INTRODUCTION: This is the first of three volumes in our series of woody plant cultivar registrations submitted to and discovered by the OROC Project. Originally we hoped to "just catch up" on years of missing registratrions and documentation and cut off the new tree, shrub, vine, and conifer registrations at 2013. We figured there might be a few pages. In fact, doing 2013 to present eventually produced more than 180 PDF 8 x 12 in. pages of described cultivars. And that count grows every single day.

Just yesterday we found another 31 commercially offered cultivars from Europe we had missed. We don't normally read alot of Polish and Hungarian nursery catalogs - but should! Every country has some very cool, new stuff. Cultivar.org now has 209 Ginkgo cultivars, all documented, and that number should speak volumes about how obsessed we are with finding out and learning - and of course sharing the data with absolutely everyone. And I was online this week getting new Ginkgo data from Ginkgo collectors around the world. The 209 is going to grow and it should.

This past several years has been a wonderful, exciting ride and the OROC volunteers never get tired of your email comments. More than 78,000 people have either viewed online or downloaded our free registers. There are untold more people, mainly at schools and libraries we think, who received copies second and third hand. Please continue to share these registrations. My favorite comment (and one that speaks volumes to me personally) is "I would have [loved/killed for] to have this resource when I was a student". Me too. Cubed. My second favorite comment is "I almost bought a bunch of X and you guys told me about a better cultivar with more disease resistance and a better look". I'm no eco-nut but knowing about new, superior cultivars is going to spare the world from alot of unnessesary spraying, weeding out seedlings, cleaning up messy fruit, water consumption, and corrective mainteance. That is both green and logical.

The partner and chief funding source of OROC Woody Plant Registrations remains my own comprehensive encyclopedia, Cultivars of Woody Plants (CWP). Those volumes are getting or have received all the new OROC registratons as have the books, articles, blogs, tweets, and posts of other authors. If these registrations seem out of context, please subscribe to CWP which adds cultivars from around 700 A.D. to present and compares the new to the old. Yes, some garden trees and shrub varieties are that old. CWP is the bigger picture, spanning centuries of variety knowledge.

We have endeavored to produce as accurate and useful descriptions as possible based on all available information on these new and often very rare cultivars. This registry is never finished so if you know more (and can document it) please contact us at ornamentals@lycos.com with OROC in your subject line. Where no descriptions are placed please rely on the under URL link to view the originator's or a major vendor's description.

Before I ramble on...yet again...OROC is not pronounced like a popular, light weight, hotel lobby vacuum cleaner but as "Oh-rock" something like the snazzy and garish lime green or orange IROC Chevy Camero you or your dad may have had in high school. If you're a Millennial...Google IROC before your phone catches fire. Hope that helps. We hope to rock.

Some wise collectors, breeders, plant materials experts, students, designers, directors of this or that, consultants, big growers, plant people of all shapes and sizes, curators, taxonomists, gurus, future gurus, and otherwise well connected plant people did not know about a large percentage of the plants we registered. Neither did I. So maybe this remains a good idea.

If this book makes you or me feel more eager to learn and click, empowered, charged up, ready to dig up more of your lawn for planting beds, crazy and insane to acquire some new cool plants, happy about the general state of gardening universe, loving those devoted plant breeders, bringing your students up to pace, and with a vast new knowledge base, we at OROC have done our job. If we went "above and beyond" and we knocked your socks over to the next county, please write. If we didn't - also please write and tell us how to get better.

Your data submissions today will make those free books happen. Thank you in advance.
Tell us what you think because we truly care.

- Larry Hatch
Senior Registrar and General Editor

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CULTIVARS OF WOODY PLANTS (CWP) is your guide to more cultivars than any other manual or reference. Your purchase of CWP, a massive, detailed, 4000-page PDF encyclopedia of trees was written over 38 years. It goes anywhere you do on your phone, tablet, laptop, etc. Please visit www.cultivar.org for subscription information. Licenses are as low as $49.00 per user.

ABEL001 - Abelia TWIST OF ORANGE™ 'sPg-3-069' (Hawksridge Farms) - 4-5 ft. tall x wide. Leaves margined coral-orange at first, later more gold-margined, chimera 15-30% surface, very bold as such. Flowers near white, floriferous. Developed by the Southern Plant Group or sPg.

ABEL002 - Abelia SUNNY CHARM® 'MINDU01' (Plantarium.nl) - 50-110cm tall x wide, dense, subglobose. Flowers dark cream to light yellow, throat also purplish-pink to pale violet on side, main throat cream with fine golden reticulations, very odd colors for this genus, buds distinctly violet to purple on exterior, calyx more copper to reddish. Selected by Pepinieres Minier, Eur. PBR 35714.

ABEL003 - Abelia x grandiflora LUCKY LOTS (Concept Plants)


ABEL005 - Abelia PINK PONG® 'ABENOV41' - 1.5-2.0m tall x 1.2-1.5m wide. Flowers rich lavender-pink to violet in bud opening to light pink or lavender-pink with darker markings of golden-orange in throat, calyx more light pinkish-orange to purplish-copper, highly floriferous over a long period. Selected by INRA/SAPHINOV, a 2004 cross of A. schumannii 'Bumblebee' x A. grandifolia 'Semperflorens', sapho.fr, EU PBR pending, accessed 5.31.2015.
ABEL006 - Abelia x grandiflora GOLD TOUCH® 'BMRGOLD' - 60-100cm tall x 60-80cm wide. Twigs orangish to red, showy, contrasting well. Leaves golden-yellow, orange and copper tints in new tips, similar but stronger tones in fall. Flower near white to pale pink. Selected by Andre Briant in cooperation with Pepinieres Minier.

ABEL007 - Abelia x grandiflora MYSTIC DAYDREAM 'Opstal40' USPP# 25193


ABEL009 - Abelia x grandiflora PINK LADY™ 'KEYLAD' - compact, irregularly spreading to mounded. Leaves broadly margined white at 15-40%, new growth bright pink, very showy as a tricolor.

ABEL010 - Abelia x grandiflora 'KEYFLY' - Pat: Euro PBR CPVO #20122179 to Klemens Keyser's on April 24, 2014.

ABEL011 - Abelia x grandiflora 'KEYCARN' - Pat: Euro PBR CPVO #20150197 to Klemens Keyser's on January 26, 2015


ABEL013 - Abelia x grandiflora BELLA DONNA™ 'Wevo1' (incorrectly on some websites, as 'Wevol') - 20.4 cm tall x 47.4 cm wide in 15 cm containers, can reach 1 m tall x wide in time, initially sub-prostrate to low-spreading, low mounded, much lower than most other variegates as young plants, leaves margined light yellow at first, becoming a cream to white margin with maturity, very dark green base color, chimera about 5-15% surface, some "sectoring in" lines at the apex, also a midrib that may be marked yellow to white too, variegation retains from spring to winter. flower corolla nearly white, floriferous, very long summer bloom period. Pat, or: US#26126 to Landert de Vos on Nov. 24, 2015, as 'Wevo1', a sport of 'Abelops' 2008 in Reeuwijk, The Netherlands.

ABEL014 - Abelia x grandiflora SCENTED BLUSH™ SUNSHINE DAYDREAM 'Abelops' - legacy registration: Please read Pat: US#20951


ABEL016 - Abelia x grandiflora TWIST OF LIME™ - new trademark name for 'Hopleys'. http://www.gardendebut.com

ABEL017 - Abelia x grandiflora TWIST OF VANILLA™ 'Wevo1' - http://www.gardendebut.com

ABEL018 - Abelia x grandiflora FUNSHINE™ 'Minacara1' = 2-3 ft. tall x wide, leaves with "bright marmalade-orange and caramel" all season long, older leaves lime to light green, flower corolla lavender-purple "peppering the branches all summer", fragrant, better habit and dark color than BRONZE ANNIVERSARY "which it now replaces". In: http://springmeadownursery.com/plants_details.php?id=410, accessed 12.27.2017

ABEL019 - Abelia PASTEL CHARM® 'Minduo2' - 1.5m tall x wide, flowers appearing light pink, on close inspection light pink with lavender-pink markings at the base of the corolla outside and in the middle of it's lobes inside, new leaf tips reddish. Or: Pepinieres Minier 2014, https://www.pepinieres-minier.fr/produit/abelia-x-pastel-charm-r-minduo2-cov, accessed 12.27.2017


ABIE001 - Abies concolor 'Bugy Wugy' (Buchholz Nursery)

ABIE002 - Abies fraseri 'Green Scout' (Brotzman’s Nursery) - narrowly columnar


ABIE004 - Abies lasiocarpa 'Blue Bear' - compact, slow, 2-4 in. a year growth rate, very rich icy blue, a different shade than the popular 'Glauc Compacta'. In, ph: http://www.coniferkingdom.com, accessed 10.12.2016


ACCA001 - Acca sellowiana BAMBINA™ 'TharFiona' - 3-4 ft. tall x wide, semi-dwarf, very compact. Leaves silvery, very showy, perhaps more so than species. Ch: USDA 7 as some (not all) species selections. So, in: http://southernlivingplants.com/shrubs/plant/bambina-pineapple-guava, accessed 10.31.2017. This ornamental-edible has fruit with a guava-like appearance but very complex flavors

CULTIVARS OF WOODY PLANTS (CWP) is your guide to over 1000 cultivars of maple. Your purchase of CWP, a massive, detailed, 4000-page PDF encyclopedia of trees was written over 38 years. It goes anyone you do on your phone, tablet, laptop, etc. Please visit www.cultivar.org for subscription information.

ACER001 Acer davidii VIPER® (Minier Nurseries) - an interesting bark, mostly pale greenish-white, faint stripes

ACER002 Acer rufinerve GREAT STAR® (Minier Nurseries) - bark bright green, heavily striped white (40% or so). Leaves rich carmine-red to orange shades in fall.

ACER004 - Acer 'Sugarflake' (A. griseum x A. saccharum)

ACER005 - Acer (Rochester Group) 'Shaved Chocolate' (Songsparrow Nursery, a Klehm introduction)

ACER006 - Acer palmatum x pseudosieboldianum ARCTIC JADE (Iseli Nursery, their own hybrid)


ACER008 - Acer 'Ample Surprise' (A. amplum x A. platanoides)

ACER009 - Acer platanoides 'Beskid' (Institute of Pomology and Floriculture, Poland) - fastigiate with twisted, curled leaves, something like 'Newton Sentry' and 'Crispum' were crossed. Collectors will adore this. NOTE: this link produces an automatic PDF download which may or may not load onto your screen.

ACER010 - Acer x freemannii SHELINA'S BEAUTY™

ACER011 - Acer campestre JADE PATINA™, photo courtesy of and copyright owned by www.baileynurseries.com, is a distinct improvement on the old, rampant, and ratty species. This one has a clearly incurving habit, erect-globose to ovoid in time, and a wonderful dark incised blade that reminds some of Acer griseum. The fine folks at Bailey's nursery, being in a climate where these super hardy maples are a real necessity, have a long record of improving tough Acer species.

ACER012 - Acer buergerianum 'Angyo Weeping' may prove to the best weeping maples outside Acer palmatum Dissectum Group. It actually has some grace and is not semi-pendulous like so many so-called weeping, more like slightly cascading, cultivars promoted over the last two centuries. Now that the species has been shown to be surprisingly tough, hardy, and pretty in the North American mainstream landscape, suitable now for even corporate and mall plantings, this type of cultivar might get a shot at fame. Click image please. Image above not part of OROC Data Sharing.

ACER013 - Acer palmatum RED WINE® - Habit erect, strong. Leaves with new tips very bright red, becoming green suffused and heavily tinged purple to dark red, some even bronzish-green or bronzed red, orange to red shades in fall. It is not "ever-red" in the Bloodgood sense.

ACER014 - Acer NORTHERN GLOW® 'Hasselkus' (A pseudosieboldianum x A. palmatum) - 20 ft. tall x 24 ft. wide, upright-spreading. Cold hardy USDA 4, giving palmatum-like looks a zone better. Leaves green, deeply lobed, coarsely dentate to long-dentate margins, fall color bright orange and coral-red to dark red, very showy. Bred by Dr. Edward Hasselkus, University of Wisconsin, Madison.

ACER015 - Acer URBAN SUNSET™ 'JFS-KW187' (A. truncatum x A. platanoides) - 35 ft. tall x 20 ft. wide, compact, needing little pruning, narrowly pyramidal to upright-ovoid. Leaves dark glossy green, favoring A. truncatum for shape, silhouetted as an almost ratr-like or Liquidambar style look with broadly spaced lobes and deep lobing, fall color a rich, dark red, other times a rich orange to red Rmix. Cold hardy to USDA 4b. Jfschmidt.com, accessed 5.8.2015, their new introduction for 2015.

ACER016 - Acer buergerianum RAISING BLAZE 'EOAB1' - leaves very glossy, dark green, improved orange to red fall colors. Low seed production rate, therefore less chance of invasive behavior as some species seedlings and cultivars exhibit with high samara counts. Proven more heat tolerant in the southern US. Selected by Rusty Allen, Eastside Ornamentals, Athens, Georgia, US c. 2012. Literature: Dirr, M.A. 2012. In praise of noble trees. web article, plantintroductions.com, accessed 5.8.2015

ACER017 - Acer miyabei 'Butterball' - fall color reliably yellow, showy, if given enough sun. See http://www.montgomeryparks.org/activities/things_to_do/fall/documents/shf_presentation.pdf

ACER018 - Acer circinatum THREE CHEERS™ - 10-15 ft. tall x 6-8 ft. wide, twice as tall as wide in some cases, flame-shaped or ovoid, not a weak wild form but having uniform growth, an extrect shrub to small tree. Leaves of typical dimensions yet darker green than most. heritageseedlings.com, accessed 5.6.2015, their own selection.

ACER019 - Acer palmatum 'Kinky Krinkle' - 8 ft. tall x 4 ft. wide (10 years), upright. Leaves bright green, lime at first, distinctly and thinny marked dark red to reddish-purple (1-5% surface), margin irregularly serrate to serrulate, crinkled look, 3-5-lobed to 75% deep but marginal crinkling is finer and more shallow, golden fall colors. Selected by Buchholz Nursery, accessed 5.19.2015.
ACER020 - Acer palmatum 'Peve Dave' - leaves very deeply lobed to 90% or more, lobes very narrow elliptic-linear, intermediate between species and Linerilobum Group, favoring the later, dusky pinkish-red, midribs and secondary veins more clearly pink to orangish-pink, later more reddish-purple with maturity, orange or red shades in fall, can very fiery orange in the right conditions.

