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! B @ 0 = 8 F 0 1/4

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**! B 0 ? 5 ; 8 O - Stapelia orbea**

gradinar, 2 B > @ = 8 : 15 A 5 ? B 5 < 2 @ 8 2009 - 14:00:39

! 5 < 5 9 A B 2 >: Asclepiadaceae.

> 4 8 = 0: 7 B > G = 0, . 6 = 0 8 . 3 >- 0 ? 0 4 = 0 D @ 8 : 0.

> 4 0 ! B 0 ? 5 ; 8 O (Stapelia) 2 : ; N G 2 0 > B 7 5 4 > 100 2 8 4 0 @ 0 A B 5 = 8 O > B  
A 5 < 5 9 A B 2 > Asclepiadaceae. 0 A ? @ > A B @ 0 = 5 = 0 5 2 . 6 = 0 8  
. 3 >- 0 ? 0 4 = 0 D @ 8 : 0, = O : > 8 > B 2 8 4 > 2 5 B 5 - 2 7 B > G = 0 D @ 8 : 0.

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

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

! B 0 ? 5 ; 8 O B 0, = 0 ; 0 B 8 = A : 8 Stapelia (= 0 9- ? > ? C ; O @ 5 = 2 8 4 - Orbea variegata), 5  
A C : C ; 5 = B => @ 0 A B 5 = 8 5, : > 5 B > ? @ > 8 7 ; 8 7 0 > B 7 B > G = 0 8 . 6 = 0  
D @ 8 : 0. 2 @ > ? 0 5 ? @ 5 = 5 A 5 => > 1 5 ? @ 5 7 1 7 2 5 : > B  
< 8 A 8 > = 5 @ 8, 0 = 0 8 < 5 = > 2 0 = 8 5 B > A 8 5 4 > 1 8 ; > ? > 8 < 5 B > = 0  
1 > B 0 = 8 : 0 > E 0 = 5 A 2 0 = ! B 0 ? 5 ;

**8 4 > 2 5:**

J A B @ 0 ! B 0 ? 5 ; 8 O (S. variegata L. (S. hanburyana A. Berg. a. Rust.)). 0 A B 5 = 0  
: 0 < 5 = 8 A B >- ? 5 A J G ; 8 2 8 = 0 A 8 ? 8, ? > A : 0 ; 8 A B 8 B 5 A : ; > = > 2 5 2

? ; 0 = 8 = 8 B 5, ? > = O : > 3 0 > : >; > @ 5 : 8 B 5 2 . 6 = 0 D @ 8 : 0.  
 8 A : > @ 0 A B O I >, 3-10 A < 2 8 A > : > @ 0 A B 5 = 85. ; > = 8 B 5 A 0 7 5; 5 = 8,  
 = 5 @ 0 4 : > G 5 @ 2 5 = 8 : 0 2 8, A D 0 A 5 B 8, @ 0 7 ? >; > 6 5 = 8 ? > 4 3 >; O <  
 J 3 J; ? >< 5 6 4 C A 8. & 2 5 B > 2 5 B 5 A 0 ? > 1-5, @ 0 A ? >; > 6 5 = 8 2  
 > A = > 2 0 B 0 = 0 <; 0 4 8 B 5 A B 5 1; 0. 5 = 5 F 0 5 5-8 A < 2 4 8 0 < 5 B J @,  
 ? ; > A J .. 5 = G 5; 8 A B G 5 B 0 B 0 A 0 B @ 8 J 3 J; = 8, O 9 F 5 2 8 4 = 8,  
 7 0 > A B @ 5 = 8, 8 7 2 8 B 8, > B 2 J H = 0 B 0 A B @ 0 = 0 3; 0 4 : 8, 3 >; 8,  
 A 2 5 B ; >- 6 J; B 8, > B 2 J B @ 5 H = 0 B 0 A B @ 0 = 0 6 J; B 8, = 0 3 J = 0 B 8, A  
 B J < = - : 0 D O 2 8 8 2 8 F 8 8; 8 = 5 @ 0 2 = > < 5 @ = 8 ? 5 B = 0 8 < 5 6 4 C B O E  
 A = 0 ? @ 5 G = 8 B J =: 8 8 2 8 F 8 (D > @ < 0 B 0 8 > : @ 0 A : 0 B 0 = 0 F 2 5 B > 2 5 B 5  
 2 0 @ 8 @ 0 7 = 0 G 8 B 5; => ). & J D B 8 ? @ 5 7 ; O B > B >. !; 5 4 F J D B 5 6  
 > 1 @ 0 7 C 2 0 ? ; > 4 > 2 5 A < = > 6 5 A B 2 > A 5 < 5 = 0, A = 0 1 4 5 = 8 A  
 ? 5 @ F 0 (: 0 B > ? @ 8 3; C E 0 @ G 5 B > ).

