

What the Public Demands

Desirable Characteristics of Roses

	Hybrid Tea	Old Garden Rose	Modern Shrub
Attractive Plant	0	1	2
Fragrance	1	2	1
Recurrent Blooms	2	1	2
Disease Resistance	0	0	2
Winter Hardiness	0	2	2
Low Maintenance	0	1	2
Shapely Blooms	2	1	1
Vigor	1	2	2
Total Score	6	10	14

Evolving Popularity

AARS Selections Then and Now

	Percent	
	Hybrid Teas	Shrubs
	-----	-----
1st 10 years (1940-9)	82 %	0 %
1st 16 years (1940-55)	74	0
Last 10 years (1993-2002)	34	19
Last 16 years (1987-2002)	32	18

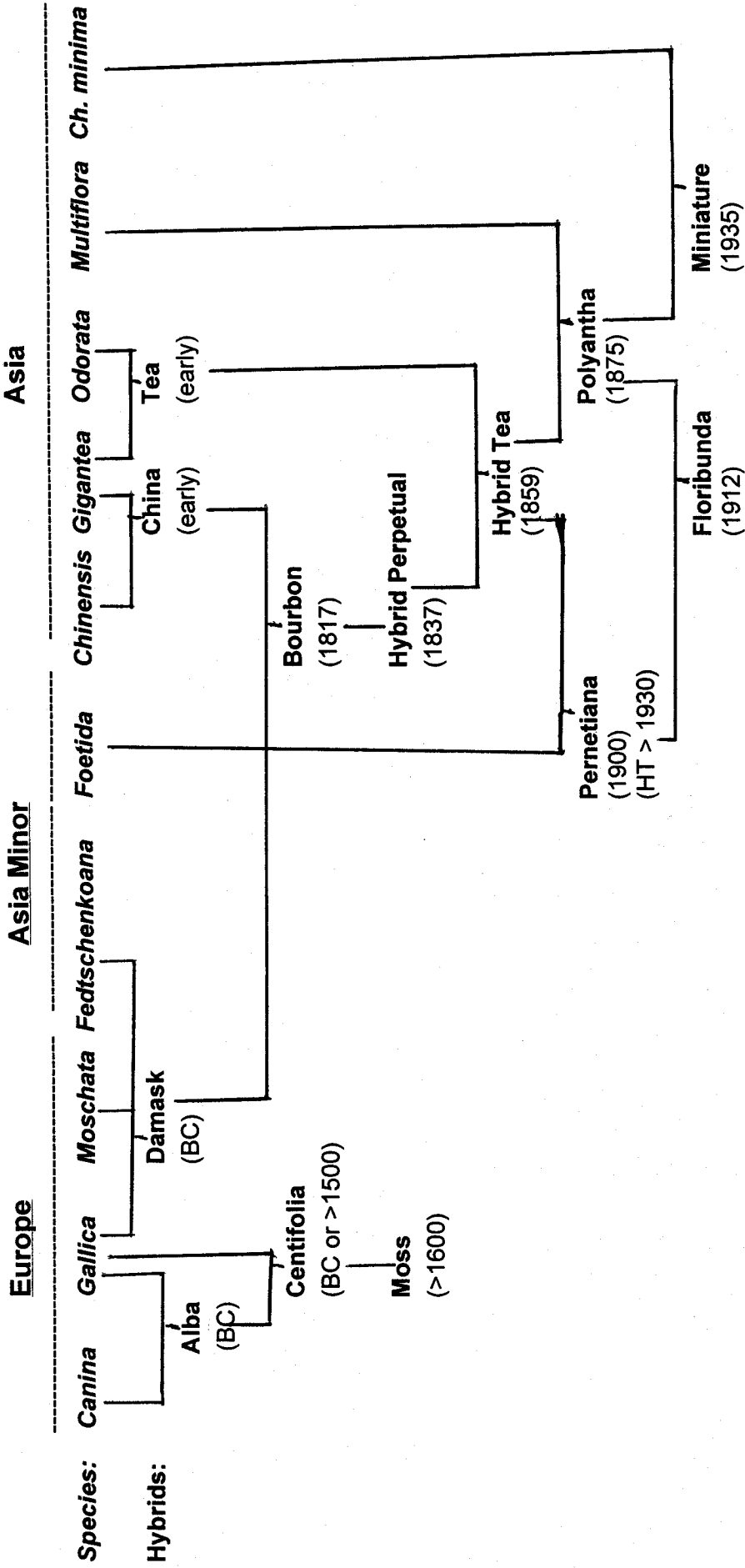
"New" Species Used by Modern Breeders

<u>Specie (2n)</u>	<u>Breeder</u>	<u>Shrub Rose</u>
<i>acicularis</i> (28)	Kordes	Dornroschen
<i>beggeriana</i> (14)	Morden Exp.	Prairie Youth
<i>eglanteria</i> (14)	Buck Kordes	Hawkeye Belle Westerland
<i>laxa</i> (28)	Skinner Buck	Suzanne Carefree Beauty
<i>hulthemia</i> (14)	Harkness	Euphrates
<i>moyesii</i> (42)	Dot RHS	Nevada Geranium
<i>multiflora</i> (14, 28)	Brownell Lambert Pemberton	Nearly Wild Trier H. Musk series
<i>pimpinellifolia</i> (28)	Harkness Svejda	English Elegance series Canadian explorer series
<i>rugosa</i> (14)	Kordes Svejda	Robusta Jens Munk
<i>spinosissima altaica</i> (28)	Buck Kordes Morden Svejda	Prairie Princess Frühlingsmorgen Prairie Dawn Champlain
<i>suffulta</i> (28)	Morden	Prairie Youth
<i>wichuriana</i> (14)	Brownell Buck	Break o' Day Prairie Princess
<i>xanthia</i> (14)	Shepherd	Golden Wings

Rose Taxonomy and Number of Species

	<u>MR XI</u>	<u>Harkness</u>	<u>Beales</u>	<u>Krussmann</u>
I. Hulthemia	1	1	1	2
II. Hesperhodos	5	3	2	2
III. Platyrhodon	4	2	3	1
IV. Eurosa				
1) Banksiana	6	5	5	2
2) Laevigatae	1	1	1	1
3) Bracteatae	3	1	1	2
4) Pimpinellifoliae	31	20	14	9
5) Gallicanae	9	3	4	3
6) Caninae	41	30	23	28
7) Carolinae	19	7	7	5
8) Cassiorhodon	81	56	55	44
9) Synstylae	42	29	24	21
10) Chinensis	5	7	2	2
	-----	-----	-----	-----
Total	248	165	142	122

Simplified Genealogy of Modern Garden Roses



Future Breeding Possibilities

A. [(*R. acicularis* (56) x hybrid tea (28)] = [seedling (42) x tea (14)]

B. *R. moyseii* (42) x tea (14)

C. *R. hulthemia* (14) x tea (14)

D. *R. moyseii* (42) x *R. xanthia* (14)

E. *R. rugosa* (14) x tea (14)

F. [(*R. laxa* (28) x *R. spinosissima* (28)] x hybrid tea (28)