ACER021 - Acer platanoides 'Nowush' - semi-dwarf, densely compact and subglobose (from witches broom) at first, later more erect, narrowly ovoid to narrowly pyramidal, can be trained more columnar, numerous erect columns of foliage, not an odd bean-pole as some mutants, being well-branched with many laterals, appears to be a viable small tree for many applications in the landscape. Leaves smaller, reduced in all parts, slightly and elegantly curled, very asymmetrical, often more deeply lobed than species (to 50-75% at times), lovely for the semi-incised look with many strong lobe and sub- lobe acuminate to acuminate-cuspidate apcies, not deformed as some species mutants, terminal lobe usually large and dominating, fall color often a rich, showy gold.

ACER022 - Acer rubrum 'Jinse Qiutian' - leaves 5-lobed, distinctly light golden-brown in fall, photo appears to be more dark golden, 30 days of color. Published in Acta Horticulturae Sinica 42(2): 403-404 (2015)


ACER028 - Acer negundo 'Tadeusz Szmanowski' - leaves very deeply incised, typical bright, light green, some lobes cut to the midrib and others to 0.5-1.5cm deep from the midrib. photo: http://www.drzewa.com.pl/7505/klon-jesionolistny-tadeusz-szymanowski.jpg


ACER030 - Acer saccharum 'Kristins Dissected' - 40 ft. tall x 20 ft. wide. Both narrowly columnar and with incised, dissected blades, yellow or orange shades in fall. Ls: Dawes Arb. 2012.

ACER031 - Acer palmatum 'Snow on the Mountain' ( 'Yuki Yama') - Dwarf, tufted at times, subglobose to densely mounted, very small, leaves narrowly 5-lobed, new growth rich pink with a paler white to green mottled midrib, becoming dark green finely mottled green with occasionally large patches (sometimes entire lobes) in white with sparse green markings, chimera often 90% in new growth and becoming 40-50% later, and very limited in old leaves. The originators compared it to "a variegated extreme dwarf form of 'Mikawa Yatsubusa', having smaller internodes and denser habit over time. Or, in: s3.amazonaws.com/essence-catalog/Essence_Catalog_Spring2016.pdf, accessed 10.7.2016, their own introduction, Two named as used but since 'Snow on the Mountain' appears in single quotations marks we consider that the preferred cultivar name. Being of difficult propagation the first plants are offered at $200.00 US.


ACER034 - Acer grandidentatum MESA GLOW™ JFS-NuMex 3' - 28 ft. tall x 18 ft. wide, erect, ovoid. Leaves glossy, dark green in summer, orangish-red to red in fall. Drought tolerant, adaptable to areas where this species is perhaps superior to eastern species. Ch: USDA 4. Or: Rolston St. Hilaire, New Mexico State University. In, ph: http://www.jfschmidt.com/introductions/mesaglow/index.html

ACER036 - Acer buergerianum VALYNOR® 'ABFSS' - 35-40 ft. tall x 20 ft. wide, habit directly more erect, columnar-ovoid, useful in a species which can easily span 50-80 ft. wide with time. Pat: US #19181 to Dwayne Moon


ACER039 - Acer platanoides 'Emerald Orb' ('Waxman's Dwarf') - 10 ft. tall x wide (20-30 years, estimate), habit very dense, globose, perfectly symmetrical, rounded framework of tightened spaced branched, only 6 inches growth a year at first. Or: Dr. Sidney Waxman, University of Connecticut, and one of his many fine witchesbrooms with high ornamental potential. In, photo: [www.brokenarrownursery.com](http://www.brokenarrownursery.com), accessed 10.3.2016, "a fun new selection...we finally decided to name and introduced after numerous favorable comments and more than a decade's worth of trial and evaluation". Ns: the name 'Waxman's Dwarf', very likely the same clone or a similar one has been used by [www.davidsansjapanesemaples.com](http://www.davidsansjapanesemaples.com) and [www.nurseryguide.com](http://www.nurseryguide.com), accessed 10.3.2016.

ACER040 - Acer palmatum 'Debbies Golden Splendor' - leaves golden-yellow all spring and summer, not fading as older gold-leaved clones. In: [www.whistlinggardens.ca](http://www.whistlinggardens.ca), accessed 10.3.2016, as was as lakenursery.com and [www.handynursery.com](http://www.handynursery.com).

ACER041 - Acer palmatum 'Clarabell' - leaves with yellow to chartreuse new growth, margined orange or tinged reddish-orange near the margins, primary veins yellow to chartreuse, contrasting, well, , similar to the popular 'Kadsura' but a smaller blade, mostly green and uniformly so by summer, fall tints in orange to red shades. In, photo: [https://www.mrmaple.com/Buy-Acer-palmatum-Clarabell-Japanese-Maple.html](https://www.mrmaple.com/Buy-Acer-palmatum-Clarabell-Japanese-Maple.html), accessed 10.3.2016


ACER045 - Acer palmatum 'Strawberry Spring' - leaves very pale green, heavily frosted in white and silver, new growth suffused rich red near the margins in particular, leaf shape with irregular, variable jagged teeth and lunes. Or: Buchholz Nursery as seedling of 'Amber Ghost'. photo: florawander.blogspot.com, accessed 10.4.2016

ACER046 - Acer pseudosieboldianum NORTHERN SPOTLIGHT 'KorDak' - 20 ft. tall x 15 ft. wide. Leaves green, silky pubescent at first, emerging late to avoid frost, tolerant of wind and heat, bright red in fall, retained into winter in russet brown shades, these retained leaves functioning to prevent sunscald of the bark. Ch: USDA 3 or about -40 deg. F. Or: Greg Morgenson, Bismarck, North Dakota.


ACER049 - Acer palmatum f. dissectum (Dissectum Group) 'Dark Straw' - classic, semi-dwarf, mounded form of the group, smaller than some of new vigorous material. Leaves very dark and rich red, a very duration, stable, almost blackish-red at times, not a pale red like some other new material, reminding some of a dark red haystack. In, ph: http://www.davidsansjapanesemaples.com/shop/product/dark_straw, accessed 10.7.2016

ACER050 - Acer palmatum subsp. amoenum 'Jade Gate' - habit smaller than subspcs as typical, a slower seedling. Leaves typical of this subspecies, being one with mostly 7 very wide, even bulbous, star-like lobes, rich green spring and summer color, orange to red fall shades. Or: Nancy Fiers found as a slower seedling, intended for bonsai use but it became a smaller, landscape tree of real merit. Or, In, ph: https://www.essenceofthetree.com/products/show/153-acer-palmatum-jade-gate, accessed 10.7.2016, their own introduction

ACER051 - Acer palmatum f. dissectum (Dissectum Group) FIRE CRACKER® (popularly 'Fire Cracker' or JEWELS® 'Firecracker') - Very vigorous for this group and thus superior to older selection but still maintaining compactness. leaves much incised as form and group, rich crimson-purple becoming brownish-orange in fall, petiolo usually a much bright, bolder red shade (not purple). Said by some experts to be among the most stable dark reddish-purple cultivar of this type. Or, pat: Holland, Euro PBR. In, ph: http://www.maillot-erable.com/en/boutique/37_acer-palmatum/1189_fire-cracker, accessed 10.7.2016


ACER054 - Acer palmatum 'Going Green' - strong, vigorous, robust young plants, twigs green in winter, showy in contrast to other colors such as the gold, reds, oranges in this species. Leaves a basic green but bright, showy, yellowish-orange in fall, serrate, about typical of subsp. palmatum shape and margins. Something of a good species alternative with better traits than random green seedlings.


ACER056 - Acer platanoides SENSATION® 'Ulmers Sensation' - about 20% slower than 'Drummondii', hence more manageable in small spaces and gardens. Leaves broadly margined yellow quickly becoming cream-edged, chimera at 30-50% surface, much as 'Drummondii' but reverting less and having a brighter aspect.


ACER058 - Acer HIGHLAND PARK® 'Hipzam' (A. grandidentatum x A. saccharum) - 35 ft. tall x 25 ft. wide, strongly and neatly pyramidal. Leaves dark blackish-green, thicker, more durable, orange to red shades in fall. Lu: valued as both an ornamental and a syrup production, it's sap up to 30% than typical, random seedlings. This tree is thus a true ornamental-edible. Tolerant of dry and urban pollution conditions. Ch: USDA 4. Or, in: Lake County Nursery.

ACER059 - Acer grandidentatum 'Manzano' - 20-30 ft. tall, more arborescent than some wild populations. subglobose-spreading to loosely and low pyramidal. It
has been recommended as an under-wire street tree due to it's low mature height compared to other maples. Leaves often in rich red to yellow and orange shades in fall. Or: derived from the Manzano Mountain population of New Mexico. Ch: USDA 4. Web: http://www.thetreefarm.com/maple-bigtooth-manzano, accessed 1.15.2017

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

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


ACER063 - Acer palmatum BUTTERSCOTCH™ 'JWW8' - leaves mostly 5-lobed, strongly dentate in some lobes, bright pink at first, up to six week, 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


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 Klhem as 2nd generation selection. Web: http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5029&type=WOODY&page_type=plantdetails&plant_name=Acer%20griseum%20x%20nikoense%20Bronze%20Tablet%3Csup%3ETM%3C/sup%3E, 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 in fall, 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 of five trees evaluated over 16 years, intro. 2011.


Acer palmatum 'Blackbeard's Gold' - leaves with bright golden-yellow fall color, reliably so.

Acer palmatum 'Cupid' - 6-8 ft. in 15 years, bark coral-colored, a dwarf sport from a broom, denser, smaller than most coral barks. web: http://www.mrmaple.com, accessed 12.29/2017

Acer palmatum 'Gold Digger' - bark, twigs light yellow becoming more orange on tips, leaves peach orange become gold with red to coral margins, later more green, fall color yellow becoming "bold red". Or, web: http://www.mrmaple.com, accessed 12.29/2017, their own introduction

Acer palmatum 'Green Tea' - 10-12 ft. (10 years), new growth red, becoming a green tea sort of color, later peachy-green, maturing to olive green with pink to red tips, fall shades orange to red. Or: Talon Buchholz, chance seedling of 'Amber Ghost'. web: http://www.mrmaple.com, accessed 12.29/2017

Acer palmatum (Dissectum Group) 'Liberty Bell' - typical Dissectum habit and left incisions, new leaves orange over chartreuse, maturing to bright green, fall color very showy in a mix of red to yellow. Or: found in Philadelphia, PA, USA. web: http://www.mrmaple.com, accessed 12.29/2017
Acer palmatum (Dissectum Group) 'Monticello Gardens' - 3-4 ft. tall x 4-5 ft. wide, habit more cascading than many in the Group, leaves red in spring and summer, holding color long, fall color brighter red than summer. web: http://www.mrmaple.com, accessed 12.29/2017, their own introduction found by an unnamed friend and customer.

Acer palmatum RADIANT™ - leaves smaller in size, heavily mottled white (up to 80%), new tips a bright magenta to corol pink, maturing to medium green mottled white to cream. web: http://www.mrmaple.com, accessed 12.29/2017

Acer palmatum 'Schmidts Woods' - leaves strap-leaf type, bright red at first, aging to emerald green with red tints, gives a nice bicolor effect when in active growth, superior colors to 'Beni Otake' per Mr. Maple growers. web: http://www.mrmaple.com, accessed 12.29/2017


Acer palmatum 'Shine Bright' - 10-12 ft. (10 years), leaves chartreuse-green, new growth tinged orangish-red, some blushes appear in summer on mature foliage too, interesting shining colors throughout year, fall colors orange to red. web: http://www.mrmaple.com, accessed 12.29/2017

Acer palmatum 'Yeager Red' - 15 ft. tall x 12 ft. wide, compact, full from a witches broom. Leaves rich bright red, the bloom carrying a good color even though heavily shaded, propagating stock retaining this "superior red color in all kinds of conditions" (Iseli). Or: Mike Yeager as broom on 'Bloodgood'. So, in: http://www.iselinursery.com/downloads/, accessed 10.31.2017, new introduction.

Acer palmatum 'Yellow Bird' - leaves with numerous small, sharp, pin-like serrations, yellow to chartreuse in summer, maturing to dark green, fall colors yellow with reddish margins. web: http://www.mrmaple.com, accessed 12.29/2017

Acer pseudoplatanus 'Mercedez' - so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only, spelling apparently to avoid a trademark violation with the auto company


Acer saccharinum 'Bordeauz' - leaves dark red. so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only

Acer palmatum METAMORPHOSA 'Arjos1' - http://www.burncoose.co.uk/site/plants.cfm?pl_id=6384


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

AESC002 - Aesculus turbinatra 'Marble Chip' (Broken Arrow Nursery) - variegated

AESC003 - Aesculus hippocastanum 'Lunar Patches' (Variegated Foliage)

AESC004 - Aesculus glabra EARLY GLOW™ 'J.N. Select' - reliable, earlier bright red fall color, glossy dark green summer foliage, typical yellow flowers. Very limited fruit production.


AESC007 - Aesculus flava 'Burning Gold' - so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only


ALBI001 Albizia j. MERLOT MAJIK™ (Heritage Seedlings, new cultivar)

ALBI002 Albizia j. CHOCOLATE FOUNTAIN™ 'NCAJ1' (Dr. Tom Ranney, NC State University)

ALBI003 - Albizia julibrissin 'Ishii Weeping' ('Ishii Pendula' invalid post-1959 Latin name). The name was changed from 'Ishii Pendula' as it appeared in the US trade and published as such in Hatch's Cultivars of Woody Plants in 2008.

ALBI004 - Albizia julibrissin 'Clemensis' - more cold hardy, tolerant in Vienna, Austria where typical species dies, possibly to -20 C.. Or: Mr. Bruckmoser

ALBI005 - Albizia julibrissin 'Evys Purple' - leaves green becoming rich reddish-purple similar to 'Summer Chocolate' but perhaps slightly red in summer. Flowers rich glowing pink, close to magenta up and down the pistils, not pale pink to near white as in 'Summer Chocolate' which is only a rich pink in the upper 20-30% of the pistils.

AMEL001 - Amelanchier arborea PINK DAMSEL™ 'Tift County' - 16 ft. tall x 20 ft. wide, grown as single or multi-trunk, flower buds pink opening to near white, leaves light to medium green, "finer textured" than typical of species, red to orange fall colors. Or: Tift Country, Georgia US where is handles very hot conditions.

