



ASGAP HIBBERTIA STUDY GROUP

NEWSLETTER

No. 28

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HIBBERTIA DENTATA

Dear Members

My apologies for being so late with this newsletter, however finding a job has had to take precedence. Welcome to our new member Jeremy Trahair. Jeremy is interested in growing hibbertias from seed. I have had two attempts at striking *Hibbertia amplexcaulis* without success. The nice springy green growth turns to hardwood in the potting medium after a few weeks. Can someone offer me advice. I now have both *H. grossulariifolia* and *H. perfoliata* growing well in the ground by keeping them well shaded.

Regards Kerry Davis

Anglesea - Weeding and Hibbertias

The last weekend in April '95 I called on Mary White at Anglesea. She took me to see where she and others have been working on removing weeds at the back of the sand dunes at Pt. Roadknight. They have cleared under melaleucas and coastal daisy bushes and from this area milkwort has been removed by the truck-load plus boneseed and agapanthus.

For this work we are rewarded with *Swainsonia lesseriifolia* which will later cover the ground with mauve flowers. Also coming up are very healthy clumps of *Hibbertia sericea* 3 cm to 7 cm high by 40 cm wide and spreading over a large area. It was wonderful to see a couple of bright yellow flowers.

Anne Kerr

Mind your step

Some five years ago I had a *Hibbertia dentata* growing in a container. For seven years prior to that it had flowered every year. When it died five years ago, I removed the container two years later and noticed two seedlings where the container had been.

All together around the garden I have found eleven plants. They usually appear after warm weather and rain.

These seeds must have been lying dormant for at least five years. The first plants that came up are now at least 80 cm x 120 cm and looking very healthy. Their roots are under a piece of wood and the plants themselves are surrounded by brachyscomes. The only other hibbertia that I have come up from seed is *H. scandens*.

At Christmas time I was spraying the weeds on the path near the front steps when I noticed three small leaves poking through a tiny crack in the Castlemaine slate. When I looked closely I found them to be *H. dentata*; a few weeks later two more appeared in the step below. The first is now 15 cm long - so now when working around the garden I must mind my step.

Anne Kerr

Letter from Kerry Rathie

18/8/95.....

While ill a year or so ago, I cut watering for a while, and the drought took its toll with *Hibbertia lasiopus*, *H. pedunculata*, *H. obtusifolia*, *H. stellaris* and *H. cuneiformis*. Still have *H. stricta*, *H. vestita*, *H. elata* (in a hanging basket, about 1 m tall), *H. longifolia*, *H. scandens*, a prostrate sp. from Helidon, a tall (to 2 m) sp. from Helidon, a prostrate sp. (Mt. French), another prostrate sp. (wallum, near Noosa), and a small NSW sp..

A friend of mine has a purple leaved clone of *H. scandens*, but it flowers poorly compared to the usual form.

Letter from Dennis Cooper

6/6/95.....Now to hibbertias.

The five sorts of seed you gave me.

1. Copes Creek
2. Grass Stone Hill
3. "The Ceders"
4. *H. serrata*
5. *H. commutata*

I divided each lot of seed into four and planted them into trays. Two of each were smoked and I put one in the greenhouse and other outside. The others were used as controls - one inside and one outside. That was 7 June 1994.

7 August '94 - one of "The Ceders" up; not smoked and in the greenhouse. It was later potted up and later still put outside. Didn't like our hot sun and looked sick until I put it in a shaded spot. It is now growing well, over 20 cm high and starting to branch out.

3 April '95 I brought all the pots out and smoked three of them again; Copes Creek, "The Ceders" and *H. serrata*.

So far only weeds but there are a couple of something that may be hibbertias just showing. Will have to wait sometime to be sure.

Other than that one, less than one year old and in a pot, all I have are *H. stellaris* from last year's cuttings - three in pots and six in the garden and some to go to Ambergate Reserve. Several that I planted at Ambergate two years ago are still servicing even after the very dry summer.

Letter from Elizabeth Brett

.....5/5/1995

I'm unable to attend meetings but are still very interested in hibbertias.