**8 3 0 = B A : 0 ! B 0 ? 5 ; 8 0**                  (S. gigantea N. . B.). 0 A B 5 ? > : 0 < 5 = 8 A B 8 ? > G 2 8 2  
 . 6 = 0 D @ 8 : 0. = > 3 > 3 > 4 8 H = 8 A C : C; 5 = B = 8 @ 0 A B 5 = 8 O.  
 ! B 5 1; 0 B 0 A 0 7 4 @ 0 2 8, ? @ 0 2 > A B > O 1 8, 4 > 2 0 A < 2 K A > : 8, A 3 A <  
 4 5 1 5; 8 = 0, A J A A 8; => @ 0 7 2 8 B 8, : @ 8 ; > 2 8 4 = 8 D 0 A 5 B 8, = 5 < = > 3 >  
 = 0 7 J 1 5 = 8 8 = 5 3 J A B > @ 0 7 ? >; > 6 5 = 8. & 2 5 B > 2 5 B 5 A 0 ? > 1 2 = 0  
 4 J; 3 8 F 2 5 B > = > A 8; 2 5 = 5 F 0 5 > 3 @ > < 5 =, 2 5 3 5 A < 2 4 8 0 < 5 B J @,  
 ? ; > A J .. 4 J; 1 > : > = 0 @ 0 7 0 =; 2 5 = G 5; 8 A B G 5 B 0 B 0 A 0 B @ 8 J 3 J; = 8,  
 C 4 J; 6 5 = > 7 0 > A B @ 5 = 8, A 2 5 B ; >- 6 J; B 8, A < = > 3 > 1 @ > 9 = 8  
 4 5 1 5; 8 2; 0 A 8 =: 8 A G 5 @ 2 5 = F 2 O B, ? > : @ 0 8 1 0 B 0 A; 0 1 > 8 7 2 8 B 8 8  
 A < J E > B 4 J; 3 8 1 5; 8 2; 0 A 8 =: 8. @ 8 A B 0 ? 5; 8 O 3 8 3 0 = B A : 0  
 F 2 5 B > 2 5 B 5 = O < 0 B 8 7 @ 0 7 5 = = 5 ? @ 8 O B 5 = 0 @ > < 0 B.

**@ > < 5 = O 1 0 A 5 ! B 0 ? 5 ; 8 0**                  (S. mutabilis Jacq.). ! 8 = > = 8 <: 2 ; 8 B 5 @ 0 B C @ 0 B 0  
 A 5 A @ 5 1 0 : 0 B > S. neglecta Tod., 8 S. fascata hort. 0 A B 5 = 85, 2 8 4 8 < > A  
 E 8 1 @ 8 4 5 = ? @ > 8 7 E > 4. ! B 5 1; 0 B 0 A 0 4 > 1 5 A < 2 8 A > G 8 = 0, A 8 ; = 8, A  
 = 0 A > G 5 = 8 : J < 2 J @ E 0 7 J 1 G 5 B 0, 3 >; 8. & 2 5 B > 2 5 B 5 A 0 = 0 4 J; 3 8  
 F 2 5 B > = > A 8. 5 = 5 F 0 5 4 > 7 A < 2 4 8 0 < 5 B J @, ? ; > A J ..  
 5 = G 5; 8 A B G 5 B 0 B 0 A 0 B @ 8 J 3 J; = > O 9 F 5 2 8 4 = 8,  
 6 J; B 5 = 8 : 0 2 >- 7 5; 5 = 8, A = 0 ? @ 5 G = > @ 0 7 ? >; > 6 5 = 8 8 2 8 F 8 8  
 B > G : 8, A : 0 D O 2 8 7 0 > A B @ 5 = 8 2 @ J E G 5 B 0, @ 5 A = 8 G 5 A B 8 ? > : @ 0 O.

