Little plants Fruit Lous 5-545

Potog with Rabby 5521

Solo

Red flesh — 5-597

~~Grass~~. Book 5

Acc. No. 5-481 to

5481
1-2-30 Macadamia ternifolia - 6 large nuts from Hoaeae Ranch 4 planted Jan. 3, and two held as samples.

5482
1-2-30 Macadamia ternifolia, - 9 small thin shelled nuts from Hoaeae Ranch, - 6 planted Jan. 3, 3 held as samples

5483
1-15-30 Solanum sp.
1 pkt. of seeds sent in by P.J. Wester of Manila. Introduced into P.I. from Java.

5484
2-15-30 Lecythis sabucaja
50 seeds from B.P.I. U.S.D.A.

An excellent sapucaya nut resembling Brazil-nuts and superior to them. another related sp. is called monkey pot

5485 Tithonia speciosa
3-3-30 1 small pkg seeds from P.J. Wester, Manila, P.I. -
Erect shrub; cordate leaves, 3-lobed or entire flowers single scarlet heads, 3" in diameter Originally from Mexico. See Cyclopedia of H.

5486 Hibiscus sp.
3-3-30 1 small pkg. seeds from P.J. Wester, Manila, P.I. who describes the s/s as having yellow flowers
Flowered Nov. & Dec. 1930 answer in every respect to description given in Bailey's S. Cyclopedia of H. p. 1484
Hibiscus africanus.
Red flowered 5487

5489 Erythrina sp.
3-3-30 1 pkg. of few seeds from P.J. Wester, Manila P.I.
A "Coral-tree" with rudder like winged pods of which the birds are very fond.

5490 Annona squamosa Sugar apple
3-7-30 50 seeds of a good variety from the old MacInerny place, now a part of Kalihiwela school on School Street, Honolulu.
The fruit weighed 14½ oz. contained 54 seeds and was of good flavor W.T.P.

5491 Artocarpus incisa "Ulu maopo #1
6-8-29 Cuttings arrived but owing to absence of Horticulturist at the time were not recorded but root placed by Propagater in sand Mar 1. 7 plants were potted.

5492 Theobroma cacao
3/-/30 125 seed from Mr. G.P. Wilder Papeete Tahiti
seeds a little dry but a few germinated

5493 Jacca pinnatifida "Pia" or Arrowroot
3/22/30 about 20 corms of various sizes up to 3 inches in diameter from W.J. Paris Kealakekua, Kona, Hawaii
Planted 7 in propagating house gave the remainder to Bishop Museum

5494 ~~Cubilia blancoi~~

5495 Cubilia blancoi Bl. "Kubili"
3/27/30 1 pkg. seeds from P.J. Wester Manila. P.I. a medium sized tree the bright green spiny fruit contains a nut edible when roasted or boiled

5493
5496 Tacca pinnatifida, Arrowroot. 1 doz. corms, large and small planted some gave some to Miss Neal Source of Pia starch of the Hawaiians. who are believed to have introduced it before the arrival of Europeans.

5497 Coffea arabica. Hawaiian coffee
1-28-30 from Molokai. where it has been isolated for many years (about 50) at Pakao. on W.A. Meyers place.
16 plants growing well April 3- 1930- in gallon cans in slat house.

5498 Garcinia binucao. 12 seeds
10/29/29 Seeds in charcoal from director of Agri S. Youngberg.
6 plants growing Apr. 1, 1930-

5499 Thunbergia sp.
4/8/30 39 seeds from P.J. Wester, Manila, P.I. a mixture of seeds of 4 distinct species. See letter under date of Mar. 12, '30

5500 Citrus sp.
4/26/30 1 plant. Siamese Pummelo, (Kao-Pan) 10079
* ☌ C.P.B. 12502 Bitter Sweet Orange
Reed from Dr. Swingle C.P.B Inv. U.S.D.A.
In wardian case and in good condition

5501 Citrus sp. 10081
4/26/30 1 plant 10081 Siamese Pummelo (Kao Pan)
☌ C.P.B. 12502 Bitter Sweet orange
From Dr. Swingle C.P.B. Inv U.S. D.A.
In Wardian case in good condition

5502 Citrus sp #10088
4/26/30 2 plants Siamese Pummelo (Kao Phuang)
From Dr. Swingle C.P.B. Inv. U.S. D.A.
In Wardian case and in good condition.
Planted in gallon tin at once

5503 Citrus sp
4/26/30 1 plant 10089 Siamese Pummelo, a rooted cutting
From Dr. Swingle C.P.B., U.S.D.A.
In good condition. no soil but roots wrapped in damp moss.

5504 Citrus sp
4/26/30 2 plants 5-0359 Bigaradier = C.P.B. 46466 Citremon
From Dr. Walter Swingle C.P.B. U.S.D.A.
In wardian case in good condition

5505 Citrus sp. 52007-B-3
4/26/30 1 plant Limelo = C.P.B. 46219-A Citremon
From Dr. Walter T. Swingle U.S.D.A.

5506 Citrus sp.
4/26/28 1 plant 52018-1-2 Tangelolo = C.P.B. 5-1743. Sopodia

5507 Citrus sp.
4/26/30 1 plant 52024-19-8. Tangelolo = 46219-A Citremon
From Dr. W.T. Swingle U.S.D.A.
In wardian case in good condition

5508 Citrus sp.
4/26/30 2 plants 47220-B-1 Tangelolo seedling
From Dr. W.T. Swingle U.S.D.A.

5509 Citrus sp.
4/26/30 1 plant #51588 = 46219-A. Citremon
From Dr. W.T. Swingle U.S.D.A.
In wardian case in good cond.
Set in 1 gal tin can
All of the above citrus doing well one week after potting.

5510
6/28/30 Passiflora edulis
Several fruit of Purple wat for seed From A.S. Wall,

5511
2/5/30 Passiflora species
a few seed from J.E. Higgs from Summit Canal Zone.

55112 *Citrus decumana*, Pomelo
4/18/'30 Sweet--Jaunt.
10 cuttings of graftwood from
Chock Chim of Hanalei, Kauai.
Sent over by Mr H.L. Chung.

55113 *Passiflora alata laurifolia*
June 3, '30 1 fruit from Mr. G.P. Wilder
Many seeds 1 pkt to P.J. Wester.
remainder planted

55114 *Persea americana*
4/24/30 graftwood of a dry fruited
summer variety from
Waiau Valley, collected
by Mr. G.P.W.
(1 tree set at Kona Sub-Station Apr. 1931
1930, six sticks graftwood Hayden Mango
See number 5630

55115 *Parkia timoriana*
4/26 2, '30 5 seed from P.J. Wester, Manila.
Becomes a very high tree with fern-
like leaves and small white or yellow
flowers. The ripe seeds are roasted
and used as a substitute for coffee

55116 *Oroxylum indicum*
May 12, '30 18 seeds, from P.J. Wester, Manila.
seeds small surrounded by a thin
flat white wing appendage
Tree ornamental 40 ft. tall, compound
leaves; flowers 2½ inches long
white or purple.

55117 *Hicksbeachia pinnatifolia*
6/21/30 1 pkg. seed from Ramsey & Sons,
Sydney Australia. The sender
says the seed too old to grow.
May 8

55118 *Bauhinia* sp.
6/30/30 5 seeds of a bush with mottled
flowers from P.J. Wester

55119 *Anacardium occidentale* Cashew
7/7/30 1 3/4 lb seeds from B.P.I.

5520 Attalea gomphococca Palm
8/7/30 seeds from Mr. J.E. Higgins
seed in good condition from
Canal Zone -

5521 Carica papaya From B.Y. Morrison
Aug. 22, '30 50 seeds F.P.I. 285533.
A new cross under old number
The tree was grown at Chapman Field. Garden
Seeds to be grown trees tried out and
report to Dept as per letter from Morrison
date of Aug. 6, 1930.

5522 Cashew seeds 1 lb.
8/25/30 Anacardium occidentale
From B.P.I. originally obtained
from Haiti - Seed of large size
Red fruited variety -

5523 Casimoria edulis
9/3/30 12 seeds White Sapote.
from Central Union grounds

5524 Bactris utilis or Guilielma utilis
Sep. 19, '30 32 seeds of a Palm tree -
From J.E. Higgins, Canal Zone Exp.
Gardens, Summit, Canal Zone.

5525 Physalis peruviana.
10/22/30 One small pkt. seeds of a kind which
has two fruits to the inflated seed case.
From Mr. G.W. Terry, School of
Agriculture, Cedare, Natal South Africa
Mailed Sep. 5, 1930, recd. Oct. 22. 1930

5526 Physalis peruviana
10/22/30 One small pkt. of seed of a kind
which has three fruits to the inflated
seed case. From G.W. Terry -
School of Agriculture, Cedare,
Natal South Africa

5527 Eugenia jambolana
11/6/30 seeds from large fruit, (1 x 3/4 inch)
Fruit from tree in gulch near
gate to fenced marka side of
Exp. ground enclosed

53-28 Persea americana
11/10/30 Seedling tree, hybrid, in yard
Dr. Henry Bicknell, 2336 Liloa
Rise Manoa valley, Honolulu.
Fruit for description and analysis

53-29 Saraca indica
11/13/30 3 plants by mail from For. Plant Introd.
Washington D.C. 2 plants alive on
arrival. The original stock from
Bot. Gardens, Trinidad B.W.I.

