce, discussions, shows, trading, and garden visits. Plant people are amongst the most generous and friendly on earth and new plants fuel these social interactions like little else. Humans by our nature are endlessly curious about new things, products like plants in particular, especially when they might amuse us or benefit our homes and work places in some tangible way. If I had a dollar for each time a stranger at work said "ohhh...what is that?" speaking about my new cultivar houseplant and help make a new friend. We humans all need stimulation and a change of pace. Be the change of pace! New plants, whether just slightly better than the old or massive breakthroughs, excite us and delight us and rescue us from boredom. A wise man said "pain and boredom are the two main enemies of human happiness". Plants are as much fashion as the latest Paris runway show and our green designs are not immune from generic copies and cheap knockoffs either! ("It's like an unpatented so-and-so" I hear from time to time). Every major university and major grower needs their full cultivar lineup just like every brewer needs an IPA, DIPA, NEIPA, Pils, stout, red ale, porter, blueberry sour, etc. They all need a purple-

leaved dwarf and a columnar dense clone along with a double pink thing and gold-margined one to match the competition. Expect more of that. Complete, diverse lines are keeping some of you very busy. That is good because more competition beings out the best from everyone and more choices for the consumer.

Capitalism has a way of improving science and plant breeding and selection are absolutely part of those pressures, temptations, calculations, and set of values. Fortunately things are not yet like two botanists of the 19th century who pulled pistols on the other for the right of introducing a new species they found the same day in the same woods. You smaller inventors be not discouraged. Sometimes superior marketing of an inferior product works for a time - but seldom forever and the best usually wins out. Take that to heart those of you with better clones but no multi-million marketing department to call on. Good cultivar hype in the form hard metrics and truth in this age of social media can benefit even the small guy or gal or student on a mission to improve a certain species. It equalizes the small and big folks more than before. We humans require and adore stimulation, motivation, the idea of novelty, and drama in our lives. Plants being everywhere, in and out of doors, are easily part of this shifting, dynamic environmental theatre. There is a little fun with being the first to display a new plant or just keeping up with the Jonese too! Plant breeders and originators: what you do is so important, so vital, inspiring, nurturing, compelling, and very much appreciated. Keep it up my friends. Do keep it up!

Best wishes for a splendid and spectacular garden in 2020, full of new plants, scores and scores of them, Larry

Our nomenclatural standard for the genus Abies cultivar is CULTIVARS OF WOODY PLANTS, containing 489 different cultivars. We also use the www.conifertreasury.org for additional witches broom clones.

Abies koreana 'Forest Child' - 60cm tall (10 years) but sold grafted at different heights, dwarf, slow, flat-globose to mounded, numerous short lateral branchlets. Needles shorter, very stiff, quite radial in arrangement (not upright as species), dark green, slightly glossy, wide stomatal bands. Or: Jan Nowacyzk, Poland 2017. Web: - <u>https://zszp.pl/en/plants/plant-novelties-competition/plants-novelties-competition-2019/#abies-koreana-forest-child-2</u>, accessed 12.19.2019

Thuja occidentalis 'Hurricane' - 3m tall x 1m wide, columnar, similar to it's parent 'Smaragd' ('Emerald') but more twisted branchlets, suggesting the spin of a hurricane storm in green. Web: <u>https://newplants.nl/en/planten/T/thuja-occidentalis-hurricane/</u>, accessed 12.19.2019

Carpinus betulus MINOR GLOBE 'Minoor1' - irregularly subglobose to globose, compact. Leaves highly lobed and incised as 'Quercifolia' but this interesting foliage style found in a smaller, neater habit. Web: https://newplants.nl/en/planten/C/carpinus-betulus-minoor1-minor-globe-pbr-/, accessed 12.19.2019

Betula pendula 'Cacao' - Habit drooping as 'Youngii' from which it was selected as a seedling. Bark dark brown, hence the name, contrasting white lenticels. Web: <u>https://newplants.nl/en/planten/B/betula-pendula-cacao/</u>, accessed 12.18.2019

Robinia 'Anna Irena' - 8-10m tall, vigorous, upright as species, perhaps more open, flower corolla bicolored on close view, white keel, pink wing, yellow mark on wing, effectively a medium to light pink from a distance, can repeat in September. Or: Stefan Wlodarczyk, Poland as hybrid, marketed by Szholka Szmit, the famous nurserymen of the same country. Image: <u>https://zszp.pl/en/plant-novelties-competition-2019/robinia-anna-irena-2/</u>, accessed 12.19.2019

Sambucus SUNNY DAYS 'Jonsun' - leaves yellow, lightly incised, appears to be less bright and less deeply incised than LEMONY LACE, based on images presented to date.

Acer truncatum 'Volcano' - "In spring, the plant has beautiful dark pink volcano like shoots", mature foliage yellow tinged red and gold tinged orange, veins remaining yellow. Or: Poland. <u>https://newplants.nl/en/planten/A/acer-truncatum-volcano/</u>, accessed 12.20.2019

Abelia x grandiflora 'Jackpot' - leaves light olive, broadly margined and sector true gold, maturing to medium green margined cream, chimera to 50% in new tips, later mostly 10-20% surface. Pat: Japan # 14184 in 2006 to Sakaue Katsuya

Acer rubrum BUILT TO LAST® - 30-50 ft. tall x 30-40 ft. wide, ovoid to subglobose, 0-20% faster than OCTOBER GLORY but more heat tolerant, similar fall color and foliage traits, leaves medium green, glossy. Or: sport of OCTOBER GLORY. web: <u>http://www.selecttrees.com/trees/built-to-last-red-maple/</u>, accessed 5.9.2019

Aesculus hippocastanum 'Schuch' - 100cm tall x 150cm wide, dense, dwarf, leaves variagated in yellow.

Weigela florida LIME MONSTER 'BRS1' - 1.5 m tall. Leaves larger, to 25cm long, colored light oive green to chartreuse to lime shades, tinged red to orange in fall. Flowers mostly white. Or: Poland. Web: https://newplants.nl/en/planten/w/weigela-florida-brs1-pbr-lime-monster/, accessed 12.19.2019

Buddleia davidii 'Magda Gold Knight' - similar to 'Black Knight' in flower but adding golden foliage. Web: <u>https://newplants.nl/en/planten/B/buddleja-davidii-elstb1-magdas-gold-knight/</u>, accessed 12.19.2019



Cercis canadensis GOLDEN FALLS[™] 'NC2015-12' - distinctly pendulous, hanging-drooping if trained, commercially raised on stakes with one main leader for more upright effect as 5-6 ft. tall young trees, leaves bright gold at first becoming pale yellow, lime green, and finally a light green with maturity, not overtly bicolored but showing a slow transition of gold to green. The best gold color diminishes after mid-July or when temperature become very hot. Flowers typical of species.Or: Dr. Dennis Werner, North Carolina State University, controlled cross of 'Covey' and 'Hearts of Gold' in 2009, producing F1 that were non-weeping and green. These F1 were intermated using national pollatinors and the seed obtained in 2013. This was the best of 5 seedlings with both gold leaf and weeping architecture. Image copyright owned by and courtesy of the originator. In: licensed to Star Roses.

Cornus kousa 'Pink Lips' - leaves highly twisted, undulate, appearling long and narrow as a result, most white at first, heavily speckled and sectored dark green (30-50% surface), this variegation tinged bright pink in summer and fall both, flower bracts white tinged pink to age.

Cornus kousa 'Teresa' - floral bracts very narrowly ovate to long-tapered and subtriangular, more elongated or prolonged at the apex than normal, leaves thinly margined cream to white (5-8% surface), a very light and subtle chimera.

Juniperus communis 'Lemon Carpet' - prostrate to procumbent, very low spreading, branches distinctly radiating in all direction, hence very different look than decumbent golden cultivars of J. rigida var. conferta, light yellow to greenish-yellow color throughout, not very gold nor bright at time.

Cotoneaster 'Bronfire' AUTUMN INFERNO[™] - 5-6 ft. tall x 4-5 ft. wide, leaves cup-shaped, slightly twisted, glossy dark green, becoming rich dark red in fall, sometimes also orange, very showy. Dark red fruit can also be ornamental. USDA 3. Pat, or: US# 30493 on 14 May, 2019 to Vincent Bron, Grand Forks, California as chance seedling of unnamed C. lucidus material, thought to be a cross to C. apiculatus based on morphology in 2010 Web: <u>http://www.firsteditionsplants.com/autumn-fire-cotoneaster</u>, accessed 6.17.2019.

