



Hunt Institute for Botanical Documentation
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

6 June 1964

Late Bloomers, conspicuously so, all older plants.

Matsunome
Shinsei
Musashino
Otome
Sakuragata

Nihon no Hikari Warai-gishi
Fukurokuju
Tamahota
Gyoten(?)

There are of course stray flowers on many others, and

Jindai while conspicuously late, and still with flowers, is not as conspicuously late as those above.

My own old plants of Tamasugata are long over, but now June 17, the plant from Hohman sent me years ago, is in full bloom. The blooms are all on a new shoot, as the older portion was broken off by a falling pecan branch.

Satanaki =

1. Definition + conjectured local
background -

2. Description of plant =

Height - ~~no~~ - Habit (not all dwarfs)
Effect of altitude - site
Leaves - ~~erect~~ - Type - variegation
Flowers = types - leaf colors -
Range of fl. time +
Colors -
(early flowering in small plants)

3. Culture -

In open ground here only -

In Japan - largely as Bonsai
Trees?

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4. Hardiness - related to - ?

4/17/65

Shyugatsu - check spelling -
Get one more fern

Adzuma no Hana ✓

Ai Koten ✓

Aksbono ✓

Asahi ✓

Bai seten ✓

Bangaku ✓

Banjo ✓ too small?

Banka ✓

Bankō ✓

Barō ✓

Bansei ✓

Banya no tsuki ✓

Banzyo ✓

Benigase ✓ (too small?)

Bene kinin ✓

Banka ✓

Chigo sugata ✓ too small

Chinssai ✓

(Chingam) see Hana Fubuki

Chitree Nishiki ✓

Chiyo no Hikari ✓

Chojn no Swai ✓

Chigo no tsuki
no leaf?

Chukyū no hana ✓

Dai shukai ✓

Eikan ✓

Eiken ✓

Fuji Nishiki ✓

Fukue musume - no drawing

Fukue otokujin ✓

Teika

Teikkai ✓

Teitoku ✓

Tohi Nishiki ✓

Tsunagi

Tsumpo ✓

Tsunsei ✓

Tyoko ✓

Tyokushin ✓

Tyokuyō ✓

Tyoten ✓

Tyotoku ✓

Hakatahaku too small ✓

Hakatahiro ✓ ? Hana Fubuki

Hatsugasume ✓

Ham no Hikari ✓
Heiwa ✓
Heiwa no Hikari ✓
Higasa ✓
Hikari ✓
Hinaku - no drawing!
Hitomaru ✓
Hosoten ✓ 1+2 ✓
Hōkō ✓
Hōtoku ✓
Homare no Hana ✓
Honon ✓
Hosaijan ✓
Hōroku ✓
Hosai ✓
Hortogisu ✓ 2
Iko no tomo ✓
Issho no Ham ✓
Issyo no Hana ✓
Issyo no Hikari ✓
Izayoi ✓

Jindai ✓ (2) 2 ✓
Johga ✓
Kagetsu ✓ (today for m.f.)
Kagetsu mujō ✓ redo
Kaku ✓
Kaigetsu ✓
Kainaku ✓
Kakō — ?
Kanki ✓
Karaito ✓
Keisetsu - no that?
Kikoshu ✓
Kijetsu ✓
Kinsai ✓ redo
Kogetsu ✓
Kohan no tuki ✓ (2)
Kōkoku ✓
Kōnaku ✓
Kotobuki ✓
Kōzan ✓
Kusudama ✓

Lakeika alba ✓
 Matsun no Hikari ✓ (2) Mai Home ✓
 Matsumaru ✓
 Maichō ✓
 Mei-hō ✓
 Mei-sei ✓
 Miyo Jiyō ✓
 Musashino ✓ (2)
 Myōdō ✓
 Myōjō ✓
 Nanta Nishiki ✓
 Nichirin ✓
 Nishin no Hana ✓
 Hikko ✓
 O Sakasuki ✓
 Otome ✓
 Reika ✓ to small
 Rōgetsu ✓
 Sakurageta ✓
 Sakurayama ✓ to small
 Sanko no Tuki ✓
 Seikai ✓
 Seigetsu ✓

Seikai ✓ 3
 Sekai-nishikan ✓
 Seiko no Tuki ✓
 Seigwa ✓
 Seimon ✓
 — Seisyo no Tuki ✓
 Shihō ✓
 Shikigawa ✓
 Shikyo ✓
 — Shinryo no Hikari ✓
 Shinryo no Tuki (2)
 Shinryo ✓
 Shintayo ✓
 Shogetsu ✓
 Shogwa ✓ small?
 Shoshi no Hana ✓ to small?
 Shozui ✓
 Shuho ✓
 — Shuchaka
 Shunpō ✓
 Shansoku ✓
 — Shyugetsu

Sichō ✓

Sui-fu ✓ — Syunkaku ✓

Tai fukur

Tai Hai ✓

Takan no Hikari ✓

Tamahota ✓

Tamagiku ✓

Tamasugata ✓

Tatsunomi no Hikari ✓

Tenji-ku ✓

Tsuyosata ✓

Tilayo no Hishiki (Bokuto)

Tochi no Hikari ✓

✓ Tochi no Homare

— Tsuki

Tsuki no Bukusa ✓

— Ungetsu

Hakakoma ✓

Wanai-gishi ✓

Yama no Hikari ✓

Yamata no Hikari ✓

Yata no Kapani ✓

Yayoi no tsuki ✓

Ajōzakura ✓
Yorozo no Kapani ✓
→ Junio ✓

Adzuma - no - Hane	Junsei	Kagetsu - muiji (spotted)
Aikoku	Gyoko	Kaho
Akebano	Gyokushin	Kugetsu
Asahi	Gyokuyo	Kairaku (2 fls)
Baisetsu	Gyotan	Kankei
Bangaku	Gyotoku (2 fls)	Karaito
Banjo	Hakatahako	Kugetsu
Banka	Hakatahoro →	Kikoshi (2 fls diff)
Banō	Hatsue g asume	Kinrai
Bansei	Haru - no Hikari	Kogetsu
Banyo no tsuki	Heiwa	(not # kitsu)
Banzyo	Heiwa - no - Hikari	Kohan - no - tsuki (2 sheet)
Benigasa	Higasa	Kokoku
Benekirin	Hikari	Konaku
Bunka	Hitomaru (2 fls)	Kotobuki (2 fls)
Chigosugata	Hoetsu #1	Kozan
Chinsai	Hoetsu #2	Kusudama (2 fls)
Chiragan	Hōkō	Laternia alba
Chigo no Hikari	Hōkoku (2 fls)	Mai Hime (2 fls)
Chigo no Tsuki (2 sheets)	Homare - no - Hana	Matsu no Hikari (2 sheet)
Chojū no Iwai	Honen	Matsunome
Chukyu no Haru	Horaizan	Meicho
Dai shukai	Hosai	Mei hō
Eikan	Hototogisu (2 sheets 3 fls)	Mei sei
Eiken	Hōnaku	Miyō - Tiyo
Fuji - Nishiki	I Koi no tome (2 fls)	Myochō
Fukumidume	I shō no Haru	Myōgi
Fukurokujū	I syo - no - Hana (2 fls)	Musa shimo
Gekka	I syo - no - Hikari	Nichirin
Gekkaikan (2 fls)	Izayoi	Nihon no Hikari
Gettoku	Jindai	Nikko
Gobi - Nishiki	Johga	Osakazuki
Gumpo	Kagetsu (Andersiform)	Otome
Junrei 34	33	32

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Reika
 Rōgetsu
Shumpō

Sanko no tsuki
 Sakuragata
 Satsumayama

Schuchika
 Seidai
 Seigetsu
 Seika (2 ps)
 Seika - no - Hikari
 Soko no tsuki - (2 ps)
 Seigwa
 Seion

Shinkigen
 Shinkyō
 Shiminyō no tsuki - (2 sheets)
 Shinsei
 Shintayo
 Shogetsu
 Shogwa
 Shoshi no hana
 Shozui
 Shui hō
 Shumpō
 Shunroku
 Shyugetsu 28

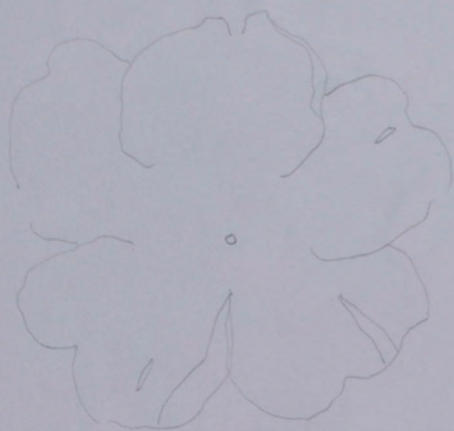
~~Shumpō~~
 Suifu
 Tai fuku
 Tai hei
 Tataka no Hikari
 Tamahota
 Tamagiku
 Tama sugata
 Tatsunami - no - Hikari (2 sheets)
 Tenjiku
 Tigo sugata
 Tikyō no mishiki
 Tochi no Hikari
 Tsuki no tsukasa
 Ungetsu
 Wakakusa
~~Wakakusa~~ Waraigishi
 Yama - no - Hikari
 Yata no Kapami (3 ps)
~~Yama~~ Yamata - no - Hikari
 Yayoi - no tsuki
 Yzakura
 Junio

69
 22
 28
 119

Lost-sheet of Keisetsu! ↙
 120

Myochō

5/14/65



5 stamens -
anthers dark
longer than pistil -
filaments +
style of pistil
same color as fls

Self - between Variation Pink → Rose Pink

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The few flakes are white

Very round flower as above - no trace
of blotch area

Hō Kō

5/13/65



5 stamens, longer than
 pistil - anthers brown
 not conspicuous -

The ground color (base) is La Touche Pink
 no white shows save as a rare flake -

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The ~~ground color~~ ^{with many} ~~is~~ ^{of} Geranium Pink + a few larger
 flakes of Rose Dacé

no sign of blotch area in any flower seen!