Dec 22. 2 plants growing.

53-30 Artocarpus integra 2 plants by mail
11/13/30 B.P.I. original seed from Suinbouw-
Kundig-Ambtenaar Pasarmmingoe
Java.
Dec 22 growth reviving greatly

53-31 Macdonald hybrid seedling.
11/20/30 Station gave seedlings 6 years before
to Mr. A.S. Wall and Station set them
as cooperative experiment.
Graft wood and fruit obtained
for study. Fruit lrg, oval, purple
fair quality
Graft wood placed in propagation.

"Makai"

Nov 20
53-32 Macdonald hybrid. Tree given to Mr.
11/20/30 6 years before to Mr Wall of Kona
Fruit oblate large good flavor, 27.69% fat,

Grafted scions on seedlings
"Koy"

53-33 Macdonald hybrid. Seedling tree
11/20/30 set at Walls Hotel, Kona, Hawaii. 6 years
ago. Fruited this Fall. Large ovate
purple fruit of fair quality.
grafted scions on seedlings.
"Manka"

53-34 Magnolia grandiflora
11/20/30 50 seeds collected at Walls in Kona
placed in flats for germination

None of the seed germinated

53-35 Lucuma obovata, Eggfruit
?-1930 Seed from Station orchard

1 seedling tree set at Kona Sub-
Station April 1931.

5536 Artocarpus communis Seedless Breadfruit
12/2/30 44 cuttings from propagating roots sent to Mr. Wilder, from Apia British Samoa, Variety "Avelolua"

5537 Artocarpus communis Seedless Breadfruit
12/2/30 var. Ulumanu'a from Apia propagating roots made 3~~47~~ cuttings
1 tree given to Normal Coll.

5538 Artocarpus communis var. "Puou"
12/23/30 Seedless breadfruit root-propagating material from Apia, Samoa, made 107 cuttings One tree given to the Normal College H.I. 11-10-32

5539 Artocarpus communis var "Maopo"
12/2/30 Seedless breadfruit roots for propagating material from Apia, Samoa. made 13 cuttings

5540 Artocarpus communis var Miscellaneous
12/2/30 Seedless Breadfruit roots for propagating material made 16 cuttings.

5541 Artocarpus communis var. "Ulumanu"
12/2/30 Seedless Breadfruit roots for propagating material made 19 cuttings

5542 Artocarpus communis var "Ulu puou" Seedless Breadfruit
12/2/32 roots for propagating material made 17 cuttings.

5543 Ceratonia siliqua Carob Tree
1-12-31 1 pkg. of about 40 beans by J.W. Westgate from Egypt

55544 Ricinus s/p. Var. red
1-17-31 1 lb. seed.
Brot. in by J.M. Westgate from his cousins place in Calif.

55545 Carica papaya.
1/31/31 1 pkg. seeds Foreign Plant Introduction 0/12648

55546 Calocarpum mammosum, Sapote
2/28/31 6 seeds in charcoal
6 " " " cocoanut fiber
From J.E. Higgins Plant Introduction Gardens Summit Panama Canal Zone also Achras zapote,

55547 Persea americana, Linda.
4/1/31 1 tree from S.M. Primelea Guatemalan avocado of the Popenoe introduction
This tree for Kona Sub-Station

55548 Lycopersicum esculentum
Mar/10/31 Tomato, 1 pkg. trial seed from Landreth & co. Bristol. Pa.
Var. Walter Richard

55549 L. esculentum, Tomato, Globe
3/10/31 1 pkg seed for trial from Landreth & co Bristol Pa.

55550 L. esculentum, Tomato Great Baltimore
3/10/31 1 pkg. for trial from Landreth & Co Bristol. Pa

55551 L. esculentum Tomato, Marglobe,
3/10/31 1 trial pkg. seed from Landreth & co Bristol on the Delaware

55552 Lycopersicum esculentum. Tomato
3/10/31 var. Norton,
1 trial pkg. seed from
Landreth & Co., Bristol, Pa.

55553 L. esculentum, Tomato
3/10/31 var. Landreth, from
Landreth & Co Bristol, Pa.

55554 L. esculentum, Tomato
3/10/31 var. Break O'Day
1 pkg seed from Landreth & Co.

55555 L. esculentum, Tomato
3/10/31 var. ~~Dunlap~~,
1 pkg trial seed. from Landreth & Co.,

55556 L. esculentum. Tomato -
3/10/31 var. Bloomsdale
1 pkg. seed for trial from
Landreth & Co.,

55557 L. esculentum. Tomato
3/10/31 var. Bonny Best
1 pkt seeds for trial
from Landreth & Co., Bristol, Pa.

55558 Elaeocarpus serratus Lin.
3/26/31 Ceylon olive used for pickles
1 pkg., 25 seeds, from Mr.
S. Kishima, Horticulturist,
Kagi Agr. Exp. Station, Formosa,
Japan.

55559 Inga edulis
4/1/31 3 plants from G.P. Wilder
Fruit plant

5560 Aleurites chinensis "Wood'il tree"
4/1/31 New number given to seedlings of the Tantalus Sub-station tree
1 tree set under this number at Kona Sub-station April 1931

5561 Eugenia dombeii, Brazilian Cherry
4/1/31 1 seedling tree from our Tantalus trees Sub-Station set at the Kona Sub-Station April 1931

5562 Anacardium occidentalis
4/1/31 2 trees set at the Kona Sub-Station April 1930, from the 5461 obtained from McEldowney 11/6/29

5563 Eugenia uniflora, Surinam Cherry
4/1/31 Seedling set at Kona Sub-Station Apr. 1931 from Station stock.

"Ceriman"
5564 Monstera deliciosa
4/1/31 1 seedling plant from H.E.S. stock set at Kona Sub-station April 1931.

5565 Theobroma cacao
4/1/31 2 seedlings set at the Kona Sub-Station Apr 1931, seeds from Tahiti 1939
marked at that time as 5445

5566 Ficus carica, Mission Fig
4/1/31 1 tree Black Mission Fig set at Kona Sub-Station April 1931
Cutting from Station stock obtained from California about 1921.

5567 Ficus carica Kadota Fig
4/11/31 1 tree set at Kona Sub-station Apr 1931.
Cutting from station stock obtained about 1922.

5568 4/1/31 Mammea americana
2 Trees set at the Kona Sub. Station
seed obtained locally
in 1930

5569 4/1/31 Diospyros discolor Mabalo
2 trees set at Kona Sub-station
from stock raised at the
Honolulu Station.

5570 4/1/31 Citrus sinensis, Hawaiian Orange
6 grafted trees from Station stock
The 6 set in Kona Sub. Station
4/4/31, each tree given a fractional
number additional as 5570.1,
5570-2, 5570-3 etc.
The original stock from W.D. Ackerman's
orchard in Kona about 1920

5571 Moringia pterygosperma
Horse Radish tree
Seed from Philippines
1 tree for Kona Sub-station

5572 & 5560 Aleurites fordii
Wood oil tree.
1 tree for Kona Sub-station
from Tantalus Sub-Station
seed.

5573 4/7/31 Psidium lucidum, yellow
Strawberry guava.
1 pkg seeds collected by W.T.P.
in Olaa Hawaii. Fruit
superior to the red strawberry
guava

5574 4/20/31 Rubus sp.
1 pkg seeds from A.M. Cramer,
Wonosobo, Dutch East Indies.
Java. A wild berry not bad for
eating. Stems bluish, fruit dark

5575 Coffea robusta
4/22/31 18 plants from Tantalus Sub-station sent to Kona Sub-Station. — Seedlings from large old trees

5576 Carica papaya
4/28/31 1 pkg. seed from Foreign Plant Investigations 91052

Hippeastrum vittatum

5577 Amaryllis
4/12/31 1 pkg seed of large flowered light colored striped var. from A. S. Wall in Konay

5578 Parkia speciosa
5/2/31 5 seeds from an edible bean growing in Ceylon on a tree. The tree also cultivated in Java.

5579 Lecythis zabucajo, Sapucaya Nut
5378 3 lbs of seed from H. A. Ryerson,
5/11/31 Office of Foreign Plant Introduction, U.S.D.A. The seeds having been obtained from Trinidad B.W.I.

5588 Macadamia ternifolia
5/12/31 Trees from seed grown at Tantalus Sub-station in 1929-30 Sent to Kona and Set in Dec 1930

5589 Macadamia ternifolia
5/12/31 8 plants from seed of large round nut at Hoa given the station by Mr. Grant Bailey in 1929. Plants set at Kona Sub-Station Dec. 1930. making 1st row mauka side.

5590 Lycopersicum esculentum
5/12/31 Tomato hybrid of Hawaii Exp. Sta produced some years ago by the assistant horticulturist Mr. Cowan The fruit is not generally attacked by fruit or melon fly

5591 Annona squamosa Sugar apple
7/2/1930 1 seedling set at Kona Sub-Station from station stock.

5592 Citrus limonia, Kusaie lime
—31 1 Station seedling set at the Kona Sub-station

5593 Morus nigra Black Mulberry
5/18/31 3 Trees of Station stock set at the Kona Sub-station.

5593.1 5593.2 & 5593.3

5594 1 Station apple seedling for Kona Sub station sent over May 25, 1931.