H. aspera is taking over one bed - suckers profusely. Others to thrive are *H. pedunculata*, *H. empetrifolia*, *H. scandens* and I think *H. procumbens*. The others which are WA I can't key out.

Letter from Faye Candy

.....6/10/95

I read an article in an Australian gardening magazine about the increase in germination of seeds that have been treated with smoke, prior to sowing. I knew such experiments were being done at King's Park, WA and also in SA.

However, the article went on to say that at Kirstenbosch which is the registered trademark of the National Botanical Institute in Claremont, Sth Africa. "Instant Smoke Plus Seed Primers" are available and the price was in American dollars. They supplied their postal address and telephone number, which I rang, and they very promptly sent me a packet of their "Instant Smoke Plus Seed Primers".

They do state that their results are based on Sth African plants. I of course wanted them for those hard to germinate hibbertia seeds.

I have followed their instructions carefully with the seed that I had at the time. I have sown eight species of hibbertia; the seed was not fresh, some would have been at least two years old. That was on 2/20/95, four weeks ago, so far no result.

I rang Nindethana Seed Service in WA, they had seed of only four hibbertia species which they posted to me very promptly. Those seeds I planted only a few days ago. I eagerly await results - more later, I hope!!!

Update: One plant *H. lasiopus* germinated 30/9/95, potted up 2/2/96, died six weeks later.
Second plant *H. lasiopus* damped off not long after germination.

Hibbertia Revision

I have received from Hellmut Toelken his publication "NOTES ON *HIBBERTIA*. I. NEW TAXA FROM SOUTH-EASTERN AUSTRALIA", 1995 published by State Herbarium, Botanic Gardens North Terrace, Adelaide, South Australia 5000.

It will be no surprise to most members that we will see many more species and subspecies named owing to the great variation in the present named species.

I have copied some of this publication for your information - species, distribution and ecology.

Hibbertia cistiflora N.A. Wakef., Victorian Naturalist 72: 119 (1955).

subsp. ***cistiflora***

Growing in heath or woodland often associated with sandstone outcrops in central New South Wales.

subsp. ***rostrata*** Toelken, *subsp. nov.*

Found in heath or scrub vegetation, rarely in rock outcrops at high altitude and usually well above the forested areas of the Grampians, Victoria.

Hibbertia humifusa F. Muell., Pl. Victoria 1: 16, suppl. t.1 (1862).

subsp. ***humifusa***

Growing usually on sandy to sandy-clay soil but often near temporary moist places and usually associated with woodland, mainly on lower slopes of and the plains surrounding the Grampians, but has also been recorded from near Heathcote.

subsp. ***erigens*** Toelken, *subsp. nov.*

Growing on sandy loam in open vegetation often associated with woodland of *Eucalyptus blakelyi*, *E. macrorhymcha*, *E. melliodora* and *E. microcarpa* of central Victoria.

subsp. ***debilis*** Toelken, *subsp. nov.*

Known only from the type collection from wet heathland near Dergholm and urgently in need of conservation

Hibbertia incana (Lindley) Toelken, *comb. nov.*

Recorded from a wide range of vegetation including scrub, woodland and forest but often associated with granite outcrops. Known from New South Wales (CT, ST, CWS, SWS, SWP), south-eastern, central to mainly western Victoria and eastern South Australia (FR, EA, NL, MU, SL, KI, SE).

H. obtusibracteata Toelken, *sp. nov.*

Growing on laterite or often on ironstone in scrub vegetation or mallee heath on Kangaroo Island.

Hibbertia pallidiflora Toelken, *sp. nov.*

Growing usually in moist sandy soils sometimes close to temporarily flooded areas or often associated with surface limestone in scrub vegetation close to the coast and associated with mallee, particularly *Eucalyptus diversifolia*; in South Australia recorded from the southern Yorke and Fleurieu Peninsulas, Kangaroo Island and scattered through mainly the coastal areas of the South-East. Its distribution has been poorly recorded, which in part at least may be attributed to its elusive flowers. It is protected in several conservation parks.

Hibbertia sessiliflora Toelken, *sp. nov.*

Growing on winter-wet clay flats under scrub vegetation between or rarely under *Eucalyptus* woodland. Restricted to few localities in western Victoria and adjoining South Australia; the conservation status is in urgent need of review.