AMEL002 - Amelanchier canadensis OCTOBER FLAME® - 6 ft. tall x 3 ft. wide, columnar to narrowly ovoid, vigorous, flowers white, numerous, fall color a rich blend of medium, dark, and light red tones, very showy. Or: Edward Losely, Perry, Ohio. In: https://www.pepinieres-minier.fr/produit/amelanchier-canadensis-october-flame-r, accessed 12/27/2017

ARBU001- Arbutus 'MBAV13' - variegated sport of 'Marina'


ARON003 - Aronia melanocarpa LOW SCAPE™ HEDGER 'UCONNAM166' - 3-5 ft. tall x wide, compact, erect to columnar, lower maintenance than 'Viking', leaves dark green, becoming yellow, orange, and red in fall. Or: Dr. Mark Brand, University of Connecticut. In: www.springmeadownursery.com, accessed 2.28.2016
Aucuba - our standard for 173 existing cultivars in Hatch's Cultivars of Woody Plants. Please visit www.cultivar.org for subscription information.

**AUCU001 - Aucuba japonica 'Subaru' (Hawksridge Farms)**

AUCU002 – Aucuba japonica ‘Overlook’ – leaves larger, very glossy, margined cream. Cistus.com, accessed 4.22.2015, their own selection as sport near Overlook, Oregon

AUCU003 – Aucuba japonica ‘Merced’- 4 ft. tall x 3 ft. wide. Leaves mostly gold, slight green speckling. Cistus.com, accessed 4.22.2015, their own selection


AUCU005 – Aucuba japonica ‘Clear Picture’ – 4 ft. tall x 3 ft. wide, dense, subglobose to erect. Leaves centrally marked gold to 80-95% surface, margins dark green with some gold specking. Cistus.com, accessed 4.22.2015.


AUCU007 - Aucuba japonica var. borealis 'Bored Female' - 4 ft. tall x wide. Leaves very glossy, blackish-green. USDA 6b-7, more hardy as the variety. Female clone. Plantdelights.com, accessed 4.22.2015, their own selection

AUCU008 - Aucuba japonica 'Golden Girl' - 1m tall x wide, very compact, shorter internodes. leaves heavily mottled and spotted yellow, chimera 25-60% surface, variable, some young plants in spring afre said to be mostly gold, 80-90% surface, still very sharf in the blade, apex very long acute to acuminate. Fruit red, a female clone. Peter Moore cross of 'Nana Rotundifolia' x 'Crotonifolia' in 1993, offered exclusively in the UK by New Place Nurseries, npnurseries.co.uk, Bredbypetermoore.co.uk, accessed 5.29.2015

AUCU009 - Aucuba japonica 'Petite Jade' - click link for USDA/USNA introduction PDF, offered by Monrovia.com

AUCU010 - Aucuba japonica 'Ova Easy' - 6 ft. tall. Leaves all gold, 4-6 in. long, "spring green and velveteen gold when exposed to more light". Or, in: www.cistus.com, Spring 2016 online catalog, accessed 3.29.2016, sport of 'Overlook' in all gold.


BACC001 - Baccharis halimifolia 'Baccador' (Minier Nurseries) - a unique gold-leaved clone

BERB001 - Berberis thunbergii SUNJOY® TANGELO 'O'byrne' - 36-48 in. tall, upright, "outwardly arching and mounding" (patent app), vigorous, freely branching. Leaves reddish-orange, thinly margined or ringed pale yellow to chartreuse, overall appearing a "zingy orange" from a distance in the landscape, yet stronger than other variegated cultivars. Rust resistant. Or, Pat: US# 26546 on March 29, 2016 to Ernest O'Bryne, Eugene, Oregon, USA as 'Aurea' x 'Rose Glow' in 2003.
BERB002 - Berberis thunbergii 'Lutin Rouge' (Plantarium.nl)


BERB004 - Berberis thunbergii SUNJOY® MINI SAFFRON 'Kasia' - 1.5-2.0 ft. tall x 2-4 ft. wide, dwarf, dense, mounded, smaller than CITRON. Leaves bright yellow, new growth tinged orange, subscorch resistant, fall color adds orange to red shades. US patent #24817. Springmeadownursery.com, accessed 4.30.2015

BERB005 - Berberis TINY N' SPINY® 'Bokratin' - 40cm tall, low, compact, evergreen, designed as tough, weed-covering, woody ground cover Leaves bright green, slightly tinged bronze in new growth, generally green all year. Flowers light yellow. Rust resistant.


BERB006 - Berberis thunbergii LAMBRUSCO™ 'BailElla' - 2-3 ft. tall x 3-5 ft. wide, compact, spreading-mounded, dense. Leaves light red becoming dark burgundy tones.


BERB007 - Berberis thunbergii MOSCATO™ 'BailAnna' - 2-3 ft. tall x 3-5 ft. wide, compact, spreading-mounded, dense. Leaves bright green, thin peach orange margin, mostly medium green by summer


BERB009 - Berberis 'Thunderbolt' - 2.0-2.5m tall x wide. Leaves very dark purplish-burgundy, hold color into summer, over evergreen in mild climates. Or: INRA


BERB011 - Berberis triacanthophora 'Cally Rose' - 1.8m tall, evergreen. Flower numerous pink outside in custers, inner petals cream. Leaves rich green, narrow.


BERB014 - Berberis thunbergii LAVA NUGGET™ 'SMBTM' - 3 ft. tall x wide, compact, leaves large (not small as dwarf clones), orangish-red in new tips, aging to dark burgundy in a uniform shade over the entire blade. Rust resistant. Web: http://www.monrovia.com/our-2018-new-plants-collection/, accessed 12.27.2017

BERB015 - Berberis thunbergii SUNJOY TODO™ 'NCBX1' - 1.5-2.0 ft. tall x wide, compact, dense, seedless (high sterility genetics), leaves glossy, rich dark purplish-red, tips more red, bears orange fruit but sees are hollow and not viable. Or: Dr. Tom Ranney, NC State University, as hybrid. In: http://springmeadownursery.com/plants_details.php?id=3610

Berberis thunbergii SUNJOY MINI MAROON™ 'NCTB1' - http://springmeadownursery.com/plants_details.php?id=03600


BETU001 - Betula albosinensis BLASON (Minier Nurseries) - a curious orangish-red bark over most of the trunk, frosted too.
BETU002 - Betula costata CINNAMON CURLS™ (North Dakota State University). Li: http://hortsci.ashspublications.org/content/51/7/950.full, paid content

BETU003 - Betula utilis 'Jim Russell' (Arboretum Wespelaar, their own selection)

BETU004 - Betula PARKLAND PILLAR™ ‘Jefpark’ - 40 ft tall x 6-7 ft. wide, vigorous, columnar, more narrow, erect, and dense than DAKOTA PINNACLE®. Leaves dark green, fall color not notably showy. Found at Parkland Nursery, Alberta, introduced by Jeffries Nurseries c. 2014.


BETU006 - Betula x plettkei 'Golden Treasure' - 2-4 ft. tall x wide, much as species, dwarf, yellow bright yellow becoming greenish-yellow, designed to be a "lollipop" patio tree. Bark silvery-white when grafted on standard of Himalyan birch. Useful as bright, dwarf shrub or patio container. Or: Michal Andrusiv, Czech Republic. In: www.springmeadownursery.com, accessed 2.28.2016

BETU007 - Betula pendula MAGIC® GLOBE - 4-5 ft. tall x 3-4 ft. wide, dwarf, distinctly globose, compact, typically grafted on a standard of Himalyan birch, giving the trunk are pale, whitish to silvery look.. Or: Kolster.Web: http://plantsnouveau.com/plant/betula-magical-globe/, accessed 10.7.2016

BETU008 - Betula pendula 'Spider Alley' - branches somewhat twisted, curled, not pendulous but generally horizontal to irregular, overall a lightly contorted but not extremely twisted clone, quite a moderate and elegant plant, different, interesting, but not a freak. Leaves light green, yellow in fall, much as species. Pat: EURO PBR 21231 to Boomkwekerij John de Lepper on May 5, 2014.


BETU009 - Betula pendula FASTIGIATA JOES® 'Jolep 1' - fastigiate to narrowly columnar, showy white bark after 4-5 years. Ns: while the Latin word "fastigiata" is Latin and banned in cultivar names, there are no prohibitions in Latin for trademarked names. Therefore this half Latin name is in good standing. In, ph: http://www.frankpmatthews.com/catalogue/betula/12285, accessed 10.15.2016. Pat: Euro PBR 20141206

BETU010 - Betula pendula 'Bøghs' - 12-16m tall x 4-6 ft. wide, habit neat, regular (clonal), branch angle about 30 degrees, moderately pendulous, narrower than some forms but not columnar, described as "slim" so it fits spaces the wider seedlings might not be suited for, neat over time, bark reliably white, later more greyish, showy. Leaves medium green, yellow to tan in fall. Lu: this is a proven "species replacement" or reliable clone for the European market much as HERITAGE is a chosen Betula nigra. Or: Bøghs Nursery, 1880 by one report, not known in North American to my knowledge (2017).

BETU011 - Betula pendula 'Arvi' or possibly an interspecific - 20-25m tall, broadly pyramidal, erect, not pendulous as seedlings or 'Boghs', bark white, showy, good horizontal lenticels. Leaves 6-7cm long x 3-5cm wide., yellow in fall. Or: Hjoejbjer v. Arhus.


BETU012 - Betula pendula 'Zold Skazall' - dwarf and weeping, densely branched, suitable for smaller gardens while full-sized clones might be too large. Or: Hungary.

Betula 'Princesse Sturdza' - so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only

Betula pubescens 'Rode Herfstkleur' - so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only

Betula utilis subsp. albosinensis 'Cobhay Gansu Red' - bark with distinct red tints, showy. So, or, in: http://www.junker.co.uk, accessed 12.30.2017, their own selection from seed collected in Gansu, China

Betula utilis subsp. utilis 'Cobhay Amber' - vigorous, new bark in amber tones, later more white, leaves a better yellow than all clones in the Junker collection. Or, so: http://www.junker.co.uk, accessed 12.30.2017, their own selection from seed
Betulia utilis subsp. utilis 'Cobhay Sentinel' - vigorous, more upright, narrow. Or, so: [http://www.junker.co.uk](http://www.junker.co.uk), accessed 12.30.2017, their own selection from seed

Broussonetia papyrifera 'Jungeng' - leaves golden-yellow at first, later yellowish-green, bright gold again in fall. USPP applied for October 26, 2017, described as unique. It seems obvious that the patent examiners have no clue than 'Golden Shadow' sounds identical and is established in the trade.

Broussonetia papyrifera 'JInhudie' - leaves irregularly centered greenish-yellow like a small tree shape, very wide margins of orangish-gold, covering up to 85% of the blade. USPP applied for October 26, 2017 by Huaming, Wang, Suipring, China

**BUDD001 - INSPIRED™ WHITE**

**BUDD002 - Buddleia 'Painted Lady'

**BUDD003 - Buddleia 'Asian Moon' (Monrovia)**

**BUDD004 - Buddleia davidii GROOVY GRAPE (Bailey Nurseries)**

**REGISTRATION PENDING - Buddleia 'Crown Jewels', 'Glass Slippers', 'Dark Dynasty', 'Jousting Jester', etc. (Walters Gardens)**

**BUDD005 - Buddleia 'Pink Micro Chip' (Proven Winners, Dr. Dennis Werner, North Carolina State University)**

**BUDD006 - Buddleia 'Pink Pagoda' - habit upright-spreading to mounded. Flowers pink, in narrowly conical panicles, "continuously flowering". Seedless. US Patent #23214 to Peter Moore, England as cross of B. weyeriana 'Sungold' x B. davidii 'Pink Delight'.

**BUDD007 - Buddleia 'Miss Violet' - 4-5 ft. tall x wide, compact. Flowers dark purplish-violet. Bred by Dr. Dennis Werner, North Carolina State University. Springmeadownursery.com, accessed 4.30.2015.

**BUDD008 - Buddleia davidii MERRY MAGIC® ORCHID 'SMBDPB' - 4-5 ft. tall x wide, more compact. Flower panicles very narrow but densely flowered, rich purple to violet, highly floriferous. Springmeadownursery.com, accessed 4.30.2015.

**BUDD009 - Buddleia davidii GULLIVER - 1.75m tall. Flower spikes to 30cm long, wide, thick, fully flowered, corolla lilac with small orange eye. Cold hardy to -18 deg. C. Eur. PBR to East Malling Research, UK.

**BUDD010 - Buddleia HUMDINGER™ 'Magenta Munchkin' - 28-36 in. tall, dwarf, compact, neat. Flower panicles 7-8 in. long, "fuchsia-red" (photos appear deep violet-fuchsia to violet-lavender), small orange eye, blooms before acfew weeks before MONARCH Series cultivars. Walters Gardens, intro. 2015.


**BUDD013 - Buddleia HUMDINGER™ 'Little Nugget' - 2.5-3.0 ft. tall x 3.5-4.0 ft. wide. Flower corolla dark bluish-purple to violet-purple, panicle 5-6 in. long, very early in season compared to other clones, up to 4 weeks before others of this color. Leaves bright yellow, becoming more lime to chartreuse.

**BUDD014 - Buddleia HUMDINGER™ 'Lavender Cupcake' - 3.5-4.0 ft. tall x 4.0-4.5 ft wide, compact. Flowers light-medium lavender to light purple, very long 12 in. panicles. Leaves grayish-green. Or: Walters Gardens, intro. 2015

**BUDD015 - Buddleia HUMDINGER™ 'Little Angel'

**BUDD016 - Buddleia 'Dreaming Lavender' - 8-20 in. tall x wider, low, dwarf, spreading to semi-pendulous. Flowers pale silvery-lavender to medium lavender. Sold under the BLOOMTASTIC® trademark but since that spans more than one genus (Buddleia, Agapanthus, Skimmia), it is considered a marketing entity and not a taxonomic name, hence not registered here.
BUDD017 - Buddleia 'Purple Splendor' - 8-20 in. tall x wider, low, dwarf, spreading to semi-pendulous. Flowers violet-purple to magenta-purple, eyezone white with gold ring. Leaves very silvery when new. Sold under the BLOOMTASTIC® trademark but since that spans more than one genus, it is considered a marketing and not a taxonomic name, hence not registered here.

