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!B @ 0 = 8 F 0 1/3

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**\$ @ 5 7 8 O - Freesia**

gradinar, 2 B > @ = 8 : 23 4 5 : 5 < 2 @ 8 2008 - 12:09:01

@ > < 0 B = 0 B 0 N 6 => 0 D @ 8 : 0 = A : 0 ? @ 8 = F 5 A 0, D @ 5 7 8 O B 0, 7 0 ? > G 2 0  
4 0 F J D B 8 > 1 5 ? @ 5 7 D 5 2 @ C 0 @ 8 2 = 0 9 - @ 0 7 => 1 @ 0 7 = 8  
? @ 5 ; 8 2 0 1 8 A 5 1 0 3 @ 8, ? @ 5 > 1 ; 0 4 0 2 0 B 1 0 ; >, 6 J ; B >, > @ 0 = 6 5 2 >,  
2 8 > ; 5 B > 2 >, @ > 7 > 2 > 8 G 5 @ 2 5 =>. " O 5 A ; O 7 ; 0 > B 2 8 A > : 8 B 5  
? ; 0 B 0 = 0 5 9 ? B 0 C =, . 6 = 0 D @ 8 : 0 8 = 0 8 A B 8 = 0 5 F 2 5 B 5, : > 5 B > 5  
4 > A B > 9 => 4 0 : @ 0 A 8 3 ; 0 2 0 B 0 = 0 2 A O : 0 < ; 0 4 0 ? @ 8 = F 5 A 0.  
\$ @ 5 7 8 O B 0 5 8 7 ; ; N G 8 B 5 ; => 8 7 O I = 0, = 5 2 5 @ > O B => 0 @ > < 0 B = 0 8  
: 8 G 5 A B 0. > A 8 ? > A ; 0 = 8 5 B > = 0 < ; 0 4 > A B, A 2 5 6 5 A B, A 2 > 1 > 4 0, 8  
= 0 @ 5 4 A B > 2 0 = 0 5 ; 5 3 0 = B => A B, 7 = 0 B => A B 8 8 7 B J = G 5 => A B.

# E 0 = 8 5 B > 8 <, 5 4 => 2 @ 5 < 5 ==> = 5 6 => 8 A 8 ; = >, 3 8 ? @ 0 2 8  
1 J @ 7 > <=> 3 > ? > ? C ; O @ = 8, < 0 : 0 @ G 5 5 4 2 0 2 : @ 0 O = 0 % % 2. (1880  
3.) A 0 ? @ 5 = 5 A 5 = 8 > B . 6 = 0 D @ 8 : 0 2 2 @ > ? 0.  
> A O B 8 < 5 B > = 0 = 5 < A : 8 O 1 > B 0 = 8 : 8 ; 5 : 0 @ Friedrich Heinrich Theodor Freese  
(1795-1876). 0 7 2 0 B, G 5 B > 2 0 A 0 ; N 1 8 < 8 B 5 F 2 5 B O = 0 ; 5 = 0 L > @ 8 E,  
> O B > A 2 J @ 7 2 0 ; 0 C E 0 = 8 5 B > 8 < A ? @ 8 A J A B 2 8 5 B > = 0  
1 > 6 5 A B 2 5 => B > 2 7 5 < = 8 O 6 8 2 > B. 0 @ 0 7 ; 8 : 0 > B ? > 2 5 G 5 B >  
4 @ C 3 8 F 2 5 B O, = 0 9 - A 8 ; => C E 0 O B = 5 1 5 ; 8 B 5 D @ 5 7 8 8, 0 @ > 7 > 2 8 B 5  
8 G 5 @ 2 5 = 8 B 5.

