Question: Just lately some sort of larva has been attacking my CP plants and eating its roots and leaves. Is there anything I can do about it? I'm a newcomer to CPN — this will be my second year. The larva has eaten my 11-year-old bulb (Venus's Fly trap). I would like to know exactly what happened to *Aldrovanda*? Can anyone send information on this plant? (D. B., Salt Lake City, Utah)

Answer: It is rather difficult to determine what type of larva may be attacking your plants, but a good drenching with a mild insecticide usually will solve the problem. Use a wettable powder preparation following the label instructions. A trip to the nursery and a question to the nurseryman should be sufficient. As to the *Aldrovanda*, the culture of this plant was covered in the December, 1978, issue of CPN. (LCS)

**HYBRID NEPENTHES**

(by Ron Fleming, P.O. Box 3834, Kenai, Alaska 99611)

The entries in this listing are itemized alphabetically by hybrid name followed by breeder's name, date of cross or commercial issue, "hybrid group," and, finally, a break-down of each hybrid to its supposed parent stock and hybridization structure. A good percentage of these *Nepenthes* hybrids are listed by names not acknowledged in formal horticultural publications and doubted by the professional community, as they may represent duplicate crossings of previously produced hybrids. *Nepenthes X fournieri* (Gautier, 1903) is an example of a cross between *N. northiana* and *N. maxima* which duplicates an earlier cross which produced *N. X mixta* (Tivey, 1892). However, *N. X fournieri* does not exactly duplicate "the" *N. X mixta* in every detail. The "hybrid group" designation indicates a hybrid which is a near duplicate to one or more other named hybrids or back crossed hybrids, the group name is generally taken from the earliest known hybrid of the group: Thus, *N. X fournieri* (Gautier, 1903, *mixta group*).

The heart of this listing is the complete break-down of each hybrid to its known or supposed parent stock in such a way as to show the intermediate steps that lead to the final hybrid as listed. As an example: *Nepenthes X f. w. moore* (Tivey, 1904, *dyeriana group*) = (*noribiana X maxima*) *X* (*raflesiana X veitchii*). Both primary hybrids, *noribiana X maxima* (*N. X mixta*) and *raflesiana X veitchii* (*N. X dicksoniana*), can easily be discerned while all the parent stock is shown as well. This type of listing should serve to better understand parent stock ratios in complicated crosses as well as an easy reference keying out hybrids of similar origins. It should be noted that many of the earliest hybrids are of doubtful parentage and many others may be now extinct.

*Amabilis* (, 1886, *excelsior group*) = (*raflesiana x ampullaria*) *x* *raflesiana*
*Allardii* (Allard, 1897, *tiveyi group*) = *veitchii x maxima*
*Ametesia* (Veitch, 1893, *excelsior group*) = *raflesiana x (raflesiana x ampullaria)*
*Dr. Edgar Anderson* (Pring, 1950, *cbelsonii group*) = *[(raflesiana x gracilis) x (raflesiana x ampullaria)] x [raflesiana x gracilis]*
*Astropurpurea* (, , *nobilis group*) = *sanguinea x maxima 'superba'*
Alliottii (mixta group) = noribiana x maxima
Acre-sanguinea (Taplin, 1882) = (distillatoria x gracilis) x khasiana
Balfouriana (Tivey, 1899, balfouriana group) = (noribiana x maxima) x (sanguinea x khasiana)
Bobnickii (Bonstedt, 1931, mixta group) = [(noribiana x maxima) x maxima] x [(noribiana x maxima) x maxima]
Boissiana (Jarry-Desloges, 1905) = [maxima x veitchii] x [mirabilis x (rafflesiana x amplaria)]
Boissiense (Lecoultre-Bert, 1955, henryana group) = gracilis x [(gracilis x khasiana) x (rafflesiain x amplaria)]
Caroli-schmidtii (Bonstedt, 1951, deslogesii group) = (noribiana x maxima) x (veitchii x maxima)
Chelsonii (Seden, 1872, chelsonii group) = (rafflesiain x gracilis) x (rafflesiain x amplaria)
Chelsonii excellens (Tivey, 1900, chelsonii group) = rafflesiana x [(rafflesiain x gracilis) x (rafflesiain x amplaria)]
Cocinea (Taplin, 1882, wrigleyana group) = (rafflesiain x amplaria) x mirabilis
Compacta (Taplin, 1881, wrigleyana group) = (rafflesiain x amplaria) x mirabilis
Courtii (Court, 1877, dominii group) = gracilis x (rafflesiain x gracilis)
Joseph Cutah (Pring, 1950, chelsonii group) = [(rafflesiain x gracilis) x (rafflesiain x amplaria)] x [rafflesiain x gracilis]
Cylindrica (Tivey, 1887) = distillatoria 'rubra' x veitchii
Deslogesii (Jarry-Desloges, 1905, deslogesii group) = (maxima x veitchii) x (noribiana x maxima)

