

I do not recommend that the novice grow miniatures as house plants except to enjoy them when in flower, for they like plenty of light down to their pseudobulbs with an abundance of fresh air-movement and humidity. Do not try to compensate for lack of humidity by over watering or the roots will rot. On the other hand, do not allow them to dry out completely, but water when the mix is just damp. The idea that Cymbidiums are shade plants must be discarded since they will tolerate, even enjoy morning and afternoon sunlight for they require good light in order to flower. The plants should be repotted every two or three years depending on the condition of the old mix. The same pests that are harmful to larger Cymbidiums may also attack miniatures. These may be controlled by the newer insecticides.

USE OF MINIATURE CYMBIDIUMS

Miniature Cymbidiums make charming gifts for the shut-in, the hospital patient and for special occasions and anniversaries. Their smallness makes them ideal for house decoration when they are in flower. The small flowers lend themselves to lovely flower arrangements. Single flowers can be worn as boutonnieres and they can be worked into attractive corsages. For those who have small greenhouses they offer bright spots of color that do not require the space of larger Cymbidiums. Miniature Cymbidiums are available from most orchid growers in Southern California.

Arboretum Orchid Collection

One of the finest and most comprehensive of any orchid collection, public or private, is to be found at the Los Angeles State and County Arboretum. Started in 1956 with a small collection of *Cattleyas*, today the four greenhouses, each with its controlled temperature, light and atmospheric conditioning, provide proper environment for over one hundred genera and twelve hundred species of orchids from all parts of the world. Through the interest and generosity of the friends of the Arboretum and the California Arboretum Foundation, the collection was started and is being developed to include representative species, primary hybrids, stud parents that have fostered award-winning blooms. The Arboretum Foundation and California garden clubs have sponsored three collecting expeditions to Central and South America that have resulted in valuable additions to the collection, including species not available in most collections and several that had been lost to cultivation for a hundred years. They are now acclimated to the conditions in the Arboretum greenhouses, under the capable direction of the orchid specialist in charge, Mr. Joe Lerchenmuller.

Dr. J. A. Fowlie, Mr. Glenn Hiatt and Dr. George C. Kennedy compiled the list, starting on p. 24 of this issue of *Lasca Leaves*.

ORCHID SPECIES AND NATURAL HYBRIDS COLLECTION AT THE
LOS ANGELES STATE AND COUNTY ARBORETUM, JANUARY, 1966.

ACACALLIS *cyanea*.

ACINETA chrysantha (syn. *A. densa*), *gymnostele*, *superba*.

ACROPERA (see also *GONGORA*) *armeniaca*, *cassidea* (syn. *A. batemannii*),
cornuta, *galeata* (*A.q.* var. *flava*), *horichiana*.

*AERANGIS kotschy*i, *thompsonii*.

AERIDES *affine*, *fieldingii*, *flabellatum*, *japanicum*, *lawrenceae*, *odoratum*, *racemeiformis*, *radicosum*, *vandarum*.

AGANISIA pulchella.

AMITOSTIGMA kaiskei.

ANOECTOCHILUS hemesleyana, *sikkimensis*.

ANGRAECUM comoroensis, *eburneum*, *falcatum*, *sesquipedale*.

ANGULOA clowesii, *eburnea*, *uniflora*.

ANSELLIA africana, *gigantea*, *nilotica*.

ARACHNANTHE moschifera (*ARACHNIS flos-aeris*).

ARPOPHYLLUM giganteum, *spicatum*.

ASPASIA epidendroides, (*epidendroides* var. *principissa*), *pusilla*, *variegata*.

BARKERIA chinense, *chinense* var. *naevosum*, *elegans*, *lindleyana*, *skinneri*,
spectabilis, *stenopetalum* (not a *Barkeria*), *whartonianum*.

BATEMANNIA colleyi.

BIFRENARIA harrisoniana, *longicornis*, *tetragona*, *trianthina*.

BLETIA alta.

BOLLEA hemixantha, *lalindei*.