Distylium myricoides BLUESCAPE[™] - 1-2 ft. tall x 3-4 ft. wide, low and mounding, less erect and denser than 'Lucky Charm', lower and not as mounding as 'Vintage Jade', also less vigorous than it, freely branched, leaves greyish-blue, smaller and refined in appearance, new growth tinged bronze. USDA 7. Pat, or: US# 30514 on 21 May, 2019 to Robert H. and Lisa J. Head, Head's Select Inc., Seneca, Georgia, crossed of 'Lucky Charm' and unnamed seedling 2008. Web: <u>http://www.gardendebut.com/plant/Bluescape-Distylium</u>, accessed 6.17.2019

Cornus 'Eric Genat' ('Eric Gennat') - bracts held wide open (less cupped), large, lemon-cream in bud, maturing to light pink to blush, heavily tinged violet-pink, suborbicular to broadly ovate, overlapping much, Kousa-like but this clone is thought to be an interspecific cross. Or: unknown, details requested, seems to be listed most often by Australian nurseries.

Lonicera nitida SCOOP 'Chalons' - 1m tall x wide, subglobose to short ovoid, shoot distinctly erect to outfacing. Leaves much smaller than typical, refined fine texture that reminds one of an herb plant or Juniperus communis too, useful as a low hedge and Buxus replacement, medium olive green in color. Ch: to -12 deg. C. Or: Pierre Dummouchel de Premare, Frankrijk, France. Pat: EUR20190837. <u>https://www.plantipp.eu/en/Plants/lonicera-nitida-scoop-chalonspbr-2/</u>, accessed 12.18.2019

Cotinus coggygria 'Lilla' - like a smaller version of 'Royal Purple', 1m tall 1.5m wide, subglobose to globose, leaves purple in spring and summer, rich orange-red tones in fall, panicles dusky red to reddish-pink. Or: Miklosne Jozsa, Hungary 2010. Web: <u>https://www.andre-briant.fr/en/the-novelties/access-to-our-new-plants/4200-cotinus-coggygria-lilla-.html</u>, accessed 12.21.2019.

Pittosporum tenuifolium DARK DIVA 'Hutdiv' - 2.5m tall x 2m wide, vigorous, subglobose to short ovoid, leaves glossy, very dark blackish-purple, darker and denser than old 'Purpureum'. Web: <u>https://www.andre-briant.fr/en/the-novelties/access-to-our-new-plants/4529-pittosporum-tenuifolium-dark-diva-hutdiv-.html</u>, accessed 12.21.2019

Cornus alternifolia 'Andre Giraud' - leaves with very fine, "delicate" white speckling and subtle paler suffusions, a soft milky look.

Corylus avellana 'Syrena' - leaves dark purple, showy. Unusual as fruit is both large and edible.

Aesculus hippocastanum 'Alek' - more upright, leaflets narrower, male and fruitless by one report.

Gardenia jasminoides DIAMOND SPIRE[™] 'Leefive' - habit columnar to narrowly ovoid, 3-4 ft. tall x 2 ft. wide, flowers single, reblooming throughout summer and fall, leaves very glossy green, texture, broadly elliptic-ovate to suborbicular. Or: Buddy Lee

Gardenia jasminoides SWEET STAR[®] - subglobose, compact, flowers single, reblooming in late summer to fall, fruit orange, showy, leaves glossy green, reliably cold hard to USDA 6b-7 due to seed parent's origins in China via the Beijing B.G. Proved cold hardy in Athens, Georgia in 2013-2014 with mimimal damage. Ns: marketed under the FIRST EDITIONS[®] name which is a multi-generic trademark and not a taxonomic name nor unit. In: Plant Introductions Inc. via baileynurseries.com

Camellia sinensis 'Christine's Choice' - Leaves darker, longer, appearing narrow, ornamental. Web: <u>www.camforest.com</u>, accessed 12.23.2019

Camellia sinensis 'Dave's Fave' - Internodes shorter, leaves very dark green, wider, distinctly glossy, serrate. Or: David Parks. Web: <u>www.camforest.com</u>, accessed 12.23.2019

Camellia sinensis 'Fuiri' - irregularly margined and sectored cream to white. Web: <u>www.camforest.com</u>, accessed 12.23.2019

Camellia sinensis 'Yellow Tea' - Slower growth. leaves irregularly splattered and sectored medium yellow, blades large at 7.5 in. long x 3.5 in. wide. Web: <u>www.camforest.com</u>, accessed 12.23.2019

Sciadopitys verticillata 'Shine A Light' - Needles tips white, cream, and tan. <u>https://www.kvbc.nl/sciadopitys-verticillata-shine-a-light/?lang=en</u>, accessed 12.20.2019

Acer platanoides 'Warmia' - 7-8m tall (10 years), narrowly columnar, slimmer than 'Columnare', vigor typical of species, strong leader, short side branches. Leaves 5-7 lobes, sharp teeth, dark green, yellow in fall. Or Lucjan Gursztyn, Poland, introduced 2019. Web: <u>https://zszp.pl/en/plants/plant-novelties-competition/plants-novelties-competition-2019/#acer-platanoides-warmia-2</u>, accessed 12.19.2019

Buddleia BLUE SARAH 'SRPBUD989' - 0.8-1.0m tall x wide, suitable for medium to large containers, dense, compact, subglobose. Flowers in wide, short spikes, corolla violet-blue. Or: Star Roses and Plants, USA. https://www.plantarium.nl/novelties-search/, accessed 12.18.2019. Ns: has been sold in Europe with the SUMMERLOUNGE® series that also includes LILAC TURLE, PURPLE LION, and WHITE SWAN.

Buddleia SUMMER TEENS MATS MAGIC RED 'Artbud 1580' - compact, well-branched, moderate vigoroFlower panicles numerous, narrow, sharply tipped, bright violet-red corolla. Or: Norbert Artmeyer, Horstel-Reisenbeck, Germany. Aw: Plantarium Silver 2018. Web:

Buddleia SUMMER TEENS (R) DAVID DARKVIOLET - corolla very dark blue.

Buddleia SUMMER TEENS PIA PINK - corolla medium pink, very wide, dense inflor.

Buddleia SUMMER TEENS WILMA WHITE - corolla white, no distinct eye, inflor. very dense, full like PUGSTER WHITE

Buddleia SUMMER TEENS VIVIEN VIOLET - corolla medium lavender-violet, small orange eye.

Buddleia SUMMER TEENS BRUNO BLUE

Buddleia SUMMER TEENS VIGGO VIOLET

Buddleia SUMMER TEENS LILITH LILAC

Buddleia SUMMER TEENS PABLO PURPLE

Buddelia SUMMER KIDS® 'Benni' - flowers white.

Buddleia SUMMER KIDS 'Leni' - flowers rich violet-purple

Weigela PICOBELLA ROSA 'TVP2' - 40cm tall x 60 cm wide, very compact without much pruning, fine textured leaf. Flower corolla a clear medium pink, abundant, blooming often from May to October. Or: Bert Verhoef, The Netherlands. Aw: Plantarium Silver 2019, RHS Chelsea Sgow 2019 Plant of the Year Shortlisted. Ch: to -25 deg. C. Pat: EU 20172546. Web: <u>https://www.plantarium.nl/novelties-search/</u>, accessed 12.20.2019

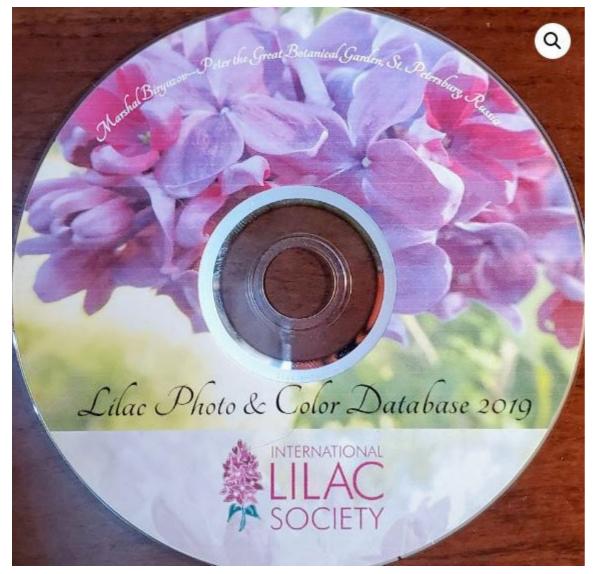
Juniperus scopulorum BLUE IVORY 'Klaverjun' - narrowly pyramidal to columnar, frosty blue with abundant white to cream mottling throughout, appears to be a wider plant than 'Sparkling Skyrocket'. Web: https://www.kvbc.nl/juniperus-scopulorum-klaverjun/?lang=en, accessed 12.18.2019

Gardenia jasminoides 'Wald' - flowers very wide, single, pinwheel-shaped, numerous. Pat, or: Japan #13621 in 2003 to Mstsui Kunio, title held by Toyoto Motor Corporation (yes, really). Photo: <u>http://www.hinshu2.maff.go.jp/vips/cmm/file_library/20000/15138/15138_3_1.jpg</u>, accessed 6.17.2019

Fagus sylvatica 'Anny's Rohan Sentry' - very narrowly columnar, leaves dark purple, margins dissected. Listed apart from 'Anny's Red Pillar', thus not the same, the later not having as dissected or lobed margins.