There are some large flakes that appear
 on the back of petals + do not show through. Most
 flakes appear both front + back

This is a very striking color - carries as
 a clear salmon pink!

Jungferm - 4/9/65

16 stamens

Second flower on drawing sheet -

The deepest part of shaded border is Rhodamine Purple -
This blends (lightens) into Mallow Pink + that in turn
lightens to almost white in center -

The dots of blotch area are very distinct
Lumiere Green - but count in general effect, merely
as a greenish shading in center of flower -

anthers each conspicuous - brownish -

filaments white -

Style white -

Fuku musume

4/9/65

7 stamens -

Second drawing on sheet made to-day -

The flame-like central pattern in color



is deepest near margin of petal-lobe -

Mellow Purple - grows lighter as it passes toward center of flower - paler than Mellow Pink - → toward white -

The dots of blotch area are few + distinct - Mellow Purple - and empty, not as much as color

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the tip of lobes -
anthers dark - brownish -

filaments - white -

pistil - tinged Mellow Purple near the style -

Syun-raku

11/16/64



Stamens 5

filaments pink
anthers dark

pure pink
green

white
not full. Tyria Pink

dots Tyr. Rose ~~red~~ → Amaranth Purple
shiny -

pale Amaranth Pink



Stamens pale - anthers dark

flesh of pale pink
paler than Pale Amaranth Pink

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There are a few pure white
more pure white with pink flesh
from center over each of 5 lobes (base only)
for then last filaments are white -

The pistils follow color pattern as in stamen filaments.

The 2 lower lobes are definitely smaller than upper 3 -

check drawing of Hottel

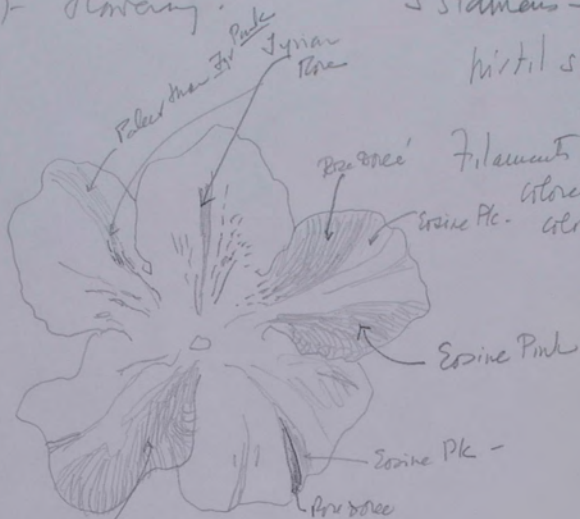
June 6 1965

Clayo no Hara

First Flowering?

5 stamens - 6

filament shorter than stamens



Filaments white or
glow - whether over
also sectors in red

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no genuine 'blotch area'

upper lobe shows as indicated

Sectors as indicated -

Flower collapsed in heat of day (over 90°F)
in spite of adequate watering -
no shade -

no other fls in sight - Plant vigorous -
leaves narrow - habit somewhat erect - very tussly -

Seisyo no touki

5/27/64

Fls as cluster
73?

New plant -

all are darker at or toward styles
as if "tipper"?

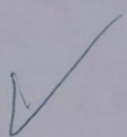
1/2 size?

flaments white
anthers dark
conspicuous



Deep Rose Pink

dots distinct but not
heavy - light summer green
in flesh & light
chalcotry
yellow



Namba -
Namba - Mishiki

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this is Scarlet Red
in reverse
& shows through as
Shiny Pink

Scarlet Red

Faint green tint - no dots
flaments white, 4 left over
scarlet tints -
most are reddish
& that
anther alone
is dark
brown
red

Chitose. Mushiiki

5/16/64

new plants -



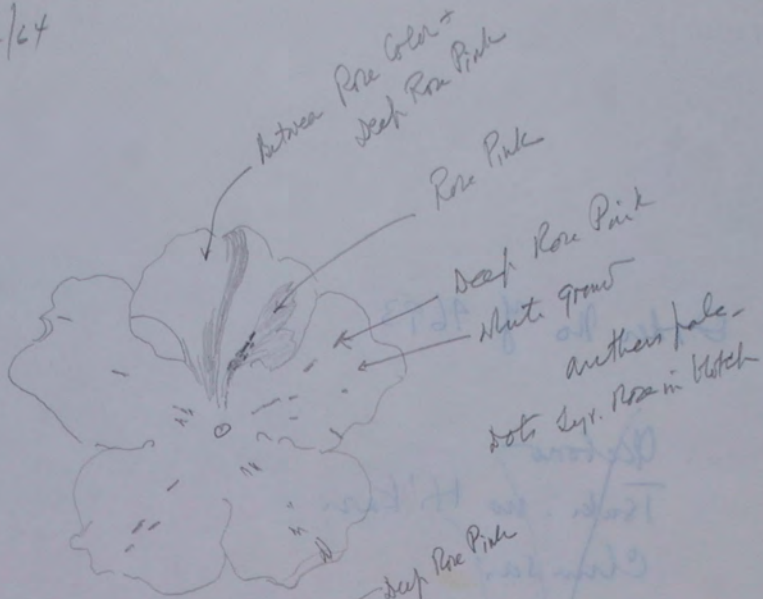
darker than deep Rose Pink
but not quite
Rose color ✓

usually 2 to a heart
often with me

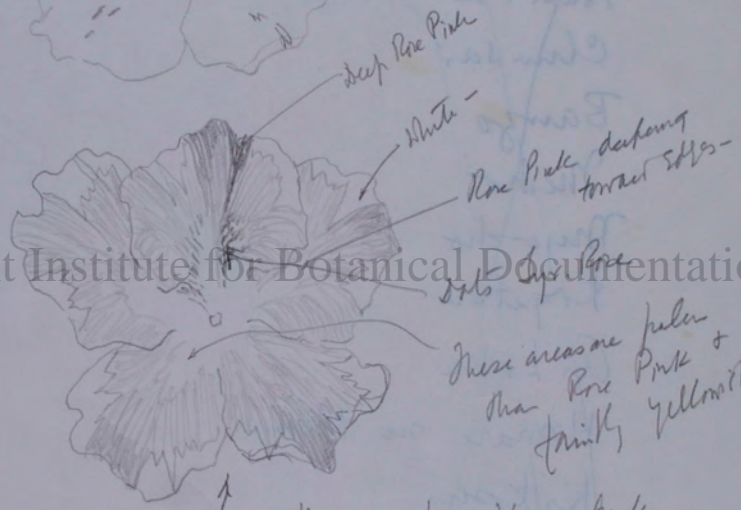
sectored flower as
shown - not faint
yellow color in blotch
area -

filaments ⁽⁵⁾ in sectored area
✓ lobes, others white
anthers ~~with~~

5/12/64



Chun-tai?
 Haru no Hikari
 Horiigan
 Kitashi
 Myocho



5 stamens -

↑ anthers in this flower look

not seen
 Hatsu no Hana
 Hotsu no Hikari
 Inai no Haku
 Shin'en
 Tachi no Hamae
 Tachi no Hikari
 for pomika naming 5/13/64

anthers tend to be lost, spready laterally -
 There are also pure white flowers

Order No Y. 4693

~~Akebono~~

~~Tsuki no Hikari~~

~~Chinisan~~

~~Banzo~~

~~Meiho~~

~~Myocho~~

~~Kogata~~

~~Aikoku~~

~~Honare no Hana~~

~~Kikoshi~~

~~Nippon no Hikari~~

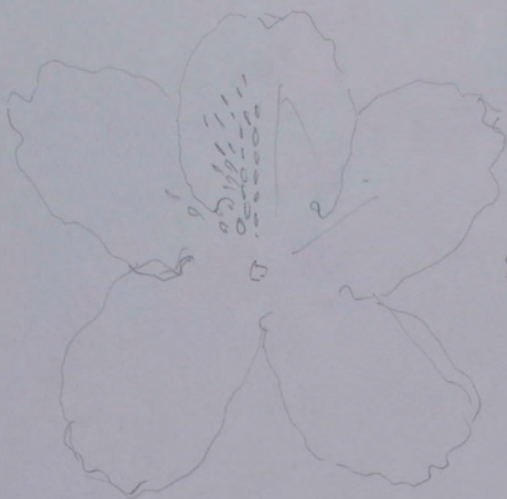
~~Senko no Tsuki~~

~~Seika~~

~~Chigosugata~~

RAK^uYO 274730
check fully!

