Reo Moor 5 13. Der Director des Dereins zur Beförderung des Gartenbaues in Breußen. Lischbait. Leblessien 518lock 1883 Lasganifotan favor Gu Tjäk faba if kärglig non unfam Gunnal Answhair profusor With mark you fran bruwnfrustnik in Europa gefort, tome fork fæsta rift gufannt, Fra gnosalisse bakanntsfaft zu fårfan, malefa mir, ælt glåfanten Linkfahr von hadsliger van fafor miflig knik mend grafsom den Svorta gavafnu fnin mårte. Gupallan tin mir tafar, mannig billen vart, striftlissminn Lun laforing zu fristen, malgte ist wind linker mindtif mugsforagen

0 1 2 3 4 5 6 7 8 9 10 MISSOURI BOTANICAL COPYRIGHT RESERVED GARDEN

fuither.

hurium bevbaiten sie Sun mit louiferen murfolgen ainen toggul-Sna Gwaik. forknut finge infiningfor (halaskun) folgte dearemen min. giftifone, walfa nimm forthlisten matt fuknu, tint guns' Anné fabe inf den Stjoufaité. wnost sin fallenn fin mafor parks in briga. La bristne senjinfungen kuffeif. tigan mig fait ningen faforen Ukier Engelmanni / Parry Ubier pungens (Engelmann) Abies Tarriana (Hortoran, ); van latgtarre bespontent die blevilig Torm glanva ator argentlea. ft ip mir alear, brokg riforigen Honkant, nog night gulingen die dvai Läume overet aus nivantnogni fallen, fo daßmir me unv no åbrigt, mil an din frifarte findle gå mustan.

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Af hafilyn ælla Ivni Danima sin Alaina flylaran mon that fifa, miniga utera 6 graften und uniga gi stor krumafun, saf3 At pungens I At Farriana mins fint, Ab. Engelmanni abour mossfrinden danson. Mun unud about Beedth in frimme Manual of the Consteras nin digt af en mittenstelligten mart, abor får går hunnifte Jwas ku förft bronnsthan, ainen Lumm Ab. Engelmanni, som if bisfor als panger verly. Parriana kannte Donweifel ah. Engelmanni - was inf davie. kan bisfom varkant gannifl. Ab. pangens 3 Farriana fabra bai mir starra vingt farina abstrata, mente ader avnuiger for the harden differ.

6 copyright reserved cm

Sin tarke if for var find on rom minne marken falbligen grån beit ga nimer bleviliger Tarken grif britan stansken, tin fort so intemper it, min die von Ab. sistehensis (Ab henziesi) auf som Mutnofindu. Lai Ub. Ingelmann' sagngnu find din hudela mil synister tid lingen den favnigen mint me for an semificia Duasque An Toru vyalete if als Farriana, glanca leafify find wind starten w blaktriger als sin mosfallaissemassig glatten knotgna der A Engelmanni, im Mubrigun lafth fijfnin for grafte bandriftenit, bostons in fakt gundrakiffin fjinn. ffritt som (hordele might ling. Min sintavafist mif Al. Tarribus glausa bistjatet min alt finn-bann, no ip din ffante triffe,

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wolfe if bit jaket knume galavat forbu, about Ub. Engelnan. ni als tosplain, mil ig man ifr gufort fabu, saft fin in ifor Rinde ninne automafus. waifa skarkan Tarmin-Gustell fahna fall. Sprint viffig, le. fandret in star fåfe, walge mir frank minde, so kana star Lenium, ben i som barragul an frifm. vinta unter som verir på las. tne bryimmen, mine græfte Rolla fyrans fyralen. Mehn allna Muspusin will if ifa anhammu. tin fufan alfo, foogsverforter fan, via wiffig at mir fra mils, solla telasfrik aben lenista Til hunne gu allangna. Manne ti bin Donne marffuffre tin mir sinfallen sin stro Braife, BB das tim wir dan Mutarffind ESE sorfullen safinivan monimum

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juvarlissigan Sammufisadlar dan kuftrag noffailten, mir som jadne Sooke min pfint frainn tamm/get frustrum. Skeekan in Thilaselphia fæt føre sivnitan biftrag. Volkhuns Ifunu møgliffrin, min atio Colorado Samue you Al pungeus, der blaunspan down, gu mar fylaffan, for winds if gang a i Brook na blig sanklar fria, tom som same uborragt alle androne so work an Soswiffer, dals if fufor niforig bein, ife for monton in no waive fir saf møglig, safs sin tavbe fil ving samme roughant fortyflangte. Munighnut wunde nin bland Lain menfo blain Kønelinga lingtava, alt min grunn. Indno faffung står mist så bafa så bela signa, prifu, if als of gang angelowper Cornessen Capatain g. D.

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Dear Sir,

Too late I recently heard from our general secretary Prof. Wittmark of your presence in Europe, otherwise I would not have neglected to seek your personal acquaintanship, which would have been very important and of great interest to me because of my ardent love of conifers. Please therefore permit me to seek instruction in writing, which I would much have preferred to receive verbally.

My work with conifers pursues a double purpose. First, I am seeking to introduce in our Fatherland such trees which would have a value in forestry, and secondly I have the value of beauty in our parks in mind.

In both respects I have been occupied for several years with Abies Engelmanni

(Parry) Abies pungens (Engelmann) and Abies Parriana (Hortoram); of the latter particularly the bluish form glauca or argentea. However, in spite of zealous efforts, I have not been successful in correctly distinguishing between the three trees, so that nothing remains but to turn to the most certain source. I possess all three trees in small specimens of meter height, some of them somewhat larger and some to the assumption that Ab. pungens and Ab. Parriana are one but Ab. Engelmanni different from these.

However, Veitch in his Manual of the Coniferae, a book without scientific value, but highly useful for gardening purposes, mentions a tree Ab. Engelmanni, which up to now I have known as pungens respectively Parriana and does not at all mention Ab. Engelmanni - which up to now I understood to be among them. Ab. pungens and Parriana have stiff, all around prominent, more or less curved needles with sharp, prickly points. The color varies quite a bit, from a dull yellowish green to a bluish color on both sides, which is almost so intensive as that of Ab. sitchensis (Ab. Menziesii) on the underside.

In comparison on Ab. Engelmanni the needles are much softer and lie much closer to the branches, also the buds of the form which I possess as Parriana glauca are much stronger and more leafy than the comparatively smooth buds of A. Engelmanni;

moreover, a great similarity, particularly in an almost square cross-section of the needles, cannot be denied.

Up to now Ab. Parriana glauca has interested me only as an ornamental tree, it is the most beautiful pine which I have become familiar with so far, but Ab.

Engelmanni as forestry tree, because I have heard that in its bark it has a large tannin content. If this is correct, particularly in the height which was mentioned to me, then the tree can play a big role for us, because of the lack of oak bark, under which we are beginning to suffer. Under all circumstances I want to cultivate it.

Therefore you see, honored sir, how important it must be to me, to attain full clarity about both trees. If you can, please provide this for me in the manner in which you can define the difference and place an order with a reliable seed dealer, to send me a pound (clean seed) of each kind. Meehan in Philadelphia already has such an order. If you could provide me seed of Ab. pungens, the bluest form from Colorado, I would be most grateful, because this tree surpasses all others as far as beauty is concerned, so that I am most eager to increase it, and it probably would be possible that the color would also remain constant through propagation by seed. At least a blue tree would deliver more bluish seedlings than a green one. In the hope that I am not burdening you too much, I am,

Your most devoted,

von St. Paul

Corvetten Capitain A. D. (?)