Fraxinus excelsior 'Zygmunt Krasinski' - leaflets much elondated, single, double, and triple compound. Or: Opinogora, Poland from a notable tree found there.

Hydrangea paniculata 'Dentelle de Gorron' - large inflorescence, numerous tiny flowers, lacy appearance.



Syringa is one of the exempt genera as it has been so ably handled and carefully distributed (at no charge too) by the Freek Vrugtman, former Curator of Collections at the Royal Botanic Garden, Hamilton, Ontario and nomenclatural expert. He has retired from this passion of many decades (I've known him for 40+ years as a faithful correspondant and mentor) and now the capable Dr. Mark De Bard has taken over. De Bard is an accomplished lilac scholar and collector and retired three years ago as a Trauma Physician at the The Ohio State University Medical Center. The newest verson of Syringa Register, including trademark clarifications is found in the link below. The new photo CD with over 1300 cultivars (soon to be higher in a forthcoming edition) and their color values (wow and super wow) is highly recommended and available from the ILS. Between the two references our knowledge of this fascinating and difficult genus is much enhanced and our love of those scented flowers all the deeper. https://www.internationallilacsociety.org/wp-content/uploads/2019/10/International-Register-updated-October-3-

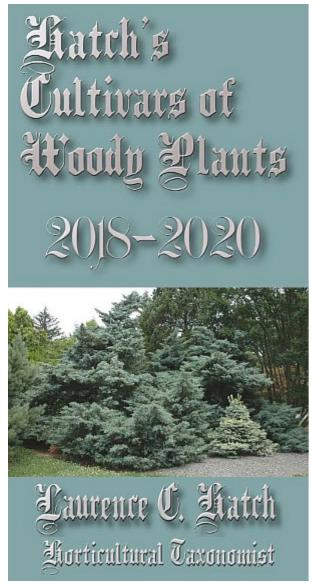
<u>2019.pdf</u>

Fagus sylvatica 'Cheeky Slab' - provisional registration. Widely listed in Russia and Poland. Description needed.

Fagus sylvatica 'Purple Drongo Weeper' -

https://floraplanet.com/catalog/rasteniya_i_cveti/fagus_sylvatica_purple_drongo_weeper-23162, accessed 12.18.2019

Fagus sylvatica 'Rohan Red Globe' - dense globose, leaves dark purplish-red, incised and lobed as the Rohan series but even more rugose and textured than usual. <u>https://www.pepinieres-rouxel.fr/plante/index/famille-fagaceae/genre-fagus/espece-sylvatica/cultivar-rohan-red-globe/fagus-sylvatica-rohan-red-globe</u>, accessed 12.18.2018



Our nomenclatural standard for Juniperus with more than 1200 cultivars described is Cultivars of Woody Plants. The five volumes on this genus in CWP replace the older Garden Junipers book offered a decade ago.

Juniperus chinensis 'Mitchi Gold' - habit narrowly pyramidal to columnar, dense, foliage bluish-green, mottled in light yellow to gold. Pat: Japan # 14641 in 2004 to Nakajima Yoshikazu and others.

Juniperus horizontalis 'Brockway Beauty' - "windswept" low form, foliage "vibrant green" all year, tips slightly more bluish to silvery per their image. Or: found at 720 ft. near Lake Superior on Brockway Mountain near Copper Harbor, Michigan. In: <u>https://hartmannsplantcompany.com/wholesale/product/brockway-beauty/</u>, accessed 9.17.2019

Juniperus horizontalis 'Maxton Hugger' - very low procument, hugging the ground, foliage a rich green all year. Or: found in the wild at the Maxton Flats on Drummond Island, Michigan. In: https://hartmannsplantcompany.com/wholesale/product/maxton-hugger/, accessed 9.17.2019

Abelia x grandiflora CARAMEL CHARM® 'Minacara1' - 1.5m tall x wide. compact, new leaves a rich brownish-orange to caramel shade, becoming a brighter orange then finally more golden. Or: Hortival Diffusion. Web: <u>https://www.pepinieres-minier.fr/produit/abelia-x-grandiflora-caramel-charm-r-minacara1-cov</u>, accessed

12.23.2019

Potentilla fruticosa DOUBLE PUNCH PASTEL 'Mincrero04' - 50cm tall. Flowers large, semi-double, slightluy undulate and irregular, almost the look of a small rose with gold stamens, creamy-pink from creamy-peach buds with pink margins, fading paler, blooming most of the summer, Leaves green, mossy color. Or: Hortival Diffusion SAS, France. In: Minier Solutions, 2019.

Philadelphus coronarius 'Kostelec WB' provisional name - very dense, dwarf, sported from a broom, subglobose. Leaves golden-yellow.

Prunus cerasifera 'Zloty Oblok' - leaves golden-yellow at first, later more green.

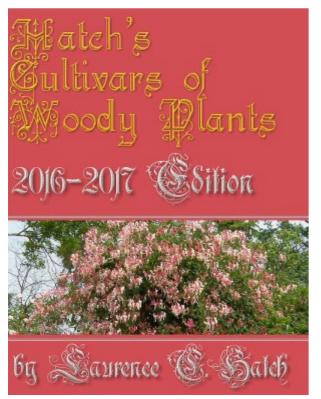
Ilex crenata CHAT'O® 'Farrowsk6' - 1.5m tall x 0.5m wide, columnar to narrowly ovoid, however a few catalog illustrate a more subglobose form, dense, slight irregular and not all vertical. Leaves dark, glossy green at maturity. Web: <u>https://www.pepinieres-minier.fr/produit/ilex-crenata-chato-r-farrowsk6-cov</u>, accessed 12.23.2019

Juniperus virginiana PROVIDENCE[™] 'JVBP3' - 20 ft. tall x 10 ft. wide, dense, pyramidal, appears from image to be much like 'Brodie' but perhaps less formal. "Root system and transplantability are superior to most cultivars". Or: found in Athens, Georgia as notable, superior plant, suggested as Leyland Cypress replacement. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press. Web: <u>http://www.selecttrees.com/trees/providence-eastern-red-cedar/</u>, accessed 5.9.2019

Juniperus virginiana TAPESTRY™ 'JVADR' - 25 ft. tall x 15 ft. wide, very densely pyramidal-ellipsoidal to ovoid, very much like the Ovoid Group documented in CWP, from images it appears to have a more divergent, semi-juvenile foliage type which does increase the density of individual branches."Root system and transplantability are superior to most cultivars". Or: from a notable tree found in Adriuan, Georgia. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree

Book. Timber Press. Web: http://www.selecttrees.com/trees/tapestry-eastern-red-cedar/, accessed 5.9.2019

Chimonanthus praecox 'Long Fruit' - larger, longer fruit and seed pods. Web: www.camforest.com, accessed 12.23.2019'



Our nomenclatural standards for Lonicera are Cultivars of Woody Plants with 430+ different named clones and also Lonicera.nl by honeysuckle expert and collector A.J. Laros.

Lonicera japonica PINK APERITIF® 'Crowthlon' - 4m tall x 3m wide, vining however. Leaves when young a glowing light pink, becoming whitish and blush, expanding to white with green veins, later more of a typical green, a virescent mutation, said to resemble Acktginidia kolomitka at times. Or: Tim Crowther, UK, from 'Repens', intro. about 2018. Web: https://www.pepinieres-minier.fr/produit/lonicera-japonica-pink-aperitif-r-crowthlon-cov, accessed 12.23.2019

Our official nomenclatural standard for Lagerstroemia is the U.S. National Arboretum site: https://www.usna.usda.gov/science/icra/lagerstroemia/, last updated November 2016.

Lagerstroemia COLORAMA[™] SCARLET 'JM1' - 15-20 ft. tall x 8-12 ft. wide, vigorous, self-branching. Leaves dark green into fall. Flowers a dark scarlet red in high quanitities. USDA 6. Web: https://www.gardendebut.com/plant/Colorscape-Scarlet-Crapemyrtle, accessed 12.21.2019

Lagerstroemia THUNDERSTRUCK[™] - generally 12-15 ft. tall x 8-12 ft. wide, compact, floriferous,

- THUNDERSTRUCK[™] RUMBLIN RED[™] 'JM2' leaves very dark, blackish-purple. Flowers undulate, very dark ruby red, sometimes blackish
- THUNDERSTRUCK™ LAVENDER BLAST™ 'JM3' leaves very dark, blackish-purple, glossy. Flowers medium, clear lavender most of the summer.
- THUNDERSTRUCK[™] WHITE LIGHTNING[™] 'JM4' leaves dark green, fading to near black, not as purple at first as others. Flowers white, however images show lavender tints.
- THUNDERSTRUCK[™] CORAL BOOM[™] 'JM5' leaves glossy, blackish-purple. Flowers summer to fall, rich coral pink.
- THUNDERSTRUCK™ WHITE FLASH™ 'JM6' leaves glossy, blackish-purple. Flowers blush pink to white tinged pink, summer to fall.

