

Jindřich Chrtek & Bohumil Slavík

### Contribution to the flora of Cyprus. 3.

#### Abstract

Chrtek, J. & Slavík, B.: Contribution to the flora of Cyprus. 3. — Fl. Medit. 4: 9-20. 1994. — ISSN 1120-4052.

The third part of the results of a floristic investigation of Cyprus is presented, including 85 species. One species is new for Cyprus: *Saccharum spontaneum*. Two new combinations are made: *Bellevalia pieridis* and *Bromus scoparius* subsp. *chrysopogon*. 34 taxa are reported as new to some of the eight botanical divisions of Cyprus.

#### Introduction

This is a continuation of our contributions on gymnosperms and dicotyledons (Chrtek & Slavík 1981, 1993), and covers the monocotyledons and ferns as ordered and named in vol. 2 of *Flora of Cyprus* (Meikle 1985). The localities are arranged according to the botanical divisions 1-4 as delimited by Meikle (1977: 4-8). Following the localities are abbreviations of collectors' names (which also stand for the collecting period): C&S = J. Chrtek & B. Slavík in April 1978; N&N = R. Neuhäusl & Z. Neuhäuslová in August 1981; D = J. Dostál in April 1982; Č = Č. Číhalík in May 1984.

This contribution reports data on 85 species from 214 localities. One species (*Saccharum spontaneum* L.) is new to Cyprus. Two new combinations at the specific and subspecific ranks are given: *Bellevalia pieridis* (Holmboe) Chrtek & B. Slavík and *Bromus scoparius* subsp. *chrysopogon* (Viv.) Chrtek & B. Slavík. When one compares our localities with the distributions given in Meikle's flora, it appears that certain species are new to some of the four botanical divisions mentioned above. These include: thirteen taxa new for division No. 1 (*Juncus bufonius*, *Vulpia ciliata*, *Lolium rigidum*, *Poa bulbosa* var. *bulbosa*, *Poa annua*, *Parapholis incurva*, *Avena barbata*, *Avena wiestii*, *Polypogon monspeliensis*, *Lagurus ovatus*, *Hordeum bulbosum*, *Hordeum leporinum*, *Arundo donax*); one taxon added for division No. 2 (*Bromus fasciculatus* subsp. *delilei*), 13 taxa additional to division No. 3 (*Juncus bufonius*, *Arum hygrophilum*, *Arisarum vulgare*, *Vulpia ciliata*, *Psilurus incurvus*, *Sclerochloa dura*, *Poa bulbosa* var. *bulbosa*, *Avena barbata*, *Bromus diandrus*, *Bromus fasciculatus* subsp. *delilei*, *Bromus rubens*, *Hordeum spontaneum*, *Arundo donax*); and 7 supplementary taxa for division No. 4 (*Allium junceum* subsp. *junceum*, *Catapodium marinum*, *Cutandia maritima*, *Triplachne nitens*, *Oryzopsis miliacea*, *Bromus fasciculatus* subsp. *delilei*, *Crithopsis delileana*).

Additional records are given for some species reported by Meikle (1985) from one or a few localities only, including *Triplachne nitens*, *Crithopsis delileana*, and *Bromus fasciculatus*.

Details concerning the *Orchidaceae* and *Aegilops* are missing from the present contribution. Material of the *Orchidaceae* was sent to specialists on loan and has not been

returned. As for the rather copious material of *Aegilops*, containing at least four different taxa, we have failed to identify it reliably, even after a comparative study of revised herbarium specimens and literature.

### *Iridaceae*

#### *Gynandriris sisyrrinchium* (L.) Parl.

1. Paphos, several localities, C&S. - 4. Paralimni, calcareous rocky places between Pernera and Hagios Elias, D 41305, D 41306, D 41611.

#### *Crocus cyprius* Boiss. & Kotschy

2. In the neighbourhood of the highest hill resort Troodos, C&S 874; the summit area of Mt. Olympus, in *Pinus* forest, 1950 m, D 41383.