8/30/65



16 stamens -
vein length -
anthers almost
hook -

Margins somewhat
sinuate but not
really fringed -

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see base of leaf
color - Lyr. Pink -

Somewhat close to Jai Hai -

KUMO NO UE 274728

3/30/65



Ground color = Rosin Pink - fading (2) tinges of Hermon Pink

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Stems on ground upper lobe Amaranth Pink

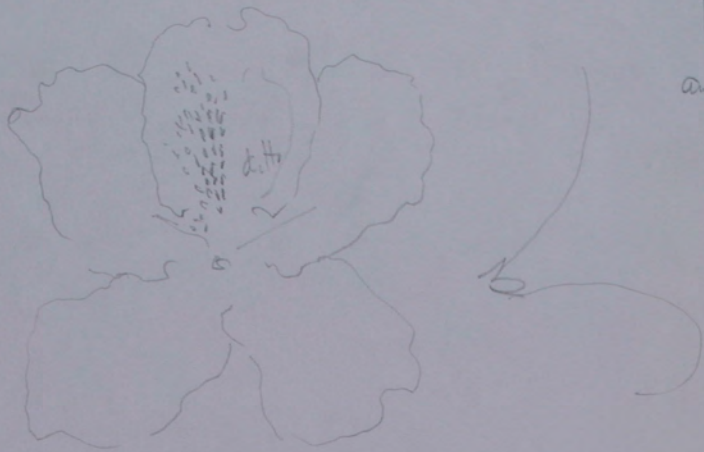
Dots of black for Pink → for Rose
dark in throat

Flaubs - 4 Pistil, Apr. Pale - anthers dark

by formal sketch

SHIN So 294733

8/20/65-



10 stamens -
anthers almost
black

Digitized by Hunt Institute for Botanical Documentation
 Grand Old Pink
 Sol's Ivy Pink

Margin narrow - Some dark

TAI HAI

274734

8/30/65



16 stamens -
 anthers almost
 black -

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Margins nicely fringed, almost ruffled
 not filled!

Dr. J. Rose -

Jim is the last fl. to date
 by open face

274708

Mar. 6. 1965

Haru-no-Hikari



10 stamens -
usually
2 fls per bud -

Foliage ~~per-~~
as green
This kind of fl

Mid Jan -

First - Jan 16 (28°)

all fls on
plant left outside.

This plant
Arrived in the greenhouse
for bloom -

Has been in fl
since Jan 28 -

Nov Mar 9 -

OK

Basic Ground color - Pale Amaranth Pink

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Color concentrated in center of each lobe

slightly darker on edges -

Notes in Hatch very small - dense -
area is diagrammed - below -
Fuchsia Rose + Amaranth Purple -

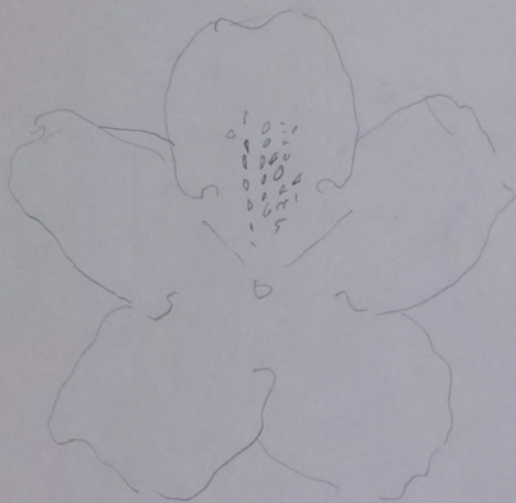
There is an undertone in basic
ground color, that suggests yellow saff.
but this is a guess - as if washed with
La France Pink -

There is a marked change in
effect as fl. ages - lightening but
color in middle of each lobe remains - much stronger in reverse

3/22/65

274726 - IRAN

10 stamens
anthers dark



Tyrian Pink -
darkening → Free color
in center

This is a deeper fl.
than Haru - w. Umi
(more funnel-shaped)

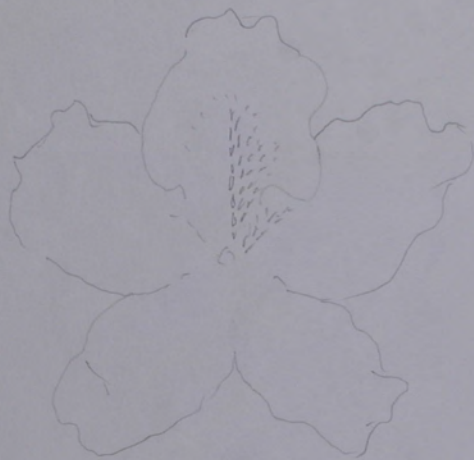
debt Tyrian Rose
coarser than in
Haru no Umi
and look darker -

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Magnificus low stamens
than those of Haru no Umi
flamants for the

This is just coming into bloom 3/22/65

274709 — HARU — NO UMI

3/22/65



10 stamens
rather dark
all flowers fallen by
this date -
opened 3/15/65

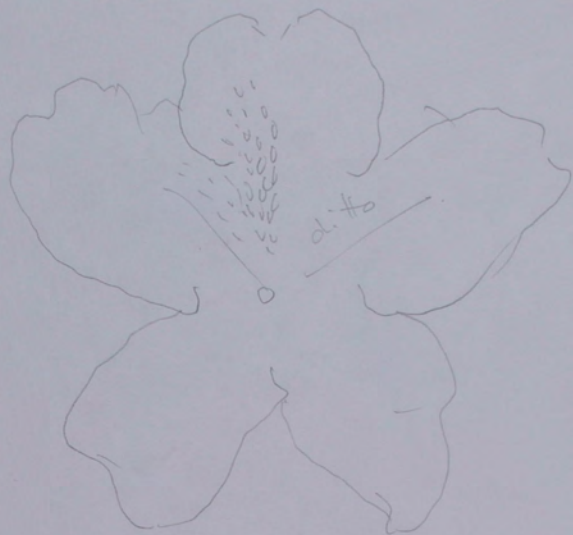
Jyrian Pink
shades toward Rose Color
in center +
deep inside

SEKIYO

274723

8/20/65

Stamen



Petal color - Indian Pink

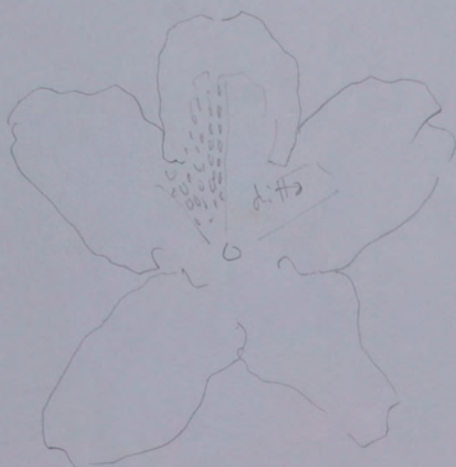
Digitized by ~~Hort~~ Institute for Botanical Documentation

Filaments + pistil - Sep Rose -
anthers dark

Hsiwa no Hikari 274710

3/30/65

10 stamens



Flower color = Eosin Pink - Flushed toward edge throat
Regina Rose -

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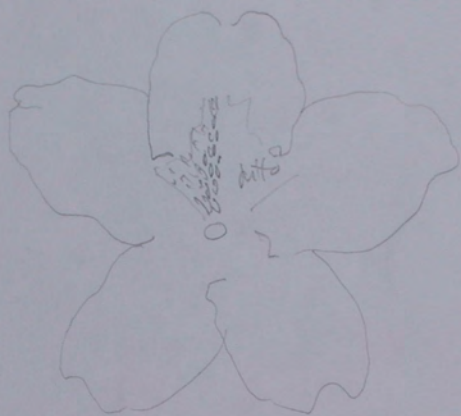
Petals distinct - small - Amaranth Pink -
they give a bar-flush on upper lobe

Flamé match flower color - anthers dark
Pistil almost white, stigma greenish

JENJIN

27425

3/30/56



16 stamens

ray disk

Pink normal

Pink amaratti Pink

Discs clear - Jyr. Rze -

The whole throat (deep) flushed Jyr Rze

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Back of corolla almost Rze Rze

4/22/65

Rh. wapaiaii

This has been in fl. about 5 days -
Fls. usually 3 to a head -
definitely funnel-shape, 5-10 stamens -



— a little small!

Basic color = between Eosine Pink → Geranium Pink

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upper lobe only fluted (almost completely)

with Amaranth Pink over the base color -

dots of white few - very Rose - but conspicuous
upper dots - hard to see -

Filaments + style - Rose color!

Anthers - almost white - (yellowish)

Valo

4/30/65

Plant fr Schreberia in Calif
not very hard - here ??

