## ERRATA

Chung-Shih Tang (1973) Localization of benzyl glucosinolate and thioglucosidase in *Carica papaya* fruit *Phytochemistry* **12**, 769–773

Dr M G Ettlinger has kindly pointed out to me that Léon Guignard has reported in 1894 his findings on the localization of a glucosinolate and thioglucosidase in the seeds of papaya His credit on this subject should be duly acknowledged and the following references should be cited

CHALLICE, JAMES S (1973) Phenolic compounds of the subfamily Pomoideae a chemotaxonomic survey *Phytochemistry* **12**, 1095–1101

It is regretted that Table 1 contained printers errors and is reprinted in full overleaf

INGVERSEN, J and Køie, B (1973) Lysine-rich proteins in high-lysine Hordeum vulgare grain Phytochemistry 12, 1107–1111

The key in Fig 2 (p 1108) should read

------ Hiproly ------ CI 7115 ---- Mutant 29

HERZ, W and WAHLBERG, I (1973) Punctatin a new germacradienolide from Liatris punctata Phytochemistry 12, 1421–1426

Professor Ch Tamm, Institut fur Organische Chemie, University of Basel, has drawn our attention to the fact that the name "punctatin", used by us in the above publication as the appellation of a new germacradienolide, has been preempted by a homoisoflavone <sup>1</sup> Consequently it seems desirable to change the name of our germacradienolide to "punctaliatrin"

<sup>&</sup>lt;sup>1</sup> GUIGNARD, L (1894) Recherches sur certains principles actifs encore inconnus chez les Papayacees J Botanique 8, 67-79 85-92

<sup>&</sup>lt;sup>2</sup> GUIGNARD, L (1894) Sur quelques proprietes chimiques de la myrosine Bull Soc Bot Fr 41, 418-428

<sup>&</sup>lt;sup>1</sup> SIDWELL, W. T. L. and TAMM, CH. (1970) Tetrahedron Letters 475, see also Erratum, (1970) Tetrahedron Letters 1578, FINCKH, R. E. and TAMM, CH. (1970) Experienta 26, 472

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TABLE 1 LEAF PHENOLICS OF POMOIDEAE SPECIES

Plant species†	Compounds*									
	Flavones**			Flav-	Flavonols§		Isochior-	Catechins		
	FT	F2	- DHC†† Ph	ones: FN	F7	F5P	ogenic acid	UI	U2	
Cotoneaster C horizontalis C francheti C melanocarpa var laxipolius C racemiflora H					t	t	+ + + t	++ ++(+) ++ +(+)	t +	
Pyracantha P coccinea P atalantioides				(+)	(t) + +			+++	+	
Mespilus M germanica							+ -	++	+	
Crataegus C carrierei C orientalis var sanguinea		+(+) +(+)			+ +			+++++++++++++++++++++++++++++++++++++++	+	
Osteomeles O schwerinae H O anthyllidifolia H		, , , ,						1 1 ( 1 )	•	
Sorbus (Section I Aucuparia) S. americana S. commixia H S. decora S. tianshanica S. aucuparia S. pohuashanensis S. vilmorini				+ + + + + (+)	t	+ +	++ + ++ ++ +(+)	+ + + + + + + +	t + (+) + -	
S koehneana H (Section II Cormus)				t			, ,			
S domestica H (2 sources) (Section III Aria) S torminalis H S intermedia S aria	+(+) +(+)	t				۲	<del>-</del>	+ + + +	+(+) +	
(Section IV Micromeles) S japonica								t	t	
(Section I × III) S hybrida (S aucuparia × S intermedia) S thuringiaca							+(+)	+ +	+	
(S aucuparia × S aria)  Aronia A arbutifolia A prunifolia H A melanocarpa	+(+)	(+)			+(+)	+(+)	+++++	+++++	+ t +	
Photinia P villosa P serrulata H P davidsoniae H P flava				+ ?			+ t	,	- ++	
Heteromeles H arbutifolia M Roem (14 sources	)						+ +	,	+++++++++++++++++++++++++++++++++++++++	
Stranvaesia S davidiana H S davidiana var undulata S nussia H					d t		+ +(+) + +(+)			
Eriobotrya E japonica H E bengalensis H					++		(t)			
Raphiolepis R japonica H R indica H										
Amelanchier A ovalis A asiatica H A canadensis A laevis							<b>t</b> +-  +-	++	+ + +	
Peraphyllum P ramosissimum H					t		1	ı	-1	
Malus (Section I Eumalus) M 'prumfolia Rinku' M hupehensis			+++++++++			+ t		t t	+ +	