#### *Gladiolus italicus* Mill.

1. Neokhorio, Baths of Aphrodite, C&S 881; Paphos, cultivated field near the hotel Dionysos, C&S 925. - 4. Between Paralimni and Ayia Napa, rocky places, D 41764; Paralimni, shrubby places between Pernera and Sunrise, D 41516.

### *Agavaceae*

#### *Agave americana* L.

1. Paphos, waste place between Nea Paphos and Ktima, C&S.

### *Dioscoreaceae*

#### *Tamus communis* L.

3. Amathus, shrubby slope N. of the hotel Amathus, C&S 884. - 4. Rocky slope of Table Mountain W of Paralimni, D 41897; stony places between Paralimni and Hagios Elias, D 41925.

We agree with Meikle that *Tamus communis* cannot be divided into two subspecies (subsp. *communis* and subsp. *cretica* (L.) K. Tan, as done for Cyprus by Tan (in Davis 1984: 552-554).

### *Liliaceae*

#### *Asparagus acutifolius* L.

3. Limassol, orange orchard W of the town, C&S 974, 975. - 4. Paralimni, calcareous slopes of Hagios Elias near Pernera, D 41318.

#### *Asparagus stipularis* Forssk.

1. Paphos, Christian Catacombs, C&S 908, 965. - 4. Table Mountain between Paralimni and Ayia Napa, D 41630, D 41631.

#### *Asphodelus aestivus* Brot.

1. Neokhorio, Baths of Aphrodite, on grassy slopes, C&S 778; Paphos, near Rock of Dighenis, C&S. - 2. Kykko monastery, mountain slopes, D 41926, D 41927. - 3. Amathus, road-side near the hotel Amathus, C&S.

***Gagea villosa*** (M. Bieb.) Duby

2. Kykko monastery, mountain slopes, 1200 m, *D* 41324; Mt. Olympus, *Č* 13.

***Gagea graeca*** (L.) A. Terracc.

1. Neokhorio, Baths of Aphrodite, rocky slopes, *C&S* 827.

***Allium neapolitanum*** Cyr.

1. Paphos, grassy places by the hotel Dionysos, *C&S* 918. - 3. Amathus, dry slope N. of the hotel Amathus, *C&S* 939. - 4. Shrubby places near Hagios Elias between Paralimni and Ayia Napa, *D* 41667; seashore near Ayia Napa, *D* 41196.

***Allium trifoliatum*** Cyr.

3. Temple of Apollo near Episkopi, *C&S* 847; Amathus, grassy slopes N of the hotel Amathus, *C&S* 877. - 4. Shrubby places between Pernera and Sunrise near Paralimni, *D* 41513; calcareous stony places at the foot of Table Mountain near Paralimni, *D* 41455.

***Allium ampeloprasum*** L.

4. Larnaca, edges of cultivated fields, *Č* 39.

***Allium junceum*** Sm. subsp. *junceum*

1. Paphos, Tombs of the Kings, *D* 41868. - 4. Paralimni, on rocky slopes of Table Mountain, *D* 41842, *D* 41844, *D* 41845, *D* 41846.

***Allium rubrovittatum*** Boiss. & Heldr.

4. Paralimni, rocky place between Hagios Elias and Table Mountain, *D* 41187.

***Ornithogalum pedicellare*** Boiss. & Kotschy

1. Neokhorio, Baths of Aphrodite, grassy place, *C&S* 851.

***Ornithogalum chionophilum*** Holmboe

2. Kykko monastery, mountain slopes, *D* 41932; Mt. Olympus, *Č* 42.

***Ornithogalum narbonense*** L.

3. Amathus, grassy slope N. of the hotel Amathus, *C&S* 823. - 4. Sandy seashores near Sunrise between Paralimni and Cape Greco, *D* 41168, *D* 41169; fallow fields near Pernera between Paralimni and Dherinia, *D* 41702, *D* 41717; rocky places between Paralimni and Ayia Napa, *D* 41750.

***Urginea maritima*** (L.) Baker

1. Paphos, rocky places near the lighthouse, *C&S obs.* &; Paphos, seashore E of the town, *C&S obs.*

***Bellevalia trifoliata*** (Ten.) Kunth

1. Neokhorio, Baths of Aphrodite, rocky slopes, *C&S* 882. - 4. Rocky and shrubby places between Hagios Elias and Table Mountain near Paralimni, *D* 41174.