BUDD018 - Buddleia BLAZE PINK™'Bosblink' - 1.5-1.9m tall x 1.3-1.6m wide, flowers "first really hot pink Buddleia", medium pink but photos at Ball Ornamentals are clearly toned violet-pink, more magenta-rose to me, foliage silvery, very long bloom period. US Patent #25731

BUDD019 - Buddleia TRU-BLUE™ 'Bostulu' - 1.6-1.9m tall x 1.2-1.6m wide, plants erect, strong stems, flower color true blue slightly lavender-blue, reblooms well in summer, very low seedset, foliage very silvery-gray. US Patent #25708


BUDD021 - Buddleia 'Miss Pearl' - 4-5 ft. tall x wide, dense, compact flowers in dense panicles, floriferous, corolla pure white, slightly undulate. Seedless and thus not invasive from seed. Or: Dr. Dennis Werner, North Carolina State University as 2009 cross of 'Ice Chip' and 'Miss Molly'. In: www.springmeadownursery.com, accessed 12.23.2015. The entire cultivar release notes page from Werner and NCSU is found here: https://cals.ncsu.edu/hort_sci/research/expertise-pages/PlantBreedingBuddleja.php

BUDD022 - Buddleia 'Glass Slippers' - 3 ft. tall x 5 ft. wide, stems silvery-tinged, lower and more spreadant than some clones, flower heads compact, numerous, corolla periwinkle blue, secondary bloom until fall is common. Or, in: Walters Gardens, intro. 2014. This same firm also offers new introductions:


BUDD028 - Buddleia PUGSTER™ WHITE

BUDD029 - Buddleia PUGSTER™ PINK

BUDD030 - Buddleia PUGSTER™ PERIWINKLE

BUDD032 - Buddleia SODA POP LAVENDER 'UCONNBD599'

BUDD033 - Buddleia SODA POP BLUE 'UCONNBD604'


Buddleia davidii REVE DE PAPILLION® RED 'Bozcranz' - 2m tall x wide, flower corolla a rich violet-red, said to be bred from 'Miss Ruby' and of similar colors, reblooming in summer. Or: Scott Trees, USA. In: https://www.pepinieres-minier.fr/produit/buddleja-davidii-reve-de-papillon-r-red-boscranz-cov, accessed 12.27.2017.


BUXU001 - Buxus microphylla var. japonica SPRINTER™

BUXU002 - Buxus microphylla 'Eseles' (image, Government of Canada, PBR)

BUXU003 - Buxus sempervirens 'Skywalker' (Concept Plants) - US# 22977 From Mark Ellerbrook of Beaverton, Oregon, is the vigorous clone (growth up to 30 in. a year for up to 6 seasons) that is "very columnar...with a low amount of lateral branching", keeping green color much of the year, and resistant to common boxwood root diseases. Dimensions at six years are 1.8 meters x 30-38 cm.

BUXU004 – Buxus sempervirens ‘Jack Rudolph’ – 6 ft. X 4 ft. wide In many years, arborescent, conical, slightly cascading branches. Ritas Rare Plants, Tennessee from her father’s boxwood breeding program of 1940’s-1050’s. Camforest.com, accessed 4.23.2015

BUXU005 – Buxus sempervirens ‘Ruth Rudolph’ – 5 ft. tall x wide in many years, weeping. Rita’s Rare Plants, Tennessee, from her father’s boxwood breeding program. Camforest.com, accessed 4.23.2015


BUXU007 - Buxus microphylla var., koreana EMERALD KNOLL® 'RLH-B1' - 1.5-2.0 ft. tall x 3-4 ft. wide, low, mounding-spreading, patent says "outwardly spreading to decumbent, billowy and mounding", vigorous, freely branching, flexible lateral limbs resist cracking and splits, very fine-textured, compact, far less tufted and congested compared to 'Morris Dwarf' and less rigid than it. Leaves rich emerald green all year, not bronzing in winter or cold weather. US Patent #24443 on May 13, 2014 to Robert and Lisa Head, Seneca, South Carolina USA as sport of 'Kingsville' in 1991.

BUXU008 - Buxus microphylla 'Little Missy' - 16 in. tall x 30-40 in. wide, densely mounded to flat-subglobose, 2-3 in. growth a year. Leaves dark green, glossy, all year, not bronzing, blade smaller than species typical clones (1.6cm long x 1.0cm wide).. USDA 5 hardiness. US Plant Patent #24703 on July 29, 2014 to Norman H. Cole III as chance seedling, assigned to Cp Delaware Inc.

BUX009 - Buxus sempervirens 'Thomas Jefferson' - 5 ft. tall x 2 ft. wide, or 6 ft. tall x 3 ft. wide (12 years), 12 ft. tall x 6 ft. wide (30 years), narrowly upright-ovoid to ellipsoidal to narrowly pyramidal, not always columnar, 45 deg. branch angle (wider than 'Dee Runk'), 3-6 in. growth a year, resistant, strong limbs resist snow and ice damage. Leaves glossy, dark green all year, not bronzing. US Plant Patent #23869 on Sept. 3, 2013 to Thomas M. Patrick, Jr., chance seedling 1964, assigned to Saunders Bros. Inc., named for the US President as it was discovered in Charlottesville, Virginia, his home. An attempt to trademark this name or 'Mr. Jefferson' failed and is now marked as "CANCELLED - SECTION 8", which generally implies the name was not is use after 6 years or verified to be so.


BUXU011 - Buxus microphylla var. japonica BABY JADE™ 'Grejade' - 3 ft. tall x wide, subglobose to mounded, dense with maturity, shorter internodes than variety typical, averaging just 6mm, moderate growth rate.. Leaves small, 1.8cm long x 0.8 wide, elliptic, base cuneate, apex obtuse, dark green all year, not
bronzing. USDA 5. Or, pat: US #26656 on April 26, 2016 to Jane Marie Kubala, El Campo, Texas, USA and Bill Bar, Rosenberg, Texas, USA as sport of 'Gregem' in 2010. Web: http://www.gardendebut.com/plantName/Baby-Jade-Boxwood

BUXU012 - Buxus microphylla PETITE PILLAR™ 'MonAlex' - 2-3 ft. tall x 2 ft. wide, dwarf to semi-dwarf, columnar, very dense, requiring little or no shearing as hedge or narrow column. Leaves glossy, medium green. USDA 5. Web: http://www.monrovia.com/plant-catalog/plants/5162/petite-pillar-dwarf-boxwood , accessed 4.6.2016

BUXU013 - Buxus sempervirens JADE PILLAR™ 'Furore' - 4-5 ft. tall x 2-3 ft. wide, columnar, useful for hedge purposes. Leaves dark green. US# 21319

BUXU014 - Buxus SHADOW SENTRY™ 'DSNJH 1216' - 8 ft. tall x 3 ft. wide, narrowly pyramidal, erect. Leaves medium green, holding color in winter. Ch: to -20 deg. F.  


BUXU016- Buxus GORDO™ 'Conrowe' - 4 ft. tall x wide, compact, globose, requires minimal pruning, leaves large for a dwarf clone, glossy green, "scalloped", cold hardy to -10 to -20 deg. F.Pat: US#19924


CALL001 - Callicarpa japonica WHITE SPRITZER™ is one of the best variegated clones in the genus and the violet-pink new tips make it quite the glorious, tricolored creation. It has great vigor unlike a speckled sport of this same species I found in the 80's which never proved market worthy. This is truly one of the finest variegated, deciduous shrubs of any genus and makes a nicely fine-textured, compact pyramidal piece; never wild nor too crazy if given enough light. Click image to enlarge.

CALL002 - Callicarpa kochiana 'Yamaguchi Variegated' - leaves large, 4-8 inches long, 1.5-2.0 inches wide, elliptic, boldly sectoredly and marked in clean white to cream, 25-45% surface in strong plants, other sectors, spots, and markings in lime or a paler green than the dark green base color, margins very fine serrulate with 20-32 teeth per side. Known to us from a specimen at the JC Raulston Arboretum, also offered by nurcar.com, accessed April 2013.

CALL003- Callicarpa PEARL GLAM™ 'NCCX2' (C. dichotoma x C. kwangtungensis) - habit erect, neat (from second parent), leaves richly tinged purple (also from C.k.), fruit rich violet-pink, abundant, early (mostly from first parent). Or: Dr. Tom Ranney, NC State University in cooperation with Spring Meadow Nursery. In: www.springmeadownursery.com


CALL007 - Callicarpa bodinieri IMPERIAL PEARL® 'Minpro2' - 1.5-2.5m tall x 1-2m wide. Fruit abundant, mauve-violet, very showy. Or: Minier Nurseries, France, intro. 2014

CALL008 - Callicarpa 'Cardinal' - 1.5m tall (10 years), fruit small, purple, abundant, fall leaf color in bright red to purple shades. So: http://www.junker.co.uk, accessed 12.30.2017

Callicarpa bodinieri MAGICAL AMETHEA 'Kolmagicame' - https://www.kolster.nl/brochure/54/index.html

Callicarpa bodinieri MAGICAL PURPLE GIANT 'Kolmapurgi' - https://www.kolster.nl/brochure/54/index.html
Callicarpa bodinieri MAGICAL SNOWSTAR ‘Kolmsnostar’ - https://www.kolster.nl/brochure/54/index.html


CALY002 - Calycanthus floridus 'Coker Cottage' - plants 10 ft. tall x wide, vigorous, strong, durable in USDA 7b (Chapel Hill, North Carolina). Flowers red, small but very numerous. Leaves a good yellow in fall. Originated from a notable tree at the Coker Arboretum, University of North Carolina, Chapel Hill, North Carolina. That same old arboretum on campus also holds the original tree of Liquidambar styraciflua 'Rotundiloba', a popular and unique tree that is fruitless with curiously rounded lobes, prized over the world.


CALY005 - Calycanthus x raustonii 'Solar Flare' - 6-9 ft. tall x wide, flowers tepals rich maroon red, favoring C. floridus, inner tepals bright golden, marked and suffused maroon red in their low two-thirds, rich fruity scent, leaves showy yellow in fall. Or: Dennis Ludvina. Web: http://www.songsparrow.com/catalog/plantdetails.cfm?ID=5043&type=WOODY, &pagetype=plantdetails, accessed 5.9.2017

CALY006 - Calycanthus floridus 'Big George' - habit dense, subglobose, leaves dark green, reliably yellow in fall, flowers reddish-brown, good fruity scent. Or: Transplant Nursery, Georgia, USA, named for it's founder George Beasley.


CAMPS001 - Campsis grandiflora 'Morning Calm' - Dr. JC Raulston's amazing selection that remains superior to most C. radicans and hybrid selections for corolla coloration, vigor, and a huge 1.5 to 2.0 inch wide trumpet face. If this looks like an impossible tropical flowering vine - it should not - for it does well in USDA 6-10. The huge trumpet is melon at times, in other portions of the day a richer orange, orange juice to Nasturtium, other times a somber, dark vermilion-orange, a delicately veined throat of gold and darker shades, and very often a blend of all these curious, prismatic pigmentations; showing reflective crystals in the tissue and odd tones from the very opening of each flower. Images above and below not part of OROC Data Sharing.

CAMPS002 - Campsis x tagliabuana ORANGEADE® 'Tracamp' - from Sapho.fr has the first boldly bicolored, chimera-style flowers in this genus, contrasting rosy-gold with rich magenta pink at every toss of a shadow and sunbeam. Frankly, I thought we'd see gold veined red flowers or red-veined gold flowers before a chimera bicolour beauty like this one. Click image to enlarge.

CAMPS003 - Campsis radicans ATOMIC RED™

CAMPS004 - Campsis 'Chastity' (Dr. Tom Ranney, North Carolina State University, triploid)

CAMPS005 - Campsis radicans 'PRN Redbird' (Pleasant Run Nursery, their own selection)

CAMPS006 - Campsis SUMMER JAZZ FIRE (Plantarium.nl)

CAMPS007 - Campsis x tagliabuana GRENADINE® 'Rutcam' - flowers to 8cm wide, rich red to orangish-red corolla, tube on exterior more orange, effectively a true red from a distance, very floriferous until fall.

CAMPS008 - Campsis x tagliabuana BURGUNDY SPICE® 'Tracamp' - flowers to 8cm wide, rich red to orangish-red corolla, tube on exterior more orange, effectively a true red from a distance, very floriferous until fall.


CARP003 - Carpinus japonica 'Silver Lace' is a stunning entity among all cut-leaved trees, a fine recent introduction, quite a feathery to almost pin-like or ciliate sort of margin, bearing a pale silvery-green hue in the sun. The spiky, narrow blades carry a special, odd rugosity, the sort normally found only in herbaceous plants, where the long, convex bubble between the secondary veins turns into the thin, sharp tooth, making the lateral veins sunken, reflecting yet more white or pale green light. Anyone who knows, collects, and studies our laciniate trees and shrubs will know this is a very unique, useful release, cuter than cute, and prettier than your best girl in silver lace. Buchholz Nursery has it for one.

CARP004 - Carpinus caroliniana 'Stowe Cascade', a semi-weeping, elegantly drooping at least variant on that other species that rarely gets selected for cultivars. This beauty is shown at the JC Raulston Arboretum and originated about 4 hours to the southwest at the Daniel Stowe Botanic Garden in Charlotte, NC. Image copyright owned by and courtesy of Laurence Hatch.

CARP005 - Carpinus caroliniana BALL O’FIRE™ 'J.N. Globe' - 15-20 ft. tall x wide, compact, globose. Leaves reliably showy, orange to red in fall, some yellow for contrast Selected from superior tree in wild, Waukesha, Wisconsin, USA by johnsonnursery.com.


CARP007 - Carpinus caroliniana NATIVE FLAME® 'JFS-KW6' - 30 ft. tall x 20 ft. wide, upright, ovoid. Leaves dark green in summer, high quality texture, reliably orange to red shades, very showy in fall. jfschmidt.com, accessed 5.2.2015

CARP008 - Carpinus betulus ORANGE RETZ® - leaves very bright orange in fall. Eur CPVO to Jean Blondeau 2014.