**4 @ > F 2 5 B = 0 ! B 0 ? 5 ; 8 0**                  (S. grandiflora Masson). ! 8 = > = 8 <: 2 ; 8 B 5 @ 0 B C @ 0 B 0  
 A 5 A @ 5 1 0 A J I > : 0 B > S. spectabilis Haw., 8 S. obscura N. E. Br. 0 A B 5 = 0 : 0 < 5 = 8 A B 8  
 ? > G 2 8, ? > ? ; 0 = 8 = A : 8 B 5 A : ; > = > 2 5 8 @ 5 G = 8 B 5 4 >; 8 = 8 = 0  
 . 6 = 0 D @ 8 : 0. = > 3 > 3 > 4 8 H = 8 A C : C; 5 = B = 8 @ 0 A B 5 = 8 O, 1 J @ 7 >  
 @ 0 7 ? @ > A B @ 0 = O 2 0 1 8 A 5 8 > 1 @ 0 7 C 2 0 1 8 B C D 8. ! B 5 1; 0 B 0 A 0  
 4- A B 5 = = 8, < J E 5 A B 8, A @ 0 4 : > @ 0 7 ? >; > 6 5 = 8 ? > 4 3 J = 0 B 8 = 0  
 2 J B @ 5 7 J 1 F 8. & 2 5 B > 2 5 B 5 A 0 ? > 1 2, 5 4 @ 8. 5 = 5 F 0 5 1 5 1 6 A < 2  
 4 8 0 < 5 B J @, ? ; > A J .. : > A < 0 B. 5 = G 5; 8 A B G 5 B 0 B 0 A 0 ; 0 = F 5 B = 8,  
 ? > 4 3 J = 0 B 8, ? > : @ 0 8 1 0 B 0 @ 5 A = 8 G 5 A B 8, 2 4 >; = 0 B 0 A 8 G 0 A B  
 7 5; 5 = 8 : 0 2 >- A 8 = 8, = 0 3 > @ 5 B J < = - > ? C @ ? C @ = 8 8 A J A A 8 2 8  
 2 ; 0 A 8 =: 8, = 0 A = > ? G 5 B 0, 0 < 5 6 4 C B O E A : J A 8 3 J A B 8 2 ; 0 A 8 =: 8.  
 & J D B 8 ? @ 5 7 ; O B > B >, F 2 5 B > 2 5 B 5 8 < 0 B A 8; = 0 < 8 @ 8 7 < 0 = 0  
 3 = 8 5 1 > < 5 A >. A 5 : 8 F 2 O B A 5 7 0 4 J @ 6 0 > B 3 4 > 5 4 = 8.

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!B @ 0 = 8 F 0 3/4

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**O A B >:**

@ 57 ; O B > B > B @ O 120 40 4 J @ 68 B 5 A B 0 ? 5 ; 8 O B 0 = 0 ; J 6 ; 8 2 0  
A O = : 0, 0 ? @ 57 4 J 6 4 > 2 => B > 2 @ 5 < 5 A 5 @ 0 4 2 0 B = 0 ; 5 B = 8 O 4 J 6 4,  
= > = 5 8 < 2 @ 5 4 O B 8 4 J ; 3 8 B 5 A C E 8 ? 5 @ 8 > 4 8. J 4 5 B > 8 < 0 F 2 O B  
B @ O 120 4 > 1 @ 5 4 0 A 5 7 0 A C H 8 7 5 < O B 0 ? @ 5 4 8 4 0 ? > ; 5 5 B 5.

**" 5 < ? 5 @ 0 B C @ 0 :**

B ? @ > ; 5 B B 0 4 > 5 A 5 = B 0 C < 5 @ 5 = 0 8 ; 8 2 8 A > : 0, > : > ; > 2 2 - 2 6 ° !.  
@ 57 5 A 5 = B 0 B 5 < ? 5 @ 0 B C @ 0 B 0 A 5 ? > = 8 6 0 2 0 4 > 1 5 ° !,  
@ 0 A B 5 = 8 5 B > A 5 ? > 4 3 > B 2 O 7 0 ? 5 @ 8 > 4 = 0 ? > : > 9. 8 = 8 < 0 ; = 0 B 0  
B 5 < ? 5 @ 0 B C @ 0 7 0 ? @ 5 7 8 < C 2 0 = 5 5 10 - 15 \* ! 8 = 8 : > 3 0 = 5 O  
8 7 ; 0 3 0 9 B 5 = 0 4 8 @ 5 : B = > A ; J = F 5.