***Bellevalia pieridis*** (Holmboe) Chrtek & B. Slavík, comb. nov. *Hyacinthus pieridis* Holmboe in Bergens Mus. Skr., ser. 2, 1(2): 51 (1914).

1. Paphos, seashore by Tombs of the Kings, C&S 836. - 4. Paralimni, seashore near Perna in the direction of Famagusta, D 41233.

Meikle (1985: 1642-1643) relegated *Hyacinthus pieridis* to the synonymy of *Bellevalia nivalis* Boiss. & Kotschy without comment. According to the original description by Holmboe (1914), *H. pieridis* differs in several morphological characters and ecology. Our plants correspond to the characters of *H. pieridis*: a plant of lower altitudes, leaves 3-6 mm wide, with 12-18 veins, inflorescence few-flowered, with 4-8 flowers, fruit stalks at most 2.5 mm long. We have compared our material with the type specimen of *B. nivalis* ("Th. Kotschy, Iter Syriacum 1855, No. 58, in humo argilloso ad nives alpium Manschura alt. 6 500 ped."). This plant differs conspicuously from our Cyprus material in having a thin inflorescence and strikingly long bracts (up to 9 x 3 mm). Authors merging these two species under *B. nivalis* within the Cyprian-Syrian distribution area (Feinbrun 1938-1940, Bothmer & Wendelbo 1981, Meikle 1985) were puzzled by the different altitudinal distribution, high alpine in Syria and lowland (predominantly in Cyprus). In our opinion, plants from lower altitudes of Cyprus are indeed different from high alpine Syrian populations, referred to *Bellevalia nivalis* but further field studies of both Cyprian and Syrian plants are required. The taxonomy of populations from the highest altitudes of the Troodos Mts. in Cyprus remains uncertain.

***Muscari comosum* (L.) Mill.**

3. Amathus, grassy slope N of the hotel Amathus, C&S 926, 927. - 4. Stony places at the foot of Table Mountain near Paralimni, D 41437; field near Perna between Paralimni and Dherinia, D 41693; sandy seashore near Sunrise between Paralimni and Cape Greco, D s.n.

***Juncaceae***

***Juncus acutus* L.**

1. Paphos, waste land between the hotel Dionysos and the lighthouse, C&S 797.

***Juncus bufonius* L.**

1. Paphos, moist depression between the hotel Dionysos and the lighthouse, C&S 712. -  
3. Moutayiaka, roadside S of the village between the hotel Amathus and the river Yermasoyia, C&S 839.

Meikle (1985: 1656) reports this species only from Region 2 (Troodos) at 3,600-5,000 ft. altitude, but notes that it may be commoner than it would appear. Our two localities from about 10-20 m above sea level indicate that this circumpolar species is spreading at lower altitudes on Cyprus.

***Juncus hybridus* Brot.**

4. Paralimni, Table Mountain, D 41851.

Based on a study of the Israeli flora, Feinbrun-Dothan (1986: 146) assumes that this is merely a variety of *J. bufonius* L. (var. *congestus* Wahlberg).

**Araceae****Arum hygrophilum** Boiss.

3. Moutayiaka, shrubs on roadside S of the village, C&S 843.

**Arisarum vulgare** Targ.-Tozz.

1. Neokhorio, Baths of Aphrodite, shrubs, C&S 979; Paphos, waste place near Rock of Dighenis, C&S: - 3. Yermasoyia, shrubs on the banks of the river Yermasoyia S of the village, C&S obs.

**Cyperaceae****Cyperus laevigatus** L.

1. Neokhorio, Baths of Aphrodite, C&S 888.

**Scirpoides holoschoenus** (L.) Soják

1. Akhelia, streamsides of the river Ezousas SW of the village, C&S 866. - 3. Limassol, streamsides of the river Yermasoyia near the hotel Miramare, C&S 949.