CARP009 - Carpinus caroliniana RISING FIRE™ 'Uxbridge' - 30 ft. tall x 15 ft. wide, more narrow and upright than species typical, columnar to narrowly ovoid, vigorous, uniform. Leaves reliably bright red to orange shades with some yellow in fall. Hardy in Ontario, Canada where it originated. So: www.jfschmidt.com, accessed 6.15.2016

CATA001 - Catalpa speciosa HEARTLAND® 'Hiawatha 2' (J.F. Schmidt) - 50 ft. tall x 25 ft. wide, "upright narrow oval", more narrow and more uniformly branched than species typical. Leave darker green than species typical. jfschmidt.com, introduced 2015, accessed 5.31.2015.

CATA002 - Catalpa bungei 'Menghuan' ("Colorful Manchurian Catalpa") - leaves margined rose-red at first, later becoming edged yellow and finely white in irregular width, margins "very wavy", adding to the interest, the chimera appearing to be from 15-55% of the leaf surface according to the US Patent application drawings, one of which is shown above. Or: mutation found on May 5, 2011 on road side in Long'an District, Anyang City, Henan Province, China. It was grafted on May 10, 2011 onto species stock. US Patent applied for on March 16, 2016 by Huaming Wang, Suiping, China. It is the opinion of our attorney and many others that US Patent application data is entirely in the public domain unless the applicant makes an order to copyright the known drawings, symbols, or images. Lacking such evidence to the contrary, we freely publish this image here, however asking it be attributed to the originator in a proper scientific manner.

CEDU001 - Cedrus atlantica 'Blue Fountain' - originators place the species C. atlantica under C. libani.

CEDU002 - Cedrus deodara FEELIN’ SUNNY® 'MonKinn' - 5-12 ft. tall x 6-8 ft. wide (10 years) per Monrovia website, US Patent app states "plant height 62cm...diameter about 65cm...compact and low spreading...slow-growing, freely branched, dense and bushy...slower growing and more compact than than plants of 'Golden Horizon'...not as mounding as trees of 'Golden Horizon'”, Monrovia’s images, accessed 8.6.2016, show cascading plants and one grafted high on a standard so it remains unclear if it will be marketed as a classic pyramidal conifer or in other forms. Leaves bright yellow most of the year including winter ("greyed yellow...becoming golden yellow" per US Patent app), sunburn resistant, internal or shaded foliage becoming lime and perhaps close to typical green.


CEDU004 - Cedrus deodara 'Mt Buffalo' - habit miniature, very dwarf, thick branches and stems almost looking like small trunks, very low to prostrate. Leaves bluish-green.


CEPH001 - Cephalotaxus harringtonia 'Gold Dragon' (Hawksridge Farms) - 2-3 ft. tall x 4-5 ft. wide. Leaves golden-yellow in new growth.


CERCID001 - Cercidiphyllum japonicum CLAIM JUMPER™ (Broken Arrow Nursery) - new leaves rose pink, becoming yellow


CERCID004 - Cercidiphyllum japonicum 'Compact Globe' - 15-20 ft. tall x wide, subglobose, smaller tree than species typical seedlings. So: www.forestfarm.com, accessed 3.10.2017

CERCID005 - Cercidiphyllum japonica RA 'JWW3' - http://www.newplants.nl/planten/c/cercidiphyllum-japonicum-jww3-pbr-rar/

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CULTIVARS OF WOODY PLANTS (CWP) is your guide to 96 different Cercis cultivars. Your purchase of CWP, a massive, detailed, 4000-page PDF encyclopedia of trees was written over 38 years. It goes anyone you do on your phone, tablet, laptop, etc. Please visit [www.cultivar.org](http://www.cultivar.org) for subscription information.

CERC001 - Cercis canadensis 'Pink Pom Poms' (Dr. Dennis Werner, North Carolina State University, new cultivar, double flowers)

CERC002 - Cercis canadensis 'Vanilla Twist'- weeping with white flowers, a new combination.

CERC003 - Cercis canadensis RED FORCE® 'Minrouge3' (Minier) - leaves bright purplish-red, not purple as 'Forest Pansy'

CERC004 - Cercis canadensis CAROLINA SWEETHEART™ 'NCCC1'. This outstanding cross of purple and variegated leaf genetics in redbud by Dr. Tom Ranney produced spectacular glowing pink hearts of new foliage. It is amongst the most colorful and pretty variegated trees on the planet, rivaling Japanese maples and sycamore-maple cultivars for flash and a designer aura of new tips. Image courtesy of and copyright owned by Tom Ranney.

CERC005 - Cercis canadensis LUCIOUS LAVENDER™

CERC006 - Cercis canadensis RADIANT LIPSTICK™

CERC007 - Cercis canadensis 'Alley Cat' - leaves heavily white-streaked and white-spotted, chimera about 35-50% blade surface, new growth slightly tinged copper to pink, more sun scorach resistant in warm climates, variegation very stable. Or: Allen Bush, Louisville, Kentucky, USA as chance seedling he discovered in an alley near his home. In: Harold Neubauer, Hidden Hollow Nursery, hiddenhollownursery.com, accessed April 2014. Our previous Book I incorrectly attributed origination to Mr. Neubauer as he was the first to propagated it. We thank Dr. Dennis Werner, Cercis geneticist extraordinare and redbud scholar for this correction. It is considered as a superior clone to 'Floating Clouds' and 'Silver Cloud' for sun tolerance and refined summer coloration.

CERC008 - Cercis chinensis 'Spring Snow' - flower corolla white, numerous. Introduced by www.wairere.co.nz, accessed 4.25.2015


CERC010 - Cercis SUMMER'S TOWER™ 'JN7' - 20-25 ft. tall x 10-12 ft. wide, habit "tight, upright vase-shaped", vigorous. Flowers pinkish-lavender over entire limbs.


Cercis (presumed chinensis) 'Chongyang' - flowers blooming in both spring and fall, the later abundant very high and reliable. USPP applied for October 26, 2017.


Chaenomeles speciosa RED PREMIER™ 'Greredpre' - 3-4 ft. tall x 3 ft. wide, compact. Flowers very dark red., double but less so than DOUBLE TAKE Series, cupped, stamens gold and showy. Greenleaf nursery.com, accessed 5.4.2015.


Chaenomeles speciosa MANGO STORM 'Mincha01' - Thornless. flowers semi-double, 5-8 cm wide, coral-orange as in mango fruit, gold stamens still visible unlike some fuller doubles. Seedless. Ns: there is no connection we can find between this name and 'Pink Storm', 'Orange Storm', and 'Scarlet Storm' of Dr. Ranney as it appears to be a European production from Minier in 2015. Web: http://www.pepinieres-minier.fr/fichePlante.php?codePlante=12468&route=plantes-nouveautes-research, accessed 10.11.2016.


Chaenomeles 'Dart's Coverpower' - low spreading mound, a floriferous groundcover, flowers light orange, numerous. Or: Darthuizer Nursery.

Chamaecyparis obtusa 'Cooper's Gem' (RHS, Nomenclatural Standard, JSTOR).

Chamaecyparis obtusa 'Sunny Swirl' (Iseli Nursery).

Chamaecyparis obtusa NIGHT LIGHT™ (Star Roses) - I really had to get a grip when the patent application compared this globose, golden, plumose gem to "Grippsii" instead of the obvious 'Elmwood Gold', sport or seedling too of 'Crippsii'. I'm glad the US patent inspectors don't do road tests of cars because we'd be having a Lambo Aventador racing a Ford Fusion. They seem to have no clue what are legit comparisons (originators also spinning the match up to their end when the clone may or may not be unique at all) and miss the one, two, or three obvious benchmarks already in gardens and the trade too. The big Cripp's false-cypress is pretty and durable from USDA 5 to 8, handling Raleigh, NC with as much ease as Rochester NY. If this is half as good as the tales from the Cripps in gardens, it should be splendid indeed.

Chamaecyparis thyoides BLUE ROCK® 'Versent' is as good as the dwarf Chamies of the Squarrosa Group and probably more cold hardy and less browning with age. We will see but this baby looks like a winner and glows with such lovely sapphire tones. This image is not part of OROC Data Sharing.

Chamaecyparis obtusa 'Butter Ball' - habit dwarf, subglobose, fern-like in texture but more elegant than similar older clones. Leaves lemon-yellow, inner foliage lime to dark green, given some contrast. Iselinursery.com, accessed October 2013.


Chamaecyparis obtusa JADE WAVE™ 'MonYur' - 6-8 ft. tall x 3-4 ft. wide, compact, uniform, pyramidal, foliage units in waves, branches "gracefully curved...fern-like". As a long term student of the species (L. Hatch, Editor), this has a far more flat and plumose a spray than normal for this species, and I would imagine a seedling of 'Lycopodioides Aurea' crossed to the species might give a similar look, the branchlets very spread out and articulated into fine, ferny units. Tips don't curl down like many gold or near gold seedlings in this species.. Leaves bright to pale green, tips closer to lime, a sort of popular notion of a jade color,

CHAM008 - Chamaecyparis nootkatensis 'Boykos Glitter Falls' - pendulous much as 'Pendula', foliage mottled cream to about 35% surface. Or: Jim Boyko.

CHAM009 - Chamaecyparis obtusa 'Bridge' - 8 ft. tall x 6 ft. wide, dwarf, broadly upright, tight scaly leaves but many shoot flat and fasciated, some shoots with the cockcombs and others without, deep green overall. In: www.iselinursery.com, online catalog 2016-17, accessed 10.5.2016

CHAM010 - Chamaecyparis nootkatensis (Pendula Group) 'Golden Waterfall' - highly weeping as the Group, long drooping arm, foliage richly suffused golden-yellow to yellow, showing perhaps 20-35% green, depending on the amount of light given. Apperars to be more golden than previous clones of this category. In: http://www.hachmann.de, accessed 10.7.2016


CHAM012 - Chamaecyparis thyoides WOODY WORLD 'Spitsbergen' - https://www.kvbc.nl/chamaecyparis-thyoides-spitsbergen-woody-world/
CHAMAE001 - Chamaedaphne 'Dew Drop' (Rare Find Nursery) - 1.5 ft. tall x 3 ft. wide at first, potentially 2-3 ft. tall x wide, very dense.


CHIM002 - Chimonanthus praecox 'Sunburst' - flowers with strong, rich yellow, center with contrasting red, larger than species typical. Or, in: Junker Nurseries, UK, their own selection, the name suggested to them by Roy Lancaster

CHIM003 - Chimonanthus praecox 'Cobhay Golden Treasure' - habit more compact, erect than typical, flowers "pure butter yellow", earlier than some forms, leaves most lost by bloom time, fragrance very high. Or, so: http://www.junker.co.uk, accessed 12.30.2017, their own selection

The full taxonomist record from Cultivars of Woody Plants follows. Photographs are available in the original CWP ebooks.

CHIO002 - Chionanthus retusus 'Arnold's Pride' (11/5)
ht: 30 ft. tall x 30 ft. wide (original tree)
fq: very floriferous
fq: self-fertile
or: Arnold Arboretum from the famous, very notable example planted 1901, raised from seed
or: collected at Emperor's Imperial Bot. Gard.

CHIO011 - Chionanthus retusus 'Botanicas Beauty'
fq: much more floriferous than species typical, blooms covering the entire canopy, also known to bloom well as young plants.
ft: typical petals longer and wider than species typical., also slightly more curved and elegant

CHIO013 - Chionanthus retusus 'Daruma' - Isp: Dawes Arboretum 2013 in two accessions. This is not the Loropetalum clone of the same name.

CHIO003 - Chionanthus retusus 'China Snow' (11/5)
ht: 10-18 ft. tall and wide, 10 x 10 ft. as young trees
lc: glossy dark green
fq: floriferous
or: Don Shadow selected from notable tree in old Sanford Arboretum, Knoxville, TN USA.
or: Nurseries Caroliniana (online catalog, accessed 11.24.2012) says it is from an old tree
or: at the Arnold Arboretum.

CHIO004 - Chionanthus retusus 'Ivory Tower' (3/7)
ht: 15 ft. tall x 3 ft. wide
ha: strictly upright, columnar
II: 4.0 in.
lc: very glossy green
infl: 2-4 in. panceles
so: www.hawksridgefarms.com (online catalog 2007)
CHIO005 - Chionanthus retusus 'Yadkin Creeper' (11/8)
or: presumed to be www.yadkinvalleynursery.com, not listed on website on 11.9.2008
lsp: Raulston Arb #030704 rec. 4/18/2003, 47 " tall in 2005

CHIO006 - Chionanthus virginicus 'Emerald Knight' (5/4)
lc: darker green by one report
so: www.highlandcreeknursery.com (online catalog 2003)

CHIO001 - Chionanthus virginicus 'Black Stem' (Buchholz)

CHIO007 - Chionanthus virginicus 'Groenendaal' (12/6)
ns, id: a clone listed in Europe, a seedling from Groenendaal Arboretum


CHIO008 - Chionanthus virginicus 'Floyd'
ha: denser, more upright than species typical
ft: 99% or more male flowers only
frq: virtually no fruit set, only the occasional one has been observed on larger trees
or: Sonnemann Experimental Station Garden, Vandalia IL USA c. 1945 as chance seedling
in, ns: named and introduced by Dr. J.C. McDaniel in honor of Floyd Sonnemann 1970. US trade about 1972-3

CHIO009 - Chionanthus virginicus 'Pat's Variegated' (5/4)
lc: irregularly margined, mottled and sectored light yellow, some
lc: leaves all yellow or all green, very colorful to date
fq: seems to flower well for a variegate.
lsp: Juniper Level Botanic Garden, Raleigh, NC, first observed by me in May 2004.

CHIO012 - Chionanthus virginicus [pink flowered]
fc: light pink
or: Dirr in his 1998 Manual relates that "a lady approached me and
or: mentioned she knew of red- and pink-flowered forms. Needless
or: to relate, I had abnormal heart papillations. Arrangements were made
or: to propagate the forms...to this day I await the first scion."
or: Nicholson's Arnoldia article 50(4): 24-31 (1990) mentions a pink form found
or: in Virginia and perhaps other states.

CHIO010 - Chionanthus virginicus 'Spring Fleecing' (11/6)
ht: 12-20 ft. tall
ha: small tree, "superior form"
lc: glossy dark green
sex: male
fq: more floriferous
ff: nicely scented
so: www.nicholsgardens.com (online catalog 2006)

CINN001 - Cinnamomum camphora 'Yongjin' - HortScience 50: 762-764, an ornamental clone from China.
CINN002 - Cinnamomum camphora 'Xiaguang' - HortScience 50: 762-764

CINN003 - Cinnamomum camphora 'Yuhuang' - HortScience 50: 762-764

CLAD001 Cladrastis kentukea 'White Rain' (Wayside Gardens) - a new weeping clone - by the way there is no "c" in kentukea. It's a Latin thing and folks should know better.


