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/ & " /

!B @ 0 = 8 F 0 1/3

& 8 = 5 @ 0 @ 8 O (!5 = 5 F 8 >) - Senecio cruentus

gradinar, = 5 4 5 ; O 04 O = C 0 @ 8 2015 - 17:01:10

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

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

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

& 8 = 5 @ 0 @ 8 O B 0 : 0 B > F O ; > 4 > A B 8 3 0 4 > 7 5 - 8 0 A 0 = B 8 < 5 B @ 0 2
3 @ 0 4 8 = A : 8 C A ; > 2 8 O. ! > @ B > 2 5 B 5 : > 8 B > A 0 A 0 : A 8 9 = 8 4 > A B 8 3 0 B
> B 10 - 1 5 A 0 = B 8 < 5 B @ 0 4 > 2 0 - 2 5 A 0 = B 8 < 5 B @ 0. (8 @ > G 8 = 0 B 0 = 0
@ 0 A B 5 = 8 5 B > 2 0 @ 8 @ 0 > B 2 5 4 > 4 5 - 5 0 A 0 = B 8 < 5 B @ 0.

B 3 ; 5 6 4 0 = 5 = 0 & 8 = 5 @ 0 @ 8 O B 0 :

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

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!B @ 0 = 8 F 0 2/3

" 5 < ? 5 @ 0 B C @ 0 7 0 & 8 = 5 @ 0 @ 8 O B 0:
> 1 @ 5 5 A @ 5 4 = 0 B 0 B 5 < ? 5 @ 0 B C @ 0 2 ? > < 5 1 5 = 8 5 B > 4 0 2 0 @ 8 @ 0 2
3 @ 0 = 8 F 8 B 5 = 0 1 8 - 2 1 3 @ 0 4 C A 0. " > 2 0 ? > 4 ? > < 0 3 0 C 4 J ; 6 0 2 0 = 5 B >
= 0 ? 5 @ 8 > 4 0 7 0 F J D B 5 = 5.

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

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

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

> G 2 0 7 0 & 8 = 5 @ 0 @ 8 O B 0:
> G 2 0 B 0 7 0 & 8 = 5 @ 0 @ 8 O B 0 A 5 ? @ 0 2 8 2 A ; 5 4 => B > A J > B => H 5 = 8 5:
1:1:1 - G 8 <> 2:0, ? O A J : 8 ; 8 A B > 2:0.

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

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

0 7 < = > 6 0 2 0 = 5 = 0 & 8 = 5 @ 0 @ 8 O B 0:
& 8 = 5 @ 0 @ 8 O B 0 A 5 @ 0 7 < = > 6 0 2 0 ? > 4 2 0 = 0 G 8 = 0 - G @ 5 7 A 5 < 5 = 0 8
2 5 3 5 B 0 B 8 2 => (? > A @ 5 4 A B 2 > < 4 5 ; 5 = 5 = 0 : > @ 5 = 8 1 0 B 0 8 ; 8
G @ 5 7 @ 5 7 = 8 F 8)

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!B @ 0 = 8 F 0 3/3

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

O : > 9 2 8 4 > 2 5 & 8 = 5 @ 0 @ 8 O :

- Senecio acaulis
- Senecio anteuphorbium
- Senecio bulbinefolius
- Senecio crassissimus
- Senecio greyi
- Senecio hallianus
- Senecio haworthii
- Senecio scaposus
- Senecio sempervivus
- Senecio serpens