**Schoenus nigricans** L.

1. Neokhorio, Baths of Aphrodite, C&S 982.

**Carex distans** L.

1. Neokhorio, Baths of Aphrodite, C&S 955.

**Carex halleriana** Asso

3. Amathus, grassy slope N of the hotel Amathus, C&S 959.

**Gramineae****Briza maxima** L.

1. Paphos, Tombs of the Kings, C&S 909; Akhelia, stony places on the bank of the river Ezousas SW of the village, C&S 995. - 4. Rocky slopes of the hill with the chapel Hagios Elias, D 41590; Paralimni, at the foot of Table Mountain, D 41442.

**Catapodium marinum** (L.) C. E. Hubb.

4. Paralimni, seashore near Pernera in the direction of Famagusta, D 41258.

**Catapodium rigidum** (L.) C. E. Hubb.

1. Akhelia, grassy places on the bank of the river Ezousas SW of the village, C&S 977. - 4. Paralimni, seashore near Pernera in the direction of Famagusta, D sine no.

**Cutandia maritima** (L.) Richter

4. Paralimni, pasture ground near the hotel Sunrise, D 41282, D 41283, D 41287.

**Cynosurus elegans** Desf.

2. Cedars Valley, C 47.

***Dactylis glomerata* L.**

3. Amathus, grassy slope N of the hotel Amathus, C&S 921. - 4. Paralimni, rocky slope of Table Mountain W of the town, D 41885, D 41886, D 41887.

***Vulpia myuros* (L.) C. C. Gmel.**

2. Kykko monastery, waste place, D 41342, D 41376.

***Vulpia ciliata* Link**

1. Paphos, in ruins Saranda Kolones, C&S 828; Paphos, waste place near Rock of Dighenis, C&S 857. - 3. Amathus, grassy slope N of the hotel Amathus, C&S 798.

***Lolium rigidum* Gaud.**

1. Paphos, stony place in a field near the lighthouse, C&S 834. - 3. Temple of Apollo near Episkopi, C&S 862, 863; Yermasoyia, on the banks of the river Yermasoyia S of the village, C&S 826. - 4. Larnaca, seashore near the airport, C&S 998; Paralimni, Table Mountain, D 41449, D 41861, D 41862; roadside between Pernera and Hagios Elias, D 41304; Hagios Elias, rocky place, D 41595; Pernera, edges of fields, D 41783; seashore near Sunrise between Paralimni and Ayia Napa, D 41161; seashore between Dherinia and Paralimni, D 41556; Larnaca, edges of cultivated fields, Č 07.

***Psilurus incurvus* (Gouan) Schinz & Thell.**

3. Amathus, grassy slope N of the hotel Amathus, C&S 784.

***Sclerochloa dura* (L.) P. Beauv.**

3. Moutayiaka, roadside near the village, C&S 890.

***Poa bulbosa* L. var. *bulbosa***

1. Ayios Neophytos, waste place near the monastery, C&S 842. - 2. Pano Panaia, roadside near the village, C&S 854. - 3. Amathus, hill NE of the hotel Amathus, C&S 889.

***Poa bulbosa* var. *vivipara* Koeler**

2. Kykko monastery, 1200 m, D 41338, D 41339, D 41340, D 41341; Kakopetria, Solea valley, 650 m, D 41398; Pedhoulas, shrubby slope, D 41414, D 41415; Cedars Valley, Č 27.

***Poa annua* L.**

1. Roadside between Paphos and the river Ezousas, C&S 719. - 2. Kato Platres, in the village, C&S 773; Kykko monastery, D 41378. - 3. Yermasoyia, stream bed of the river Yermasoyia S of the village, C&S obs.

***Poa infirma* Kunth**

1. Paphos, edges of cultivated fields near Temple of Apollo, C&S 846; Ayios Neophytos, waste place near the monastery, C&S 830.

***Parapholis incurva* (L.) C. E. Hubb.**

1. Paphos, between the town and the river Ezousas, C&S 912. - 4. Seashore S of Pernera, D 41269, D 41271, D 41577, D 41582; seashore N of Pernera between Dherinia and Paralimni, D 41268, D 41559; Table Mountain, D 41855.