BRASSAVOLA (see also *RHYNCHOLAEGLIA*) *acaulis*, *cordata*, *cucullata*,
digbyana, *flagellaris*, *glauca*, *nodosa*, *perrinii*.

BRASSIA allenii, *bidens*, *caudata*, *chlorops*, *gireoudiana*, *glumacea*, *lawrenceana*,
longissima, *maculata*, *maculata* var. *major*, *robertsonii*, *verrucosa*.

BROUGHTONIA domingensis (syn. *B. lilacina*, *Laeliopsis domingensis*), *negrilensis*, *sanguinea*, *sanguinea* var. *alba*, *sanguinea* var. *flava* ('Carmen Gauntlett').

BULBOPHYLLUM breviscarpum, *lilacinum*.

CATASETUM atratum, *bicolor*, *callosum*, *cristatum*, *dilectum*, *discolor*, *fimbriatum*,
gnomus, *hookeriana*, *integerrimum*, *laminatum*, *macrocarpum*, *ochraceum*,
oerstedii, *pendulum*, *pileatum*, *planiceps*, *roseum*, *russelianum*, *saccatum*,
soderoi, *tenebrosum*, *thylaciochilum*, *trulla*, *uncium*, *viridiflavum*.
uncium, *viridiflavum*.

CATTLEYA amethystoglossa (syn. *C. guttata* var. *Prinzii*), *aurantiaca*, *aurantiaca*
var. *la Providencia* Hort., *aclandiae*, *bicolor*, *bicolor* var. *alba*, *bicolor* var.
olocheilos (c. *grossii*), *bowringiana*, *bowringiana* var. *Black Prince*, *bowringiana* var. *splendens*, *brasiliensis*, *citrina*, *deckeri* (syn. *C. skinneri*, *autumnalis*), *dolosa*, *dowiana*, *dowiana* var. *aurea*, *dowiana* var. *Aurea* 'Young's',
eldorado, *elongata*, *forbesii*, *gaskelliana*, *granulosa*, *granulosa* var. *russelliana*,
granulosa var. *schoefieldiana*, *guttata*, *intermedia*, *intermedia* var. *alba*,
intermedia var. *amethystina*, *intermedia* var. *Aquinii*, *jehnmanii*, *labiata*,
lawrenceana, *leopoldii*, *leopoldii* var. *alba* (Syn. *C. guttata alba*), *leopoldii*

var. *immaculata*, *loddigesii*, *loddigesii* var. *Stanley's*, *leuddemanniana*, *maxima*, *mendelii*, *mossiae*, *mossiae* var. *Reineckiana*, *mossiae* var. *R. E. Paterson*, *mossiae* var. *Wageneri*, *mossiae* var. 'Yukon Belle' *nobilior*, \times *O'Brieniana* var. *alba*, \times *pachecoi*, *percivaliana* var. *Orchid Ranch*, *percivaliana* var. *Summit*, *porphyroglossa*, *quadricolor*, *schilleriana*, *schroederae* var. *Hercules*, *skinneri*, *skinneri* var. *alba*, *trianae*, *trianae* var. *Broomhill*, *trianae* var. *Clinkaberryanum*, *trianae* var. *Clement Moore*, *trianae* var. *F. E. Dixon*, *trianae* var. *Warren Hook*, *trianae* var. *the Premier*, *trianae* var. *the President*, *velutina*, *violacea*, *walkeriana*, *Warscewiczii* "Frau Melani Beyrodt", *Warscewiczii* var. *sanderae*.

CATTLEYOPSIS lindenii.

CHONDRORHYNCHA (see also *KEFERSTEINIA*, *WARSCEWICZELLA*, *COCHLEANTHES*), *albicans*, *bicolor* (syn. *C. Endresii*), *Chestertoni*, *fimbriata*, *lendyana*, *reichenbachiana*.

CHYSIS aurea, *bractescens*, *bractescens* var. *lemminghei*, *costaricensis*, *laevis*, *maculata*, *tricostata*

COCHLEANTHES aromatica, *flabelliformis*, *heteroclita* (syn. *Z. rhombilabium*)

COELIA triptera

COELIOPSIS hyacinthosma

COELOGYNE barbata, \times *burfordiense*, *corymbosa*, *cristata*, *dayana*, *flaccida*, *fuscescens*, *grandiflora*, *massangeana*, *ovalis*, *pandurata*, *speciosa*

COMPARRETTIA falcata, *macroplectrum*, *rosea*.