Thuja plicata EMERALD TEARDROP™ 'RLH-CS' - 15 ft. tall x 8 ft. wide, compact, "very clean", dense. Foliage medium green all year, holding color well into winter. USDA 5. Web: https://www.gardendebut.com/plant/Emerald-Teardrop-Arborvitae, accessed 12.19.2019

Thuja SLENDER GIANT™ 'RLH-GG' - 20 ft. tall x 6 ft. wide, vigorous. Foliage dark green, holding color into the winter. Interspecific hybrid, parentage not yet reported. USDA 4. Web: https://www.gardendebut.com/plant/Slender-Giant-Arborvitae, accessed 12.19.2019

Abelia x grandiflora TWIST OF MANGO™ 'RNTOM' - 2 ft. tall x 4-5 ft. wide. Leaves bright yellow at first, becoming a true gold insummer, fall showing bronze with gold highlights. Flowers small, white. USDA 6. Web: https://www.gardendebut.com/plant/Twist-of-Mango-Abelia, accessed 12.19.2019

Our nomenclatural standards for the genus Buxus with about 400+ cultivars are the two major books written by Lynn Batorf as well as his recent Addenda in the IBS Bulletin: https://boxwoodsociety.org/uploads/58 3 2019 Spring.pdf. This update is wonderful perhaps except for a quote from the RHS saying OROC charges for registrations (Buxus or otherwise) as part of our "scheme" but we might sometimes be a little bit, occasionally, now and again useful even if not official nor in print form. Last I checked the RHS Horticultural Database was all digital, friends, technically invalid pub too and in the wonderful RHS Plant Finder aren't all the plants not described or thousands of invalid nomen *nudum*? We asked for a correction about the non-existant OROC fee scheme but the IBS Editor seemed to think the RHS must be right and we were charging registration frees without knowing it. Welcome to the hazardous world of challenging the status quo! But thanks truly for the mention as it's better than being ignored. By the way, the important cultivar 'Justin Brouwers' is now with scientific evidence in hand a true B. sempervirens and not longer a B. sinica var. insularis variant. The society is further generous in providing their recent and past Bulletins (a genuine treasure trove) free online: <u>https://boxwoodsociety.org/abs_publications.html#bulletin</u>.

Gardenia jasminoides PRINCE CHARLES[™] - 4 ft. tall x 5 ft. wide, subglobose to mounded, compact, vigorous, slightly larger than 'Crown Jewel'. Flowers all white, semi-double to double with a full center, very fragrant, recurrent blooming, flowers not aborting from heat stress. Leaves dark green. Ir: moderate resistant to white fly. Or: Oakmont Nursery, Siler City, North Carolina. Just for the record, Siler City was the long-time home of Francis Bavier, better known as Aunt Bee on the Andy Griffith/Mayberry TV show. Ns: normally cultivars named for a well known celebrity or member of a royal family require by the ICNCP permission of the name holder or their estate. This is less clear in the trademark world but ought to be considered. Web: <u>https://bestnewgardenias.com/prince-charles/</u>, accessed 12.23.2019

Pyracantha coccinea 'Anatolia' - 1-2m tall x 1.0-1.5m wide, vigorous, spreading form, others says "dense, rounded" but lower limbs do generally cascade. Leaves dark green all year. Dr: scab resistant. Fruit red to orange (reports vary), showy. More cold hardy. In: Bullbacks Nursery, intro. 2016

Our standard for Quercus nomenclature is <u>http://oaknames.org/search/index.asp</u>. A superb example of a database/monograph in one form. This is a fitting and excellent tribute to the great, late Piers Terhane and just one of his many, quality productions.

Quercus palustris 'Betty Jean' - leaves more deeply lobed or incised.

Quercus robur 'Blue Gnome' - dense, dwarf, leaves a more greyish, faintly blue sheen. Li: Coombes and Jablonski, J. Int. Oak Soc 17: 39 (2006). Not new but so rarely reported I include it here.

Quercus robur 'Jan Kiepura' - very dense, narrowly columnar, uniform. Li: Jablonski, J. Int. Oak Soc. 27: 142 (2016).

Ternstroemia gymnanthera 'Broody' - habit compact, leaves margined cream to yellow, new growth tinged pink, Pat, or: US#30,450 on 30 April 2019 to Clayton O'Quinn, Fort White, Florida as chance sport in 2006.

Crataegus monogyna 'Bulsom Gold' - leaves yellow or sectored yellow as a chimera. Or, in: Kris Michielsen 2015 ex https://www.arboretumwespelaar.be/userfiles/file/pdf/171008_Cultivars%20of%20European%20Crataegus%20%E2%80%93%20Past%20and%20Present_Eike%20Jablonski.pdf

Carpinus carolinana 'Sentinel Dries' - 25 ft. tall, columnar, durable, leaves slightly darker than species, rich red tints in fall, perhaps rivaling maples at times, also having orange and yellow tints, richer and darker than species typical. Or: Belgium. Web: <u>http://www.atreeaday.com/atreeaday/Carpinus_caroliniana_Sentinel_Dries.html</u>, accessed 12.19.2019

Viburnum odoratissimus COPPERTOP™ 'Brand01' - 8-10 ft. tall x 5-6 ft. wide, more compact, new growth red to bronze or copper orange, USDA 8. Pat, or: US# 30449 on 30 April 2019 to Paul Klinger Jr., Bushnell, Florida as chance seedling of species in 2005. Web: <u>http://southernlivingplants.com/shrubs/plant/coppertop-sweet-viburnum</u>, accessed 6.17.2019

Viburnum carlesii 'Fit 2B Tied' - 1.88 m tall x 1.52 m wide (20 years), stems flexible, not easily broken, thus more suitable for nursery or garden center transport, mounded, flowers whitish pink from redder buds, fall foliage red, similar in flowers and fall color to 'Compactum' but slower, floral heads smaller, stems more flexible, and less dense.

Pat, or: US# 30,329 on 2 April 2019 to Jeff and Nancy Tures of Illinois as chance seedling in Huntley, Illinois 1987.

Viburnum plicatum 'Kuratomi3' - flower heads lacecap type, sterile flowers light pink. Pat: Japan # 23708 to Kuratomi Hirofumi 2010

Viburnum plicatum 'Kuratomi33' - flower heads lacecap type, sterile flowers very large, blush pink opening white. Pat: Japan # 23709 to Kuratomi Hirofumi 2012

Viburnum plicatum 'Beni Sango' - flower heads lacecap type, sterile flowers white, fruit red, very numerous, showy Pat: Japan # 24613 in 2013 to Odaira Tamito

Viburnum plicatum 'Ruby Sango' - flower heads lacecap type, sterile flowers white, fruit dark red, showy. Pat: Japan # 24614 in 2013 to Odaira Tamito

Ilex pedunculosa 'Harukaze' - new growth rich dark purplish-red. Pat: Japan #18048 in 2007 to Ishikawa Tsuyoshi, Limited Company Suikouen

Ulmus 'Wingham' - 25 ft. tall (5 years), large, open. Leaves dark green. Dr: DED resistant. Or: David Herling, UK, cross involving U. minor, U. pumila, U. wallichiana, and U. x hollandica 'Vegeta', named for a village in Kent where it was trialed. Host to the white-letter hairstreak butterfly (a good insect interaction) which prefers elms for support. web: http://www.resistantelms.co.uk/, accessed 12.24.2019

Ulmus minor 'Dehesa de Amaniel' - http://www.resistantelms.co.uk/ulmus-minor-dehesa-de-amaniel/, accessed 12.24.2019

Sorbus bissetii PEARLS - https://www.rhsplants.co.uk/plants/_/sorbus-bissetii-pearls/classid.2000022368/, accessed 12.24.2019

Juniperus communis 'Bagnet' - 2.5m tall sx 20cm wide, very narrowly columnar to fastigiate, remaining thick, dense, 5-10 cm growth a year. Leaves bright grteen and silver. Or;: Michal Kaluzinski, Poland c. 1996. Web, or: https://www.kaluzinscy.pl/en/offer/conifers, accessed 12.24.2019

Juniperus x media 'Yellow Sapphire' - 20-30cm tall x 50-60cm wide, slowly arching-spreading as Pfitzeriana, golden yellow new growth, desner, smaller than most other golds, holding color all year, leaves moderately to medium divergent. Web: https://www.kaluzinscy.pl/en/offer/conifers, accessed 12.24.2019

Juniperus horizontalis 'Salamander' - 20cm tall, procumbent, silvery-blue, heavily mottled in medium to yellow yellow, leaves moderately to highly divergent, slow. Web: <u>https://www.kaluzinscy.pl/en/odmiana/2210.juniperus-horizontalis-salamander-pa</u>, accessed 12.24.2019

Juniperus squamata 'Denfa Malachit' - 70cm tyall x 2m wide, 15cm growth a year, wide-spreading variant on 'Blue Carpet' (which in the US is often untrue). Or: Michal Kaluzinski, 2003.