TABLE 1—continued

Plant species†	Compounds*									
	Flavones**			Flav- an-	Flavonols§		Isochlor-	Catechins		
	FT	F2	— DHC†† Ph	ones‡ FN	<b>F</b> 7	F5P	ogenic acidjj	UI	U2	
(Section II Sorbomalus)  M fusca M toringoides			+++			t			+	
(Section III Chloromeles) M glaucescens			+++			+			+	
(Section IV Eriolobus)  M trilobata (Section V Docymiopsis)						+			+(+)	
M tschonosku (Section ?) M Sp 'H'			+++		t	+(+)			+(+)	
Docynia D delavayi H (3 sources) D indica H (3 sources)			+++ +(+)							
Chaenomeles (Section I Euchaenomeles) C cathayensis C japonica cv 'Maulei' C speciosa cv 'Moerloosei'				(t) ++	+ +		++ t <sup>9</sup> -	++(+)	++?	
(Section II Pseudocydonia) C sinensis	++(+)	t						+ +(+)		
Cydonia C oblonga C vulgaris var vranja							++(+)	+ + + +	+ +	
Pyrus¶ sec Refs 8, 13, 14		pres			pres		pres	pres	pres	
Hesperomeles H oblonga Lindl H H heterophylla (R & P) Hook H H cuneata Lindl H H glabrata H B K H H intermedia Pittier H H ferruginea (Pers ) Beveh H	++ +(+) ++	++				(+) ++ (+)				

\* Blank space indicates that the phenolic could not be detected Scoring code t trace, + small amount, + + moderate amount, + + large amount, () reservations regarding enclosed symbol, score on low side FT luteolin 7-thamnosylglucoside, F2 Juteolin 7-glucoside, DHC, dihydrochalkone, Ph philondzin (phloretin 2'-glucoside), FN incompletely identified glucoside of naringenin (williams, unpublished), F7 quercetin or kaempferol 3-triglyosides ?, IFSP quercetin or kaempferol 3-monopentosides ?, Ut epicatechin, UZ catechin.

there the authority is not given after a given specific name, this authority will be found in Rehder, 1 where geographical origins are also listed The origin of Heteromeles is given by Bailey² and the origins of Chaenomeles and Hesperomeles species are given by Weber³ and Sax ⁴ 5 All specimens designated 'H' were obtained only as dried herbarium leaf samples from Kew, the remainder of the specimens were obtained as fresh leaf from various sources. Full details of sources and identifications of both fresh and herbarium specimens are given elsewhere 8

\*\* Besides FT, a second luteolin 7-rhamnosylglucoside (FI) is present in Pyrus species, Crategus carrieri, and in Aronia arbuifolia a luteolin 7-diglucoside (FV) is present in all species containing the monoside (F2) except Crategus carrieri, and in Aronia arbuifolia a luteolin 7-diglucoside (FV) is present in all species containing the monoside (F2) except Crategus carrieri, and in Aronia arbuifolia in Pyrus species, F3 is also in Crategus carrieri and (F2) in Hesperomeles glabraia Flavone 4'-O-glucoside (FZ) are found in Pyrus species, F3 is also in Crategus carrierie and (FZ) in Hesperomeles glabraia Flavone 4'-O-glucoside (FZ) are hydroxychalcone<sup>91</sup> on Malus bark (but not in leaft) and chrysin 7-glucoside and its corresponding β-hydroxychalcone<sup>91</sup> on In Malus bark (but not in leaft) and chrysin 7-glucoside and its corresponding β-hydroxychalcone<sup>91</sup> on In Malus leaft and bark, these compounds could not be detected elsewhere in the Pomoideae

†† Dihydrochalkones phloridin (Sie, 3-hydroxytrilobatin) is found in M prunifolia Rinkii and M sp 'H' y Williams has solid film of 'Hydrochalkones phloridin (Sie, 3-hydroxytrilobatin) is found in M prunifolia Rinkii and M sp 'H' Williams has solid etected the following minor dihydrochalkones in Malus phloretin 2'-xylosylglucoside, 4-desoxyphloretin 4'-glucoside and p-coumaroylphloridin

at Besides the naringenin glycoside (FN), an eriodictyol glycoside (FE) is present in all species containing FN except Sorbus vilmorini, S koehneana, Chaenomeles japonica and Photinia davidsoniae. In addition FE is present alone in Pyracantha atalantioides, Hesperomeles cuneata and glabrata Williams has resported naringenin and eriodictyol. Falucoside as present in leaf and bark of some Malus species. In all endicated in trace amounts in the bark only of Cydonia. Quercetin 4-glucoside was detected in trace amounts in the leaf of 3 species of Sorbus (S aucuparia, S decora and S commistra) Williams? Perported this flavoniod in the bark of some Malus species but could not detect it in the leaf Williams? In the flavoniod was detected in trace amounts only Traces of quercetin 5-glucoside have been detected in the leaf of Cotoneaster racemifora and Pyracantha atalantioides only Azaleatin 3-glucoside has been found in the bark of a few Malus species, 18 it could not be found in the corresponding leaf, nor in the leaf of any other Pomoideae species. Quercetin or kaempferol 3-mono and displayoristic society in all general listed in Table 1. and diglycosides occur in all genera listed in Table 1

Chlorogenic acid occurs in all genera listed in Table 1 Arbutin (hydroquinone monoglucoside) is restricted to Pyrus where it is present in all species Caffeoylcalleryanin is present in the leaf of some species only, but is ubiquitous as a bark constituent, p-Hydroxybenzoyl, protocatechuoyl and vanilloylcalleryanin and protocatechuic acid 3-glucoside are present only in Pyrus calleryana and P koehnei