CORYANTHES leucocorys, *maculata*, *macrantha*, *maculata* var. *vitrina*, *speciosa*.

CYCNOCHES chlorochilon, *egertonianum*, *egertonianum* var. *aureum* *eger-tonianum* var. *dianae*, *lehmanii*, *loddigesii*, *pentadactylon*, *ventricosum*, *warscewiczii*.

CYMBIDIUM aloifolium, *bicolor* (syn. *C. sinensis*) *canaliculatum* var. *sparksii*, *devonianum*, *eburneum* *ensifolium* var. *Unge Kwannon*, *insigne* var. *Sanderae*, *insigne* var. *Westonbirt*, *lancifolium*, *longifolium*, *lowianum* var. *Fir Grange AM RHS*, *lowianum* var. "St. Albans", *mastersii*, *pendulum*, *pumilum*, *pumilum* var. *Jitsugetsu*, *pumilum* var. *Yashima*, *sinense*, *suavis-simum AM RHS*, *tracyanum FCC RHS*, *tracyanum* var. *superbum*, *virescens*.

CYPRIPEDIUM (see *PAPHIOPEDILUM*, correct name for tropical Asiatic slipper orchids)

CYRTOPODIUM broadwayii, *palmifolium*, *punctatum*

DENDROBIUM aggregatum, *chrysanthum*, *chrysotoxum*, *cruminatum*, *densi-florum*, *farmeri*, *fimbriatum* var. *oculatum*, *formosum*, *formosum* var. *giganteum*, *jenksii*, *lawsii*, *monile*, *parishii*, *phalaenopsis*, *phalaenopsis* var. *schroederae alba*, *phalaenopsis* var. *Laura Sladden*, *pierdii* var. *lantinifolium*, *undulatum*, *ursula*, *virginale*.

DENDROPHYLAX funalis

DIACRIUM bicornutum, *bilamellatum*

ENCYCLIA (see also *Epidendrum*) *decandolii*, *atropurpurea* var. *alba*, *atropur-purea* var. *randii*, *atropurpureum* *roseum*, *brassavolae*, *ionophlebium*, *oncidioides*, *prismatocarpum*

ENDRESIELLA zahlbruckneriana

EPIDENDRUM (see also *ENCYCLIA*, *BARKERIA*) *alatum*, *anceps*, *arbusculae*, *aromaticum*, *boothii*, *brachyphyllum*, *burtonii*, *campylostalix*, *candolii*, *ciliare*, *cinnabarinum*, *cochleatum*, *collare*, *coriafolium*, *costaricensis*, *crassilabium*, *cyanocolumna*, *diffusum*, *diforme*, *endresii*, *equitantifolium*, *falcatum*, *favoris*, *fragrans*, *ibaguense*, *ionophlebium*, *isomecum*, *leucopyramis*, *mariae*, *mirabile*, *mosenii*, *moyobambae*, *nemorale*, *nocturnum*, *nutans*, *nutans* var. *Dipus*, *ochraceum*, *oncidiooides*, *oncidiooides* var. *gravidum*, *oncidiooides* var. *perplexum*, *oncidiooides* var. *profusum*, *oncidiooides* var. *ramonense*, *paniculatum*, *papillosum*, *parkinsonianum*, *parvilobum*, *patens*, *pentotis*, *pfauii*, *phoenicum*, *polybulbon*, *porpax*, *pseudowallisii*, *pygmaeum*, *radiatum*, *radicans*, *ramosum*, *raniferum*, *rhabdobulbon*, *roussiana*, *schlechterianum*, *schummanianum*, *spondidulum*, *stamfordianum*, *tampense*, *teretifolium*, *umbellatum*, *verrucosum*, *wallisii*, *zipheres*

ERIA convolaroides, *javonica*, *merrillii*, *stellata*

ERIOPSIS biloba, *wercklei*

ERYTHRODES spcs.