Flowers more or less like Jilga - leaves
almost orbicular -

Flora small - $1\frac{3}{4}$ - 2" - corolla
lavender - single - 16 stamens - pistil longer than st.



It is not really a light center!

pale thro - Pale Ampere Purple

Hint of almost Pale Lavender Green

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bits of black area distinct darkest at junction
of upper lobe with side lobes - paler as they
ascend on lobes - From Purple → Violet Purple

5/10/65-

Curcuma petiolata

upper bracts are Phlox Purple at
tips - gradually lightening toward base
where they show as paler than Phlox
Pink - but not white

There are three (.tiers) (?) of green
bracts of which only the upper most
show any tinge of purple - from edges -

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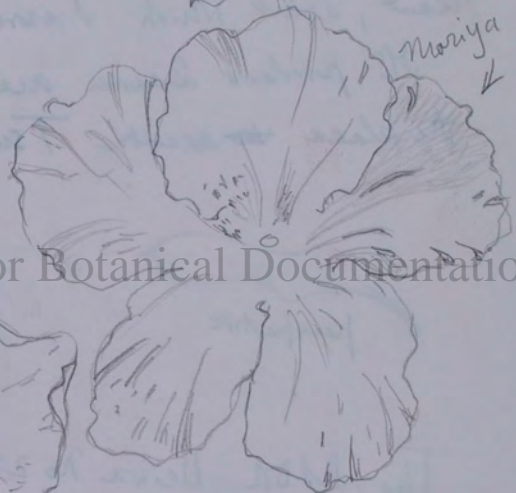
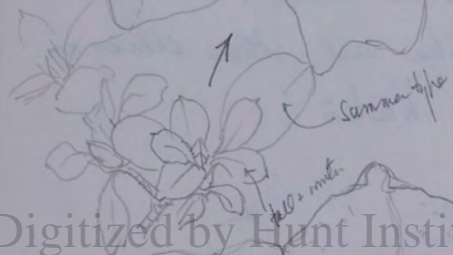
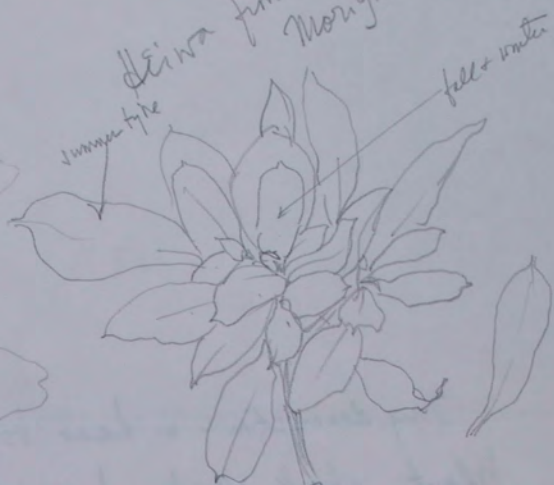
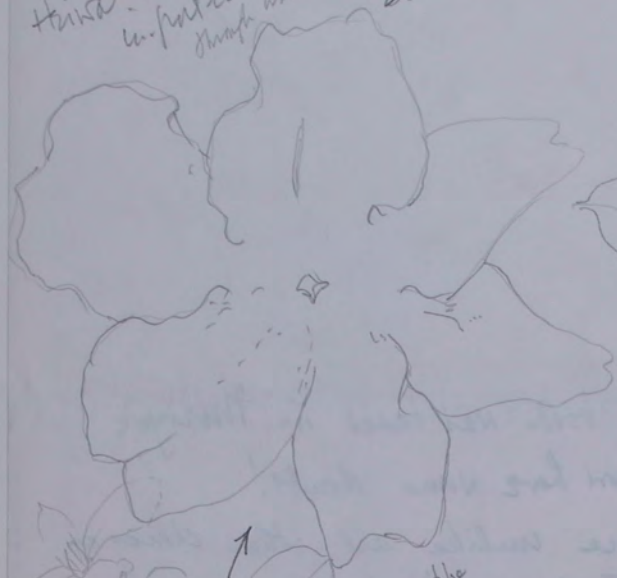
The flowers are near white with
a lemon yellow -

On first day, the color scheme
was redder, i.e. - Rhodamine Purple →
to paler than Mallard Pink

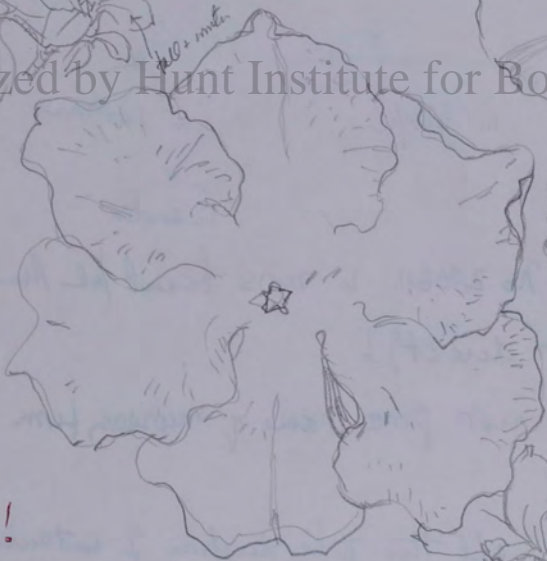
Please return

Hirwa as
w. perfect!
through
3 plants

Hirwa from
Moriya!



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See
other
side.

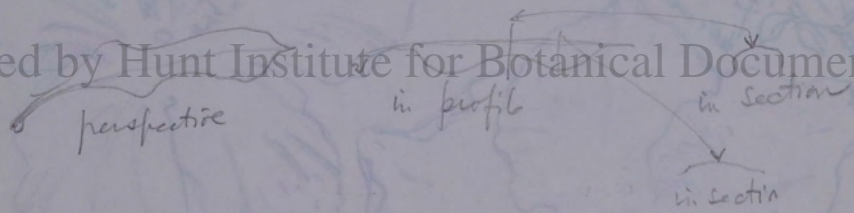
Hirwa
as from WSA 7.1,
280611 (3 plants)

Oct 2, 1965

My description in Lee's book was based on Moriya's plant, about which I now have some doubt!

Its pinnated leaves are unlike all other clones in the place ~~the~~ except Tsuki & Wakō!

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The USDA Heiwa No 280611 is more beautiful than the plant I imported directly!

Mr Lee's book does not give name of nursery firm which it was bought!

Nor does he list - all the introduction of satsumas

280611

280611 (copy)

280611

KOTOBUKI

Please return this sheet to me!

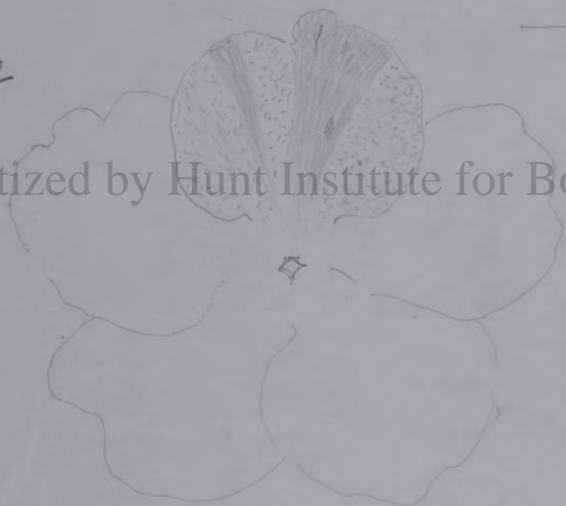
#1



Growth color of flowers white.
 flecks + dots
 Stamens short + anthers
 almost black!
 All flecks, dots, etc are
Pale Amparo Purple
 Ridgway color

Growth habit, broadly
 spreading, Plants now about
 5 yrs + only 14" tall + 15-18"
 broad.

#2



Growth color of flowers white
 but except in the occasional
 white flower, is so completely
 covered with fine, pink
 stippling of — *

that most flowers appear
 to be pale pink. Sectors
 are only a little darker
 than stippling -
 no blotch area -
 Stamens long +
 anthers brown

#1 - was imported by me via Arai + Co -
 source unknown to me

#2 - was imported by a friend of mine
 from Yokohama Nurseries!

(over)

* Between La Trava Pink
 and Geranium Pink

Ridgway color
 Growth habit tends to be
 upright - Plants only 3 yrs
 about 12-14" tall.

I have looked at the description you sent me
in the long list of descriptions and I would think
from it, that my own importation is correct.

Have you any idea what the plant from
Yokohama Nurseries could be?

It does not resemble any clone that I now
own.

Personal Description 11/16/25

Frederic Lee



Jasper Red
Rose Lorie
pink &
Peruvian Pink
Between Chatterbox Pink &
Jasper Pink

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alternating - blotch area more conspicuous
in one lobe of outer series - Dist distinct but not
P. 6th or 7th - no stamens - very conspicuous

Plant habit - erect + not widely spread -

Later - then flowers stems up to 18 petals
the innermost small - but not exactly "petaloid"
white or light pink - parabolic



9/17/64

one bulb for
Parks - white?