5595 Carica papaya Solo seed
5/25/31 from Station stock
This number given for all plants sent to Kona Substation Dec. 1930 and Jan. to June 1931

5596 Passiflora fruticosa
5/25/31 1 pkg seeds from F.P.I. Washington. F.P.I. No. 92923 Seeds collected by Messrs Collins and Kempton in Mexico and Central America

5597 Carica papaya seed of
5/25/31 pink fleshed fruit. Collected by Collins & Kempton on West Coast Mexico & Central America. F.P.I. No 92894

5598 Attalea cohune
5/25/31 24 Seeds F.P.I. No.. 92891 Collected on West Coast Mexico & Central America by Collins & Kempton

5599 Persea americana
5/25/31 20 Seeds of Mexican Avocado from Mr Don Bowman who got the seed from California

5600 Swietenia mahogani
5/27/31 True Mahogany
1 pkg seeds from Kalakaua Ave

xxxxx

5601 Canarium ovatum Pili nut
original seed from Philippines
6/1/31 1 tree sent to Kona Sta. June 8 1931

5602 Pimenta officinalis. Allspice
6/8/31 1 2-year old tree sent to Kona Sub-station

5603 Artocarpus integra, Jackfruit
1/2/30 1 Seedling sent to Kona Sub-Sta.
June 8th.. 1931

End of fiscal year – June 30, 1931

5604 Leucaprenna mexicana
7-2-31 50 seeds, F.P.I. 92355, from Ryerson collected near Acala, Chiapas, Mexico, Family Caricaceae
The fruit has properties somewhat like the papaya – see Trees and Shrubs Mexico Vol. 23, Cont. U.S. Natl Herbarium p-850

5605 Aleurites fordii
7-2-31 1 lb. of seed from F.P.I.

25 seeds sent to Mr. Poulos of Macadamia Nut Co. Kona remainder place for germination

5606 Syzygium cymosum
7/3/31 4 plants from F.P.I., U.S.D.A. 89036
In fair condition 17 days in mail
Native tree of Mauritius
fruit about 1 inch in diameter

5607 7/3/31 Syzygium operculatum
4 plants in fair condition
from F.P.I. of U.S.D.A. 36184
mailed June 16 — 17 days in transit
Tree 35 ft. drought resistant ornamental for lawn
Native of India seedlings from tree in Cuba
Fruit take a plum, edible.

5608 7/10/31 Syzygium dulciferum
3 plants in good condition
from F.P.I of U. S. D. A.
Mailed 6/27/31 — 13 days in transit

5609 7/13/31 Banisteria caapi
1 plt. from F.P.I of U.S.D.A.
originally from N. J. Pennis, Peru.
Arrived in good condition. mailed 6/25/31
F.P.I. No. 88327

5610 7/21/31 Calocarpum mammosum, Sapote
6 seeds in charcoal, 1 decayed
13 seeds in moss, 4 decayed
From Plant Introduction Garden,
Canal Zone. Mailed
June 26, 31

5611 7/24/31 Muntingia calabura, "Panama
berry" from F.P.I. Seeds sent to F.P.I.
by Harrison N. Smith, Papeari, Tahiti. Small
packet of seeds received Lee. F.P.I. #91301

5612 7/25/31 Psidium guajava, thick fleshed
variety. From F.P.I. From Peru, thru
N. Popenoe. F.P.I #81849. 2 plants
in fair condition. Stems ends slightly
dried. Ends trimmed and set in
gallon cans in glass-house

5613 8/7/31 Passiflora edulis, Passion fruit,
The purple water lemon or
"lilikoi" Seeds of a dozen
fruit collected at Walls Hotel
Kona Hawaii 26th of July

5614 8/7/31 Passiflora ~~laurifolia~~ ligularis Yellow
Water lemon. called Bell Apple in
Australia (see Queensland Journal
of Agriculture July, 1931. p 5-5)
Seed collected at the Macadamia
Nut Co. Keauhou mauka

5615 Passiflora sp. A yellow fruited species with some characters of the Passiflora edulis
Seeds from C. Miller
Kaneohe, Oahu. We have had this species for some years. One large plant now but not in fruit.

5616
10/19/31 Antidesma bunius
Seeds from Tantalus plants originally from the Philippines
Abundant producers of small acid fruit. Used for jelly
Illustration Annual Rep., 1930, p. 5.
Plants grown for dedoctium

5617
10,19,31 Sandoricum koetjape
3 seeds of Santol from a fruit grown at Lesia St. near Waikiki.

5618
10-19-31 Prunus Lyrsanica v. Jek sp nova
several seeds
From Institute of Plant Introduction
U. S. S. R.
44 Herzen St., Limingrad.

5619
10-19-31 Prunus laurocerasus
1 pkg seed (From,-see #5618)
Large black cherry-like fruit.
From,-(see 5618)

5620
10/19/31 Prunus divaricata var. pontica
v-Jek.
several seeds
Fruit ovate, yellow
From,-(see 5618)

5621
10/19/31 Prunus divaricata
Several seed
Fruit ovate violet.
From (see 5618)

5622
10/19/31 P. divaricata
several seed
Fruit,- Yellow, sweet.
From,(see 5618)

5623 Prunus divaricata
10/9/31 several seed
Fruit,- oval, violet
From (see 5618)

5624 P. divaricata
10/9/31 several seed
Fruit,- oval, red
From,- (see 5618)

5625 P. divaricata
10/19/31 several seed
Fruit.- round violet
From,- (see 5618)

5626 P. divaricata
10/19/31 fruit,- oval, dark red
several seed.
From - (see 5618)

5627 Prunus hyrcanica v. Jek.
10/19/31 several seed
Fruit. ovate, yellow
From (see 5618)

5628 Hybrid, Cocos capitata x C. eriospatha.
20 seeds, 44 Herzen St. Liningrad,
Fruits- large, dark yellow, very
attractive. Flesh fiberous, melting,
juicy and of excellent flavor.

5629 Carica quercifolia
10/19/31 1 pkg. seeds
From Institute of Plant Industry
U.S.S.R, 44 Herzen St. Liningrad

5630 Mangifera indica "Haden" Mango
May 8/30 Four pcs graftwood from Chapman Field
Coconut Grove, Fla. sent by B.Y. Morrison
on request of G.L. Anderson who visits
Hawaii in 1929.
Mango wood P.I. No. 29333. See letter of
April 22 1930 Foreign Plant Introduction
B.Y. Morrison.
3 grafts grew

5631 *Persea americana*
11/5/31 Purple crate Avocado (Hybrid ?)
6 pes. graftwood from Dr. ~~Faus~~ Jennel
#2310 Ferdinand Ave Manoa.
6 year old seedling tree with
fruit of good quality. Last of crop.

5632 Persea americana, Avocado
11/5/31 West Indian last of the crop.
Graftwood from Dr Faus Jennel in
Manoa 2310 Ferdinand ave.
Fruit large, apple green,
light flesh. large seed cavity loose
seed weigh of entire fruit 28 oz.

5633 Persea americana Big purple fruit
1/5/32 West Indian.
var. "Jumbo

5634 Citrus decumana
11/3/32 Two large pyriform fruit
from W.H. Iwamasa, Mahukona,
Hawaii. Fruit grown in Kohala
at the old plage H.C. Holstein
Very large pleasing flavor no
bitter tang. Sweet seed and
will grow them as seedlings

5635 *Passiflora quadrangularis*
1/20/31 2 plants and 4 cuttings of
Granadilla from Mr. Pahau
Kona Hawaii.

5636 Carica papaya seeds from
2/14/31 Mrs. E.A. Borlase, 309 Musgrove Rd
Durban, South Africa. seeds from
a long fruit from yellow flowered tree
The fruit was not too large and of good
flavor. This fruit proved of poor
quality and undesirable to distrib
ute plants Dec. 1932

5637 Citrus decumana. 45 seeds
12/26/31 from large pyriform Pummelo
or Shaddock which came from
Kohala in November. Quality
very fine Will grow them
as seedlings without grafting.

5638 Lonchocarpus nicou
6/24/31 2 plants from F.P.I. brought from
South America by E.P. Killip F.P.I. 88328
Fish poisoning plants which may prove
of value as drug plants.

5639 Persea americana. 4th generation
Jan. 6/32 from Macdonald (Guatemalan)
1 seed from an excellent fruit
which Pope described seed set
in can for germination

5640 Parmentiera cerifera. Candle tree.
Aug. 1927 seeds collected from trees of Mr.
Drivers place at Keauhou, N. Kona,
He received the original trees from Mr
J. E. Higgins
Propagated at Hawaii Exp. Sta.

5641 Cordia subcordata Kou, seed
June 1930 from a native tree growing on
north shore Keauhou Bay
Kona Hawaii collected by
W. T. Pope

5642 annona reticulata, Custard apple
seedlings from station tree
These two seedlings given to
U of H. for campus planting
Jan. 1932.

5642 Litchi chinensis, two seedlings
from station fruit. Number
assigned to the two given to
U of H. for campus planting
Jan. 1932.

5643 Euphoria longan, two seedlings
from seed collected in Kona
These two plants given to U. of H.
for Campus planting Jan. 1932

5644 Eugenia malaccensis, two seedling
30 mountain apple trees from station
stock. Number assigned to two
trees for planting on U of H.
campus Jan. 1932

5645 Mangifera indica Pirie mango
seedlings. Number assigned
to two trees for U. of H campus
Jan 1932

5646 Annona muricata, two seedlings for planting on U of H. campus Jan. 1932.

5646

5647 Aberia gardneri Ceylon gooseberry
1/20/32 Eight small trees from Mr. MacEldowney
Small tree 15-20 ft. Leaves 2" to 4" long, pointed at both ends, flowers greenish, fruit 1" diam. pale purple, edible, June. India & Ceylon.