ELOPHIDIUM maculatum, *sandersianum*

ELOPHIA angolensis, *caffra*, *horsfallii*, *livingstonii*, *orthoplectora*, *parvilabus*, *petersii*, *zeyberi*

GALEOTTIA grandiflora, sp. nov.

GOMEZA incurva

GONGORA (see also *ACROPERA*) *atropurpurea*, *maculata*, *maculata* var. *concolor*, *maculata* var. *tricolor*, *quinquenervis*, *portentosa*, *scaphephorus*, *truncata*, *unicolor*.

GRAMMANGIS ellisii.

GRAMMATOPHYLLUM measuresianum, *papuanum*, *scriptum*.

GROBYA amherstiae.

HEXISEA bidentata.

HOEHNEELLA trinitatis.

HOULLETIA brocklehurstiana, *juruensis*, *lowiana*, *tigrina*, *wallisii*.

HUNTLEYA burtii, *klugii*.

JAQUINELLA teretifolia var. *major*.

JUMELLA gracilipis.

KEFESTEINIA deflexipetala, *graminea*, *helleri*, *lactea*, *microcharis*, *sanguinolenta*, *subauadrata*, *wercklei*.

KEGELIELLA atropilosa, *kupperi*, species (?).

KOELLENSTEINIA graminea.

LACAENA bicolor, *spectabilis*.

LAELIA (see also *SCHOMBURGKIA*, *RHYNCHOLAEVIA*) *albida*, *anceps*, *anceps* var. *alba*, *anceps* var. 'Chamberlainiana', *anceps* × *furfuracea*, × *ancibarina*, *autumnalis*, *cinnabarinum*, *crispa*, *crispilabia*, *finkeniana* var. *Schroederiana*, *flava*, *furfuracea*, *gouldiana*, *grandiflora*, *jongheana*, *lobata*, *lundii* var. *Regnellii*, *monophylla* (*Neocogniauxia monophylla*), *ostermeyeri*, *ostermeyeri* var. *Hoehne Faunier*, *pumila*, *purpurata*, *rubescens*, *rubescens* var. *alba*, *rubescens* var. *flava*, *rupestris*, *speciosa*, *xanthina*.

LEOCHILUS oncidiooides.

LEPTOTES sp.

LOCKHARTIA acuta, *amoena*, *triagulabia*, *micrantha*, *oerstedii*, *pallida*, *teres*.

LYCASTE aromatica, barringtoniae, brevispatha, campbellii, ciliata, cinnabarina (see *denningiana*), *consobrina, consobrina* subs. *bradeorum, costata, crinita, cruenta, cruenta* × *virginalis*, × *denningiana* (*ciliata* × *longipetala*), *deppei, dowiana, dowiana* × *macrophylla, dyeriana, fulvescens, gigantea* (see *L. longipetala*), *lanipes, lasioglossa, leucantha, locusta, longipetala, longiscapa, macrobulbon, macrophylla* subs. *desboisiana, macrophylla* subs. *filomenoi, macrophylla* subs. *macrophylla, macrophylla* subs. *masuresiana, macrophylla* subs. *panamanensis, macrophylla* subs. *puntarenasensis, macrophylla* subs. *xanthocheila, mesochlaena, powellii, schilleriana, skinneri, skinneri* var. *alba*, var. *armeniaca*, var. *bicolor*, var. *delicatissima*, var. *marginata*, var. *nigropunctata*, var. *vestalis*, var. *tricolor*, var. *purpurea*, var. *purpurata, tricolor, xytriophora.*

MASDEVALLIA calura, caudata, chontalensis, ecaudata, elephanticeps, erythrochaete, harryana, horrida, ignea, laucheana, platyglossum, reichenbachiana, rolfeana, schlimgii, schroederiana, tovarensis, triastele, vellifera.

MAXILLARIA camaridii, carullota, crassifolia, densa, erythrochaete, houtteana, luteo-alba, nagelii, nigrescens, ochroleuca, praestans, princeps, rufescens, tenuifolia, variabilis, wercklei.