H. tenuis Toelken & R. Bates, *sp. nov.*

Restricted to low or open vegetation in permanent wet places in the vicinity of Mt Compass where its conservation status is highly vulnerable.

Hibbertia torulosa Toelken, *sp. nov.*

The species is known only from the type collection from woodland near Bemm River so that it seems to represent a vulnerable very local taxon.

Financial Report (as at 31 March 1996)

Balance at 30 June 1995			144.43
Receipts		172.00	
Bank charges	9.00		
FID	0.10		
Subtotal	9.10	172.00	144.43
Balance at 31 March 1996			307.33

Results of Survey

The results have been collated and are shown on pages 5 and 6. At this stage we are growing a small portion of the total hibbertia species. I am sure there are many SGAP members growing other species and it may be worthwhile for each member to make enquires.

	Total Planted	<1 yr	>1 yr	>2 yrs	>3 yrs	>5 yrs	>10 yrs	Total in Pots	<1 yr	>1 yr	>2 yrs	>3 yrs	>5 yrs	>10 yrs
acicularis	3	1	2					1		1				
amplexicaulis	1	1						1		1				
aspera	9	2	1	3	2		1	2	1	1				
cistiflora	3	1		1	1									
cistifolia	1			1										
cuneiformis	3			3				1	1					
cunninghamii	3	2		1				2	1					
dentata	6	3				2		4	2	1				
empetrifolia	9	2			6	1		2	2					
exutiaces	1			1				1	1					
fasciculata	1	1												
furfuracea	1		1					1	1					
glaberrima	1			1										
grossulariifolia	5	3	1		1			2	1	1				
humifusa	4	2	2					1			1			
hypericoides	4	2			2									
linearis								1		1				
longifolia	2	1				1		2		1	1			
microphylla	5	4		2				2	1		1			
montana														
obtusifolia	8	2	1	1		3		2			1			
pedunculata	6	1		1	1	1	2							
perfoliata	3	1		2				2			2			
potentilliflora	1				1			1		1				
procumbens	2	1				1		1	1					
prostrata	2	2						1			1			
racemosa	2	1			1			1		1				
riparia	4	1	1		2			1	1					
scandens	8	1	2		1	1	3	2	1	1				
sericea	4	1		2	1			4	3	1				
serpyllifolia	2	1				1		1	1					
stellaris	3	2	1					6	3	3				
stricta	5	3	1			1		2	2					
vaginata	1			1										
velutina								1			1			
vestita	7	3	1	1		2		1	1					
virgata	1			1										

	B. Buchanan	E. Brett	F. Candy	R. Pearson	B. O'Neill	M. Barnett	A. Kerr	K. Cornwall	P. Shiells	K. Davis
acicularis	x						x	x		x
amplexicaulis			x				x			x
aspera		x	x	x	x	x	x	x	x	x
cistiflora			x	x	x					
cistifolia			x							
cuneiformis	x		x			x			x	
cunninghamii	x		x		x		x			x
dentata			x	x	x		x	x	x	x
empetrifolia	x	x	x	x	x	x	x	x	x	x
exutiaces	x		x							
fasciculata						x				
furfuracea				x	x					
glaberrima	x									
grossulariifolia			x	x	x		x	x		x
humifusa			x	x	x		x			x
hypericoides			x	x	x			x		
linearis								x		
longifolia							x	x	x	x
microphylla	x		x	x	x		x	x	x	x
montana			x							
obtusifolia		x	x	x	x	x	x	x	x	x
pedunculata	x	x	x	x	x		x			x
perfoliata		x	x		x		x			x
potentilliflora										x
procumbens			x		x				x	
prostrata								x		x
racemosa				x	x					x
riparia			x	x	x		x			x
scandens	x	x	x	x	x	x	x	x	x	x
sericea	x		x	x	x	x		x		x
serpyllifolia				x	x			x		
stellaris			x	x	x	x	x		x	x
stricta			x	x	x	x	x	x		
vaginata	x			x						
velutina										x
vestita	x		x		x		x	x	x	x
virgata	x									

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