5648 Heritera littoralis "Looking glass tree"
1/20/32 2 trees obtained in Sept. 1922 probably from Mr. Sodgeke of Board of Par. & Forestry but not recorded Set in arboretum 1 in 1930 and the other in 1932

5649 Lucuma nervosa tree
from Station seed of #828. growing Waikiki Red mango Orchard. which was planted about 1906

5650 Dario ~~galeirthinus~~ zibethinus
1/20/32 plants from C Miller

5651 Eugenia aquea
" " varsiliensis
" " cubana from Sanchez
tree

5652
2/17/32 Eugenia floribunda
50 seeds of yellow fruited variety from J.E. Higgins Plant Introd. Gardens, Canal Zone.

5653
2/17/32 Eugenia floribunda
50 seed of Red fruited variety from J.E. Higgins P.I.G. Canal Zone

5654 Musa fehi. Tahitian Banana
29 seeds from J.F. Stimson of Tahiti, requested by Mr MacDaniels of Cornell that we might get the variety started in Hawaii
This variety differs from the Hawaiian Fehi

5655
3/15 32 Sweet potato brought from near Waialua Oahu - by Mr G.P. Wilder grows very well in dry localities near the sea

5656
3-20-32 Carica pallata
Package of seeds from A.M. Cramer of Wonosobo, Java. These papaya grow at an elevation 4400 ft. The papayas are small and eaten like the passion fruit, see letter of Dec. 15. 1931.

5657
3/29/32 Carica (papaya ?)
20 seeds from H.E. Rasmussen 1452 Berkeley St., Sen Monica, Cal.
Seeds of the so called Hard shell papaya
Rained & plants set in field D, 9 deep, Apr. 17, 1933 got first fruit which is green

5658
3/29/32 Synsepalum dulcificum
10 seeds from Walter Lindsay Plant Introduction Garden, Panama Canal zone. Submit.
Shrub with little red fruits, quite ornamental. See letter May 7 1932.

5659
4/21/32 Calocarpum mammosum
16 seeds from Canal Zone Experiment station. Arrived in very good condition

5660 Coffea arabica, San Ramon var.
5/6/32 8 oz. seed mailed from Canal Zone Exp. Station by W. Lindsay received 5/5/32 on permit from B of Agr. & Forestry

5661 Synsepalum dulcificum
5/6/32 ½ oz seed each about the size of coffee grain from W Lindsay Canal Zone Exp. Station
The "Miraculus fruit" mentioned by Dr. Fairchild who says after tasting it other fruits will taste sweet for a short time thereafter.

5662 Cavanillesia platanifolia
5/18/32 #1 100 seed in wet moss badly decayed finally about 15% germinated
5/10/32 #2 pkg of 32 seeds in dry moss arrived 5/10/32 seemingly in good condition

5663 Canarium commune
5/18/32 Kanari nut. from C Miller collected at the Board of Agri. & Forestry grounds on King St. See P.J. Wester Food plants of the Philippines p 102 and illustrated opposite p. 148.

5664 Eugenia calycolpoides
5/19/32 25 seeds F.P.I. No. 98552 seeds originally from A.V. Armour Exp. Trinidad B.W.I. #2854.

5665 Cargocar tuberculsum
5/29/32 7 seeds F.P.I. # 98548 "Souari". Originally from A.V. Armour Expedition, Georgetown, British Guiana. Forms good timber nut edible and source of oil. See Bailey for genus.

5666 Carica papaya F.P.I. # 98547
5/26/32 50 Seeds called "Sao Paulo" from K.A. Ryerson Div. For. Plant Introduction U.S.D.A. Washington

5667 Lonchocarpus nicou
6/2/32 Fleshy roots of a leguminous plant. Species not described in Bailey or other books at hand w.P.

F.P.I. # 97983

5668 Artocarpus integra
6/6/32 50 seeds F.P.I. No. 98790
Collected by Armour Expd.
Paramaribo, Surinam.

5669 Carica papaya
6/6/32 25 seeds F.P.I. No. 96820
Collected by the A.V. Armour Expd.
Tobago, Island. West Indies.

5670
5~~6~~0 Psidium sp. F.P.I 98877
6/8/32 Seeds collected by the A.V.
Armour Expedt. in Surinam

—

5671 Rollinia Sp. from
6/ /32 MacMillan and Erlanson,
Río Colorado, near merced,
Peru. 25 seeds. F.P.I # 99784

End of fiscal year — June 30, 1932

5672 Euphoria longan., "Lungan"
Seeds from Mr. H.K. Hee received
by him from a friend in Kohala.
Fruit very good flavor, 1 1/8" to 1 1/4"
in diameter

5673 Euphoria longan. Nineteen
7/28/32 scions from Mr. H. K. Hee's
friend in Kohala. Grafted 7/28/32
on longan seedlings.
Dec. 12, '33 5 grafts growing.
10/15/34 visited the trees at Halepua in Kohala
and collected about 20 scions

5674 Annona cherimola F.P.I. 100688
8/4/32 25 seeds originally from Arequipa, Peru.
Collected by Macmillan & Erlanson Exp.
in market at Arequipa

5675 Annona cherimoya Cherimoya
8/4/32 F.P.I 100834 - 25 seeds
from Cochabamba. Bolivia
from Ryerson at Washington, D.C.

5676 8/4/32 *Annona muricata*, Soursop.
25 seeds F.P.I. 100689
From Macmillan & Erlanson Exp. Arequipa Peru
Sent by Ryerson Washington D.C.

5677 8/4/32 *Flacourtia ramontchi*. commonly called Ramontchi or Governor's Plum
1 plant from S.N. Parmelee
Said to be native of Tropical Africa and Asia. It is a bush sometimes reaches 20 or 25 ft high
Plants are dioecious therefore we must obtain others.

5678 8/19/32 *Cyphomandra betacea*, Tree Tomato,
Two fruits; rather green, from fruit collection Mc. Kinley High. grown by C. Miller Kaneohe Oahu

5679 9/6/32 *Carica papaya*
50 seeds from Mr. G.P. Wilder who is now in Tahiti for a year or two
Seeds are from some unusual tree he has found in Papeete
None of the plants grew.

5680 9/20/32 *Passiflora alba*
Collected seed of wild species on Windward Oahu Waiahole trail by Wm. Stony. Species probably introduced many years ago.
Seeds placed for germination.
Foliage trilobed, fruit greenish.

5681 10/8/32 *Gunnera petaloida*
7 small plants from Maui brought in by Mr. Jack Waterhouse, plants having been sent over by boy mail.
Potted in soil incorporated with some moss

5682 10/8/32 *Artocarpus*
Var. Racine de Uree from Mr. G.P. Wilder Papeete Tahiti
7 cuttings - we make into 14, in charcoal and shavings cuttings in good condition

5683 10/8/32 *Garcinia mangostana* 1
15 seed brought in by Jack Waterhouse
Seeds in very bad condition.

5684 Castanea pumila
10/10/32 1 oz. of seed from vicinity of Washington, D.C. Division of F.P.I. of the U.S.D.A. mailed 9/23/32, arrived 10/10/32. in good condition. Packed in dry moss in cloth bag, all paper outside and cardboard and brown paper outside

5685 Cyphomandra betacea Tredomatis
10/12/32 4 ripe fruits for seed from Mr. C. Miller of Kaneohe
Seeds placed for germination
Plants will be set in Kaau at various elevations to test out possibilities

5686 → Dovyalis hebecarpa
10/22/32 Branch with fruit ripening brought in by Wm Storys from Mr. Grays place in Manoa valley.
Made negative and saved seeds

5687 Jatropha multifida ... Kukui
10/20/32 seeds from Maui
grown by W.E.H. Dwenso, Makawao
Maui
Given to Mr Westgate at Fair 1932

Beans

5688
5- seed, flattish 3/4" long blackish over lain with lavender
(Jan 20, '33 all fine growing)

5689
1/2
Locust 65 Small Lisbon beans shaped like pigeon peas
(Jan 20 '33 only 1 sprouted)

5690
11/25/32
Buckeyes 16 seeds
Probably out of Jack Fruit
(Jan 20, '33 - Examined seeds all spoiled, evidently too old to sprout)

5691
11/2/32
Lansium domesticum
100 seeds from the Philippines by S.N. Brandes. Seeds in very dry condition

5692 Rhodomyrtus tomentosa "Downy myrtle"
11/4/32 18 fruits from H.F. Willey Makawao Maui. Plants are bushes to 5' high flowers rose pink, fruit ½" across edible Grows on Maui at Sub-station Native of tropical Asia.

5693 Annona diversifolia
11/18/32 105 seeds sent by B.Y. Morris, F.P.I. U.S.D.A. sads originally from Director of agriculture of Guatemala This is very desirable variety which grows at lower elevations

5694 Canarium ovatum Pili nuts from
11/18/32 Tech. Sgt. M.N. Swetman Manila P.I.
1000 seeds given to Station by S.N. Pamplee
Jan

5695 Artocarpus communis
12/2/32 Breadfruit roots cuttings from Mr. G.P. Wilder: Papeete Tahiti. The varietal name given Maiore Started from Papeete Nov 7 25 days in transit Fair condition.