MEIRACYLIUM trinasutum, wendlandii.

MENADENIUM rostratum.

MILTONIA bluntii, clowesii, cuneata, endresii, flavescens, phalaenopsis, regnellii, regnellii var. *aurea, roezlii, schroederiana, spectabilis, warszewiczii.*

MORMODES aromaticum, atropurpurea, buccinator, cartonii, colossus, convolutum, ephippilabia, sp. nov., histrio, hookeri, horichii, igneum, lawrenceanum, luxatum, nagelii, maculata var. *maculata*, *maculata* var. *unicolor*, *punctatum, rolfeanum, roseum, skinneri, stenoglossum, variabile, vernixum, vinaceum, wendlandii.*

NAGELIELLA purpurea.

NEOCOGNIAUXIA monophylla.

NEOMOOREA irrorata.

NEOBENTHAMIA gracilis.

NOTYLIA bicolor.

ODONTOGLOSSUM bictoniense, cariniferum, cervantesii, chiriquensis, convallaroides, egertonii, grande, insleavi, krameri, krameri var. *alba maculatum, oerstedii, pendulum, pulchellum, schlieperianum, schlieperianum* var. *flavidum, stenoglossum, triumphans, uro-skinneri, williamsianum.*

ONCIDIUM ampliatum, altissimum, ansiferum, abortivum, asparagoides, baueri, bicallosum, cabagre, carthaginense, cavendishianum, cebolleta, cheiophorum, citrinum, crista galli, confusum, gauntletii, ghiesbreghtianum, globuliferum, guttatum, haematochilum, hastatum, hellerii, heteranthum, hyphmaticum, incurvum, jamaica, kramerianum, krameriamum (xanthochromic form), lanceanum, lankasteri, leiboldii, leuchochilum, liebmansi, longifolium, luridum, maculatum, microchilum, obryxanthum, ochmatochilum, ornithorhynchum, orthostates, panamanense, papilio, pittieri, pulchellum, sanderae, sarcodes, sphacelatum, splendidum, stenotis, stipitatum, stramineum, tetrapetalum, tigrinum, titania, triquetrum, tuerckheimii, varicosum var. *Rogersii, variegatum, warszewiczii, wentworthianum.*

ORNITHIDIUM fulgens.

ORNITHOCEPHALUS bicornis, cochleariformis, inflexus, iridifolius.

OTOSTYLIS brachystalix.

PAPHINIA cristata, cristata var. "modiglianiana", grandiflora.

PAPHIOPEDILUM amabile, appletonianum, argus, barbatum, bellatum, boxalii, bullenianum, callosum, charlesworthii, ciliolare, concolor, curtisii, curtisii var. 'Sanderae', dayanum, delenatii, exul, fairreanum, godefroyae, godefroyae var. Lasca, godefroyae var. leuchochilum, glanduliferum, glaucophyllum, gratrixianum, haynaldianum, hirsutissimum, hookerae, insigne, insigne var. 'chantinii', insigne var. 'Harefield Hall', insigne var. maulei, insigne var. 'Sanderae', javanicum, lawrenceanum, lowii, mastersianum, niveum var. Ang Thong, parishii, philippinense, praestans, purpuratum, Rothschildianum, spicerianum, stoneii, sublaeve, sukhakulii, superbiens, tonsum, venustum, villosum, villosum var. Boxallii, victoria mariae, violascens, virens, volenteanum, wardii, wolterianum.

PERISTERIA elata, guttata, pendula.

PESCATOREA cerina, dayana, dayana var. candidula, dayana var. rhodacra, lehmanni, klabochorum, wallisii.

PHAIUS grandifolius, maculatus maculatus var. minor.

PHALAEONOPSIS amabilis, aphrodite, equestris var. Marfa, esmeralda, esmeralda var. violacea, esmeralda var. purpurea, formosum, intermedia var. Portei, lueddemanniana, lueddemanniana var. boxallii, lueddemanniana var. hieroglyphica, lueddemanniana var. McCloud, lueddemanniana var. Mindanao, lueddemanniana var. ochracea, lueddemanniana var. pulchra, lueddemanniana var. purpurea, maculata, mannii, schilleriana, stuartiana, violacea.