Scape about 14"

Almost yellow
Streaks - center (line) see above

Capucine Orange
→ Capucine bulb

Put beside Franki - it
appears even more "pinkish"

anthers pale - petals yellow -

This is paler than the
fawn yellow I saw Caldwell
for the "Gullie" stock of alb. flora!



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3 (not a white)

between Marze Yellow + White

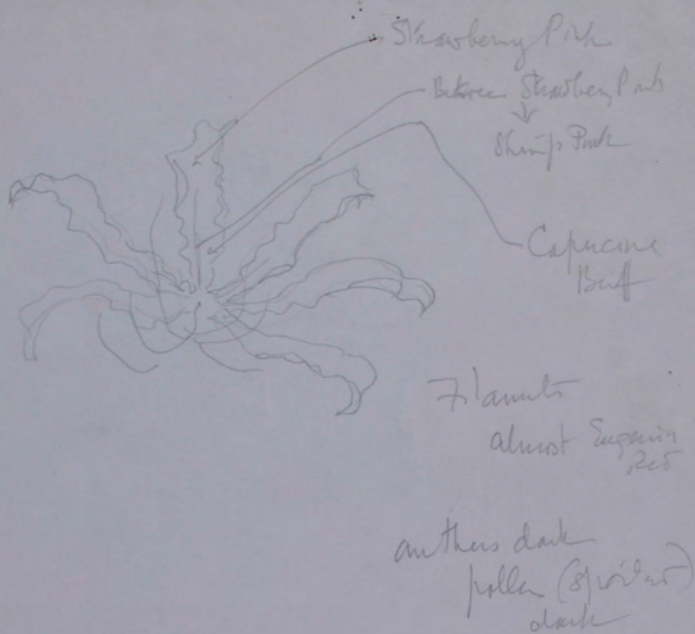
of anthers flushed

Shrimp Pink

No hint of pale
in segments as is the
case of # 3.

anthers dark -

Lysichiton radiata form
+ carriage -

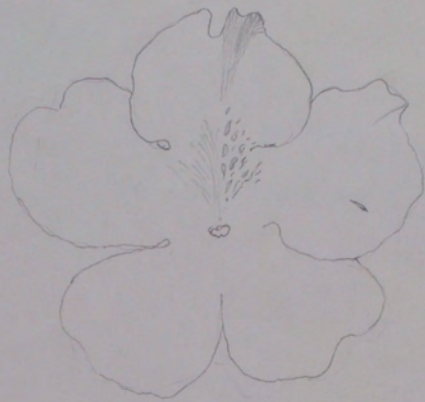


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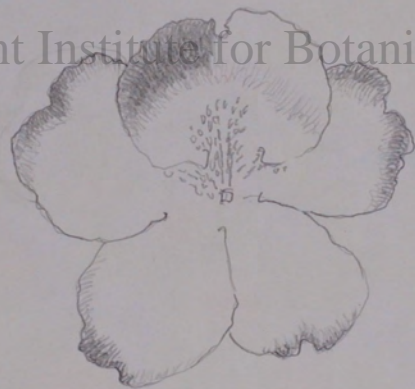
Mr. Laurier Herbar

Box 61-7

Chapel Hill, D.C.



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Shingugitsu 5/9/61
redrawn 2/26/64

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Lava drawing 4/9/65



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Hakatahako (date — 1960)

Redrawn 2/20/64

too small 65



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New sheet = transfer from old, making larger to scale
yth 5 flowers

Pekkakan May 8, 65

5- or 6 stamens (5 or 6 lobes)

Sketch area = dots distinct - Syria Rose -

the area under them Jyv. Pink

by drawing.

Specimens variable flowers - but petal (lobe)

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shape is characteristic in the sheet & the plant

Smiling in garden - seen on small plants

Drawing not "finished" 5/8/65



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Shyungtsu 4/17/65

Basic (most frequent) color pure white.
dots of blotch area, small, distinct, Yellow Green

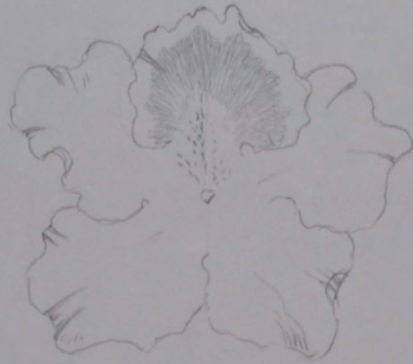
next most frequent (right hand upper)

White ground, flushed as shown Pale Amaranth Purple.
Dots of blotch distinct larger than on
white flower - color - Deep Vinaceous

Only one marginated flower as yet - True Purple
Dots of blotch area small, distinct, color - Calistoga Green

Stamens often with short filament -
Filaments almost white, anthers dark brown

n.B. This apparently is not in the written notes.



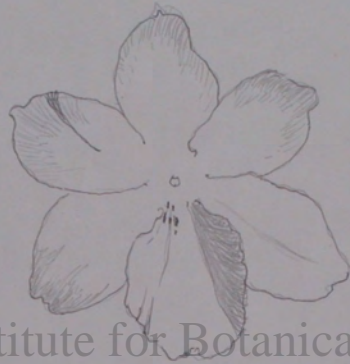
Digitized by Hunt Institute for Botanical Documentation



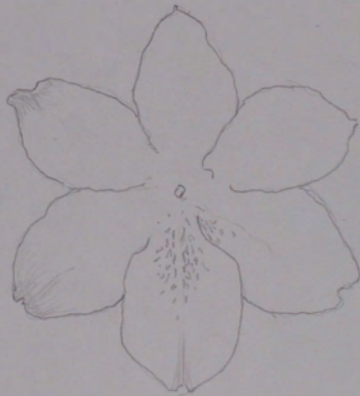
Fuke muscivore 4/22/61
redrawn 2/19/64

This comes also as a pink-bordered
white line same in flower Sep 21 60

Lava drawing 4/9/65 — 10 stamens



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g Sekkakan 6 May 64

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1965 =

just flowers too small?



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5/19/65

5 stamens -
anthers light brown

~~Jodi no Hamare~~

Korojo } no Kani
Yorojo }

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Stamens + large flake
light flake - Pale Amer. Pink

Many small flake + dots

Blotched area in this flower

Sulfur yellow - dots not distinct
The one area shown darker was a flake
with Iron Rose dots



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Jodhi no Homare

4/19/65

~~Yorogol~~
~~Korogol no Kanu~~

All stamens flake - Rose Color → Old Rose -
(a few flake - Rose Pink)
det. etc - Rose Pink -

Digitized by Hunt Institute for Botanical Documentation
~~det. etc - Rose Pink -~~
dots small here = less confluent

Stamens 5, stent?, anther dark - constrict.

This is a first flower - Check!



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Kagetsu-muji

Kagetsu-muji - 226147

White with dots or small flecks of - Amaranth Pink
the margins is shown - Rose Pink with darker edge of Rose Pink

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There is also - pink spot - Sap Rose Pink

Flament white anthers brown

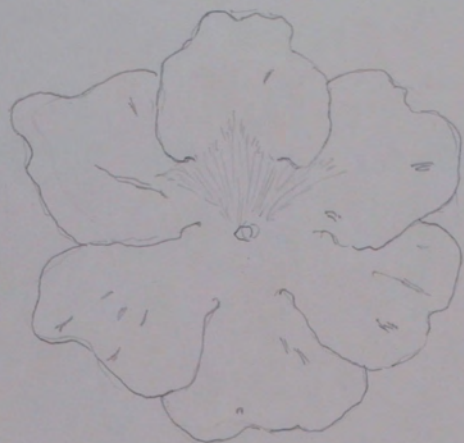
6 stamens on 6 lobes -
Otherwise regular

4/24/64

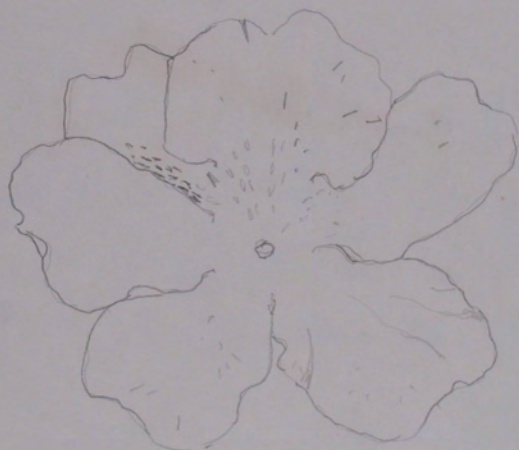
this textured? or substance?

Two plants for USDA - PI.

They do not match plants sent earlier
see other sheet.