B 3 ; 5 6 4 0 = 5 B > 9 : 0 B > ? @ > < 8 H ; 5 = 0 : C ; B C @ 0 7 0 ? > G 2 0 2  
= 0 G 0 ; > B > = 0 % % 2 5 ; , = > 5 4 2 0 ? @ 5 7 5 0 - 3 > 4 8 = 8 D @ 5 7 8 O B 0  
= 0 2 ; 8 7 0 2 <=> 3 > A B @ 0 = 8 8 A B 0 2 0 ; N 1 8 <> F 2 5 B 5 = 0 <=> 7 8 = 0.  
> B > 2 0 2 @ 5 < 5 > A > 1 5 => ? > ? C ; O @ 5 = ? > 4 0 @ J : 7 0 @ > 6 4 5 =  
4 5 = A B 0 2 0 A @ 5 1 @ 8 A B 0 2 0 7 0 A D @ 5 7 8 8. > 7 = 0 B 8 A 0 4 2 0 2 8 4 0  
D @ 5 7 8 8, : > 8 B > A 5 A @ 5 1 0 B 3 ; 0 2 = > 2 . 6 = 0 D @ 8 : 0. B  
: @ J A B > A 2 0 = 5 B > = 0 F. refracta (> ? 8 A 0 = 0 ? @ 5 7 1 8 1 6 3.) A F. armstrongii 5  
A J 7 4 0 4 5 = : C ; B C @ = 8 O B 2 8 4 F. hybrida, A 4 > A B 0 ? > - 5 4 @ 8 F 2 5 B > 2 5 - 4 > 6  
A <, 2 A J F 2 5 B 8 O ? > 10-12 8 2 8 A > G 8 = 0 6 0-8 0 A <, 7 1 8 @ 0 9 B 5 A B @ J : > 2 5 A  
? @ 0 2 8 A B J 1 ; 0 8 ? > = 5 A 5 4 5 < ? J ? : 8, : 0 B > 1-2 > B B O E B @ 0 1 2 0 4 0 A 0  
> B 2 > @ 5 = 8. @ 5 4 8 4 0 ? > A B 0 2 8 B 5 F 2 5 B O B O 2 J 2 2 0 7 0 B 0, 3 8  
? > 4 @ 5 6 5 B 5 A > A B J @ = > 6 ? > 4 2 > 4 0. 0 4 0 A 0 ? > - B @ 0 9 = 8, 2 J 2  
2 > 4 0 B 0 4 > 1 0 2 5 B 5 < 0 ; : > 7 0 E 0 @. 0 4 0 A 5 > B 2 > @ O B > A B 0 = 0 ; 8 B 5  
? J ? : 8, > B A B @ 0 = O 2 0 9 B 5 ? @ 5 F J D B 5 ; 8 B 5 F 2 5 B > 2 5.

; 0 3 > 4 0 @ 5 = 8 5 = 0 C A 8 ; 5 = 0 B 0 A 5 ; 5 : F 8 O 4 = 5 A A 0 ? > 7 = 0 B 8 = 0 4  
2 0 0 2 8 4 0 D @ 5 7 8 8. \$ @ 5 7 8 8 B 5 A 0 > A > 1 5 => ? > ? C ; O @ = 8 2 % > ; 0 = 4 8 O  
8 \$ @ 0 = F 8 O. @ 5 4 A B 0 2 5 B 5 A 8 F O ; > @ 0 = 6 5 @ 8 5 = C E 0 5 I F 2 5 B 5 =

1 ;>..

0 AJ60;5=85, >10G5, D@578OB0=5A5>B3;5640<=>3>  
 ;5A=>24><0H=8 CA;>28O. 0B>2AO:0?@8=F5A0 A  
 @>4>A;>285, BO 5:0?@87=08=56=0. 78A:20;5:0,  
 ?@>?CA:;820?>G20. >4E>4O18A0 A<5A:0>B B>@D 8 ?OAJ:  
 8;8 4>1@5 @07;>65=>1>@A:8 B>@. "@O120 40 A5 7=05, G5  
 @0AB5=85B>=5?>=0AO A>;5=08:8A5;0?>G20.  
 8A5;8==>ABB0 <>65 40 A5 ?@><5=8:0B>2?>G25=0B0  
 A<5A A5 A;>68 8 <0;:>=530A5=0 20@ 8;8 AB@8B B515H8 @.

\$ @578OB0 878A:20;5:0, ?@>?CA:;820?>G20 A 3>;O<>  
 :>;8G5AB2>>@30=8G=8 2515AB20. >4E>4O10 70  
 >B3;5640=5 5?>G25=0 A<5A:0>B B>@D 8 <0;:>?OAJ:.