PHOLIDOTA imbricata.

PHRAGMIPEDIUM boisserianum, caricum, caudatum, klotzschianum, longifolium, schlimgii, x sedenii var. candidulum.

PLEUROTHALLIS ghiesbrechtiana, glomerata, immersa.

POLYCYCNIS barbata, gratiosa, sp. nov., muscifera.

POLYSTACHYA luteola.

RENANTHERA monachica.

RHYNCHOLAEGLIA digbyana, digbyana var. fimbripetala, glauca, glauca var. alba.

RHYNCHOSTYLIS violacea.

RODRIGUEZIA fragrans, secunda, Teuscheri.

RUDOLFIELLA aurantiaca.

SACCOLABIUM dasypogon.

SCAPHYGLOTTIS lindenii.

SCHLIMMIA jasminodora, trifida.

SCHOMBURGKIA brysiana (syn. S. tibicinis grandiflora), crispa, humboldtii, humboldtii var. alba, lueddemanniana, lyonsi, lyonsia var. alba, sawyeri, superbiens, tibicinis, thomasonia var. thomasoniana (white and purple), thomasoniana var. atropurpurea (yellow and purple), undulata, weberbaueriana, wendlandii.

SCUTICARIA steelii.

SIEVEKINGIA fimbriata, suavis.

SOBRALIA leucoxantha, lindleyana, macrantha.

SOPHRONITELLA violacea.

SOPHRONITIS cernua, coccinea, grandiflora, pterocarpa.

SPATHIGLOTTIS microchilina, plicata.

STANHOPEA *anfracta*, *bucephalus*, *candida*, *cirrhata*, *connata*, *costaricensis*, *devoniensis*, *eburnea*, *ecornuta*, *florida*, \times *fowlieana* (*ecornuta* \times *costaricensis*), *grandiflora* (HBK ex Rchb. F) Rolfe, *graveolens*, *guttulata*, *oculata*, *platyceras* (syn. *S. Madouxiana*), *pulla*, *saccata*, *shuttleworthii*, *tricornis*, *tigrina*, *wardii*.

STAUROPSIS *fasciata*, *lissochilooides*.

STELIS *atro-rubens*, *endresii*, *guatemalensis*, *ophioglossoides*.

STENIA *chasmatochila* sp. nov., *pallida*.

STENOGLOTTIS *longifolia*.

STENORRHYNCHUS *speciosus*.

TAINIA *hookeriana*.

TEUSCHERIA Sp. Nov.

TRIGONIDIUM *lankasteri*, *semanii*.

THUNIA *alba*.

TRICHOCENTRUM *candidum*, *tigrinum* var. *splendens*, *maculatum*.

TRICHOCERAS *parviflora*.

TRICHOGLOTTIS *brachiata* var. *philippinensis*.

TRICHOPILIA *coccinea*, *fragrans*, *maculata*, *marginata*, *sanguinolenta*, sp. nov.,
 suavis, *subulata*, *torticollis*, *turrialbae*.

TRIGONIDIUM *egertonianum*.

VANDA *coerulea*, *roeblingiana*, *sanderiana*, *sanderiana* var. "Country Acres",
 suavis, *tricolor*.

VANILLA *barbalata*, *dillonianum*.

WARREA *costaricensis*.

WARSCEWICZELLA (see also *CHONDRORHYNCHA*, *KEFERSTEINIA*,
 COCHLEANTHES), *amazonica*, *caloglossa*, *discolor*, *gibezae*, *lipscombiae*,
 marginata, *wailesiana*.

XYLOBIUM *elongatum*, *foveatum*, *palmifolium*, *sulphurinum*.

ZYGOPETALUM (see also *COCHLEANTHES*, *CHONDRORHYNCHA*, *KEF-*
 ERSTEINIA, *WARSCEWICZELLA*, *PESCATOREA*, *HUNTLEYA*),
 brachypetalum, *crinitum*, *intermedium*, *mackayi*, *triste*.



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