Dicksoniana (Lindsay, 1888) = rafflesiana x veitchii
Dominii (Dominy, 1862, dominii group) = rafflesiana x gracilis
Dornmaniana (Taplin, 1882, dornmaniana group) = mirabilis x (gracilis x khasiana)
Dominii (Dominy, 1862, dominii group) = rafflesiana x gracilis
Dornmaniana (Taplin, 1882, dornmaniana group) = mirabilis x (gracilis x khasiana)
Dyeriana (Tivey, 1900, dyeriana group) = (noribiana x maxima) x (rafflesiain x veitchii)
Edulisensis (Lindsay, 1888, chelsonii group) = rafflesiana x [(rafflesiain x gracilis) x (rafflesiain x amplaria)]

Excelsa (mixta group) = veitchii x sanguinea
Excelsior (Taplin, 1885, excelsior group) = rafflesiana x (rafflesiain x amplaria)
Evermannii (Siebrecht, 1889, wrigleyana group) = mirabilis x (rafflesiain x amplaria)
Dr. C. D. Fairburn (Pring, 1950, chelsonii group) = [(rafflesiain x gracilis) x (rafflesiain x amplaria)] x rafflesiana x gracilis
Formosa (Kew Garden, 1897) = [(rafflesiain x gracilis) x (rafflesiain x amplaria)] x distillatoria
Fournierei (Gautier, 1903, mixta group) = noribiana x maxima
Gamertii (Jarry-Desloges, 1905, deslogesii group) = (maxima 'superba' x veitchii) x (noribiana x maxima)
Gautieri (Gautier, 1903, mixta group) = noribiana x maxima
Goebelii (Bonstedt, 1931, mixta group) = (noribiana x maxima) x maxima
Goettingensis (Bonstedt, 1931, dyeriana group) = (noribiana x maxima) x (rafflesiain x veitchii)
Grundis (Jarry-Desloges, 1906, deslogesii group) = maxima 'superba' x noribiana 'pulchra'
Harryana (natural hybrid complex) = edwardiana x villosa
Henryana (Taplin, 1881, henryana group) = (gracilis x khasiana) x (rafflesiain x amplaria)
Hibbertii (Taplin, 1883, henryana group) = (rafflesiain x amplaria) x (gracilis x khasiana)
Hoitscheri (Bonstedt, 1931) = (noribiana x maxima) x [(gracilis x (rafflesiain x gracilis)] x distillatoria 'rubra'
Hookeriae (Taplin, 1895) = rafflesiana x mirabilis
Hookeriana (H. Low) (natural hybrid complex) 1847 = rafflesiana x amplaria
Nel Horner (Pring, 1950, chelsonii group) = [(rafflesiain x gracilis) x (rafflesiain x amplaria)] x [rafflesiain x gracilis]
Hybrida (Dominy, 1866, hybrida group) = khasiana x gracilis
Hybrida maculata (Dominy, 1866, hybrida group) = khasiana x gracilis
Hybrida maculata elongata (Court, 1877, dominii group) = gracilis x (rafflesiain x gracilis)
Intermedia (Court, 1877, dominii) = gracilis x rafflesiana
Kindabueni (natural hybrid complex) = rafah x villosa
Kraussii (Bonstedt, 1931, deslogesii group) = (noribiana x maxima) x (veitchii x maxima)
Ladenburgii (Bonstedt, 1931, mixta group) = (noribiana x maxima) x maxima
Laurenciana (Taplin, 1880, wrigleyana) = mirabilis x (rafflesiain x amplaria)
Longicaudata (Jarry-Desloges, 1906, mixta group) = maxima 'superba' x noribiana 'pulchra'
Lydia (Court, 1877, lydiata group) = (khasiana x gracilis) x rafflesiana
Dr. John MacFaulana (Veitch, 1909, nobili group) = sanguinea x maxima 'superba'
Marina-Louisa (Gautier, 1903, mixta group) = noribiana x maxima