Picea glauca 'Dendrofarma Gold' - 0.5m wide (15 years) very dwarf, subglobose to mounded, very dense, much like a golden version of 'Alberta Globe'. Or: Michal Kaluzinski 2000.

Pinus sylvestris 'Pelczar' - subglobose, semi-dense, 5cm growth ayear. grayish-green. Or: Michal Kaluzinski 2009 as wb.

Lagerstroemia PURPLE POP[™] 'Grebepur' - 10 ft. tall x 6 ft. wide, flowers light purple to lavender-violet in large geads. web: <u>http://www.gardendebut.com/plant/Purple-Pop-Crapemyrtle</u>, accessed 6.17.2019

Cornus kousa 'White Minuma' - bracts white, very narrow, elliptic, pinwheel effect. Pat: Japan #6021 in 1994 to Hagaiwara Toshihiro

Salix aurita 'Buchelberg' - leaves irregularly marked in white to cream.

Cornus kousa 'Summer Sky Tree' - robust, columnar to narrowly pyramidal, one of the most erect kousas known, new leaves tinged orange to red, flowers white, numerous. Pat: Japan # 22395 to Hagiwara Toshihiro in 2013

Cornus kousa 'Summer Glassy' - leaves medium olive, very glossy as the name implies, flowers white, showy, leaves red to orange in fall, showy. Pat: Japan # 22394 in 2013 to Hagiwara Toshihiro

Cornus kousa 'Snow Around Paige' - leaves broadly margined white, chimera to 20-30% surface, flower bract white, narrowly ovate. Pat: Japan #26044 to Hagiwara Toshihiro in 2017

Thuja POWDERED GOLD[™] - 25-30 ft. tall x 8 ft. wide, narrowly pyramidal to conical, strong central leader, dense, 18-25 in. growth a year when young, about half as tell as it's sport parent 'Green Giant'. Foliage golden-yellow in tips, becoming a sparkling tint or suffusion of gold, powdered actually with lots of green too by summer, holding these colors all summer, very much more green in winter. Or: Oatmont Nursery, Siler City, North Carolina. Web: <u>https://bestnewgardenias.com/arborvitae/</u>, accessed 12.23.2019

Quercus Ivrata STALAGMITE® 'QLSTK' - 30-60 ft. tall x 20-30 ft. wide, habit more narrow, branches upsweeping,

leaves dark green, leafing out several later than the earliest of strains. web: http://www.selecttrees.com/trees/stalagmite-overcup-oak/, accessed 5.9.2019

Ilex latifolia COOL FENCES[™] 'ILDG' - 20 ft. tall x 15 ft. wide, pyramidal, dense, leaves dark green, thick, coriaceous, fruit red and abundant, showy. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press. We are eager to recommend this new, sophisticated and frankly stunningly beautiful new book which is available as low as \$17 for a ebook copy at Google or Amazon. Web: <u>http://www.selecttrees.com/trees/cool-fences-lusterleaf-holly/</u>, accessed 5.9.2019

Ilex latifolia 'Dodds Green Flame' - listed for Coosa Valley Growers, Powder Springs, Georgia, USA

Ilex crenata 'Country Court' - listed for Coastal Nursery, Freehold, New Jersey, USA

Ilex vomitoria 'Dummyline Road' - listed for Louisiana Growers, Anite, Louisiana, USA

Juniperus virginiana 'Green Point' - a listed name from Walker Nursery, McMinnville, Tennessee, USA

Juniperus virginiana 'Greenbelt' - typical habit, wider than 'Bordie', female by their images. Developed for east of transplanting. I recently saw a major nursery in NC transplant nursery grown redcedars on a highway project and half were lost. Even though this is a tough, tolerant species once established, transplanting can be a big issue. Good to see this work. In: Bold Spring Nursery, Hawkinsville, Georgia, USA, <u>http://www.boldspring.com/trees/jvg-ftg</u>, accessed 12/.23.2019

Juniperus virginiana var. silicicola 'Robin Blue Improved' - ovoid, bluish-green, tips expectially frosty blue, not as verdant green as variety. In: BK Cedars, Alachua, Florida, USA, <u>https://www.bkcedars.com/</u>, accessed 12.23.2019.

BK Cedars is a provider of large container, live Christmas trees of this species and also Cupressus glabra.

Malus toringo 'Aro' - 3m tall, columnar. Leaves very dark blackish-red. Flowers dark violet-pink with paler, whitish center. Fruit dark red, 1-2cm wide. Or: Karsten Jensen, Denmark, intro. 2013, not widely seen in Europe until 2019, still not in the US(?).

Ribes nigrum BLACK'N'RED(R) PREMIERE - an edible black currant doing a foliage impression of a purple-leaved Physocarpus. http://www.lubera.co.uk/plants/soft-fruit/currants/black-currants-cassisima/blackcurrant-with-red-leafs-black-n-red-premiere, accessed 12.23.2019

Larix kaempferi 'Kenwith Weeping' - very pendulous, limbs hanging close to the trunk, foliage bluishgreen. <u>https://www.kenwithconifernursery.co.uk/slow-growing-conifers-sg/larix-kaempheri-i-kenwith-weeping-i-b-sg-b</u>, accessed 12.23.2019

Pinus wallichiana 'Kenwith Cascade' - pendulous cascading form. Needles dark green. <u>https://www.kenwithconifernursery.co.uk/slow-growing-conifers-sg/pinus-wallichiana-i-kenwith-cascade-i-b-sg-b</u>, accessed 12.23.2019

Ginkgo biloba 'Orloci Triploid' - <u>https://www.nature.com/articles/s41438-018-0055-9</u>. If you have even the least bit interest in the diversity of Ginkgo cultivars, this informative academic paper will be of strong interest.

Ginkgo biloba 'Ozana's Triploid' - https://www.nature.com/articles/s41438-018-0055-9

Ginkgo biloba 'Finger Variegated' - https://www.nature.com/articles/s41438-018-0055-9

Ginkgo biloba 'Knapek's Triploid' - https://www.nature.com/articles/s41438-018-0055-9

Gardenia jasminoides SNOW GLOBE 'WAH-SG' - Web: <u>https://www.greenleafnursery.com/plant/Gardenia-Gardenia-jasminoides-WAH-SG</u>, accessed 12.20.2019

Lagerstroemia BARISTA® 'Brew Ha Ha' - 2.0-2.5 ft. tall x wide, probably taller in warmer climates, dwarf, compact. Leaves very dark bluish-green. Flower corolla a rich bubblegum pink, contrasting well with the foliage, blooming on ne wood.. USDA 6 hardy so extending it's range up North, including the originator's West Michigan climate. Pat: US# 31206. Web, or, in: https://www.waltersgardens.com/variety.php?ID=LAGBH, accessed 12.20.2019. Other named clones in the BARISTA series include 'Bubble Tea', 'Dark Roast', 'Chai Berry', 'Cool Beans', 'Frappe Pink', 'Cherry Mocha', 'Lava Java', 'Like a Latte', 'Peppermint Mocha', 'Perky Pink', 'Sweet Maciatto', and 'Spiced Plum'. There will be a major revision of crapemyrtles in CWP for 2020 and we'll all catch up with the now hundreds of cultivars, past and present.

Berberis thunbergii 'Amera' - Pat: US# 31205

Ilex 'SMNIFA' - Pat: US# 31118

Gardenia jasminoides SNOW GIRL[™] 'WAH-LM' - web: <u>https://www.starrosesandplants.com/plants/shrubs/snow-girl-gardenia</u>, accessed 12.23.2019

Cotinus coggygria THE VELVET FOG[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Berberis thunbergii SUNJOY NEO[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Buddleia RUBY CHIP[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Hibiscus syriacus PARAPLU PINK INK[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Hibiscus syriacus PARAPLU VIOLET

Carpinus betulus 'Cornerstone' - web: http://www.boldspring.com/trees/cbw-mst, accessd 12.23.2019

Ilex opaca GLORIOUS FENCES[™] 'IOLAW' - upright, dense, sometimes in tufts or layers. Or: Steve Sanchez from a notable tree in Lawrenceville, Georgia. Web: <u>http://www.selecttrees.com/trees/glorious-fences-american-holly/</u>, accessed 5.9.2019.

Lagerstroemia fauriei 'Woodlander's Chocolate' - bark very dark brown, darkest in this species, exfoliating well. flowers typical. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press. As L. subcostata var. fauriei cultivar.

Metasequoia glyptostroboides PALATIAL[™] 'MG1042' - 70 ft. tall x 25 ft. wide, pyramidal, erect, slight denser, leaves darker green, rich orangish-brown in fall. Propagated on own roots. Or: Tree Introductions Inc. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press.