\$ @578O 5 <=>3>:0?@87=0 :J< A25B;8=0B0. B3;5640 A5 2  
 ?>;CA25B;8, 4>1@5 ?@>25B@828?><515=8O ?@8  
 B5<?5@0BC@012-16°, :>OB> A ?>O20B0=0 ?J?:8B5 5 EC102>40  
 A5 ?>28H8=018°. >;820 A5 C<5@5=>. :>?J: >B3;5640B5  
 20H0B0D@578O 23@048=0, BO B@O120 40 5=0=O:>5 A:@8B>>B  
 ?@5:8B5 A;J=G528;JG8 <OAB>, BJ9:0B>>18G0  
 ?>;CAO=:0B0. >G20B0 B@O120 40 5 @>E:020 8 >BF54;820.

07<=>6020=5B>=0 D@578OB0 AB020 G@57 A5<5=0 8;8  
 ;C:>28F8. /A=>5, G5 AJA A5<5=0 ?@>F5AJB 5 <=>3>  
 ?>-4J;J3 8 <=>3>?>-B@C4>5<J:. J@2> A5 70AO20B 2  
 A0=4JG5B0, :>8B> A5 4J@60B ?@8 B5<?5@0BC@023-25 3@04CA0,  
 A;54:0B>?>=8:=0B @0AB5=8OB0 A5 ?8:8@0B, ?>4E @0=20B 8  
 >B=>2>?@5A0640B. &5;8O B>78 ?@>F5A >B=5<0 3>48=0.

>:0B>, 0:>87?>;720<5 ;C:>28F8 15 AB0=5 <=>3>  
 ?>-5A=>8 <=>3>?>-1J@7>. C:>28F8B5 A5 70A0640B ?@57  
 <5A5F <09 8 ?@57 023CAB 25G5 A5 @0420<5=0 ?J@28B5  
 FJD=0;8 AB@J:G5B0. 10G5 5=5>1E>48<>@54>2=>  
 ?>;820=5 8 ?>4E @0=20=5. 0 ?@54?>G8B0=5 5 D@5788B5 40  
 A5 70A0640B 2 A0=4JG5B0 8;8 A0:A88, BJ9:0B>:0:B>28640B5,  
 878A:20B <=>3>3@868 8 2=8<0=85. 0718@0 A5 4>1@8B5  
 3@048=0@8 CA?O20B 40>B3;540B D@5788 8 =02J=, =>;8G=>07  
 ?@5BJ@?OE F25B=>D80A:>?@8>?8B0 40 70A04O 54=>  
 ?0:5BG5 A ;C:>28F8 23@048=0B0. B FO;>?0:5BG5 =8B>54=>  
 FJD=0;>F25B5. 3@048=0B0 A5 IC@0B 2AO:0:28 G5@259G5B0,  
 >E;N2G5B0 8 4@C38 3048=:8, A:>8B>=5 28=038 CA?O20B 40 A8  
 A5 A?@028<, 0?J: B5>B A2>O AB@0=0 2A5 CA?O20B 40 A8  
 3@87=0B ?>=51>. O2=>=O:>8>B BOE A0 8;N18B5;8=0  
 A;04:8 ;C:>28G:8. >=O:>30 A5 A;CG20 40 70A048H =O:>O  
 ;C:>28G:0=0 54=><OAB>, 0 A;54 2@5<5 28640H F25B5B>  
 FJD=0;>=0 AJ2A5<4@C3><OAB>.

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!B @ 0 = 8 F 0 3/3

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> 0 :> = 5 C A ? 5 5 < 4 0 > B 3 ; 5 4 0 < 5 D @ 5 7 8 O A 0 < 8, B > ; 5 A =>  
<> 6 5 < 4 0 ?> ? @ 0 2 8 < 3 @ 5 H : 0 B 0 : 0 B > A 8 : C ? 8 < @ 0 7 0 = F 2 O B 8 3 >  
0 @ 0 = 6 8 @ 0 < 5 2 ?> 4 E > 4 O 1 8 2 0 7 8. ) 5 = 8 C E 0 5 = 0 A 2 5 6 > 8 1 5  
= 8 7 0 @ 5 6 4 0 A > ? B 8 < 8 7 J < 8 = 0 A B @ > 5 = 8 5 ? @ 5 7 F O ; 0 B 0 ? @ > ; 5 B.