CORN001 - Cornus controversa GARDEN DANCE™ (Wayside Gardens)

CORN002 - Cornus sericea ERIKA THE BLONDE™ (Song Sparrow Nursery, a Klehm original introduction)

CORN003 - Cornus kousa 'Empire', 'Pams Mountain Bouquet', and 'Red Steeple' (HortScience) - paid access. Registrations will be split upon receipt of further data.

CORN004 - Cornus LITTLE RUBY™ (C. kousa 'Miss Satomi' x C. hongkongensis 'Summer Passion') - Dr. Ranney's new breakthrough, the first semi-evergreen to evergreen, pink-bracted dogwood.

CORN005 - Cornus kousa MANDARIN JEWEL (Brotzman's Nursery) - orange fruit

--end of OROC Data Sharing

CORN006 - Cornus mas CLYDESDALE™ (Songsparrow Nursery, a Klehm original)

CORN007 - Cornus kousa SCARLET FIRE™ 'Rutpink' - flower bracts uniformly rich pink, holding this color up to 8 weeks, nearly all of the bract heavily pigmented, leaves clean and unmarred, fall colors red, and it is also considered the heaviest flower of all known pinks in this species (2016). Or: Dr. Tom Molnar, Rutgers University.

CORN008 - Cornus drummondii LEMON DROPS™ 'KNI-Yellow' - flowers "soft saffron yellow", fruit yellow maturing to burgundy, clean dark leaf. Offered by http://www.klynnurseries.com, 2013 Catalog/No Pricing, accessed 2.17.2016, their own introduction from selected seedling


CORN010 - Cornus kousa 'Primrose Cloak' - leaves bright yellow in new growth, tinged red in light, slightly undulate, twigs pink and showy. Or, in: unknown origin, described and listed in the US and Canada by Broken Arrow, Rocky Dale, Handy, and Whistling Gardens Nurseries as 10.3.2016.


Ns: this "unique" plant appears identical to a clone of the species labeled as 'Medusa' some years ago (2005) at the JC Raulston Arboretum and documented in Cultivars of Woody Plants


CORN013 - Cornus hongkongensis subosp. melanotricha 'Watashi no Ginga' - habit upright, outward spreading, vigorous. Leaves margined and sectored green, yellowish-green, and yellow. Flowers single to double (4-6, sometimes 8 bract), bracts greenish at frist, later white. Pat, or: US Patent #26991 on August 2, 2016 to Masashi Shibamichi, Yuki, Japan as sport of subspecies appearing in Tsukuba City, Japan in 2004. Image above is from US Patent Application under which no copyright has been stated or asserted.

CORN015 - Cornus officinalis RED SENTINEL™ 'KLMQQ' - 8-10 ft. tall x 5-8 ft. wide (10 years), "matures to a a small...upright columnar tree", hence more erect than average seedling we suppose, flowers numerous, clustered, cover all limbs fully, leaves more healthy and dark green with a semi-gloss, red to purple in fall in a reliable way.

CORN016 - Cornus officinalis RUGGED CHARM™ 'KLMII' - 8-10 ft. tall x wide (10 years), flowers very numerous, covering all limbs, superior red to purple fall color, good dark glossy green leaf.

CORN017 - Cornus alba BRUSHED BURGUNDY™ 'CHOVZAM' - leaves margined cream to yellow, new growth richly toned in red to burgundy shades, making a bright tricolor. Or: Lake County Nursery.

CORN018 - Cornus alba CHERRY VODKA™ - 5 ft. tall x 4 ft. wide, stems bright red all winter, upright-rounded, leaves textured, rugose along the major veins, rich green, margined white to cream, chimera width irregular, about 8-12% surface, fall color tinged strong pink to red, creating a tricolor effect as soon as August, fruit "snow white". Or: Lake County Nursery, http://www.lakecountynursery.com/lcns%20sell%20sheets/CherryVodka.pdf, accessed 5.10.2017

CORN019 - Cornus alba NEON BURST™ 'Byboughen' - 4-5 ft. tall, compact, upright-globose, parent 'Morden Amber' is 40% larger, twigs rich red, showy, "early in the season", leaves bright chartreuse, very showy color, good heat and sun tolerance, keeping this color all summer without scorching, new tips tinged bronze, fall colors a mix of yellow, orange, red, and purple. Pat, or: US# 27956 on May 2, 2017 to Ron Boughen, Valley River, CA, as sport of 'Morden Amber' 2009, assigned Bylands Nursery, West Kelowna, British Colombia. Web: https://www.baileynurseries.com/media/wysiwyg/bn/our-brands/firsteditions/marketing/brochures/downloads/FE-New_Varieties_2017.pdf, accessed 5.10.2017

PENDING - Cornus GOLDEN STRAWBERRY MARTINI™ - listed name with Ball Ornamentals, data pending

PENDING - Cornus LEMON LIME FLARE™ - listed name with Ball Ornamentals, data pending


Cornus controversa 'Kanuma' - leaves with unusual chimera, the lower half to 2/3 of the blade light green heavily suffused yellow between the secondary veins, the leaf apex typical green in the upper third or so, the transition a set of unusual more yellow miniature trees of clear yellow, zig-zag of gold and green in the lower portions overall, older leaves less clear and overall light green suffused light in yellow. web: http://www.mrmaple.com, accessed 12.29/2017. Lsp: Dawes Arboretum D2013-0038-.001


Corylus 'Burgundy Lace' - 35 ft. tall growth rate moderate, tree form best is basal suckers removed, leaves dark reddish-purple at first, deeply incised (unlike most or all other purple-leaved clones), narrower blad, Resistant to Anisogramma anomala fungus due to parent clone 'Gasaway' Web with color photo: http://icoregon.technologypublisher.com/technology/21725, accessed 5.11.2017, US PP applied for on March 23, 2017 buy Shawn Mehlenbacher, David Smith, and Rebecca McCluskey of Oregon State University, a cross of several clones including C. avellana f. heterophylla 'Cutleaf' and the likely pollen parent 'Rode Zeller' in 1998.


Cotinus coggygria WINECRAFT BLACK™ 'NCCO1' - 4-6 ft. tall x wide, subglobose, compact, smaller than most rich purple clones. Leaves at first rich purple, later more dark, blackish-purple, not fading as older cultivars, remaining dark purple until fall. , orange, yellow, and red tones in fall. Flower panicles wispy, rich pinkish-red, later a hazy-violet. web, so, in: http://springmeadownursery.com/plant/19890, accessed 3.10/2017


Cytisus scoparius SISTER DISCO™ 'SMNCSCRYSISTER DISCO™ 'SMNCSCRY' - 1-3 ft tall, short for this species. Flowers distinctly bicolor, rich gold marked dark red, similar to 'Madame

Cytisus scoparius SISTER REDHEAD™

Cytisus scoparius SISTER ROSIE™

PENDING - INVALID POST-1959 LATIN NAME - x Cupressocyparis leylandii 'Pyramidalis Aurea' - 4m tall x 1.5m wide, pyramidal but somewhat open, elegant, and irregular, foliage sprays a very rich golden, becoming lime green, thus a mix of those general colors. Or: Tesi and Ubaldo, Italy. In: https://www.pepinieres-minier.fr/produit/cupressocyparis-leylandii-pyramidalis-aurea, accessed 12.27.2017


DAPH001 - Daphne x houtteana 'February Plum' (Monrovia) - 2-3 ft. tall x wide, subglobose, slow in growth. Leaves at first rich green, later very purple to blackish-green, sometimes near true black, species is called "Black-leaved Daphne", improved for darkness of leaf color. Flowers purplish-pink, a plum shade. USDA 6 HARDINESS, semi-evergreen in many climates. Web: http://www.monrovia.com/plant-catalog/plants/2919/february-plum-daphne/

DAPH002 - Daphne odora 'Maejima' (Wayside Gardens) - 3-4 ft. tall x wide, globose. Leaves broadly margined cream to light yellow, a wider margin than traditional marginate cultivar of this species, sometimes up to 25-35% of blade surface. Web: http://www.monrovia.com/plant-catalog/plants/4479/maejima-variegated-winter-daphne/

DAPH003 - Daphne bholua 'Cobhay Debut' (1/2017)
fc: corolla slight paler pink than species typical
lc: rich glossy green
ld: more evergreen tendencies
or: www.junker.co.uk, accessed 1.8.2017, their own selection, from seed collected by Sir Peter Smithers in Daman Ridge, Nepal, 1970

DAPH004 - Daphne bholua 'Cobhay Snow' (1/2017)
or: www.junker.co.uk, accessed 1.8.2017, their own selection, not described, presumably white-flowered(?)

DAPH005 - Daphne bholua 'Lympsfield' (1/2017)
in: Roy Lancaster
so: www.junker.co.uk, accessed 1.8.2017, not described

DAPH006 - Daphne odora 'Ripple' (1/2017)
lc: glossy dark green, margined cream at 8-20% of surface, most wide towards the apex, though quite variable
lm: undulate unlike most other white to cream-edged clones
or, in: Sam Allen, Clayton, North Carolina.
lsp: Raulston Arboretum #150003, received 1.13.2015

DAPH007 - Daphne odora 'Shinano Nishiki' (1/2017)
lc: from JCRA image (website accessed 1.8.2017) very variable chimera, gold-centered at 50-90% surface,
lc: some blades more marginal or half gold. The Japanese website http://global.rakuten.com/en/store/chigusa/item/10019130/, accessed
lc: 1.8.2017 shows a yellowish-cream margin of 15-25% surface, silvery green center, though up to 80% on some blades,
lc: not nearly as gold as the JCRA photo (though admittedly a very tiny plant). See also the image here: http://cocaz.exblog.jp/i61/
lc: which suggests a greenish-gold submargin (green thin edge outside the golder margin), chimera easily 50% of the surface.
lsp: Raulston Arboretum #110734, received 3.27.2011. Additional history and images are welcome.

DAPH008 - Daphne odora 'Wild Winter' (1/2017)
lsp: Raulston Arboretum #160025, received 1.25.2016, not described

DAPH009 - Daphne wolongensis 'Guardsman' (1/2017)
ha: more erect, hence a guard-like pose
ld: evergreen
lc: dark green
DAPNI001 - Daphniphyllum teijsmannii 'Mountain Dove', a ghostly margined and sectored sport with contrasy violet-red petioles. Click image to enlarge. Image above is not part of OROC Data Sharing and must not be used.

DAVI001 - Davidia involucrata 'Aya Nishiki' (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.buchholznursery.com/plant_page.html?id=26c354

DAVI002 – Davidia involucrata 'China Compact' (2/10)

ha: smaller, more compact


REGISTRATION PENDING NEW NAME – Davidia involucrata 'Columnaris' invalid post-1959 Latin name (6/7)

ha: upright

ns: requires a new, valid vernacular name if proven of interest.

so: www.bloomrive.com (online catalog 2007)

DAVI003 – Davidia involucrata 'Crimson Spring' (6/7)

lc: burgundy-red new growth, later more bronze-red, then more green

so: www.bigdipperfarm.com (online catalog 2007)

so: www.greergardens.com (online catalog 2007)

DAVI012 – Davidia involucrata 'Iseli Fastigiate' (10/2013)

ha: narrowly erect.

or: Iseli Nursery, Oregon, introduced 2013, from a distinct narrow seedling

DAVI013 - Davidia involucrata 'Lady Dahlia' – leaves irregularly centered yellowish-green to chartreuse aka "gold", marginal serrate tips reddish in sun, chimera about 20–55% of surface, very irregularly in terms of multi-branched sectors or a very open "tree" of paler tissue. Imaged at the Raulston Arboretum (April 2016). It is sold by Buchholz and Broken Arrow nurseries in the US this spring of 2016 as well as Esveld.nl in Europe. It should not be confused with 'Lady Sunshine' with a massively, truly yellow to creamy-yellow. If our math holds here, we now have a shocking seven cultivars of variegated Davidia and still not one that blooms from young, tiny trees! You get what can get, I suppose.
DAVI014 – Davidia involucrata 'Lady Sunshine'
lc: broadly and irregularly margined yellow, chimera about 25–45% surface, very large and wide, fading more to cream edges, the lc: center more of an irregularly grayish–green and green sectored "tree" shape with maturity. New growth is very bright.
lc: This is a classic gold marginate sport and not like 'Aya Nishiki' which often shows submarginal banding of 2–3 colors.
lc: The blade has some texturing, rugosity or minute puckering which adds curious and lovely shadows.
Or: Crispin Silva, Oregon, USA
Ph: [http://florawonder.blogspot.com/2013/08/favorite-chinese-species.html](http://florawonder.blogspot.com/2013/08/favorite-chinese-species.html)

DAVI004 – Davidia involucrata 'Kylees Columnar' (2/10)
ht: 10 ft. tall x 2 ft. wide (10 years)
ha: columnar, pillar–like

DAVI005 – Davidia involucrata 'Platt's Variegated' (2/5)
lc: variably mottled and sectored white
or: Platt Garden, Portland OR USA as seedling
so: Collectors Nursery (online catalog 2005)

DAVI006 – Davidia involucrata 'Purpleleaf' (5/6) provisional name
lc: dark burgundy to purple new growth (RHS 79A,B becoming 79B with 136C)
or, pat: Akira Shibamichi, Japan, as seedling, US Patent applied for 5/11/2006
ns: simple descriptive cultivar names such as "purpleleaf" are not allowed under
ns: the modern code. This clone needs a new name.