***Avena barbata*** Pott ex Link

1. Paphos, waste place near the harbour, C&S 894; Akhelia, streamsides of the river Ezousas SW of the village, C&S 907. - 2. Pedhoulas, shrubby slope, D 41411, D 41417, D 41418. - 3. Yermasoyia, streamsides of the river Yermasoyia S of the village, C&S 808. - 4. Paralimni, fields near the hotel Sunrise, D 41299, D 41300.

***Avena ludoviciana*** Durieu

3. Amathus, grassy slope N of the hotel Amathus, C&S (S 658a). - 4. Paralimni, fields near the hotel Sunrise, D 41301; fields near Pernera between Paralimni and Dherinia, D 41542; Paralimni, rocky place on the foot of the hill with the chapel Hagios Elias, D 41601; Larnaca, edges of cultivated fields, Č 36.

***Avena wiestii*** Steud.

1. Paphos, Tombs of the Kings, C&S 870; Paphos, waste place near the hotel Dionysos, C&S 942. - 3. Amathus, roadside E of the hotel Amathus, C&S 961.- 4. Fields near Pernera between Paralimni and Dherinia, D 41710, D 41729.

***Arrhenatherum album*** (Vahl) W. D. Clayton

2. Pedhoulas, shrubby slope, D 41412.

***Lophochloa berythea*** (Boiss. & Blanche) Bor

1. Paphos, waste place near the harbour, C&S 848; Paphos, christian catacombs, C&S 829; Paphos, weed in a field N of Paphos Beach Hotel, C&S 800; Akhelia, streamsides of the river Ezousas SW of the village, C&S 928.

***Lophochloa cristata*** (L.) Hyl.

3. Kophinou, denudated hillside, D 41873. - 4. Paralimni, seashore near Pernera in the direction of Famagusta, D 41248.

***Phalaris minor*** Retz.

1. Akhelia, streamsides of the river Ezousas SW of the village, C&S 895. - 4. Larnaca, edges of cultivated fields, Č 21.

***Polypogon maritimus*** Willd.

4. Paralimni, Table Mountain, D 41633, D 41850, D 41852.

***Polypogon monspeliensis*** (L.) Desf.

1. Paphos, roadside S of the hotel Paphos, N&N (No. S 1168a).

***Triplachne nitens*** (Guss.) Link

4. Paralimni, seashore between Pernera and Dherinia, D 41216; Paralimni, pasture ground near the hotel Sunrise, D 41284, D 41285, D 41286.

Meikle (1985: 1788) reports this species only from two localities in Region 8 (both from 1880).

***Lagurus ovatus*** L.

1. Paphos, in cultivated fields near the lighthouse, C&S 899. - 4. Stony seashore S of Pernera, D 41572.

***Stipa capensis* Thunb.**

1. Paphos, grassy slope near the hotel Dionysos, C&S 970; Paphos, christian catacombs, C&S 981; Paphos, near Rock of Dighenis, C&S 885. - 3. Amathus, grassy slope N of the hotel Amathus, C&S 993. - 4. Larnaca, seashore near the airport, C&S 997; fallow fields near Pernera between Paralimni and Dherinia, D 41691; Paralimni, rocky place on the foot of the hill with the chapel Hagios Elias, D 41591, D 41603, D 41604, D 41820; Paralimni, stony place at the foot of Table Mountain, D 41445.

***Oryzopsis miliacea* (L.) Aschers. & Schweinf.**

1. Paphos, waste place between Nea Paphos and Ktima, C&S 933, 936. - 3. Amathus, grassy slope N of the hotel Amathus, C&S 971. - 4. Paralimni, rocky place between Hagios Elias and Table Mountain, D 41175.

***Bromus arvensis* L.**

4. Stony place between Paralimni and Hagios Elias, D 41922.

***Bromus diandrus* Roth subsp. *diandrus***

1. Paphos, Christian Catacombs, C&S 947. - 3. Yermasoyia, edge of dried-up stream bed of the river Yermasoyia S of the village, C&S 944; Amathus, grassy slope N of the hotel Amathus, C&S 910.

Our plants had a lax, spreading panicle, branches mainly longer than spikelets, scar of rachilla segments oval and anthers 1.0-1.4 mm.