5696 Lansium domesticum Lanzon
12/2/32 147 seeds introduced from the Philippines by S.N. Parmalee who returned the seeds over to the station as he left the Territory permanently Lanzon a very desirable fruit in Malaya & P.I.
Seeds rather dry but may germinate
(Jan 20, '33 none of the seeds grew

5697 Nephelium dawa dawa
1-4-33 3 seeds alive, 5 having been destroyed by Inspector
29 days in transit (moss too wet)
From G.P. Wilder, Tahiti.
Jan 20 33 Fall 3 seed germinated

5698 Vanqueria edulis
1-4-33 7 seeds from G.P.W., Tahiti,
29 day in transit good condition

5699 Aberia caffra
1/4/33 pkg. seeds from G.P.W., Tahiti
seeds in good condition

5700
1-4-33 Pkg. dry seeds no name given collected from mountain forest in Tahiti by G. P. Wilder. 29 days in transit.

5701 Citrus sinensis smut seedling Dsmarga
1-4-33 Cuttings of a fine sweet seedless orange collected from mountains in Tahiti by G.P. Wilder, 29 days in transit - Those packed in charcoal and damp moss 7 alive and 12 dead Those in damp moss 4 alive and 6 dead Condition of best not very good .. Will be grafted

5702 Psidium araca F.P.I. 101,493 U.S.D.A.
1/6/33 1 pkg seeds originally from Middle Egypt Botanical Station El-Saff. Egypt.

5703 Psidium coriaceum F.P.I 101,494
1/6/33 1 pkg seeds originally from Middle Egypt Botanical Station El-Saff. Egypt.

5704 Psidium arjavillum
1/6/33 1 pkg seeds from Middle Egypt Botanical Station El-Saff Egypt thru B.P.I., F.P.I. 101,496

5705 Cocos.
1/12/33 6 Pacific coconuts from G.P. Wilder to Plant Inspector for Wishard of Kohala. Inspector turns them over to the Hawaii Exp. Station Small nuts in good condition liquid in each so may germinate.

5706 Annona cherimola
1/20/33 2 grafted trees 3 ft high, var. "Whaley" from Armstrong's Nurseries, Ontario, Cal., received 9/2/32. selected var. from his catalogue. 1 plant sent to Kona Sub Sta. ~~(Jan 20, 33 1 left at Central Sta dead) "Whaley"~~

5707 Annona cherimola var. "Delicious"
1/20/33 2 trees budded 3 ft. high in good condition received from Armstrong Nurseries, Ontario Calif. 1 sent to Kona Sub Station

5708 1/20/32
Annona cherimola, var Booth
2 budded trees 3 ft high rec'd 1/22/32, from Armstrong's Nurseries Ontario Calif.
1 plant sent to Kona Sub Station.

The plant kept at Central Station died previous to Jan 20, '32

5709 1/22/32
Diospyros kaki "Hachiya"
2 budded trees purchased of Armstrong's Nurseries, Ontario Calif. These 3 trees, 1 to be planted at Central Station the other at the Kona substation

5710 1/22/32
Diospyros kaki "Fuyu"
2 budded trees 3 ft. tall purchased of Armstrong's Nurseries, Ontario Calif.
1 set at Central station
1 " " Kona substation

5711 1/22/32
Diospyros kaki "Gailey"
2 budded trees 3 ft. tall purchased from Armstrong's Nurseries
1 set at Central Station, Honolulu.
1 " " Kona substation, Hawaii.

5712 1/22/33
Rubus sp.
2 plants of Mammoth Thornless Blackberry from Armstrong's Nurseries Ontario, Calif.

5713 1/22/33
Rubus sp.
2 plants of Young Berry set in pots to be transplanted later.
From Armstrong's Nurseries Ontario, Calif.

5714 1/22/33
Rubus sp.
Garden Dew Berry
2 plants from Armstrong's Nurseries Ontario, Calif.

5715 1/22/33
Lycopersicum esculentum
Pritchard Tomato, 1 pkg seeds from W.S. Porter Asst. Pathologist B.P.I.
1 Trial planting at Hawaii Station Honolulu
See leaflet Circular 143 - 1932 - U.S.D.A.
Sending seeds to Kona Sub-sta. and to Maui Sta.

5716
1/22/33
Flacourtia indica "Ramontchi"
1 pkg seeds from fruit gathered at Manawili Kaush Oahu, by Mr. T.C. Zschokke, U. of H. Station Las plants of this. The fruit is edible; the plant a thorny bush
Plants will be raised for distribution exp.

5717
1/22/33
Antidesma bunius. Bignay
1 small pkg seed forwarded from Bureau of Agri, Manila where the late P.J. Wester had collected for exchange
There are some trees about 16 years old at Imutaliss Substation

5718
2/4/33
Diospyros virginiana
47 seeds from F.P.I. U.S.D.A. American persimmon
Height 50 ft or more, leaves shiny green, 6" long, ovate; fruit yellow or orange, edible after frost.

5719
2/4/33
Diospyros sinensis
18 seeds of Chinese persimmon
Popenoe gives the species as synonymous of Diospyros kaki
From the F.P.I. B.P.I. of U.S.D.A. Washington D.C.

5720
2/4/33
Asimina triloba 16 seeds
Papaw of the Central States
From F.P.I. B.P.I. of U.S.D.A. Washington D.C.

5721
2/4/33
Passiflora molissima or Tacsonia molissima, 24 seeds from F.P.I. of B.P.I. of U.S.D.A. Washington D.C.
Flowers 3 inches across, fruit yellow

5722
2/4/33
Abelmoschus moschatus
100 seeds
The muskmallow, the seeds a source of perfume; flowers yellow with crimson center

5723
2/4/33
Nyssa sylvatica
Pepperidge tree also called a sour gum and Black gum
Nativity Maine to Florida. tree reaches 100 ft in height, fruits 2/3 inch long, 1 to 3 together

5724
2/24/33
Vangueria madagascariensis
In form a large shrub to small tree
Wilder describes as having fruit about
an inch in diameter, greenish yellow
and sub-acid
4 seeds from B.P.I.
Seeds rather dry and lifeless

5725
3/21/33
Aleurites trisperma from R.A. Young
Foreign Plant Introduction Washington, D.C.
The oil of the nuts are different from
Tung oil but good for paints and varnish
3 seeds from a tree at Palm Beach, Fla.

5726
2-28-33
Withania somnifera F.P.I. 100952
100 seeds from Mr. R Ryerson B.P.I.
originally the seeds were from Dept of Agr.
Nairobi, Kenya, Africa
also see Salpichroa sp.

5727
3/2/33
Ixora
1/8 oz. seed
Ixora fragrans
from Mr. G.P. Wilder Papeete
Tahiti: Seed in bad condition
32 days in transit

Phyllanthus distichus

5728
3-1-33
Cicca acida or
6 seeds, Otaheite Gooseberry
from Mr. G.P. Wilder Papeete
Tahiti 32 days in transit
Seeds apparently in good
condition

5729
3-1-33
Inocarpus edulis
Tahitian Chestnut 2 seeds
from Mr G.P. Wilder, Papeete
Tahiti. 32 days in transit
seed apparently in good condition

5730
3-1-33
Canarium commune
18 seeds of Pili nut
oval ridged nuts from
Mr. G.P. Wilder Papeete
Tahiti. 32 days in transit
Seed apparently in good condition

5731
3-1-33
Psedium guajava
Sweet guava from Miss Mabel
Green, County Extension agent
Honolulu T.H.

5732 Psidium guajava
3/1/33 1 Pkg Solo Papaya seeds collected by Mr. Zschroce

5733 Flacourtia indica
3/1/33 1 pkg seeds of Ramontchi from Miss Green County agent

5734 Guilielma utilis "Pejibaye
3/3/33 seeds in Moss in tin can marked #30 From Canal Zone Exp. Gardens turned over to Station by Mr. J.C. Zschokke for germination report percentage of germination to him

5735 Guilielma utilis Pejibaye
3/3/33 seeds in powdered charcoal. marked # 305. From Canal Zone Exp. Garden to Mr J.C. Zschokke of U.S.D.A. for germination Report results

U.S.D.A. B.P.I.

5736 Cherimoya Hybrids (02408 9)
3/20/33 Annona squamosa × acherimola
" " × seli
" " × reticulata
6 bud sticks 7 each started from Coconut Grove, Fla. S.P.I. reached H.E.S. Mar. 20, 33 in very bad condition only one shoot a. squamosa × acherimola in poor condition a. s. × a. reticulata dead

5737 Theobroma cacao
11/20/32 2 fruits from Hilo to J.M.W. Seeds planted 11, 22, '32 seeds germinated and grown in pots.

5738 Barringtonia edulis
3/27/33 10 seeds brought in by Mr. G.P. Wilder from South Seas, Fiji, rattle remainder not rattle the kernel can be eaten other species poisonous. Placed for germination in sand bench

5739 Eugenia
3/30/33 4 small trees of Solomon Island apples from Mr. John H. Maunawili Ranch Waimanalo Oahu

5740
3/30/33
Coffea arabica, var. Guatemala
100 plants 1 foot high from Mr. John Herd, Maunawili Ranch, Oahu
origin stock brought to Ranch about 32 years ago.