Parrotia persica CONTEMPLATION® 'PPCM2' - 20 ft. tall x 15 ft. wide, erect, ovoid, dense, narrower than species typical, leaves purple, yellow, orange, and red in fall, showy. Or: Morris Arboretum from a notable, showy tree there. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press. Web:

http://www.selecttrees.com/trees/contemplation-parrotia/, accessed 5.9.2019

Salix 'Plakuczyj Gnom' - dense, dwarf, also weeping.

Populus tremuloides SUMMER SHIMMER 'Select Klaus' - 40 ft. tall x 20 ft. wide, vigorous, leaves "large, clean". Or: Minnesota. Li: Dirr, M.A. and Warren, K.S. 2019. The Tree Book. Timber Press.

Sorbaria sorbifolia MATCHA BALL® 'Levgreen' - 2-3 ft. tall x 3-4 ft. wide. Leaves much as species but a light yellowish-green color (not chartreuse), a light lime-olive perhaps, the shade of Matcha tea in fact, some red to orange tints also in new tips, fall color yellow. Flowers rare. Pat: US# 31202. Web: <u>http://www.firsteditionsplants.com/the-plants/new-varieties/matcha-ballr-ash-leaf-spirea</u>, accessed 12.22.2019

Nyssa sylvatica 'The James' - broadly ovate, branches upswept, vigorous (more so than 'Wildfire'), freely-branching, numerous later branching for denser effect (denser than 'Tupelo Power' and 'Forum'), leaves large (10.4cm long x 4.4 cm wide), glossy (glossier than 'Forum'), dark green (darker than 'Wildfire'), apex often red, petioles red (green in 'Forum'), orangish-red and showy in fall. Pat, or: USPP# 29473 on 10 July, 2018 to James A. Hines III, McMinnville, Tennessee found in a nursery in the same city in 2013.

Edgeworthia papyrifera 'Winter Liebe' - 1m tall, shorter than some seedlings, "good branching", flowers abundant, mostly yellow, heads denser than typical. This appears to be a popular clone in Europe and as usual not the same choices as American clones. So: www.esveld.nl, accessed 5.2.2019

Sambucus nigra 'Bad Muskau' - leaves sectored with yellow variegation.

Prunus x gondouinii 'Schnee' - 5-6m tall, dense, compact, narrowly vase-shaped at first, maturing to "flattened spherical", Flowers single, large, numerous pure white. Fruit not produced or very little. Leaves a showy yellow, orange, or red in fall. This is not a new cultivar by any means but it's widely omitted from reference books and so is included here.

Sorbus aucuparia 'Fingerprint' - narrowly columnar, vigorous, disease resistant. Fruit red, showy. Web: <u>https://www.vdberk.com/trees/sorbus-aucuparia-fingerprint/</u>, accessed 12.21.2019

Enkianthus campanulatus 'White Elegans' post-1959, invalid Latin name, 'White Elegant' is proposed as new, corrected name - leaves broadly margined cream, flowers mostly white, faintly veined pink. So: www.esveld.nl, accessed 5.2.2019

Acer palmatum 'Bumps Red Seed' - leaves fairly typical but slightly large, fruit numerous, bright red, quite showy.

Acer palmatum [Dissectum Group] 'Jeddeloh Orange' - Dissectum habit but slightly more erect than average, leaves tinged orange in spring and summer, more green with maturity, orange to red again in fall, intermediate between Dissectum and Matsumurae shapes

Acer palmatum 'Cosmos' ('Radiant' in part) - twigs shades of red to orange and pink, very showy, leaves 7-lobed, coarsely serrate, deeply lobed but shallowly serrate, medium green brightly splashed, sectored, and speckled in pink and white, holding good color combinations into fall. A vigorous plant and not a weak mutant like so many older

variegated. So: <u>https://www.brokenarrownursery.com/pdf/Trees.pdf</u>, accessed 5.2.2019

Salix candida ICEBERG ALLEY[™] 'Jefberg' - 5 ft. tall x wide, subglobose, moderate vigor. Leaves powdery silvery to whitish-silver. Flowers a silver ament (catkin) with red stamens, showy. Or: Memorial University, Newfoundland, Canada and Labrador Botanical Garden. USDA 2-6. Web: <u>http://www.firsteditionsplants.com/the-plants/new-varieties/iceberg-alleytm-sageleaf-willow</u>, accessed 12.22.2019

Fagus sylvatica 'Fragrant Farms' - a listed name, leaf shape appears from image to be oak-like. So: http://www.davidsansjapanesemaples.com/shop/product/z_fagus_sylvatica_fragrant_farms/, accessed 5.2.2019

Osmanthus heterophyllus 'Grace Seabrook' - leaves glossy, rounded, not spinose. In: Dr. Nick Nickou. So: <u>https://www.brokenarrownursery.com/pdf/Broadleaf-Evergreen-Shrubs.pdf</u>, accessed 5.2.2019

Kalmia latifolia 'Forever Red' - flowers intense red in bud, developing about a week later than species typical, never fully opening and thus "forever", the floral effect persisting long as no energy is wasted in pollination and seedset, leaves dark green, glossy. So: <u>https://www.brokenarrownursery.com/pdf/Broadleaf-Evergreen-Shrubs.pdf</u>, accessed 5.2.2019

Ginkgo biloba 'Granny Stripes' - leaves green striped white, each leaf differing from the other in amount of chimera. So: <u>https://kiginursery.com/conifers/ginkgo-biloba-granny-stripes-variegated-maidenhair-tree/</u>, accessed 5.2.2019

Ginkgo biloba 'Pine Glen Dwarf' - 4 ft. tall x 3 ft. wide (10 years), semi-dwarf, leaves much reduced in size. So: http://www.davidsansjapanesemaples.com/shop/product/z_ginkgo_biloba_pine_glen_dwarf/, accessed 5.2.2019

Ginkgo biloba 'Jadwiga' - leaf blade much reduced, only 4-5 visible veins, these veins 1mm apart, deeply bifid at 95-98% depth, the two main lobes normally lobed or incised to 20% deep, overall surface area about 20% of a normal species leaf and 10% of some larger-leaved cultivars. Or: Poland. Li: Klimko, M. et all. 2015. Comparative morphology and anatomy of Ginkgo biloba L. cultivars. Acta Sci. Pol. Hortorum Cultus 14(4): 169-189.

Elaeagnus umbellata var. borealis 'Polar Lights' - 3m tall (10 years). Flowers cream to yellow, sweet-scented. Very cold hardy variety so durable, substitute for E. angustifolia, lacking runners and invasive traits.

Cotinus 'Ruby Glow' - flowering and seedheads rich, glowing, pinkish, darker and less pale than earlier selections. Web: <u>https://www.hillier.co.uk/nurseries/products/listings/cotinus-ruby-glow/</u>, accessed 3.26.2019

Juniperus (Hetzii Group) 'Filip's Snowdance' - as 'Grey Owl' (a hybrid, thus not J. virginiana as commonly cited) but mottled white.

Acer camp 'Eko Effen' - 6-8m tall, ovoid, dense, slightly narrower than 'Elsrijk', straight leader. Leaves dark green, undulate. Mite, and mildew resistant. Web: <u>https://www.vdberk.com/trees/acer-campestre-eko-effen/</u>, accessed 12.19.2019

Magnolia grandiflora 'Miss Chloe' - pyramidal dense, strong growth rate, flowers 10-12 in., clear pink stamens (not burgundy), Cherrylake Nur. from superior plant, selected 1993

Deutzia scabra 'Full Pull' - a listed name with www.esveld.nl, not described. Data requested.

Pittosporum 'Sappy' - 15 ft. tall x 6-8 ft. Leaves bluish-green. Flowers light creamy-yellow, very fragrant. Or: Cistus Gardens, cistus.com, thus not to be confused with P. illicioides 'Strappy' of Monrovia and Dan Hinkley, a very different clone.

Arctostaphyllos aff. densiflorus 'Orleans' - Web: cistus.com, introduced before 2019

Arctostaphyllos 'Ishi Pishi' - Web: <u>http://www.cistus.com/pdf/CistusMailOrderCatalogFall2019.pdf</u>

Tilia americana SWEET STREET™ 'Kromm' - 30 ft. tall x 15 ft. wide, densely pyramidal, neat, narrowly ovoid according to images seen, leaves glossy dark green, persisting longing in the year, resistant to Japanese beetle damage. Or: Russell Kromm, Reeseville Ridge Nursery, Wisconsin.

Euonymus fortunei 'Bushel of Gold' - 12 in. tall x wide, stems yellow, leaved bright yellow, eventually becoming lime with gold tints and veins, finally all lime. Or: Flemings Flower Fields, <u>www.flemingsflowers.com</u>, their own selection, accessed 3.25.2019

Gardenia jasminoides SWAN PRINCESS[™] '4KIMYMJ01' - 58 cm tall (4 years) or 78 cm tall (8 years) x 62 cm wide (4 years) or 87 cm wide (8 years), shorter and denser than 'Double Mint', 11.0-18.0 cm growth rate per year when young, internode 1.68 cm (compared to 2.3cm in 'Double Mint'), denser than parent 'Frostproof', compact, uniformly mounding, rounder than parent 'Frostproof', leaves dark green (darker than parent 'Frostproof'), 3.48 cm long x 1.14 cm wide, oblanceolate, resistant to root diseases, flowers double (2 rows of petals, 1 row of petaloids), early (2 weeks before 'August Beauty'), more numerous than older clones, proven cold hardy in Georgia. Or: USPP# 29857 on 20 November, 2018 to Brian Jernigan, Dearing, Georgia from open pollination in 2009 crossing 'Frostproof' with unnamed male parent.

