or glabrescent ; tepals 4, *ca* 2 × 1 mm, ovate-lanceolate, glabrous inside, puberulous outside ; stamens *ca* 15, up to 1 mm long ; anther cells globose, divaricate, one at each end of a dilated connective. Female flowers yellowish, fasciculate ; peduncles 5-15 cm long ; tepals 3, *ca* 1 mm long, ovate, acute. Capsules *ca* 12 mm in diam., depressed-globose, 3-locular, smooth, pale greyish ; seeds *ca* 4 mm in diam., ochraceous.

Fl. & Fr. : November-May.

Distribution : India (Andaman and Nicobar Islands)-Endemic.

Ecology : Scattered in the inland and littoral forests from sea level to an altitude of *ca* 1000 m.

Specimens examined : INDIA : South Andamans, Mount Harriet, 2.2.1990, *Sam P. Mathew* 20566 ♂ (PBL). North Nicobars, Nancowry Island : Malacca, 25.5.1977, *N. Bhargava* 5097 ♂ (PBL). South Nicobars, Great Nicobar Island : Campbell Bay forest behind Marine quarters, 7.5.1984, *T. Chakraborty* 10298 ♂ & 10299 ♀ (PBL) ; Galathea river mouth, 28.11.1978, *N. G. Nair* 7124 ♂ (PBL) ; Laful, 12.5.1980, *D. K. Hore* 7579 ♀ (PBL) ; Lakshman Beach, 30.11.1975, *P. Chakraborty* 3220 ♂ & 7.5.1984, *T. Chakraborty* 10296 ♂ (PBL) ; 32 km on N-S Road, 4.5.1984, *T. Chakraborty* 10253 ♂ & 10254 (PBL).

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SAM P. MATHEW
AND
P. LAKSHMINARASIMHAN
Botanical Survey of India, Port Blair

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A NOTE ON THE OCCURRENCE OF *ARUNDINELLA BENGALENSIS* (SPRENG.) DRUCE IN J. & K. STATE

During the course of botanical exploration to Udhampur District (J & K) in connection with the floristic and ethnobotanical studies, a species of *Arundinella* Raddi was collected alongwith many other plants. The study of literature and herbarium specimens confirmed it to be *Arundinella bengalensis* (Spreng.) Druce, a species hitherto unreported from Jammu and Kashmir and thus forms a new record for its occurrence from the state.

The characteristic feature of *A. bengalensis* (Spreng.) Druce, which differentiates it from other species of *Arundinella* is its cylinderical panicle with speciform branches.

A brief description of the plant is provided herewith for identification and further collection. Herbarium sheet of specimen is deposited at DD for preservation.

Arundinella bengalensis (Spreng.) Druce in Rep. Bot. Exchng. Club Brit. Isles 605.

1916 ; Bor in Kew Bull. 1955. 400. 1955 ; Raizada in Ind. For Rec. (Bot.) 4 : 95. 1954 ; Bor, Grasses Burma, Ceyl. Ind. Pak. 421. 1960 ; Raizada, Grasses of Upp. Gang. Plain Pt. III. Pooideae. 19. 1983. *Panicum bengalense* Spreng., Syst. Veg. 1. 311. 1825. *Arundinella wallichii* Nees ex Steud., Hook. f., Fl. Brit. India 7 : 75. 1896 ; Haines, Bot. Bih. & Ori. 2 : 984. 1924.

Perennial herbs. Culms stout, upto 1 m tall. Leaves 30-45 cm long, lanceolate acuminate. Sheaths loose. Ligule a ridge of hairs. Panicle elongate, erect ; branches 2-3 cm long, spiciform. Spikelets 3-4 seriate, ovoid, secund, densely imbricate, stoutly pedicelled ; rhachis angled and scabrid. Glume I ± 2.5 mm long, ovate-acute, scabrid on the nerves ; glume II ± 3 mm long, broadly lanceolate, hairy on the nerves. Lower lemma male, oblong obtuse. Palea narrowly oblong, hyaline. Upper lemma hermaphrodite, ± 2 mm long, scabrid, oyate, shortawned. Callus very shortly bearded. Stamens 3.

Fl. & Fr. : August-November.

Specimen examined : J. & K. : Ghordi-Village, Udhampur, 5.10.1986, *Ajai Swami* 1401. Uttar Pradesh : Kumaun, 4.10.1957, *T. A. Rao* 4760/7580 (BSD) ; Phulai (Corbett National Park), 16.11.1970, *P. C. Pant* 43258/53951 (BSD) ; Almora, 13.10.1975, *J. N. Vohra* 57890/69634 (BSD) ; Dehra Dun, *C. R. Babu* 33397 (BSD). North East India : Shillong, Sept. 1937, *N. L. Bor* 15525/76154 ; (DD) ; Ghuniya-Assam, 11.9.1942, *N. L. Bor* 16332/94714 (DD).

Ecological notes : Rare, in damp and shady places, in fields and waste places.

Distribution : J. & K., Uttar Pradesh, Meghalaya, Assam, W. Bengal, Parasnath, Bihar, Burma, South-East Asia.

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AJAI SWAMI
Botany Department,
Chinmay Degree College, Haridwar

AND

B. K. GUPTA
Department of Botany,
D.A.V. (P.G.) College, Dehra Dun

ADDITIONS TO THE FLORA OF PUNJAB STATE, NORTH WEST INDIA

While compiling the 'Flora of Gurdaspur District' of Punjab State (Bir & Singh 1989 ; Bir *et al.* 1991) worked out under the Botanical Survey of India 'District Flora Scheme', examination of herbarium material at BSD revealed the collection of following species from the District. These have not been included by Sharma (1990) in his 'Punjab Plants : Check-list' These are reported here as New Additions to the region.

PAPILIONACEAE

Desmodium heterocarpon (Linn.) DC.

A perennial herb in the hilly-tract.

Fl. & Fr. : August-December.