5741
3/30/33
Coffee "Java"
1000 seeds from Mr. John Herd, Maunawili Ranch, Oahu
Exact variety not known but plants are of good size and Robusta rather large but evidently arabica or some hybrid seed large or nearly so as Liberian but not that species said to be better than 5740 in quality

5742
3, 30'33
Theobroma cacao 1 fruit
from Mr. J. Herd Maunawili Ranch, Oahu.

5743
4/17/33
Aleurites montana
2 lbs. F.P.I. 33897 from U.S. Plant Introduction Garden
See letter from R.A. Young B.P.I. Washington Mar. 29, 1933.

5744
4-17-33
Annona cherimola
1000 seeds collected from fruit taken from tree at Puuwawaa Ranch the previous week, Kona Hawaii.
These seeds to be used as root stocks for scions of known variety

5745
5/22/33
Lucuma domingensis
20 seeds from F.P.I. #102352 originally from Haiti
Collected by the A.V. Armour Exp.

5746
5/22/33
Carica papaya
20 seeds F.P.I. #102347 originally from Nassau
Collected by the A V Armour Exp. Sta.

5747
5/22/33
Maba crassinervis
25 seeds, S.P.I. #102670
originally from San Salvador
Collected by the A V Armour Exp.

5748 Carica papaya "Red Rock"
5/29/33 Seeds, 30, thru Pan Pacific originally from Red Rock Papaya Co., N.G. Stilwell Manager Brownsville Texas See article in Literary Digest for Dec 3, 1932.

5749 Carica papaya
5/31/33 100 seeds of a good papaya grown by Mr. Arthur Rice on Kailua beach. Seeds brought in by Mr. G.P. Wilder. Monoecious fruit long and of excellent flavor

5750 Lonchocarpus domingensis
6/7/33 5 plants, F.P.I # 88863, arrived in good condition Seed collected in Guadeloupe, W.I. as per letter of R.A. Young F.P.I. USDA. date of May 9, 1933.

5751 Phoenix dactylifera
Deglet Noor date seeds, 100. from fruit purchased in Honolulu, special stock from California.

5752 Mangifera indica from 3230 Lincoln Ave
8/2/33 1 fruit brought in by Mr. C.E. Le Pard A seedling of some Indian variety see description in records of mangoes Hort Div. H.E.S. 1933. Get graftwood in Sep.

5753 Mangifera indica
8/2/33 1 fruit somewhat pirie shape thick tough rind, hard until fully ripe. Rind green with pinkish cast and numerous whitish specks. very fine flavor with splendid odor. See description of mangoes for 1933.

5754 Carica papaya 50 seeds from
8/14/33 F.P.I. #102,692 collected at Summit, C.Z. C.Z. Exp. Station

5755 Carica papaya, Red-fleshed var.
8/14/33 F.P.I. 102,693, originally from Canal Zone Exp. Garden, Summit, C.Z.

5756
8/14/33
Carica papaya 30 seeds F.P.I. #102,694 originally from Old Providence Island W. Indies

5757
Lungan procured by H. K. Lee at Hanapepe, Kauai. Reported to be of large size.

5758 to 5796

5797
8/21/33
Aegle marmelos Bhel fruit 1 fruit with about 20 seeds collected near Pearl City, Oahu. Seeds placed for germination

5798
9/6/33
Aegle marmelos Bhel or Bael 25 seeds from Agri. Ext. Service U.S.N. from a fruit grown in Oahu.

5799
9/20/33
Phoenix dactylifera. Deglet Noor 20 seeds of good fruit received by W.T.P. from California.

5800
9/7/33
Citrus medica, Italian Citron CES 128 From Dr. H. J. Webber and Dr. R. G. La Rue, Citrus Exp. Station Riverside, Calif. mailed Aug. 25. 13 days in transit and in splendid condition, 1 doz budsticks This is a sour pulp variety.

5801
9/7/33
Citrus medica, Corsican citron. Diamante variety from Italy. C.E.S. 1795, 1 doz budsticks in splendid condition from H. J. Webber and R. G. La Rue Calif Citrus Exp. Sta. Riverside cal. 13 days in transit This is a sweet citron.

5802
9/15/33
Persea americana Avocado Scion wood from a tree growing on Dr C. B. Cooper's place Aiea, Oahu. Fruit of the tree is very good appears to be that of a hybrid ripening in septembeer Scionwood brought in by Mr. G. P. Wilder

5803
9/26/33
Boehmeria nivea, "Ramie" 20 gms seed to J.M.W. from L.H. Dewey of U.S.D.A. To be germinated by Hort. Dev

5-804 *Averrhoa bilimbi* (Bilimbi or Cucumber tree)
11-6-33 One plant from Mr. G.P. Wilder who collected it in Fiji Botanical Garden at Suva
Bailey, page 435 Vol. 1: height 20 to 60 Ft. flowers red, fruit cucumber-shaped smooth green, acid pulp, cultivated in South America.

5-805 Eugenia aqua white fruited
11-6-33 One plant from G.P.W. seedling from Hillebrand Park. Honolulu

5-806 Eugenia sp.,
11-6-33 1 plant from seed collected by Mr. G.P. Wilder in Fiji Bot. garden Fruit very large, red, 10 to 15 seeds interlocked in each fruit.

5807 *Chrysobalanus icaco* or *alba* by Mr. Wilder
11-6-33 1 plant from Mr G.P. Wilder It is a large straggling shrub from Tropical America. It is sometimes used for hedges.

5-808 *Strychnos spinosa* var. *pairiformis*
11/9/33 F.P.I. 103771 17 seeds from From Division of Plant Introduction B.P.I. U.S.D.A. for trial at Hawaii Exp. Station Originally obtained from Henri Perrier de la Bathie, Tananariva, Madagascar.

5-809 Coccoloba latifolia Seeds
11/9/33 From Foreign Plant Introduction Office F.P.I. 103786 Originally obtained from Exp. Station at Suriname

5-810 Prunus sp. Wild plum, from
11/9/33 Wyoming State brought in by Miss Eder of U.S.D.A. Extension Will place for germination

5811 Bixa orellana "Ornatta"
11/29/33 ½ lb. seeds from Enrique Balentine seeds placed for germination

51

5812 12/7/33 *Pachira Aquatica*
Malabar chestnut
2 plants from Mr. H.T. Willey Makawao Maui received 2,17,'33, not recorded sooner as did not have botanical name

5813 *Pimenta officinalis*, "Allspice"
1 tree from seed # 1027, set in the front gate hibiscus field as tree No. ——

5814 *Ormosia* sp.
1 seed germinated of a few received ~~Jan~~ 1931 but not listed
Tree planted in N. field near front gate. The bright red seeds have considerable value for making necklaces in Central America.

5815 *Schotia brachypetala*
Seedling from the old tree in field B IV Handsome tree
Nectar producing tree and source of a gum of economic importance

5816 9/26/33 *Sandoricum koetjape*, Santol.
15 seeds from Mr. G.P. Wilder (Not recorded until after germination) The fruits from tree near his place in Makiki, Honolulu.
Fruit apparently of little value.

5817 3/13/33 # III
Seedling lungan tree of which the fruits are large and of good quality. Growing in vicinity of Hon. Dairymen's plant on Sheridan St. Procured by Mr. Chong of Bureau of Plant Inspection

5818 7/13/33 *Euphoria longan*
Scion wood designated as # 2
10 grafts growing 12/12/33
From tree on Cedar St. Honolulu, per Mr. Chong of Bureau of Plant Inspection.
Good seedling tree of # 1

5819 8/15/33 *Mangifera Indica*, sd. var. Diss
Seedling trees and 5 large fruit of mangoes said to have originally been introduced from Philippines about 1904.
Trees growing at 262 Paoa Rd.
Fruit oblong, greenish and very tart

5-820
1/9/34
Diospyros kaki var. Hachiya
Persemmon
4 seeds from Div. Foreign Plant
Introduction Washington, D.C.
Fruit oblong-conical. One of the best
varieties grown in Calif usually seedless

5-821
1/9/34
Diospyros Kaki var. Ormond Persimmon
3 seeds from Mr R.A. Young
Bureau of Plant Industry
Fruit late in Nov. and Dec.

5822
1/9/34
Diospyros kaki var. Fuyu Persimmon
2 seeds from Mr. R.A. Young
Foreign Plant Introduction. B.P.I.
Fruit oblate very desirable.
non astringent fruit.

5823
1/9/34
Diospyros kaki var. Tanopan persimmon
1 seed from Mr R.A. Young F.P.I.
B.P.I. Washington D.C.
Fruit with constriction around the
middle. fruit large sometimes
as much as 16 ounces.

5824
2/2/34
Diospyros kaki Persimmon
var. Kaki Kuma 1 pkg seeds 50.
F.P.I. No. 13841 From Chico
Cal.

5825
2/2/34
Diospyros kaki Persimmon
var. Atago 50 seeds
F.P.I. #13842 From Chico, Calif.

5826
2/2/34
Diospyros kaki Persimmon
var Shakumi, 50 seeds.
F.P.I. #13846 from Chico station
Chico, Calif.

5827
2/2/34
Diospyros kaki Persimmon
var. Fuyu. 50 seeds
F.P.I. #26491 from Chico Station
Chico Calif.