DAVI007 – Davidia involucrata 'Shibamachi Variegated' (2/10)
lc: broadly margined yellow (to 35%0, red tinged edge in fall

DAVI008 – Davidia involucrata 'Sonoma' ('Sonoma Clone')
ht: 30–40 ft. tall x 25–30 ft. wide (as species?)
fq: more floriferous than species typical
fd: white bracts to 10 in. long – some species variants are 8 in. at the most
ns: probably belongs to var. vilmoriniana which is more common in gardens.
or: Sonoma Hort. Nursery before 1984

DAVI009 – Davidia involucrata 'Sumako' (2/10)
DAVI010 – Davidia involucrata 'Variegata' post-1959 illegit. name (2/2010)
Ic: mottled and sectored (20–50%) in bright golden–yellow
so, in: http://www.buchholznursery.com (online catalog Feb. 14, 2010, name only, not described)

DAVI011 – Davidia involucrata 'White Dust' (2/2010)
Ic: subtly spotted white and pale green (30–60%), no bold sectors
Ic: or zones

DEUT001 Deutzia hookeriana 'Carolyn Hardy' (RHS, Nomenclatural Standard, JSTOR)

DEUT002 - Deutzia YUKI SNOWFLAKE™ 'NCDX1' - Or: US PPAF, Dr. Thomas Ranney

DEUT003 - Deutzia YUKI CHERRY BLOSSOM™ 'NCDX2' - 24cm tall (3 years per US PPAF), expected to be 2 ft. tall x 3 ft. wide in general landscape use, low-growing, arching-spreading, flowers white striped in pink, abundant, leaves tinged bronze-purple in fall. Or: US PPAF to Dr. Thomas Ranney, Raleigh, North Carolina on 1.28.2016 as cross of D. gracilis 'Nikko' x D. x rosea 'Carminia'. Appears to be the first very low, groundcover-sized cultivar with pink flowers. Web: http://www.ces.ncsu.edu/fletcher/mcilab/introductions/yuki-cherry-blossom-deutzia.html


Diervilla rivularis KODIAK® Series (1/2017) cultivars:

- DIER003 - KODIAK® BLACK 'SMNDRSF' - 3-4 ft. tall x 4-5 ft. wide, leaves glossy dark purple to dark burgundy-black, more intense in spring and summer.
- DIER004 - KODIAK® ORANGE 'G2X88544' - 3-4 ft. tall x 4-5 ft. wide, leaves rich dark orange to reddish-orange at first, more green later
- DIER005 - KODIAK® RED 'G2x885411' - 3-4 ft. tall x 4-5 ft. wide, leaves rich red in spring, becoming green margined and tinged red, new growth all summer remains red, red fall color

in: Spring Meadow Nursery and Proven Winners, c. 2013

PENDING - Diervilla splendens FIREFLY™ NIGHTGLOW™ - Web, in: https://bloomineasyplants.com/plants/firefly-nightglow/, accessed 3.13.2017. Ns: the NIGHTGLOW™ name has also been used for 'El Madrigal'. It remains unclear if these are all the same taxon or if three different trademark names (adding DIVA) are being employed in various combinations.

Diervilla rivularis HONEYBEE™ 'Diwibru01'- [https://www.andre-briant.fr/en/the-novelties/access-to-our-new-plants/3648-diervilla-rivularis-honeybee-diwibru01.html]

DIOS001 - Diospyros virginiana MAGIC FOUNTAIN™ 'JN5' (Pleasant Run Nursery) - 10-12 ft. tall 5-10 ft. wide, distinctively weeping, in colonar type weeper as young plants, apparently wider with age. Fruits present, female clone, maturing to yellow, edible after frost. Leaves red to yellow in fall, potentially semi-showy. Selected by Ray Jackson, Tennessee, USA.

DIOS002 - Diospyros kaki 'Shibamichi Weeping' - moderately to broadly weeping, a classic weeping, upper branches hooked and arching much as Fagus sylvatica 'Pendula'. Fruit medium orange, a female clone. Selected by Akira Shibamichi, Japan, reported in the US c. 2014. It's readily distinct from MAGIC FOUNTAIN™ of another species by it's wider, more open form, and much larger, more orange fruit. Web: [https://jcraulstonarboretum.wordpress.com/]


DIST002 - Distylium LINEBACKER™ - [http://www.plantintroductions.com/linebacker8482distlylium.html]


DIST004 - Distylium SWING LOW™ 'PIIDIST-VI' - 2-3 ft. tall x 4-6 ft. wide, low, dense, prostrate, horizontally branched, more compact and low than CINNAMON GIRL in Bailey Nurseries trials, leaves bluish-green. Or, web: Plant Introductions Inc. selected in 2016 after one of the hottest summers in Georgia, USA on record. [https://www.baileynurseries.com/media/wysiwyg/bn/our-brands/firsteditions/marketing/brochures/downloads/FE-New_Varieties_2017.pdf, accessed 5.10/2017]

Edgeworthia chrysantha 'Hawksridge' - 4 ft. tall x wide, about half the size of 'Snow Cream' and other similar, improved traits. In: Camellia Forest Nursery, www.camforest.com, accessed 12.22.2017

ELAE001 - Elaeagnus x ebbingei OLIVE MARTINI™ 'Viveleg' (Star Roses and Plants) - 10-15 ft. tall x wide, apparently typical species vigor, upright, dense, more upright and stronger in trials than 'Gilt Edge'. Leaves very dark olive green (base color darker than 'Gilt Edge'), margined light yellow at 10-20% surface, more stable chimera than 'Gilt Edge'. US Plant Patent #20177 on July 7, 2009 to Christian Vivies, France as sport appearing in Toulouse, France.

ELAE002 - Elaeagnus x ebbingei MARYLINE® 'Abrela' - leaves centered light yellow to 90% or more of surface, this chimera becoming dark yellow as leaf ages, uniform coloration and one of the most chimera-rich clones known in the genus. Or: Albert Breneliere.

ELAE003 - Elaeagnus umbellatus 'Sweet n Tart' - vigorous, deciduous. Flowers numerous, white, scented. Fruit red, flavorful, tart, sweet as the name implies. web: [http://www.panglobalplants.com, accessed 3.12.2017]

ECARP001 - Elaeocarpus decipliens LITTLE EMPEROR® 'MonProud' - 6-8 ft. tall and wide, liely 10 ft. tall x wide with some age, compact, narrowly pyramidal to columnar, slower growth rate, shorter internodes than typical. Leaves elliptic, undulate, slightly twisting, 8.4cm long x 2.3 cm wide (smaller than either parent), venation more pronounced than species typical or either parent, bronze-colored at first, later glossy, dark green, some older leaves red before they drop. Ch: USDA 8. Pat, Or: US# 17611 on April 17, 2007 to Andrew Scott Proud, Glendora, California USA as cross of two unnamed selections 2001.

ENKI001 - Enkianthus campanulatus 'Lipstick' (Rare Find Nursery) - flower corolla white, about 20-25% surface at the apex bright hot pink, not bluished but strongly marked, contrasting much. Rare Find Nursery selection.

ENKI002 - Enkianthus campanulatus 'Bruce Briggs' - flower corolla nearly 100% bright pinkish-red red, only the small green calyx giving contrast. Selected Weston Nurseries, Mass., USA by Chris Rogers, Propagator, 1980's, only recently in the US trade under this name, c. 2015, sometimes called "Weston red seedling" or similar before. Westonnurseries.com, accessed 5.5.2015 does not mention it but shows 'Red Velvet' which we believe to have slightly pink tips over a mostly red corolla and not the same clone. Said to be named for the founder of Briggs Nursery, Washington, USA who list it.
EUCA001 - Eucalyptus gunnii FRANCE BLEU® (Sapho.fr) - one of the frosty blue clones ever.

EUCA002 - Eucalyptus gunnii AZURA® 'Cagire' - 4m (10 years) where cold hardy, habit neater, more compact, branching more ornamental, and yet more vigorous than random seedlings. Leaves rich azure blue, appearing quite silvery-glaucous in bright light, darker in shade. More cold hardy in French trials, proven one of the most cold tolerant clones in this species, handling up to -18 to -20 Deg. C. in France. It survived when other seedlings died. Roots in high percentages, even from coppaced shoots. Eur PBR to Afoce, France. It should be regarded as one of the most cold hardy and proven ornamental clones in the genus today (May 2015).

EUCA003 - Eucalyptus cladocalyx VINTAGE RED™ 'EUC78' - 6-8 m tall x 3-4 m wide as small tree, can be trimmed lower as shrub or hedge at 2-4 m tall. Stems dark red to blackish-red, maturing to purple and grey tones, bark smooth, grey, exfoliating with age. Leaves bright red at first, almost a coral-red shade, becoming rich dark burgundy and effectively a dark purple from the distance as seen in the above image. It is the first red-leaved clone in this genus in terms of the entire canopy color (not just red tips) and this dark color persisting all year. Dr: high myrtle rust resistance. Photo above courtesy of and copyright owned by Oxbreed Nursery, In: http://ozbreed.com.au/advanced-trees/vintage-red-eucalyptus-is-a-landscape-tree-with-red-foliage-advanced-trees-range/, accessed 8.10/2016, grown on "elite understock" from CSIRO which improved on earlier trials where the top might outgrow the understock. If I did not know better I'd guess this was a new beech, Fagus sylvatica 'Rotundifolia Purpurea'.

EUON001 - Euonymus fortunei DAN'S DELIGHT 'Dandel' - 40cm tall x 60cm wide, compact, dense. Leaves very dark green, margined white to 50-90% or surface, on older mature leaves this white is very clean, bright, not creamy nor muddled in gray tones, one of the most white intense clones reported (May 2015), new tips a bit more yellow to cream in the chimera. Holds color all year where hardy. Selected by Dan Barnet, England, Eur PBR #2014-0121, intro. 2013.

EUON002 - Euonymus alata 'Russell Milstead' (Song Sparrow Nursery, Klehm) - 3-5 ft. tall x wide (5 years), dense, subglobose. Leaves a very intense, bright ruby red in fall. USDA 4 hardiness.

EUON003 - Euonymus fortunei WHITE ALBUM™ 'Alban' - low, dense mound, better form than similar Emerald Gaiety. Leafspot resistant. Leaves with very wide white to light cream margins. Springmeadownursery.com, accessed April 2013.

EUON004 - Euonymus alatus 'Firecloud' - 4-5 ft. tall, smaller than species typical. leaves dark green, "evenly splashed with cream". www.cistus.com, accessed 3.29.2016, named by them


EUON007 - Euonymus japonicus EL DORADO™ 'BR2012' - 60cm x 25cm wide. Leaves larger, bright yellow, remaining so most of the year.

EUON008 - Euonymus grandiflorus (carnosus) RUBY WINE® - 1.5-2.5m tall x 1-2m wide. Leaves very showy dark wine red in fall. Fruit showy as the species. Or: Minier Nurseries, France, 2014.

EUON009 - Euonymus alatus UNFORGETTABLE FIRE™ 'Hayman' (1/2017)
ht: 5-7 ft. tall x wide, tallish but very compact, dense, finely branched
ll: smaller than species typical
lc: very rich reddish-magenta to bright red shades in fall, reliably and uniformly so
or: Michael Hayman, Louisville, Kentucky USA
pat: US#21634, CBR# 4389
in: Spring Meadow Nursery

EUON010 - Euonymus fortunei 'Horts Blaze' (1/2017)
ht: 25cm at first, 50-100cm x 150cm or more (10 years)
ah: mat-forming, very strong
Euonymus fortunei 'Prince John' (1/2017)
lc: broadly margined creamy-yellow to cream, chimera easily 25-40% of surface.

EUON012 - Euonymus fortunei SILVER CARPET® 'Hein's Silver' (1/2017)
ht: 15-20cm tall x wider
ha: prostrate to procumbent, carpet-like, said to be slow and compact, restrained even, suitable for containers
lc: broadly margined cream to silvery-white, chimera 15-40% surface, variably so, midrib often this same chimeral color
or, in: Competition Plant Products 2009 by Roman Bodnar, apparently selected by Sneijers Boomkwekerij

EUON013 - Euonymus japonicus GREEN MILLENIUM® 'Minmil' (1/2017)
ha: erect, intended as a strong hedge
lc: bright green
pat: Eur. PBR
Rejected - Euonymus japonicus GREEN ROCKET - a synonym of the Japanese clone 'Bekomasaki' and like 'Green Spire' a rename of it

EUON014 - Euonymus japonicus GOLDMINE SENSE™ 'Charles' (1/2017)
st: palish, lime green, showy
lc: new tips bright gold for up to 20 leaves, becoming green with a thin lime margin
Or: Asra Plant, Belgium, introduced at Plantarium in 2015

EUON015 - Euonymus japonicus Microphyllus Group 'Edward King' ('Microphyllus Variegatus' in part)
ls, ll: smaller more elliptic blade as the Group
lc: thinly margined cream, later more of a cleaner white edge, chimera 2-7% surface, bright green center

lc: golden tips in February ("carnival time"), more or all green later
or: Botanyplants.co.uk, their own selection, prior to the 2002 catalog listing

EUON017 - Euonymus japonicus 'Chedju' (1/2017) - lc: margins cream on green, center of blade a mix of green, gray and cream shades.


Euonymus americanus 'Green Tapestry' - leaves variegated. so: http://www.pavia.be/catalogue/, accessed 12.30/2017
EXOC001 - Exochorda racemosa 'Snow Mountain' - 5-6 ft. tall x 5-6 ft. wide, globose. Flowers 3-4cm wide, 5cm deep, very abundant, blooming from the bottom to the top of the plant, giving a more enduring, impressive show. Propagated easily with softwood stem cuttings unlike 'The Bride' which is somewhat difficult.

EXOC002 - Exochorda SNOW DAY® SURPRISE 'Niagara' - 36-48 in. tall x wide, a true dwarf, upright-mounded to loose spreading, yet compact. Flowers 3.3cm wide, inflor. to 5.2cm long, very abundant, mostly in large terminal racemes. Roots well from cuttings. US Plant Patent # 21665 to Herman Geers, cross of E. macrantha 'The Bride' and unnamed E. racemosa in 1994 assigned to Spring Meadow Nursery, widely sold by Proven Winners in 2015.

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FAGU001 Fagus grandifolia 'White Lightning' (Mark Weathington, HortScience) - paid access to official cultivar release. The original data is from JC Raulston Arboretum website of their new, dwarf and weeping cultivar of the native, American beech species: http://jcra.ncsu.edu/horticulture/our-plants/results-by-name-serial-number.php?serial=120165

Ph: Image above copyright owned by and courtesy of Laurence C. Hatch, imaged at the JC Raulston Arboretum.

FAGU002 - Fagus grandifolia DIAMONDBACK™ (Ferncliff Cemetery). Legacy cultivar. Previously published in Cultivars of Woody Plants

FAGU003 - Fagus sylvatica 'Callista' - as 'Dawyckii' but slower, much denser, semi-dwarf, 2m tall in 10 years. Leaves typical green. hgeersnl, accessed 5.26.2015

FAGU004 - Fagus sylvatica 'Eugen' - a semi-dwarf form, often more spreading than typical species, thus may be wider than tall. Leaves with a distinct obtuse, more rounded apex. It is sometimes referred to as 'Fruticosa Eugen' (sophora.pl, accessed 5.31.2015), in connection with a post-1959 Latin cultivar name for shrubby, dwarf forms called 'Fruticosa' (fruticose=shrubby in Latin). Thought to be of Czech origin.