***Bromus diandrus* Roth subsp. *rigidus* (Roth) Bol. & al.**

4. Paralimni, edges of fields near Pernera, D 41784; seashore between Pernera and Dherinia, D 41217; rocky place on the foot of the hill with the chapel Hagios Elias, D 41605, D 41606, D 41607.

Our plants had a contracted, stiffly erect panicle, panicle branches mainly shorter than spikelets, scar of rachilla segments elliptic and anthers 1.0-1.4 mm long.

When identifying *Bromus rigidus* and *B. diandrus*, we encountered some difficulties because of the variation found in both species and of discrepancies in anther length as given in various floras. This character is often described in a contradictory way, and is rarely found in keys. For instance, Meikle (1985: 1800) reports anthers 0.8-1.5 mm long in *B. diandrus*, while Smith (in Davis 1985: 292) gives 2-5 mm. *B. rigidus* should have anthers up to 5 mm according to Meikle (1985: 1802) but only 1 mm according to Smith. In a recent paper on *Bromus* (Sales 1993: 8), the length of anthers, as used in the key, is 0.7-5.9 mm in *B. diandrus* and up to 0.7 mm in *B. rigidus*. Sales considers the two species to be merely varieties, *B. diandrus* var. *diandrus* and var. *rigidus* (Roth) Sales. We prefer their treatment at the subspecific level.

***Bromus fasciculatus* subsp. *delilei* (Boiss.) H. Scholz**

2. Kykko monastery, Č 32. - 3. Amathus, grassy slope N. of the hotel Amathus, C&S 996. - 4. Paralimni, shrubby place between Pernera and Sunrise, D 41514, D 41515; seashore between Dherinia and Paralimni N. of Pernera, D 41535.

Meikle (1985: 1802-1803) reports only *Bromus fasciculatus* var. *fasciculatus*, in which all parts of the spikelet are glabrous (one locality, Lakovounara Forest, in division 7, in

the Turkish part of Cyprus). He states that *B. fasciculatus* var. *alexandrinus* Thell., in which the parts of the spikelet are hairy, has not yet been collected in Cyprus. However, our material contains one specimen with conspicuously hairy spikelets (no. 41535). Scholz (1987) studied this species in detail and arrived at the conclusion that it can be divided into two subspecies, *B. fasciculatus* subsp. *fasciculatus* and subsp. *delilei*. He included var. *alexandrinus* in subsp. *fasciculatus*. Sales (1993) does not recognize any subspecific taxa in this species. According to Scholz's conclusions, all our material belongs to *B. fasciculatus* subsp. *delilei* (lemma callus, abscission scar on the rachilla internode, leaf sheaths hairs) which is so far known from Egypt, Israel, Jordan and Syria. We compared our plants with some specimens cited by Scholz, including the lectotype (Egypt, Wadi Hamata, 12 Apr 1880, G. Schweinfurth 456). All plants of the lectotype have conspicuously patent, hairy spikelets which are also present in our collection no. 41535. The other collections from our three localities in Cyprus are only appressed-hairy (hairs short).

***Bromus lanceolatus* var. *lanuginosus* (Poir.) Dinsm.**

4. Seashore between Dherinia and Paralimni N of Pernera, D 41551, D 41552; Larnaca, edges of cultivated fields, Č 43.

***Bromus madritensis* L. var. *madritensis***

2. Pedhoulas, shrubby slope, D sine no.; Kykko monastery, 1200 m, D 41342d, D 41345, D 41346, D 41379, D 41380; Cedar Valley, Č 29.

***Bromus madritensis* var. *ciliatus* Guss.**

1. Paphos, christian catacombs, C&S 972.

***Bromus rubens* L.**

3. Amathus, hill NE of the hotel Amathus, C&S 913 (spikelets hairy). - 4. Larnaca, seashore near the airport, C&S 906 (spikelets hairy); Paralimni, rocky slopes of Table Mountain, D 41900 (spikelets glabrous); shrubby place on the foot of the hill with the chapel Hagios Elias, D 41592a (spikelets glabrous).