5828 Mar. 19, 34 Diospyros virginiana American persimmon 1 pkg seeds about 100 from Div. F.P.I. Washington D.C. through kindness of Mr. Young. Horticulturist of that Division. None of these germinated 7/12/34

5829 2/2/34 Diospyros Kaki Persimmon var. Sugugaki, 50 seeds #2-1034. from Chico Station Chico, Calif.

5830 2/2/34 Diospyros Kaki Persimmon var. Myotan, 50 seeds F P I #47323 from Chico Garden Chico, Calif.

5831 3-23-34 Cytisus stenopetalus F.P.I. #65011 3 plants from Chico station B. P. I. Order date Feb. 16. 1934 2 dead 7/12/34

5832 3-23-34 Eucalyptus algeriensis F.P.I. 95516 2 plants from Chico station B.P.I. Mailed Feb. 16, 1934

Eucalyptus cinerea F.P.I. 1 plant #101065 was dead on arrival. (very small)

5833 3-23-34 Ilex latifolia F.P.I. 91518 1 plant from Chico station Order date Feb. 16, '34 at Washington

5834 3-23-34 Melaleuca hypericifolia F.P.I. 90860 2 plants from Chico station B.P.I. order date Feb 16 at Washington July 12, 1 is dead

5835 3-23-34 Melaleuca styphelioides F.P.I. 75567 2 plants from Chico Station, B.P.I. Order date, Feb. 16 at Washington.

5836 Myoporum insulare F.P.I. 64192
3/23/34 3 plants from Chico, B.P.I.
Order date in Washington D.C., Feb. 16, 1934
2 plants dead 7/32/34

5837 Pterocarya stenoptera F.P.I. 61938.
3/23/34 2 plants from Chico B.P.I.
Order date in Washington D.C. Feb. 16, '34
July 12 2 alive

5838 Rhus viminalis F.P.I., 95067,
3/23/34 3 plants from Chico station B.P.I.
Order date in Washington D.C. Feb. 16. 34

5839 Eugenia uniflora. Surinam cherry
4/7/34 32 seeds of variety having very dark red fruit at maturity
From Mr. G.P. Walden

5840 Annona squamosa. Sugar-apple
4/9/34 F.P.I. 96384 — 3 plants
not in very good condition.
Potted and placed in slat house

5841 Annona reticulata 1 plant
4/9/34 Custard Apple F.P.I-81844.

5842 Lonchocarpus domingensis
4/9/34 1 plant F.P.I- No. 98863.

5843 Acacia giraffae
4/9/34 1 plant F.P.I- No. 94235

5844 Acacia horrida
4/9/34 1 plant F.P.I-No. 94236

5845 Aloe schlechteri
4/9/34 1 plant F.P.I No. 98010

1 Plant of Trimega martinicensis
No. 97762 dead on arrival

5846
4/12/34 Larix dahurica F.P.I. 97946
1 plant in bad condition
This plant dead-7/12/34.

5847 Betula costata F.P.I-90657
4/12/34 1 plant in bad condition
dead,-7-12-34

5848 Euonymus hamiltonianus
4/12/34 1 plant in bad condition

5849 Quercus acuttissima
1 plant F.P.I. No. 88607

5850 Ilex serratta F.P.I. 85735
1 plant - dead July 12, '34

5851 Diospyros mollis mailed May 3, '34
5/20/34 6 seeds from Coconut Grove. Fla.
thru B.P.I. seeds without acc. No.

5852 Tecoma stans
5/20/34 2 pkgs. seeds from Coconut Grove Fla.

5853 Carissa grandiflora
5,20,34 2 pkgs. seeds from Coconut Grove Fla thru B.P.I. without number.

5854 Barleria lupulina
5-20-34 1 pkg. seeds
From Coconut Grove, Fla.

5855 Barleria alata
1 pkg. seeds from Coconut Grove

5856 Bauhinia rosea
5-20-34 1 pkg. seeds Coconut Grove

5857 Mimusops caffra
5-29-34 1 pkg seeds from Coconut Grove. Florida

5858 Grevillea banksia
5-20-34 2 pkgs. seeds from Coconut Grove Fla. S.P.I. Station

5859 Melaleuca leucadendron
5/25/34 5 small pkts of seeds B.P.I. 029067
Common name - "Punk tree"
Flowers almost like bottle brush
An Australian tree

5860 Lecythus elliptica
5/26/34 10 seeds from Prof. J. E. Higgins
Canal Zone Experiment Station
The species is a Brazilian nut
which does well at Panama

5861 Annona diversifolia
6/12/34 75 seeds R.N.P.S. 105716
From Washington D.C. May 25, 1934.
having been obtained from Guatemala
This Annona is the "cherimoya of the
lowlands" "Annona blanca"

5862 Persea americana
1/11/34 Panchoy hybrid from 3449 James St
Honolulu. One fruit presented by
Mr. Shiraki
The fruit very large and of good
quality (4 lbs 2 oz.)
No graft wood obtained to June 16.
34

5863 Dennis elliptica
1/11/34 6 sealed cuttings of a vine
received by Mr. J.M. Westgate
from Extension Div. U of H.
said to be from Canal Zone.

5864 Diospyros virginiana
4/24/34 18 plants received from
Chico Station.
These plants, about 1 foot high,
finally leaved out and all but
two were alive on July 22, '34

5865 Bauhinia tomentosa
4/24/34 1 plant F.P.I. 98802.

5866 Canella winterana F.P.I. 98615
4/24/34 1 plant called "Wild cinnamon"

5867 Sabal glabra F.P.I. 97289
5/24/34 A palm tree one

5867-a Casuarinia tomentosa 101608
and
Pittosporum heterophylla 99451
both died before listed

5868 Dollya heterophylla F.P.I. 99461
4/24/34 1 plant of Australian Bluebell

5869 Mangifera indica "Hayden"
7/16/34 12 seeds from W.L. Wentzel M.D.
44 So. W. - 11th St., Miami, Fla.
Seeds in bad condition, several of best looking placed for germination. The Station has already 3 trees of this variety.

5870 Licania rigida.
10/29/34 22 nuts of Oiticica
from S.L. Ruden jr & W.P. Fuller Paint Co.
S.F., P.O. Box 2636 Honolulu who received the seeds from Dr. Sandner of W.S.D.A. Washington. Nuts a source of valuable oil from Brazil.

5871 Citrus cinensis Vancouver assng
10/15/34 Leafwood and photograph of very large old assng tree believed to be one of the original brought here by Capt Vancouver on Nov. 4. 1792
The tree is located near home of David Paris at Capt. Cook Kona. Hawaii

5872 Citrus decumana. Large
10/15/34 round fruit and graftwood from an old tree at the old home of H.F. Holstein Makapala Kohala Hawaii.

5873 Euphoria longan Large
10/15/34 fruited longan tree
collected graftwood
Kohala Hawaii

5874 Diospyros virginiana
9/16/34 1000 seeds from Bura Plant Industry for exp. in root-stocks in persimmon project.

5875 Carica candiamarcensis
11/22/34 1 pkt. seeds from A.M. Cramer
Wonosobo, Java.
Seeds in the mail and inspection office 37 days.

5876 *Rubus glaucus* Andes Blackberry
11/22/34 1 pkg dried berries containing the seeds from A.M. Cramer of Wonosobo Java.

1935

5877 Carica paya
3/23/35 100 seeds from Suva Fiji
presented by G.P. Wilder

5878 Pelagodoxa henriana
3/23/35 24 seeds from
Presented by Dr. G.P. Wilder

5879 Carica papaya from Nelson Marquez
3/30/35 Office of Agronomy, Guayaquil
Ecuador, S.A.
1 sample pkg of seeds of
yellow fleshed papaya
mailed on Feb. 22, 1935.
Fruit semi cylindrical, large, flesh thick
yellow, few seeds.

Carica papaya.

5880 Papaya seed sample of rose
colored flesh (Ecuador)
1 pkg seed
Fruit described as pyriform, large
flesh thick and rose colored
seeds in fruit comparatively few.
36 days in transit.

5881 *Diospyros kaki* Persimmon
4/2/35 seeds from Extension Division
U.S.P.I. seeds recently from Japan
2 of P.I. # 1070
Variety - Shibunchaki

5882 Licania rigida.
4/16/35 Oiticica oil nut
seeds of 1935 crop
mailed from Washington D.C.
Mar. 22 1935 from Dr. H.A. Gardner
See circular 470, 1934, Science Section
by H.A. Gardner Nat'l Paint & Varnish Assn. Inc.

5883 Bixa orelana
4/16/35 From B.P.I.

5-3
12/1

5884
4/10/35

Castanea argebatia
seeds from A.M. Cramer Sr.
Wonosobo, Java.
mailed Nov. 16, 1934. received 4/10/35

5-5
12/3

5885
May 28
'35

Zizyphus jujuba
17 seeds collected by Otto
Degener while in Panama city
in April 1935

5-
12

5886
5/28/35

Lucuma sp. No. 4
3 seeds collected in Panama
City by Otto Degener, April 1935

5
12

5887
5/28/35

Lucuma mammosa No. 2
3 seeds. Collected by Otto Degener
April 1935.

5889
5/28/35

Calocarpum mammosum
Sapota or Mammee Zapato
Collected in Havana Cuba in
April 1935 by Otto Degener

9

5890
5/28/35

Ceratonia siliqua carob or
St. Johns Bread.
Seeds collected by Otto Degener

5891
5/28/35

Pkg seeds of Nut Pine
Collected by Otto Degener
Pinus edulis from
Southern California 1934
crop.