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Sihō 5/7/64

refer to
Shihō

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Lower flower - 4/19/65

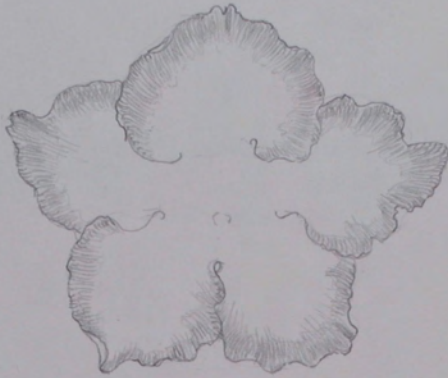
white - flakes etc - Light Phlox Purple

the one area with dots is light Phlox Purple
ground, with dots of Violet Purple -

Blotch area not showing - dots

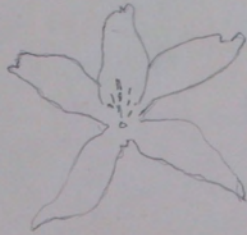
Pale Green - yellow -

Stamens - anthers dark, not conspicuous



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Kage^msu - borders form 4/14/61
redrawn 2/22/64



Digitized by Hunt Institute for Botanical Documentation

Kinsai

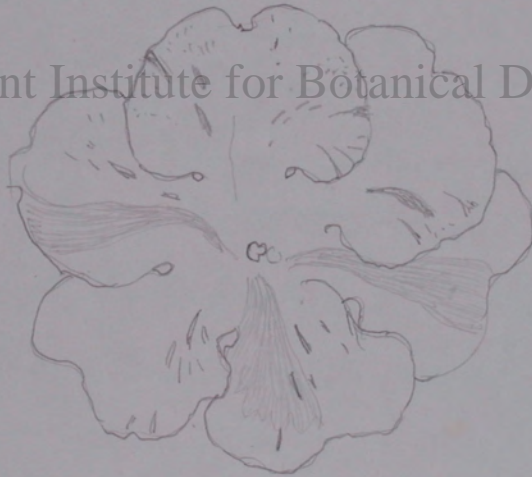
normal flower 5/5/61

redrawn 2/22/64

add split corolla type



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Sankō x mo x Ysuki ^T 6/20/62

redrawn 2/26/64

For small 1965!

Digitized by Hunt Institute for Botanical Documentation

label read only Sankō or Sanka?

The whole white surface is covered with tiny dots + some flakes of varying size, most small - of Geranium Pink.

The 3 band (stripes) shown are La France Pink - deepest in tone near center, these are the same on reverse -

There are some flakes on reverse side that match some on surface + others that do not - + do not show through.

Little evidence of Ketch men - filaments faint pink / pistil / ditto anthers dark but not very conspicuous -



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Matsu no Hikari

(Wealden -
Yokohama
Nursery 6
plant)

One flower only Nov. 29, 1965

Drawn 11/30/65

If this is typical of spring bloom 1966
re write descriptive notes -

Color descriptions to - summer Dec 1, 1966

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The darkest spot (one only) between Jay Red + Amaranth Purple
The tiny flakes on base or near base of upper lobe (only)

are same -

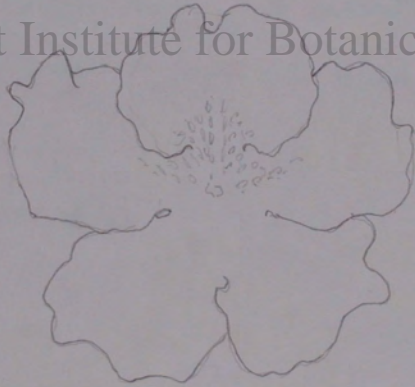
All other large flakes + spots + dots are Teal Red
except the one pale flake margin of upper lobe is
that color on reverse + shows through as Shrimp Pink
There is a transition area of Shrimp Pink between the
large marginal flake + the white basic color -

If one looks very closely, there is no more than
a hint of pale green in blotch area -

Feature a little thin?



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Kokobuki (date — 60)

redrawn 2/25/64

Lower flower from newly imported plants 1964
May 11, 1964 — Stamens — anthers light brown
substance firm — very sinuate
margin —

Blotch dem dots 7

Light lumines Green



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Adzuma - no - hana (? 4/14/61)

podrawn 2/26/64

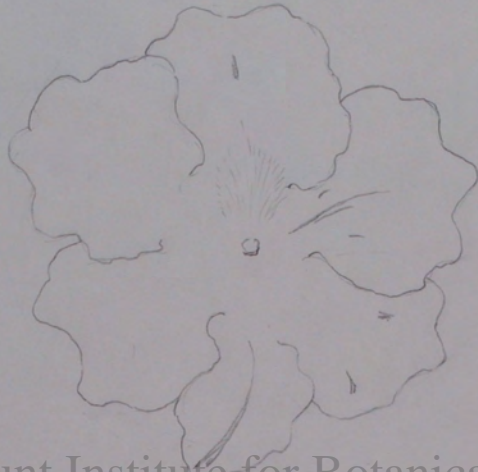


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Aikoku (10/22/61) — granifera
venfy —

Redrawn 2/24/64

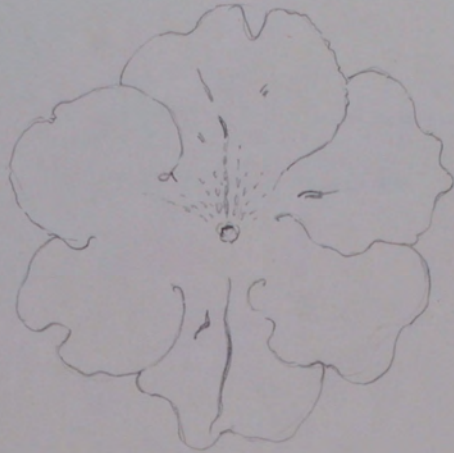
OC not of same



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Akebono 5/24/61 (check)

redrawn 2/24/64



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Bangateu no date
redrawn 2/19/64



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Banka

4/25/61

redrawn

2/28/64

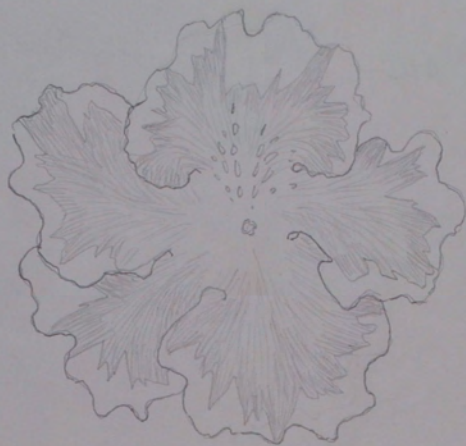


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Banjo (date - 1960)
Redrawn 2/20/64

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? Too small to



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Nai Satsu 5/8/64 — new plant 1964



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Asahi 4/25/61

redrawn 2/28/64

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Lower flower 4/16/65

Checky Oct 18/1965

usually 6 lobes

the near white fls have a few flakes (long)
more slender - same stippling - all Sossin Pink

In the one flower (now Oct 15, 65) the sector is

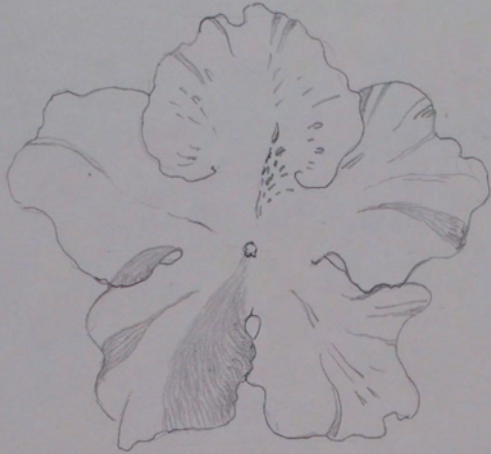
Begonia Rose Miteh area - if present, light Viridivine/Yellow
+ any stippling in it are darker than Begonia Rose -

Stamens short - anthers dark but not black
in some fls - pistil + stamens seem short!



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Bankō June 4, 1964 — newly arrived plant



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Wansee 5/24/61

Madras 2/24/64

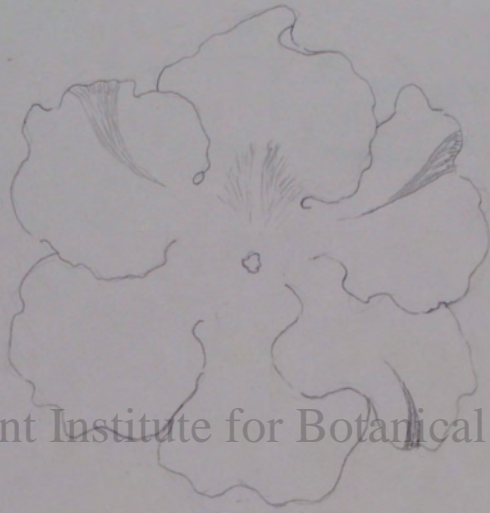


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Bangyo — 4/30/64

return 6/1/64

The underside fl. is white - this is exception
raised ridge on each lobe?