***Bromus scoparius* subsp. *chrysopogon* (Viv.) Chrtek & B. Slavík, comb. & stat. nov. *Bromus chrysopogon* Viv., Fl. Lib. Specim.: 4. 1824.**

1. Paphos, road-side between hotel Dionysos and Paphos Beach Hotel, C&S 901; Akhelia, streamside of the river Ezousas SW of the village, C&S 931. - 3. Yermasoyia, edge of dried-up stream bed of the river Yermasoyia S of the village, C&S 983. - 4. Larnaca, seashore near the airport, C&S 994; Paralimni, rocky slopes of the hill with the chapel Hagios Elias, D 41461, D 41592; between Paralimni and Hagios Elias, D 41920, D 41921, D 41923.

All our specimens, from six localities in different parts of Cyprus, correspond by their characters to *Bromus chrysopogon*. This was studied and evaluated in detail by Scholz (1974); and is widespread in northern Africa from Algeria to Egypt, in the Near East in Asia Minor, Greece and some Mediterranean islands. It has been reported from Cyprus as *B. szaboi* by Péntzes, based on *Sintenis & Rigo 367*. Scholz (1974) merged *B. szaboi* with *B. chrysopogon*. In a subsequent paper, Scholz (1989) referred one more specimen from Cyprus (*Kneucker 526*) to *B. chrysopogon*. Meikle (1985) divided *B. scoparius* L. into two varieties (var. *scoparius* and var. *hirtulus* Regel); in a note under the first variety, he stated that some plants from Cyprus may be identified as *B. scoparius* var. *stenanthus*

Stapf, a synonym of *B. chrysopogon*. However, according to Meikle, the variety is hardly more than a favourable habitat state of typical *B. scoparius*. Based on our study of herbarium material of the *B. scoparius* complex, we accept *B. chrysopogon* as a subspecies of *B. scoparius*, defined by its morphology and geographical distribution, but not a separate species. All material from Cyprus seen by us corresponds to *B. scoparius* subsp. *chrysopogon*. We found no specimens of subsp. *scoparius*, either in the field or in the herbaria. Scholz (1989) arrived at a similar conclusion for the Aegean islands Rhodos and Symi.

***Bromus alopecuroides* Poir. var. *alopecuroides***

3. Amathus, grassy slope N of the hotel Amathus, C&S 991.

***Bromus sterilis* L. var. *sterilis***

2. Kykko monastery, c. 1200 m, D 41331.

***Bromus tectorum* L.**

2. Kykko monastery, waste place, c. 1200 m, D 41342b.

***Trachynia distachya* (L.) Link**

3. Yermasoyia, edge of dried-up stream bed of the river Yermasoyia S of the village, C&S 940; Amathus, foot of the hill NE of the hotel Amathus, C&S 887. - 4. Larnaca, seashore near the airport, C&S 992; Paralimni, rocky slope of Table Mountain, D 41880.

***Crithopsis delileana* (Schult.) Roschevitz**

4. Paralimni, shrubby place between Pernera and Sunrise, D 41520; rocky slope of Table Mountain, D 41853, D 41899; field near Pernera between Paralimni and Dherinia, D 41670, D 41708, D 41714.

***Taeniatherum crinitum* (Schreb.) Nevski**

2. Kykko monastery, D 41342a.

***Hordeum bulbosum* L.**

1. Paphos, waste place near Rock of Dighenis, C&S 868. - 3. Amathus, grassy slope N of the hotel Amathus, C&S 859. - 4. Paralimni, rocky slope at the foot of the hill with the chapel Hagios Elias, D 41593, D 41594, D 41596, D 41597; Larnaca, edges of cultivated fields, C 08.

***Hordeum glaucum* Steudel**

4. Seashore between Dherinia and Paralimni N of Pernera, D 41541.

***Hordeum leporinum* Link**

1. Paphos, waste place near Rock of Dighenis, C&S 893; Paphos, Tombs of the Kings, C&S 919; Akhelia, streamside of the river Ezousas SW of the village, C&S 704.