Cotinus coggygria FLAMISSIO 'Mincofla20' - 1.5-2.0m tall, "spread well, forming numerous, straight shoots". Leaves magenta in spring, becoming green by summer, becoming intensely red and orange, rich glowing flame-like shades in fact. Flowers somewhat small, inconspicuous, fruit however more showy, fluffy like a "pink wig". Or: Hortival Diffusion S.A.S., France, introduced by Minier 2019. Web: <u>https://www.pepinieres-minier.fr/produit/cotinus-coggygria-flamissimo-r-mincofla20-cov</u>, accessed 12.19.2019.

Juniperus rigida var. conferta 'Sunflower' - leaves yellow to gold at first green, by images it seems to transition to green faster than GOLDEN PACIFIC and be a bit denser, slower than it. Comparisons of the two and a couple other gold sports being reported are most welcome. Web: <u>https://newplants.nl/en/planten/J/juniperus-conferta-sunflower/</u>, accessed 5.1.2019.

Euonymus alatus 'Blade Runner' - habit "robust and well branched", distinctly corked or alate twig wings extending down the entire stem, leaves crimsom-pink in fall. Web:

https://www.hillier.co.uk/nurseries/products/listings/euonymus-alatus-blade-runner/, accessed 3.26.2019

Enkianthus campanulatus PRETTYCOAT™ 'JWW10' - compact, well-branched, leaves dark green with showy dark red stems, flowers white with no visible markings, barely a hint of pink at first, abundant. Web: <u>https://newplants.nl/en/planten/E/enkianthus-campjww10-pbr-prettycoat/</u>, access 5.1.2019

Buddleia davidii 'Griffin Blue' - 6 ft. tall, semi-compact, inflorescences larger and upright, flowers dark blue, orange center, very fragrant. Or: University of Georgia, Experiment Station, Griffin, Georgia

Hibiscus syriacus 'Lady Bug' - 6-8 ft. tall, flowers light pink to blush, double, 6-8 weeks bloom period, 3.5-4.0 in. wide, few or no seeds, flowers open reliably in morning. Web: <u>http://www.drcarlwhitcomb.com/</u>, accessed 12.21.2019

Ligustrum sinensis 'Green Global' - 15-20cm tall, dwarf, internodes 0.3-0.5cm, 50-70 leaves per branch, reduced leaf size, 0.5-1.5cm long by 0.3-0.5cm wide, elliptic to ovate, acute, cuneate. Or: USPPAF on December 13, 2018 to Ukai Takanori, Japan, as whole plant mutation in Suzuka, Japan in 2006. It is interesting to note that we recently found reference in the 1936 catalog of the Japanese Nursery, Genoa, Texas of a Ligustrum sinensis nana compacta aka Babydoll Privet that was dwarf and not over 2-3 ft. tall. It sounds larger than this introduction but is just one of many old cultivars unrecorded in popular woody plant literature but now in the CWP system. For the record, there are now two dwarf Chinese privets.

Itea virginica LOVE CHILD[™] 'Bailteaone' - 3-4 ft. tall x wide, mounded, compact, subglobose with time, leaves bright green, flowers slightly scented, very fliriferous, fall foliage mostly burgundy.Or, in: www.baileynurseries.com, accessed 4.3.2019

Acer palmatum 'Bronze Wing' - leaves narrowly incised, bright orangish-red in spring, becoming bronze by summer, lasting color into summer in Australia, yellow to orange in fall. Or: Australia.

Sambucus nigra f. porphyrophylla 'Blue Sheen' - leaves dark purplish-black, distinct silvery-blue to violet sheen, flower head medium pink, showy. Web: <u>https://www.shootgardening.co.uk/plant/sambucus-nigra-f-porphyrophylla-blue-sheen</u>, accessed 12.19.2019

Spiraea japonica RAINBOW FIZZ[™] 'Matgold' - 3-4 ft. tall x wide, compact, subglobose, leaves copper at first, later yellow with red tips, mostly medium yellow to greenish-yellow when mature, copper-red in fall, flowers red in bud opening a medium pink, violet-pink by images, USDA 3. In: www.bloomineasyplants.com, accessed 4.1.2019, introduced 2017

Spiraea japonica POPROCKS[™] PETITE 'Odessa" - 3 ft. tall x wide, compact, subglobose, leaves rich, bright green, flowers bright candy pink, very abundant in small but numerous mounded corymbs. USDA 3. In: www.bloomineasyplants.com, accessed 4.1.2019, introduced 2019

Acer palmatum 'Phantom Flame' - 5 ft. tall x 4 ft. wide (10 years), slower, leaves similar to Ghose Series, cream at first, developing dark green veins and reddish apical tints, lobes very irregular, slightly twisted, narrow, and long, sharply and finely serrate, midrib the widest green vein of all. Or: Crispin's Creations Nursery, Oregon.

Lagerstroemia 'Perky Pink' - 2-3 ft. tall x wide, flowers rich violet-pink in well-defined panicles, blooming on new wood, leaves dark olive green, contrasting well. Or, in: www.waltersgardens.com, accessed 3.28.2019

Acer palmatum 'Dixie Delight' - bark of variable colors including orange to yellow and reddish shades, showy red twigs, leaves light green, edged red, sometimes mostly tinged red, very tolerant of southern US heat and humidity. Or: Maple Ridge Nursery.

Acer palmatum 'Green Tea' - vigorous, full-sized cultivar, leaves 5-lobed, these fairly broad with terminal lobe up to

3.5cm wide, shallow and rounded serrate, new tips reddish, later a green tea coloration in medium-light green, maturing to dark green, orange to red in fall. Or: Buchholz Nursery, Oregon as green sport of 'Amber Ghost'.

Acer palmatum 'Jet Black' - leaves 7-lobed, each lobed very wide, secondary lobes often overlapping with central lobe, one of the darkest in this species for leaf color, dark burgundy maturing to blackish-puprle ot very dark red, not a true black, appearing black from a distance compared to ordinary red cultivars. Or: Oregon

Ginkgo biloba 'Snake' - a listed name at <u>https://www.npcginkgo.com/npcginkgo</u>, accessed 5.1.2019

Ginkgo biloba 'Pansy' - a listed name at https://www.npcginkgo.com/npcginkgo, accessed 5.1.2019

Ginkgo biloba 'Patio Umbrella' - a listed name at <u>https://www.npcginkgo.com/npcginkgo</u>, accessed 5.1.2019

Ginkgo biloba 'Laying Low' - a listed name at <u>https://www.npcginkgo.com/npcginkgo</u>, accessed 5.1.2019

Ginkgo biloba 'Leather Green' - a listed name at https://www.npcginkgo.com/npcginkgo, accessed 5.1.2019

Ginkgo biloba 'Scruffy Butterflies' - a listed name at <u>https://www.npcginkgo.com/npcginkgo</u>, accessed 5.1.2019 Ginkgo biloba 'Filips Perfect Spire' - a listed name at <u>https://www.npcginkgo.com/npcginkgo</u>, accessed 5.1.2019

Ginkgo biloba 'Filips Weeping' - a listed name at https://www.npcginkgo.com/npcginkgo, accessed 5.1.2019

Ginkgo biloba 'Late Case Gold' - a listed name at https://www.npcginkgo.com/npcginkgo, accessed 5.1.2019

Ginkgo biloba 'Torpes Enelopes' - a listed name at https://www.npcginkgo.com/npcginkgo, accessed 5.1.2019

Hedera helix 'Jake' - leaves small, narrowly to broadly cordiform, often asymmetrical, occasionally near sagittate, mature leaves more narrowly acute, younger leaves broadly obtuse, mix of yellow, gold and green shades, wide silver veins conspicuous.

Hedera helix [Birdsfoot Group] 'Courage' - large leaf of the Group's shape, deeply lobed, medium (typical green) with yellow edge becoming a lime to pale green margin ats 10-15% surface. Sport of 'Maple Leaf', US c. 2001

Hedera helix 'Sally' - classifically shaped 5-lobed blade, rich gold to bright lemon yellow, liberally and finely spotted and suffused olive green to medium green, this green shade about 30-45% surface or more with maturity. Or: UK 1992, not widely seen until this decade.

