

TH. W. J. GADELLA and E. KLIPHUIS: Chromosome numbers of some flowering plants collected in Surinam (Botanical Museum and Herbarium, Utrecht)

The chromosome numbers of 11 species, belonging to different families, are listed in this paper. The materials, kindly supplied by Dr. K. U. Kramer and W. H. A. Hekking, and by Dr. W. A. E. van Donselaar-ten Bokkel Huinink, were collected during their stay in Surinam, in 1960/1961 and 1958/1959 respectively.

The chromosome counts are based on the study of roottip-mitoses. The roots were fixed in Karpechenko, embedded in paraffin and sectioned at 15 μ , and stained according to Heidenhain's haematoxylin method. The species are listed in the table.

TABLE
The chromosome number of the investigated species

| Species | Family | 2n | Coll. no. | Origin of the material |
|--|--------------|----|------------------|----------------------------------|
| <i>Bromelia alta</i> L. B. Smith | Bromeliaceae | 48 | Kra. & Hek. 2791 | Domburg, Surinam **) |
| <i>Cyperus chalaranthus</i> Presl | Cyperaceae | 24 | Kra. & Hek. 2297 | Cultuurtuin, Paramaribo |
| <i>Fimbristylis miliacea</i> Vahl *) | Cyperaceae | 10 | Kra. & Hek. 2257 | Landsboerderij, Paramaribo |
| <i>Rhynchospora tenuis</i> Link | Cyperaceae | 10 | v. Dons. 10 | Lobin savanna |
| <i>Rhynchospora graminea</i> Uitt. | Cyperaceae | 13 | v. Dons. 11 | Lobin savanna |
| <i>Alloplectus coccineus</i> (Aubl.) Mart. var. <i>fusco-maculatus</i> Lwbg. | Gesneriaceae | 18 | Kra. & Hek. 2449 | Camp 8 **) |
| <i>Pennisetum purpureum</i> Schumacher cultivar Uganda *) | Gramineae | 56 | Kra. & Hek. 2274 | Cult. landsboerderij, Paramaribo |
| <i>Ischnosiphon leucophaeus</i> (Poepp. & Endl.) Koernicke | Marantaceae | 16 | Kra. & Hek. 2277 | Waneweg near Paramaribo |

| Species | Family | 2n | Coll. no. | Origin of the material |
|--|---------------|----|------------------|-----------------------------|
| <i>Nymphoides humboldiana</i> (H.B.K.) O.Ktze | Menyanthaceae | 36 | Kra. & Hek. 2544 | Zorg en Hoop, Paramaribo |
| <i>Alysicarpus vaginalis</i> (L.) DC. | Papilionaceae | 20 | Kra. & Hek. 2148 | Zorg en Hoop, Paramaribo |
| <i>Desmanthus virgatus</i> (L.) Willd. | Papilionaceae | 28 | Kra. & Hek. 2361 | Domburg, Surinam **) |

*) Chromosome number in accordance with literature.

***) Grown from seeds.

The species, marked with an asterisk, were studied before. The chromosome numbers of these species agrees with those reported in literature.

The number $2n = 13$ was found repeatedly in specimens of *Rhynchospora graminea* Uitt.