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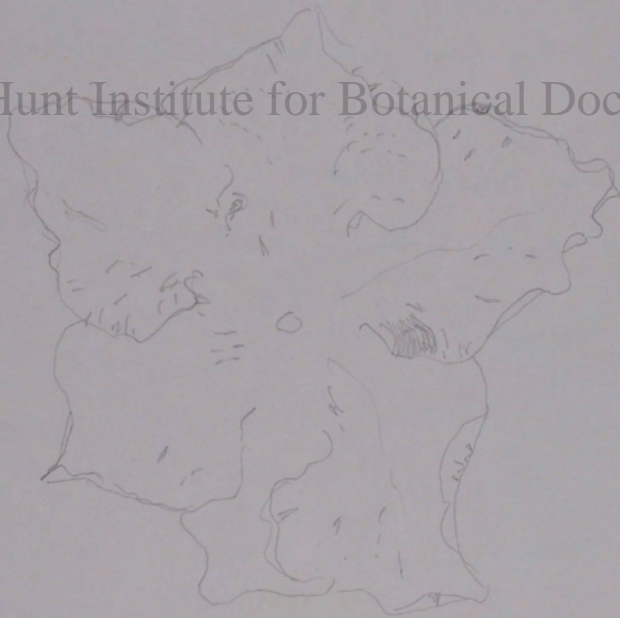
Banyo no Huki

Banyo no Kuki 5/24/61

redrawn 2/24/64



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Barrō no date
redrawn 2/19/64

Lower flower 10/18/65 !

check spring flower; to see if the
near white edge are characteristic?

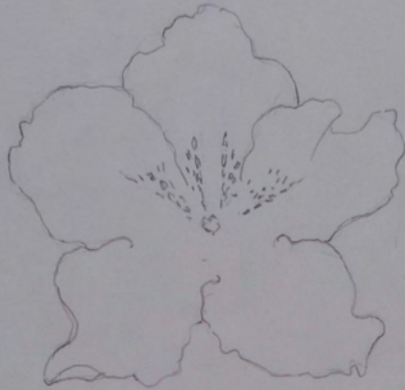
Digitized by Hunt Institute for Botanical Documentation

Many stippling - no blotch area

Some small flake -

Color of all below - Eosin Pink → Herminon Pink

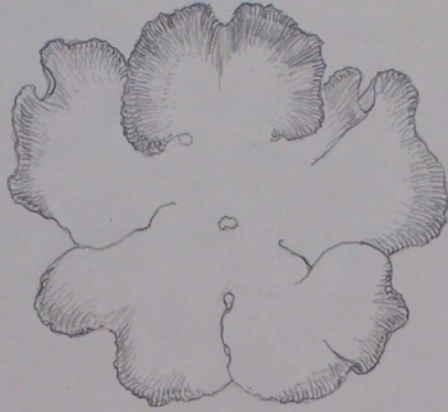
Flam to } white, ls - anthers light brown -
Pists /



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Bunkā 4/22/61

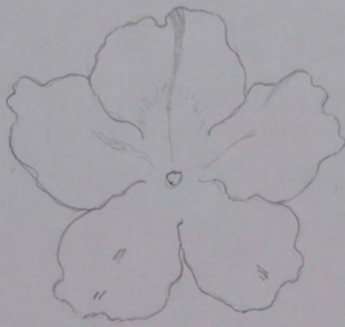
Redrawn 2/24/64 — question? White center?



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Chigo^h sugata^h 4/16/62

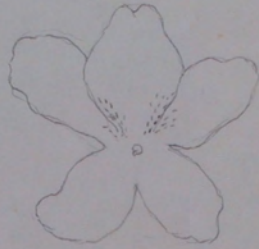
Redlawn 2/28/64



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Chinosai (date — 611

redrawn 2/25/64



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Chingen date only 1960 mother 5/1/61 first fl.
redrawn 2/20/64



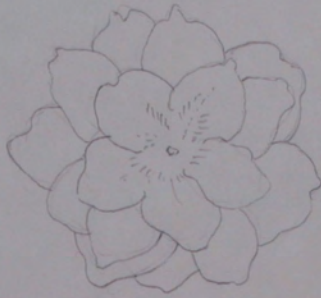
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Chingyo x no-x Hatakari 6/25/61
Adrian 2/19/64



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Chitose - Nishiki 5/16/64
new plants



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Bene-Kirin 4/27/61
redrawn 2/21/64



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Benigasa 4/27/66

Plant in 1963 from Yokohama Nursery Co (near Akebono)



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Chigo x no x Tsuki

6 May 1964



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Chigo x no + Tsuki 5/31/62

Redrawn 2/26/64

or little small?



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Chytzyū x mo x Haru 5/30/61

redrawn 2/24/64



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Chōju x 120 + Iwai (date - 1960)

Redrawn 2/20/64



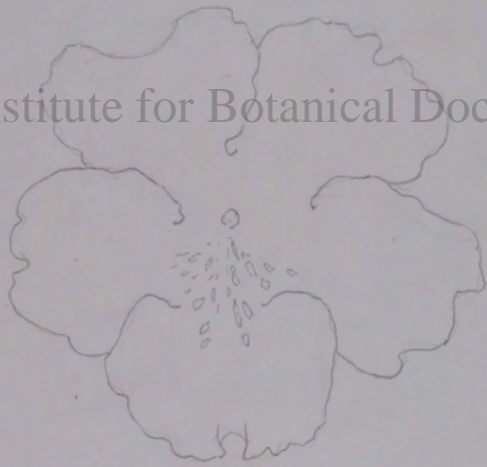
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Daisshukai (date — 1960

redrawn 2/20/64



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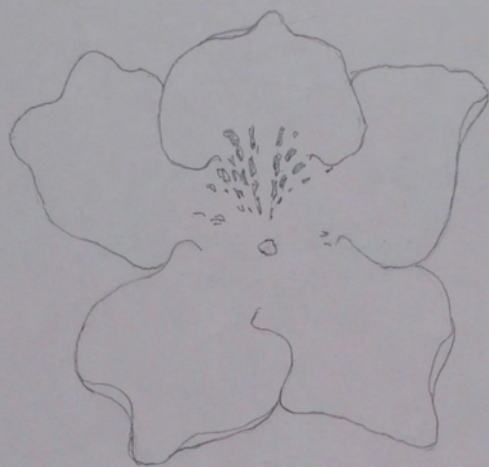
Likan 5/12/61

redrawn 2/26/64

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Likan *var. novae* *var. novae* 5/18/61

redrawn 2/26/64



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Eiken 5/18/61

Redrawn 2/26/64



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Fuji * ^Nmishiki 4/27/61

Redrawn 2/21/64



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Fukurokujū 5/18/61

redrawn 2/26/64

In bloom 6/2/64 0

• stigma or feathery is Syrian type

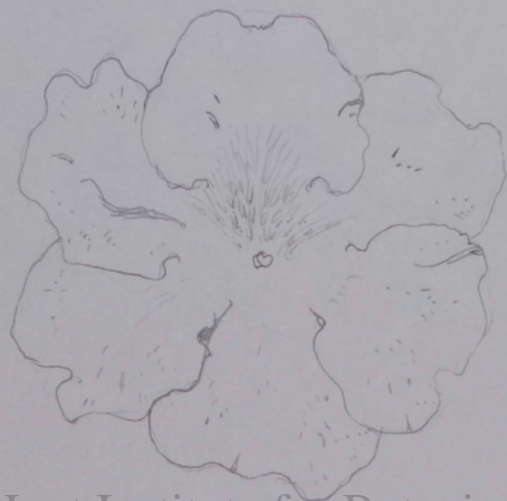
and flower lobes are more regular

+ not filled 0



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Pekka no date
redrawn 2/19/64

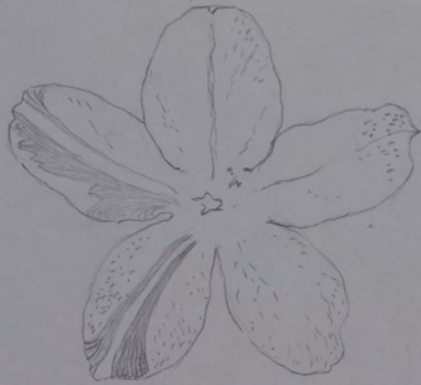


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Letto ku 4/30/64
rekrum 5/1/64

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Letto ku



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Gebix biskuiti 6/15/61

redrawn 2/24/64



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Guamiro 5/1/61 Just beginning
Redrawn 2/19/64



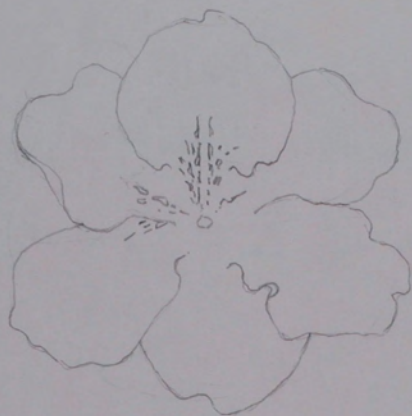
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Gurree 5/9/61
redrawn 2/22/64