Hedera helix 'Seabreeze' - leaves shallowly 3-5 lobed, almost a Fan type but lobes more distinct, lightly twisted with a folded sinus, margined and sectored cream at 15% surface, tinged lime green

Hedera helix 'Ballet' - leaves narrowly to moderate cordiform but usually asymmetrical (lop-sided) and irregular in shape, some unlobed and elliptical, others shallowly 3-lobed, some broadly elliptic with 1 very rounded basal lobe, margined cream becoming white, surface overlaid in light gray to silver chimera over green.

Heptacodium miconodes TIAHSHAN® 'Minhep' - 8-12 ft. tall x 5-7 ft. wide, more compact and shorter than species at 20-25 ft. Flowers abundant and typical of species. Or: Minier, France. Web: <u>http://www.firsteditionsplants.com/tianshanr-seven-son-flower</u>, accessed 12.22.2019

Ilex x meserveae LITTLE PIRATE® 'Monnieves' - 1.2m tall x 0.9m wide, "a very robust dwarf", compact, subglobose to erect-mounded, most shoots distinctly erect. Leaves dark green, glossy. Fruit absent. USDA 5b. Or: Nieves Garcia, McMinnville, Oregon, USA. Pat: EU 43627.

Loropetalum chinense 'Rouge de la Majorie' - Web: <u>https://newplants.nl/en/planten/L/loropetalum-chinensis-rouge-de-la-majorie/</u>, accessed 12.20.2019

Our nomenclatural standard for the Cercis is Cultivars of Woody Plants as well as the new United States National Arboretum registration page: <u>https://www.usna.usda.gov/science/icra/cercis-icra</u>. They are the official ICRA. Thanks for citing The Redbuds ebook (which is the CWP volume on Cercis) and the 2017 OROC Book V.



Cercis canadensis FLAMETHROWER[™] 'NC2016-2' - habit semi-pendulous to apically drooping, not a full nor classic weeper, cascading to arching perhaps, leaves at first purple becoming tinged paler bronzish-purple to pinkish-purple, rich yellow to near gold tinged purple and red, sometimes medium yellow subtlly veined or suffused around the major veins in pink to red, finally yellowish-green, giving a flame-like appearance overall when in active growth, showing a mix of two major colors and dozens of minor ones in spring or as long as new growth continues. The color contrast is reduced after mid-July. Or: Dr. Dennis Werner, North Carolina State University, cross of NC2006-14 (a weeping, purple leaf) x RISING SUN[™] in 2010. Image copyright owned by and courtesy of the originator. In: licensed to Star Roses. A very unique leaf coloration among deciduous ornamental trees and what I am going to be calling purpureo-aurescent or "purple becoming gold".

Alnus glutinosa 'Drucourt' - leaves sectored broadly in cream to white. France, before 2015 ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916</u> Alnus cultivars Jablonski.pdf, accessed 12.23.2019

Alnus glutinosa 'Luszyn' B. Szmit, Poland ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Alnus glutinosa 'Thillie Trompenburg' Gert Fortgens 2018 ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Alnus incana 'Gold Cascade' Arboretum Borova Hora 1998 ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Alnus incana 'Gold Fountain' Arboretum Borova Hora 1998 ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Alnus incana 'Green Fountain' Arboretum Borova Hora 1998 ex arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf, accessed 12.23.2019

Alnus incana 'Wonderful Fountain' Arboretum Borova Hora 1998 ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Alnus incana 'Varho' Finland ex <u>arboretumwespelaar.be/userfiles/file/pdf/180916_Alnus_cultivars_Jablonski.pdf</u>, accessed 12.23.2019

Taxus x media 'Masa' - 2-3m tall, dense columnar to narrowlyk ovoid, moderate growth rate, main shoot all erect, vertically arranged. Leaves thick, wide, pointed, light green, becoming rich, dark green. Sex: female, setting some cones with red arils. Or: Joanna Szaniawska, introduced by Acrocona SKiKO in 2019. <u>https://zszp.pl/en/plants/plants-novelties-competition-2019/#taxus-xmedia-masa-2</u>, accessed 12.18.2019

Acer palmatum [Dissectum Group] 'Kings Blood' - leaves scarlet, intermediate between two parent cultivars, strongly serrate. Or: USPPAF March 18, 2018 to Chris Winslow Davis, Virginia Beach, Virginia, bred from 'Crimson Queen' and 'Bloodgood, apparently this patent never approved.

Euonmus japonicus GREEN EMPIRE® - Web: <u>https://www.koju.de/en/assortmentshop/decidous-trees-and-shrubs/1466/euonymus-japonicus-green-empire</u>, accessed 12.24.2019

Juniperus x media 'Swampscott Gold' - arching, spreading, intermediate to highly divergent foliage, leaves small, bright golden-yellow tips,becomng lime-olive the second year, soft texture to touch. Or: Brent Marcus, 2003, found as sport. Web: <u>https://www.raretreenursery.com/types/juniperus-juniper/</u>, accessed 12.23.2019, as a J. chinensis but by habit, clearly this hybrid species.

Juniperus communis TORTUGA™ 'SMNJCB' - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Lagerstroemia CENTER STAGE RED[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Nerium oleander AUSTIN PRETTY LIMITS[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Philadelphus coronarius ILLUMINATI ARCH[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019

Rhamnus fragula FINE LINE IMPROVED[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019. Ns: "Improved" is banned from cultivar names but this being a trademark has no such limitations.

Taxus STONEHENGE DARK DRUID[™] 'SMNTHDB' - 3-4 ft. tall x 3 ft. wide, "neat and tidy", subglobose to flattened globose, dense, Buxus substitute for texture, color, and form. Leaves green all year. Said to be very cold hardy to no USDA zone was given at the time of this publication. Or: Tim Wood, Spring Meadow Nursery, intro. 2020 - www.springmeadownursery.com, accessed 12.21.2019. This is not the original STONEHENGE[™] without a suffix name.

Taxus STONEHENGE[™] SKINNY - <u>www.springmeadownursery.com</u>, accessed 12.21.2019.This is not the original STONEHENGE[™] without a suffix name, both are narrow.

Viburnum SWEET TALKER[™] - <u>www.springmeadownursery.com</u>, accessed 12.21.2019.

Viburnum YIN[™] 'NCVX2' - 2-4 ft. tall x 4 ft. wide, subglobose to mounded, dense. Leaves broadly elliptic, 3-veined as parent V. davidii, glossy, bluish-green. Flower white in globose clusters. Fruit bright blue, best pollinated by YANG[™]. Or: Dr. Tom Ranney, NC State, cross of V. davidii x V. propinquum, giving more heat tolerant to the V. davidii leaf look. USDA 7b. Web: www.springmeadownursery.com, accessed 12.21.2019.

VIburnum YANG[™] 'NCVX3' - 2 ft. tall x 4 ft. wide, compact, subglobose to mounded, dense. Leaves thicky, glossy, bluish-green. Flowers in showy openclusters, white. Fruit elliptical, blue, needs YIN[™] for pollination. Or: Dr. Tom Ranney, NC State, as V. davidii x V. propinquum, heat tolerant unlike V. davidii but having the appealing look of that species. In: Spring Meadow Nursery 2020. Web: <u>www.springmeadownursery.com</u>, accessed 12.21.2019.

Acer palmatum 'Patsy' - dense, erect, soft texture, eaves 7-lobed, massive dentate teeth, apex prolonged very long and sometimes subfiliform, bright, light lime green to chartreuse-green, distinct margins red to pink shades, fall colors in orange, red, and yellow.

Acer palmatum 'Livy' - 5-6 ft. tall (10 years), semi-dwarf, dense, leaves red to bronzish-red and shaped as 'Mikawa', rich red in fall.

Acer palmatum 'Nebula' - leaves 7-9 lobed, these fairly broad but also folded down (cucullate), very pale pinkishyellow shades (Ghost style) with red tints and margins, veins darker, bright to dark maroon red in fall. Or: Buchholz Nursery

Prunus laurocerasus ELLY® 'VERSTRA' - Web: <u>https://www.koju.de/en/assortmentshop/decidous-trees-and-shrubs/1480/prunus-laurocerasus-elly-verstra?c=146</u>, accessed 12.24.2019

Larix laricina 'Michigan Tower' - vigorous, "fairly narrow", foliage bluish-green. Or: Josh Horky and Josef Braeu of Edelweiss Nursery. Web: <u>https://www.raretreenursery.com/types/larix-larch/</u>, accessed 12.23.2019

Morus rotundiloba BONBONBERRY® MOJO BERRY 'Matsunaga' - 1.5m tall, dwarf, compact enough for small yards

and large containers. Fruit black, bearing on both old and new wood, self-pollinating, fruiting well in small spaces over a longer period, often the first year from purchase. Considered an ornamental-edible, it removes the need for 6-8 trees, one for bearing and one for pollinating, replacing it by one small shrub. Ch: -10 deg. C. Pat: EU 51394 to Hajima Matsunaga., Japan. Web: <u>https://www.plantipp.eu/en/varieties/?type=&introduction=1&rpp=20&q=</u>, accessed 12.19.2019.

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