***Hordeum spontaneum* K. Koch**

3. Amathus, grassy slope N of the hotel Amathus, C&S 749.

***Arundo donax* L.**

1. Paphos, near christian catacombs, *C&S obs.*; Akhelia, seashore near the mouth of the river Ezousas SW of the village, *C&S obs.* - 3. Yermasoyia, edge of dried-up stream bed of the river Yermasoyia S of the village, *C&S obs.*

***Phragmites australis* (Cav.) Trin. ex Steud.**

3. Yermasoyia, on stream bed of the river Yermasoyia S of the village, *C&S obs.*

***Cynodon dactylon* (L.) Per.**

4. Larnaca, seashore, *C 11.*

***Andropogon distachyos* L.**

3. Amathus, grassy slope N of the hotel Amathus, *C&S 985.*

***Hyparrhenia hirta* (L.) Stapf**

1. Paphos, dry brook bed N of the Paphos Beach Hotel, *C&S 976*; Akhelia, dry sandy bank of the river Ezousas SW of the village, *C&S 708.* - 4. Rocky slope of the hill with the chapel Hagios Elias, *D 41490, D 41491, D 41608*; Paralimni, Table Mountain, *D 41849, D 41864*; fields near Pernera between Paralimni and Dherinia, *D 41676, D 41707, D 41713*; between Pernera and Hagios Elias, *D 41609, D 41610*; Larnaca, edges of cultivated fields, *C 20.*

***Saccharum spontaneum* L.**

3. Yermasoyia, edge of dried-up stream bed of the river Yermasoyia near the hotel Miramare, *C&S 963.*

***Adiantaceae******Adiantum capillus-veneris* L.**

1. Neokhorio, Baths of Aphrodite, *C&S obs.*

***Dennstaedtiaceae******Pteridium aquilinum* (L.) Kuhn**

2. Prodhromos, Pine forest, *C&S obs.*

**Acknowledgements**

We express our gratitude to Prof. Dr. J. Dostál (Praha) for his kind loan of herbarium material collected in Cyprus in 1982. Thanks are also due to Dr. Č. Číhalík (Olomouc), who placed some interesting herbarium specimens collected in Cyprus in 1984 at our disposal.

**References**

- Bothmer, R. & Wendelbo, P. 1981: Cytological and morphological variation in *Bellevalia*. — *Nordic J. Bot.* **1**: 4-11.  
 Chrtěk, J. & Slavík, B. 1981: Contribution to the flora of Cyprus. — *Preslia* **53**: 45-65.  
 — & — 1993: Contribution to the flora of Cyprus. 2. — *Fl. Medit.* **3**: 239-259.  
 Davis P. H. 1984, 1985: Flora of Turkey, **8, 9**. — Edinburgh.

- Feinbrun, N. 1938-1940: A monographic study on the genus *Bellevalia* Lapeyr. — Palest. J. Bot., Jerusalem ser. 1: 42-54, 131-142, 336-409.
- Feinbrun-Dothan, N. 1986: Flora palaestina, 4. — Jerusalem.
- Holmboe, J. 1914: Studies on the vegetation of Cyprus. — Bergens Mus. Skr. ser. 2, 1(2): 1-344.
- Meikle, R. D. 1977, 1985: Flora of Cyprus, 1, 2. — Kew.
- Scholz, H. 1974: *Bromus chrysopogon* Viviani - eine wieder als Art bewertete Graminee aus dem Mittelmeergebiet. — Willdenowia 7: 409-413.
- 1987: Delimitation and classification of *Bromus fasciculatus* (Poaceae).- Pl. Syst. Evol. 155: 277-282.
- 1989: Floristisches und Taxonomisches über einige *Gramineae* von Rhodos und Symi (Ost-Ägäis, Griechenland). — Willdenowia 19: 105-110.
- Sales, F. 1993: Taxonomy and nomenclature of *Bromus* sect. *Genea*. — Edinburgh J. Bot. 50: 1-31.

Addresses of the authors:

Dr. J. Chrtek, Department of Botany, National Museum, CZ-252 43 Průhonice near Praha, Czechia.

Dr. B. Slavík, Institute of Botany, Academy of Sciences, CZ-252 43 Průhonice near Praha, Czechia.