FAGU005 - Fagus sylvatica 'Londal Kribbebuk' - very low contorted-weeper to spreading mound if grafted low, otherwise like a mix of 'Pendula' and 'Tortuosa' if grafted higher, a "cascading carpet" by one account.

FAGU006 - Fagus sylvatica 'Sandrode' - sport of the linear-bladed 'Mercedes', also semi-dwarf, dense, compact, can be upright to ovoid, but blades saw-toothed or boldly dentate, more like true 'Laciniata' than 'Asplendifolia' (ie. shallower incisions, symmetrical blade), also more undulate than 'Laciniata'. The name translates to "red sand", possibly because of the red to sandy yellow fall colors?FAGU

FAGU007 - Fagus sylvatica 'Tur' - leaves very large to 11cm long, richly textured (sunken veins), very dark purple, more so than either 'Spaethiana'. Hulsdonk.com, accessed 5.31.2015
FAGU008 - Fagus sylvatica 'Goldzack' - leaves golden-yellow becoming green by summer.

FAGU009 - Fagus grandifolia 'Umbrella' - canopy shaped as the name implies, mounded, mushroom-like, irregularly branched. Should be compared to 'White Lightning' which appears to have very similar habit traits. In: http://www.coniferkingdom.com, accessed 10.12.2016

Fagus sylvatica 'Inanna' - so: http://www.pavia.be/catalogue/, accessed 12.30/2017, listed name only

FARG001 - Fargesia murielae 'Elias' - 50-60cm tall x 100cm wide, compact, slower, not invasive, mounded with age. Or: Frank Schnuper.


FATS001 – Fatsia japonica ‘Spilt Milk’ – glossy green, margined and splashed cream to white. Cistus.com, accessed 4.22.2015, their own selection


FICU001 - Ficus afghanistanica 'Silver Lyre' - 20 ft. tall x 10 ft. where fully cold hardy, very vigorous. Leaves deeply lobed, incised, "snowflake-shaped", silvery-silvery-green to light silver (much greener in species typical). USDA 7b. Sean Hogan (cistus.com), accessed 4.22.2015. This species is cold hardy in 7b and higher with distinctly incised and showy blades not unlike a cut-leaved mulberry or Ficus carica but usually smaller and quite artistic and showy as such.

FICU002 - Ficus afghanistanica 'Green Filigree' - 15-20 ft. tall, similar to species. Leaves "intricately lobed, filigreed...deep green". Or, in: www.cistus.com, accessed 3.29.2016, their own introduction

FICU003 - Ficus afghanistanica 'Dwarf Green Filigree' - 3 ft. tall in many years, smaller than species and 'Green Filigree'. Leaves finely incised, filigreed, lacy. Or, in: www.cistus.com, accessed 3.29.2016, their own introduction.


FICUS005 - Ficus palmata subsp. virgata 'Icebox' - 12 ft. tall x 18 ft. wide, stems hairy, semi-showy. Leaves very broadly ovate to suborbicular, daek bluish-green to dusky green, tropical in effectCh: USDA 7b, having survived 7 deg. F. without protection. Or, so: https://www.plantdelights.com/collections/ficus/products/ficus-palmata-icebox, accessed 5.1.2017, their selection from seed collected by Chris Chadwell at 6900 ft. in Kumaon, India, this selection not dying back in USDA 7b as species typical.

FORS001 - Forsythia x intermedia MAGICAL® GOLD 'Kolgold' (Monrovia) - 3-5 ft. tall x 3-4 ft. wide. Flowers extra large, floriferous, covering nearly every stem of new and old wood, one of a few that bloom from both. Therefore useful as a long cutting flowering spray. Leaves a rich green. Bred by Peter Kolster.

FORS002 - Forsythia x intermedia 'Nimbus' (Minier Nurseries) - compact (more so than parent 'Courtijau'), upright to outwarding spreading, vigorous (more than parent 'Courtijau'), freely branched, dense. Flowers numerous, longer blooming and also earlier than parent 'Courtijau'. Phytophthora resistant. US Plant Patent #23838 on August 20, 2013 to Patrick Pineau, cross of 'Courtijau' x unknown male clone, 2004, selected 2006, assigned to Pepinieres Minier.


FOTH001 - Fothergilla gardenii 'Bill's True Dwarf' (Rare Find Nursery)


FRAN001 - Franklinia alatamaha 'Ben's Best' (Rare Find Nursery) - "a particularly vigorous form" (RFN, website, accessed 10.2.2016). Or: Hank Schannen

FRAX002 - Fraxinus americana NOBILITY® 'Jefwis' - 50 ft. tall x 30 ft. wide, upright-pyramidal, good vigor, bark resistant to frost cracking, a concern in very cold regions, "hardening off" earlier in the fall than any other clone of the species, a true advantage in cold areas. Leaves dark green, reliably showy and early dark purple fall color. Male, seedless. Dr: resistant to cottony psyllid and ash flower gall mite. Ch: USDA 3a, more cold hardy than typical, possibly to USDA 2 but not yet proven. Or: Dr. Philip Ronald, a superior seedling out of 143 elite seedlings tested near Portage la Prairie, Manitoba, Canada, derived from a population of seedlings collected from a single maternal tree in northern Wisconsin. Web: http://www.jeffriesnurseries.com/Nobility.pdf, accessed 1.14.2017

FRAX003 - Fraxinus americana CALYPSO™ 'DurKar' - 16m tal x 12m wide, pyramidal with age. Leaves green, purplish in fall. More cold hardy.

FRAX004 - Fraxinus americana TUXEDO™ 'DurGar' - 12m tall x 9m wide. Leaves rich purple in fall, showy. Male, seedless. More cold hardy.

FRAX005 - Fraxinus excelsior 'Diggi Saule' - dwarf, very compact, globose-headed, 5 cm growth per year, leaves dark green.

GARD001 - Gardenia jasminoides (G. augusta) 'Golden Doubloons' named by Nurseries Caroliniana and seen here at the Raulston Arboretum Lathhouse is the first highly variegated, very gold clone. It looks rather lime and chartreuse here in spring 2014 but will get golder with time. It's a very interesting new plant.

GARD002 - Gardenia jasminoides 'Cream Picotee' - 3-4 ft. tall x 2-3 ft. wide. Flowers semi-double, large, similar to 'Chuck Hayes'. Leaves "smallishg, shiny, green...both streaked and spotted creamy whites". Or, in: www.cistus.com, accessed 3.29.2016, their own intro.Gardenia jasminoides 'Cream Picotee' - 3-4 ft. tall x 2-3 ft. wide. Flowers semi-double, large, similar to 'Chuck Hayes'. Leaves "smallish, shiny, green...both streaked and spotted creamy whites". Or, in: www.cistus.com, accessed 3.29.2016, their own intro.

GARD003 - Gardenia jasminoides COCONUT MAGIC™ 'Extra Large Cream' - 48 in. tall x wide, flowers large at 5-6. in wide, double, creamy-white. Ball Oramentals exclusive, accessed 1.16.2016

GARD004 - Gardenia jasminoides BITTY BOUTONNIERE™ 'Leethree' - 2.5 ft. tall x 3.5 ft. wide, compact, mounded. Flowers single, radial ("daisy-like"), very small (5.5cm wide), highly scented. Intro. Home Garden TV (HGTV) 2015. Or, pat: Robert Lee, Independence, Louisiana, US PPAF files 8.11.2014, open-pollinated from 'Daisy'.

GARD005 - Gardenia jasminoides 'Leefour' - 60cm tall x 50cm wide, upright, vigorous yet remaining compact, more adapted to US southern gardens, more heat tolerant, larger and stronger than parent 'Daisy'. Leaves glossy, dark green, 6.0cm long x 2.8cm wide. Flowers highly scented. Or, pat: Robert Lee, Independence, Louisiana, US PPAF files 8.11.2014, open-pollinated from 'Daisy'.

GARD006 - Gardenia jasminoides ScentAmazing™ 'Leetwo' - 3-4 ft. tall x 4 ft., wide, habit compact, very dense, smaller and stronger than parent 'Daisy'. Leaves darker green and more glossy than parent 'Daisy'. Flowers small, very highly scented, single, radial petals, blooming early and over a long period. Very heat tolerant, more suitable for US southern garden conditions. Or, pat: Robert Lee, Independence, Louisiana, US PPAF files 8.11.2014, open-pollinated from 'Daisy'. Intro: Southern Living Plant Collection.

GARD007 - Gardenia jasminoides 'Genie-2' - dense, low-growing, 60cm tall (2 years). Leaves dark green, 60mm long x 15mm long. Flowers 5cm wide, petals 30mm long x 20mm wide, double in 3 whorls. Prop: roots easily from cuttings. Pat, or: US# 26734 on May 17, 2016 to Allyn Cook, Gainesville, Florida, USA as seedling of stockin Alachua, Flora.


GAUL001 - Gaultheria procumbens COLOR SURPRISE™ 'SLARMORR18' https://grootgroenplus.nl/gaultheria-procumbens-slagmoer18-color-surprise

GELS001 - Gelsemium JASMINE DUET® (G. rankinii x G. sempervirens) - said to combined the best traits of both southern US species, flowers very abundant,
corolla as in both species, long bloom period into winter. In, ph: http://gardenersconfidence.com/plants/jasmine-duet-jessamine, accessed 10.11.2016. Ns: the choice of the trademark name is perhaps unfortunate as this genus is not a Jasmine in any sense but by southern traditional, botanical and by folklore, the "Jessamine".

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GIN001 - Ginkgo biloba 'Jagged Jade' - leaves thicker than parent 'Jade Butterfly' (sport of) and with a jagged, irregular sawtooth margin of irregular sizes, perhaps 25-45 teeth per blade. So: www.mrginkgo.com, accessed 5.16.2016

GIN002 - Ginkgo biloba f. fastigiata 'Grindstone' ('Grind Stone') - 30 ft. tall x 5 ft. wide, fastigiate to narrowly columnar. Or: from a notable tree in Grinstone Lake, New York, USA.


GIN004 - Ginkgo biloba 'All Gold' - leaves golden-yellow in spring, summer, and more so in fall, can burn in sun. In: Brent Markus per Mesterhazy, Conifer Treasury, accessed 5.21.2016

GIN005 - Ginkgo biloba 'Snow Cloud' - leaves heavily suffused yellow over most of the blade in spring and into summer, unlike most summer-gold ginkgos this one has a cloudy, creamy or whitish upper leaf margin, some leaves quite a pale yellowish-white. In: www.coniferkingdom.com, accessed 5.22.2016


GIN007 - Ginkgo biloba 'Crispins Jade Jester' - Leaves with the so-called "jagged" mutation, highly fasciated blade with much rugosity-ridging, the apical teeth (and of course there are dozens) of irregular size, thickness, and acuteness, also sectored and striped in light yellow to cream, even greenish-yellow, a chimera perhaps 30-45% surface, said by Whitman Farms to be "remarkably stable". Or: Crispin Silva. Web, so, in: http://www.whitmanfarms.com/blog/crispins-jaded-jester-ginkgo/, accessed 3.10.2017

GIN008 - Ginkgo biloba 'Xiajin' - leaves with long petiole, shallow lobing, undulate margin, very showy golden-yellow in spring and part of summer, later yellowish-green. Sex: female. Or: Tai'an City Academy of Forestry Science, selected from near An'lu, Hubai, China "after many years of observation". Li: https://www.cabdirect.org/cabdirect/abstract/20103040424, accessed 4.29.2017

GIN009 - Ginkgo biloba 'Jubao' - narrower crown (just 40cm wide in young trees), "ovate", compact, "all branches are obliquely growing and bending toward the trunk", longest lims 28-30cm wide. Leaves reduced, 3 cm x 4 cm wide. Sex: female. Or: Tai'an City Academy of Forestry Science, from a single tree in "a ginkgo resource garden"
GINK010 - Ginkgo biloba 'Songzhen' - leaves of three types, "trumpet-shape, fan-shape, and tube-shape appeared on the same branch....ornamental". Or: Tai'an City Academy of Forestry Science

GINK011 - Ginkgo biloba 'Taishanyulian' - branches drooping, leaves of two types, "one herringbone blade with a deep crack that reaches to vane [vein] base; another kind of blade with shallow or very shallow crack, narrow blade, fan-shaped or semi-elliptic", margines undulate or toothed with short lobing. Sex: female. Or: Tai'an City Academy of Forestry, from single tree at a "Ginkgo germplasm resource garden".GINK008 - Ginkgo biloba 'Xiajin' - leaves with long petiole, shallow lobing, undulate margin, very showy golden-yellow in spring and part of summer, later yellowish-green. Sex: female. Or: Tai'an City Academy of Forestry Science, selected from near An'lu, Hubai, China "after many years of observation". Li: https://www.cabdirect.org/cabdirect/abstract/20103040424, accessed 4.29.201017

GINK012 - Ginkgo biloba 'Survivor' - spreading-cascading to semi-weeping, semi-dwarf, leaves much narrow, often boldly bifid (2-lobed), usually longer than wide, some highly incised with additional lobes.

GINK013 - Ginkgo biloba 'Clica' - 50 cm tall (10 years), dwarf, subglobose, recommended for rockeries and small borders, very compact, heavily branches, leaves reduced in size.


Ginkgo biloba 'Mick's Weeping' - Australian weeping with tube-leaved and other foliage types, similar to 'Weeping Wonder'


GLEDO01 - STREET KEEPER® 'Draves' (streetkeeper.net) - 45 ft. tall x 18-20 ft. wide (50 years), columnar to narrowly ovoid, central leader dominant, strong crotch angles, reminds us of the old 'Elegantissima' but denser, narrower, suitable for larger city streets with half or less than normal spread. Leaves dark green, more textured, yellow in fall. No fruit seen in 50 years. US Plant Patent #21698, Tom Draves, found near Buffalo, New York from a notable tree.

GORD01 - Gordonia lasianthus 'Swampy' - habit more vigorous. More cold hardy, selected from near Aiken, South Carolina, a more northern range than some nursery stock. Selected by Chuck Weeks, former employee with Nurcar.com, accessed April 2013.