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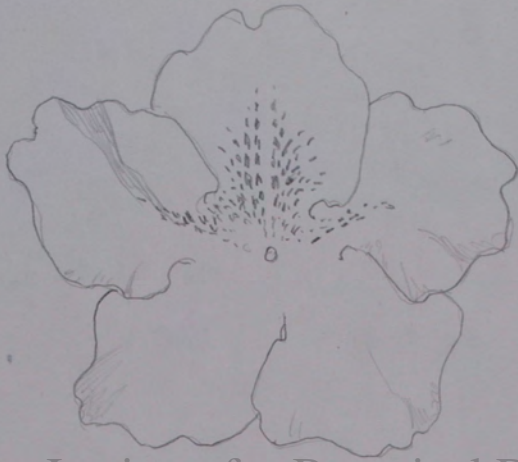
Junsei 5/1/61 (just beginning)
Redrawn 2/19/94



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Syoko 5/24/61
redrawn 2/24/64

Check to Lee if striped fl. comes in '64



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5/9/64

Lytokushin P.1,

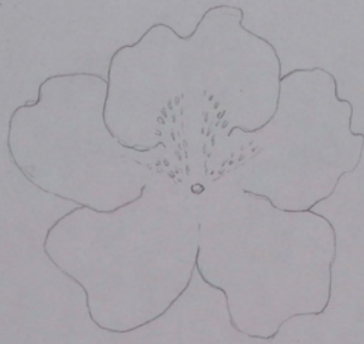
This is the "slot flower"
as described in text -



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Lyokuyo 5/1/61 (fruit flower)

Redrawn 2/19/64



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System (date — 1960)
redrawn 2/20/64



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Gyotoku 230610 (USA)

4/30/64

Reisner ST/64



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Hakatahira (5/15/61)

redrawn 2/22/64



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Hadsu - ^hgasume 127676 4/30/64

Amaranth Pink → Syrian Pink
darker toward margins

Blotch conspicuous as directed - Syrian Rose

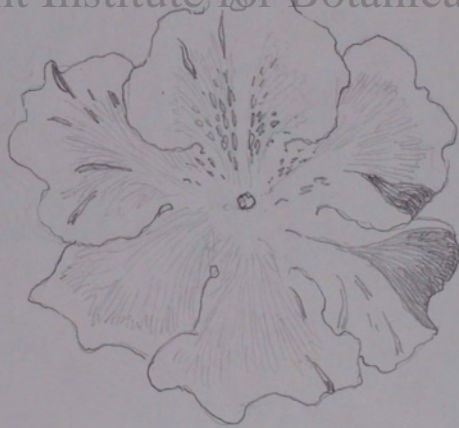
Actually the fl. looks larger in bush -

Habit somewhat columnar

W.P. 5/7/64



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Hazu * no * Hikari 6/22/61

withdrawn 2/24/64

add V-type?

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V-type May 6, 64

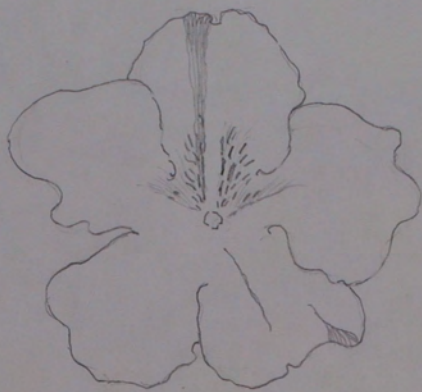
This is the most common type
then year '64!



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Heiwa (date - 1960)
redrawn 2/20/64

Bym specimens this + has sent a
work sheet for Koto for comment to
return 10/1/65



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+ (Eiwa x mo x Hikari 5/1/6)
redrawn 2/24/64

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few stripes etc - draw out show the dots of
blotch area - anthers dark - filament pink
herbid pink - stigma faint greenish
"Rose Pink" - (Kape - "Tyrian Pink")

?

Make second drawing?



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Higasa

4/17/61

redrawn 2/25/64



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Hikari 6/15/61

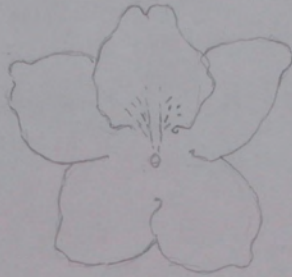
redrawn 2/26/64



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Hito maru (date - 1960)

redrawn 2/20/64



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#1
Hoetsu 5/1/61 - first flower
redrawn 2/21/64

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not correct

do not use



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Hoctra #2 5/1/64

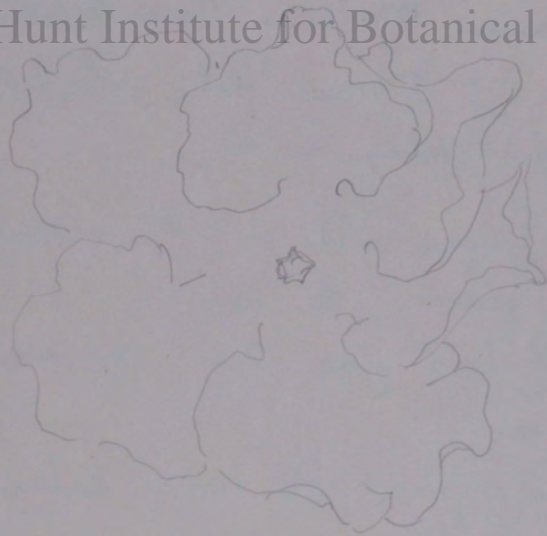
based on sketch 4/30/64

This is the correct plant

not #1



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Homare no Hara - 4/30/64
redrawn 5/1/64

Digitized by ^{Hunt Institute} ~~Hunt Institute~~ ^{10/15/64} ~~10/15/64~~ ^{Much larger} ~~10/15/64~~ Botanical Documentation

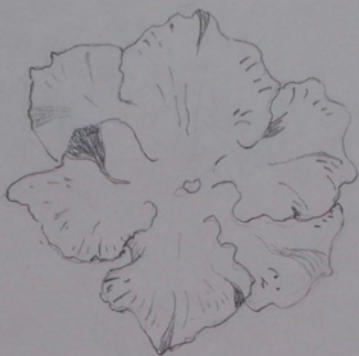
about 5" if pressed flat - Color pattern as
in upper drawing -

Chief difference noted is in the undulate +
cuspitous carriage of the margins

In the lower flower there was no marked
blotch area

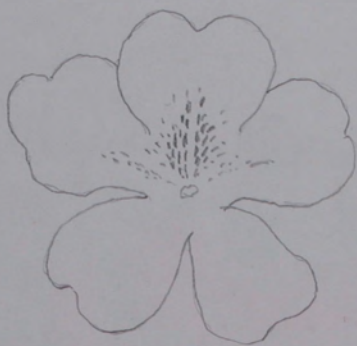
Stamens faintly pink tinted anthers brown but
not dark - long -

Colony about same as in *Fig. 2* (2) but character of
flower is utterly different!



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Hō-kō (date? — ?1961?)
redrawn 2/22/64



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Hō-Roku

Hō-Koku (How. Koku) 5/9/64

Old P.I.



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Honem no date

redrawn 2/19/64

continue dots after verification

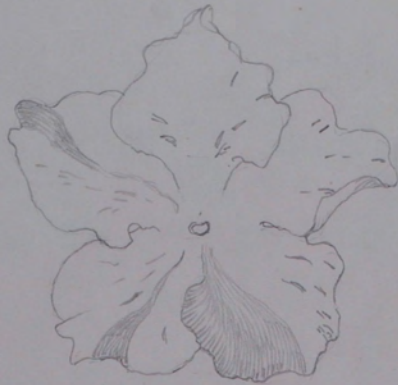
by Kato



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Horvitzan - (date 1961?)
redrawn 2/22/64

check against bloom in 1964



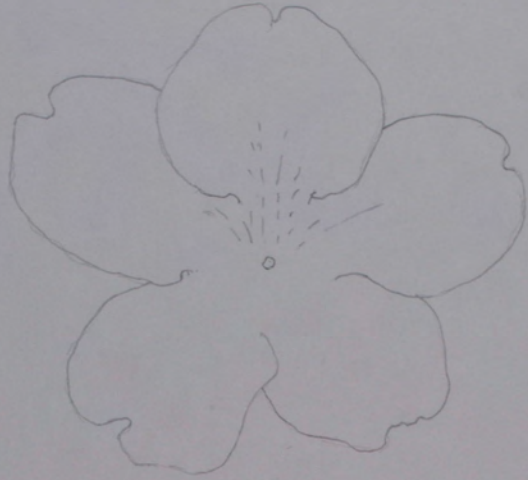
Digitized by Hunt Institute for Botanical Documentation

Hō-naku

~~How-naku~~ 4/14/61

redrawn 2/26/64

too small
1964 floras -
3 1/4"



Digitized by Hunt Institute for Botanical Documentation

Hosai 5/2/61

redrawn 2/22/64



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Heterogisue 5/9/61 (no blotch)

Redrawn 2/22/64

N. B. This flower shape + size differs

from other drawing.

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Use rather with perf...



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Hototogisu (date - 1960)

redrawn 2/20/64

See other sheet of 5/9/61

reify?

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~~do not use this sheet~~



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Jkoi x no x ^{Tomo} Tomo (date? 1961?)

redrawn 2/22/64

The fls. in 1965 Josh Cargill

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lower flower 1/11/65

stamens light brown