**Dendrobium Lorrie Mortimer, UH1577**

A tetraploid plant of *Dendrobium* Samarai (*D. stratiotes x D. antennatum*) arose spontaneously among diploid offspring. This tetraploid selection, K1315-60, has two sets of chromosomes each of *D. stratiotes* and *D. antennatum* and produces flower parts that are slightly broader and of heavier substance than those of its diploid counterpart.

K1315-60 was crossed on February 27, 1995, to amphidiploid *D. Caesar*, the parent plant of the seed-propagated cultivar *D. Lim Chong Min* (UH1382) released earlier. Seeds were germinated in June 1995, and most of the seedlings began to flower about 27 months later. The flowers of the cross (UH1577) are light lavender (RHSCC 81D), in contrast to the purple (RHSCC 81A) flowers of *D. Caesar* and the white-green flowers of *D. Samarai*. The lavender color often fades with age, resulting in yellow-green petals and slightly variable colors within the same plant. The broad mid-lobe of the lip is light purple with dark purple veins. The petals of UH1577 are upright and twisted 180° and are light purple on a yellow-green base. The majority of the flowers were produced between December and May and lasted three to four months on the plants (see chart). Because of the long life of the flowers, the plants remained attractive through June and July despite the scarcity of new blooms during these months.

*H. Kamemoto, A. R. Kuethne, and T. D. Amore
Department of Horticulture*

**Characteristics of Dendrobium Lorrie Mortimer**

(Linear measurements in inches)
- **Flower length**: 2.8 ± 0.2
- **Petal length**: 1.9 ± 0.2
- **Petals width**: 1.2 ± 0.2
- **Dorsal sepal length**: 1.1 ± 0.1
- **Dorsal sepal width**: 0.4 ± 0.1
- **Pedicel length**: 1.0 ± 0.1
- **Scape length**: 3.2 ± 0.6
- **Raceme length**: 7.0 ± 1.0
- **Flowers per spray (number)**: 5.7 ± 1.0
- **Bud drop (%)**: 5.7
- **Pseudobulb height at first flower**: 10.2 ± 3.9
- **Pseudobulb height in June 1998**: 18.3 ± 4.2

**Pedigree of Dendrobium Lorrie Mortimer**

(P = Phalaenathe genome; C = Ceratobium genome)

- **D. stratiotes**
- **D. stratiotes**
- **D. Caesar**
- **D. Caesar**
- **D. stratiotes**
- **D. stratiotes**

**Monthly spray yield of D. Lorrie Mortimer** (based on 27 plants)

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