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Mastersiana (Court, 1881) = sanguinea × khasiana
Merteteri (Gautier, 1903, mixta group) = noribiana × maxima
Merrillitata (natural hybrid complex) = merrillitata × alta
Mixta (Tivey, 1892, mixta group) = noribiana × maxima
F. W. Moore (Tivey, 1904, dyeriana group) = (noribiana × maxima) × (rafflesiana × veitchii)
Director G. T. Moore (Pring, 1950, chelssonii group) = [(rafflesia × gracilis) × (rafflesia × ampullaria)] × [(rafflesia × gracilis) × (rafflesia × ampullaria)]
Katharine Moore (Pring, 1950, dominii group) = [(rafflesia × gracilis) × (rafflesia × ampullaria)] × [(rafflesia × gracilis) × (rafflesia × ampullaria)]
Morganiana (Taplin, 1881, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Nenfulbiana (Bonstedt, 1931, mixta group) = (noribiana × maxima) × maxima
Nobilis (Veitch, 1910, nobilis group) = sanguinea × maxima 'superb'
Outramiana (Taplin, 1879, henryana group) = (gracilis × khasiana) × (rafflesia × ampullaria)
Paradisiacea (Taplin, 1883, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Patersonii (Saul, 1889, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Pauhlii (Jarry-Desleges, 1906, deslegesi group) = (maxima 'superba' × veitchii) × (noribiana × maxima)
Peterstii (Bonstedt, 1931, deslegesi group) = (noribiana × maxima) × (veitchii × maxima)
Picturata (Tivey, 1903, dyeriana group) = (noribiana × maxima) × (rafflesia × veitchii)
Pitcheri (Pitcher & Manda, 1895) = [mirabilis × (rafflesia × ampullaria)] × [(gracilis × (rafflesia × ampullaria)] × [(gracilis × (rafflesia × ampullaria)]
Leutenaat R B Pring (Pring, 1950, chelssonii group) = [(rafflesia × gracilis) × (rafflesia × ampullaria)] × [(rafflesia × gracilis) × (rafflesia × ampullaria)]
Rafflesiana pallida (Court, 1878, lyra group) = (khasiana × gracilis) × rafflesiana
Ratcliffiana (Court, 1880, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Remilleniensis (Jarry-Desleges, 1905, deslegesi group) = (noribiana × maxima) × (veitchii × maxima)
Reutheri (Bonstedt, 1931, halfouriana group) = (noribiana × maxima) × (sanguinea × khasiana)
Robusta (Taplin, 1880, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Roedigeri (Bonstedt, 1931, mixta group) = (noribiana × maxima) × maxima
Rubro-maculata (Court, 1887) = (khasiana × gracilis) × veitchii
Rubescens (Court, 1888) = [(gracilis × (rafflesia × gracilis)] × distillatoria 'rubra'
Rutzii (Bonstedt, 1931, deslegesi group) = (noribiana × maxima) × (veitchii × maxima)
Saint Louis (Pring, 1950, chelssonii group) = [(rafflesia × gracilis) × (rafflesia × ampullaria)] × [(rafflesia × gracilis) × (rafflesia × ampullaria)]
Sedentii (Seden, 1872, hybrida group) = gracilis × khasiana
Henry Shaw (Pring, 1950, chelssonii group) = [(rafflesia × gracilis) × (rafflesia × ampullaria)] × [(rafflesia × gracilis) × (rafflesia × ampullaria)]
Siebrechtiana (Siebrecht, 1889, dormanniana group) = mirabilis × (gracilis × khasiana)
Sieberthii (Bonstedt, 1931, deslegesi group) = (noribiana × maxima) × (veitchii × maxima)
Simonii (Gautier, 1903, mixta group) = noribiana × maxima
Shinjuku (shinjuku group) = [noribiana × maxima] × [mirabilis × (rafflesia × ampullaria)]
Sprendida (Pitcher & Manda, , wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Stammierei (Bonstedt, 1931, mixta group) = [(noribiana × maxima) × maxima] × [(noribiana × maxima) × maxima]
Stewartii (Court, 1879, wrigleyana group) = mirabilis × (rafflesia × ampullaria)
Superba (Taplin, 1880, henryana group) = (gracilis × khasiana) × (rafflesia × ampullaria)
Tivyii (Tivey, 1897, tiveyi group) = maxima 'superba' × veitchii
Gerald Ulrichi (Pring, 1950, chelssonii group) = (rafflesia × gracilis) × (rafflesia × ampullaria)
Valliclaria (Jarry-Desleges, 1905, deslegesi group) = (maxima 'superba' × veitchii) × (noribiana × maxima)
Ventivata (natural hybrid complex) = ventricosa × alta
Williamii (Taplin, 1880, henryana group) = (gracilis × khasiana) × (rafflesia × ampullaria)
Witter (Witte, 1897) = maxima × stenophylla
Wrigleyana (Court, 1880, wrigleyana group) = mirabilis × (rafflesia × ampullaria)

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