**! 2 5 B ; 8 = 0 :**

/ @ : 0 @ 0 7 A 5 O = 0, @ 0 A B 5 = 8 O B 0 ? > = 0 A O B ? @ O : > A ; J = G 5 2 >  
> 3 @ O 2 0 = 5 A 0 < > ? @ 57 5 A 5 = B 0 8 7 8 < O B 0. : > @ 0 A B 5 = 8 5 B > A 5  
4 J @ 6 8 = 0 A ; J = G 5 2 > < O A B >, 2 = 0 9 - 3 > @ 5 1 8 B 5 > 1 5 4 = 8 G 0 A > 2 5  
? @ 57 ; O B > B >, < > 6 5 4 0 A 5 ? > O 2 O B 8 7 3 0 @ O = 8 O.

**> ; 8 2 0 = 5 :**

> ; 8 2 0 A 5 ? 5 A B 5 ; 8 2 > 8 ? > 2 J 7 < > 6 => A B A ? @ 5 A B > O ; 0 2 > 4 0.  
@ 57 7 8 < O B 0 ? > ; 8 2 0 = 5 B > A 5 A 2 5 6 4 0 4 > < 8 = 8 < C <. B < 0 @ B 4 >  
> : B > < 2 @ 8 - > 1 8 ; = >, ? @ 8 ? @ > A J E 2 0 = 5 = 0 3 > @ = 8 O A ; > 9 = 0  
A C 1 A B @ 0 B 0.

**; 0 6 => A B :**

> @ 0 4 8 0 D @ 8 : 0 = A : 8 O A 8 ? @ > 8 7 E > 4 A B 0 ? 5 ; 8 O B 0 > 1 8 G 0 B > ? ; 8 O  
8 A C E 2 J 7 4 C E. @ 57 8 7 < O B 0 > 1 0 G 5 F 2 5 B 5 B > B @ O 120 40 1 J 4 5 = 0  
E ; 0 4 = > < O A B >.

**" > @ 5 = 5 8 ? > 4 E @ 0 = 2 0 = 5 :**

B 0 ? @ 8 ; 4 > N ; 8 ? @ 57 B @ 8 A 5 4 < 8 F 8 3 > B > @ 5 B 5 A B 5 G 5 = B > @ A  
? @ 5 > 1 ; 0 4 0 2 0 I > A J 4 J @ 6 0 = 8 5 = 0 D > A D > @ - B > 2 0 7 0 A 8 ; 2 0  
F J 2 B 5 6 0. J < ? @ J A B B 0 2 5 4 = J 6 8 ; 8 4 2 0 ? J B 8 2 3 > 4 8 = 0 B 0  
? @ 8 1 0 2 5 B 5 ? 0 @ G 5 = F 0 4 J @ 2 5 = 8 2 J 3 ; 8 1 0 7 0 ? > - ? ; J B = 8 8  
A > G = 8 ; 8 A B 0 8 F 2 5 B G 5 B 0.

**@ 5 A 0 6 4 0 = 5 :**

; 0 4 8 B 5 @ 0 A B 5 = 8 O A 5 ? @ 5 A 0 6 4 0 B 5 6 5 3 > 4 = >, 2 J 7 @ 0 A B = 8 B 5  
? @ 57 4 2 5 3 > 4 8 = 8.

**0 7 < = > 6 0 2 0 = 5 :**

0 7 < = > 6 0 2 0 A 5 G @ 5 7 A < 5 = 0 8 ; 8 G @ 5 7 A B @ 0 = 8 G = 8 8 7 4 J = : 8. 0  
F 5 ; B 0 8 7 ? > ; 7 2 0 9 B 5 ? > G 2 5 = 0 A < 5 A : 0 > B 2 G 0 A B 8 - 1 G 0 A B  
3 @ 0 4 8 = A : 0 ? @ J A B 8 1 G 0 A B @ 5 G 5 = ? O A J :.

**> ; 5 A B 8 :**

0 3 = 8 2 0 = 5.

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!B @ 0 = 8 F 0 4/4

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**!J 2 5 B 8:**

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