5892
5/28/35

Orbignya speciosa
46 seeds of Babassa palm
P.I. No. 036273. U.S.D.A.
from Rio de Janeiro, Brazil,
Botanical Gardens

5893
6/29/35 Bauhinia purpurea
1 pkg seeds from P.E.P.I. of B.P.I.,
U.S.D.A.

5894
6/29/35 Coffea Bydybowakii
7 seeds of this variety from
P.E.P.I., of B.P.I., U.S.D.A.
Seeds very dry

5895
7/11/35 Inodes mexicana
1 plant B.P.I. Dir. P.E.I
No. 104691 from Gendale

5896 Adenanthera microsperma
1 plant P.I. No. 103970 - Coconut Gro
B.P.I.
Species originally from Java
but U.S.D.A. obt from Cuba.
A handsome trop. tree relatid
to mimosas. Pods bear bright red
beans

5897 Antigonon sp. P.I. No. 105769
1 plant
originally found in Venezuela but
plants to U.S. from Puerto Rico
Has a larger pink flower than A. leptopus

5898 Cassia multijuga B.P.I.
P.I. No. 106592, Coconut Grove
2 plants
Tree about 15 Ft. high comp. leaves
small leaflets yellow flowers,
pods flat.
Native of Trop. America

5899 Chamaedorea sartorii B.P.I.
P.I. No. 101700
1 plant, coconut Grove.
Shade loving palm 10 to 15 Ft. high
native of southern Mexico
small black fruit.

5900 Chamaedorea sp. B.P.I
P.I. No. 105580., Coconut Grove.
2 plants
Palm with yellow flowers and dark
blue berries.

5901 Cocothrinax martii, B.P.S.,
7/13/35 P.I. N.º 98488. Coconut Grove.
1 plant
Beccari palm from West Indies.
25 ft. tall, adapted to hard dry soil
plant has leather-like base.

5902 Datura sp. B.P.I.
7/13/35 P.I. N.º 107826 Coconut Grove
1 plant
A thorn apple from Equador
Has a long pink flower

5903 Deguelia dalbergioides, B.P.I.
7/13/35 P.I. N.º 105708 Coconut Grove
1 plant
Small leguminous tree

5904 Koelreuteria formosana B.P.I.
7/13/35 P.I. N.º 106808, Coconut Grove
2 plants

5905 Passiflora manacata B.P.I.
7/13/35 P.I. N.º 106451, Coconut Grove
2 plants

5906 Pinus insularis, B.P.I.,
7/13/35 P.I. N.º 101448, Coconut Grove
2 plants

5907 Pithecellobium junghuhnianum
7/13/35 B.P.I., P.I. N.º 68862 Coconut Grove
2 plants
Tropical leguminous tree native of Java. Promising as a street and park tree in frostless regions
beautiful foliage & small flowers.

5908 Rademachera sp. B.P.I. P.I. N.º
7/13/35 105626, Native of South China
1 plant, Lignonaceous tree
with yellow flowers
Possible park tree

5909 Randia formosa B.P.I. P.I.,
7/13/35 No. 106597
1 plant. originally from British Guiana
Attractive flowering shrub with
long white flowers, small fruit
size of a gooseberry said to be
edible.

5910 Reevesia sp. (Sterculiaceae)
7/13/35 B.P.I. - P.I. No. 105627, 1 plant.
native of South China, entire leaves
pink flowers & brown fruits.

5911 Sabal mauritiaeformis from B.P.I.
7/13/35 P.I. No. 104703 Palmetto, Palm,
1 plant, native British Guiana
and West Indies. tree gets
60 or 80 ft. high.

5912 Tecoma gaudichaudii
7/13/35 P.I. No. 107836 from Ecuador
1 plant. An arborescent shrub
elyptical leaves, coarsely serrated
large yellow flowers.

5913 Scutellaria ventenatii
7/13/35 P.I. No. 97851
1 plant.

5914 Parmentiera edulis
9/19/35 2 pkgs. seeds from Coconut Grove,
Fla. thru B.P.I. Washington, D.C.

5915 Carica papaya Rose colored
flesh, seeds from
Nelson Marquez director of
Milagro Experiment Farm
Guayaquil, Ecuador, S.A.

5916 Coffea arabica var. Bourbon.
11/15/35 44 seeds from U.S. Dir. Plant
Introduction

5-917 Annona squamosa "Sugar apple"
11/20/35 2 oz. seed from Lingnan Univ.,
Canton, China. collected by
Permit No. 184-3 Mr. J. M. Westgate. mailed Oct. 19. 35.
See letter enclosed with seeds.
Placed for germination in Kort.

5918 Canarium album, "Chinese
11/20/35 White Olive"; 4 oz. seed from
Permit No. 184-3 Lingnan Univ., Canton, China.
Sent in by J.M. Westgate Oct. 19, 1935

5-919 Canarium pimela. "Chinese
11/20/35 Black Olive," 8 oz. seed from
Permit No. 184-3 Canton China. U of Lingnan
Collected by J.M. Westgate 10/19/35

5920 Phaseolus sp. Ngar Choi Dow
11/20/35 5 oz. seed from Lingnan Univ.
Permit No. 184-3 Canton China collected by
J.M. Westgate 10/19/35
Package of seeds delivered to
Frank in Agronomy 11/29/35

5-921 Celosia argentia Variegated
11/20/35 coxcomb. from Lingnan
Permit No. 184-3 University, Canton China
1/16 oz., 2 pkgs. seed. collected
by J.M. Westgate, mailed 10, 19, '35
Some of the seeds placed for
germination.

5922 Litchi chinensis
10/24/35 18 scions of graftwood from
tree, the fruit of which had small
seeds collected in Hilo District,
by David Chang of Plant Inspection
Honolulu.
Nov. 26 about 10 reported growing

5923 Elaeagnus philippinensis.
2/28/36 260 seeds placed for germination
From Manila P.I. by J.M. Westgate

5924 Elaeis guineensis.
3/28/36 Oil palm 2 seeds
From J.M. Westgate

5-925 Myristica fragrans Nutmeg
2 oval seeds
2 long seeds
From J. M. Westgate.

5924 Carica papaya seed —
2/10/36 from Batavia - Java.
J. M. W.

5927 Litchi chinensis, variety
3/18/36 No Mai Tsz from Lingnan (?)
Univ. to D. Fleming & Lahaina.
Packed in damp moss & some only dipped
in paraffin. Wood in poor condition

5928 Litchi chinensis, variety
3/18/36 Sheung Shui Mai
Wood in poor condition; held
for propogation
Source as above

5929
3/18/36 Litchi chinensis, variety
Pakpor Nuang.
Scion wood in poor condition
Held for propogation.
Source as above

5930 Litchi chinensis, variety
3/18/36 Pakchan Kwa Luk. Source
as above. Scion wood in poor
condition. Held for propogation.

5931 Litchi chinensis, variety
3/18/36 No Tsz Sui. Source as
above. Condition of wood, poor.
Held for propogation

5932 Litchi chinensis, variety Tai
6/15/36 Tsz. Sent via China Clipper from
Lingnan University. Scions in
good condition & grafted to
seedling stocks.

5933 6/15/36 Litchi chinensis. Scions of variety Pak pohueng received from Kwangsung Univ. by China Clipper in good condition. Grafted to seedling stocks

5934 6/15/36 Litchi chinensis, var. Pak Lok Tsz from same source as above

5935 6/15/36 Litchi chinensis, var. Ng Mai Tsz. Scions from same source as above

5936 6/2/36 Limeriola Tangelo: Received from Dr. H. P. Traub, Orlando, Fla. by P. O. A. air express. Scions packed and mailed in damp moss on May 27 & received June 2 in excellent condition. Grafted to nursery stocks.

Received on the same date from the same source were the following other varieties of citrus:

5937 Limeriola tangelo

5938 Perrine lemon

5939 Orlando tangelo

5940 Umatilla tangelo

5941 Sunshine Grapefruit

5942 Lakeland lime

5943 Nippon kumquat.

5944 7/9/36 Red Papaya Seed from Restcourt E. H. Borlase, Dumbaw, Afr. - 1 pkt.

5945 7/9/36 Averrhoa bilimbi 20 seeds. - P.I. # 114863.

5946
7/16/36.

2 Mangosteen plants. Received from W.K. Bailey, Puerto Rico; shipped via air express from San Juan July 11, received at Alameda July 15; reached Hon., July 16.
Two plants planted in good sterilized soil to which soil from around mangosteen plants at Maunawili Ranch was added. The other plant was wrapped in sphagnum moss moistened with acetylene water; planted in soil from Maunawili Ranch July 20.
These were apparently seedling plants.

5947
7/27/36

Aleurites cordata
¼ lb. 3 seeds received from Bureau of Plant Industry
S.P.I. # 116707

5948
8/19/36

Eugenia sp.
½ oz. seed received from Div. of Plt. Explorations and Introd., B.P.I.
P.I. #116,576.
From Saharanpur, India.

5949
8/21/36

4 Macadamia Nut seedlings from Coconut Grove Fla.; Plant Introduction B.P.I. No. 111418. Seed originally from New South Wales, Australia.

5950
9-18-36

Mangosteen seed from L.H. Phillips, P.D. Received via parcel post. Condition: mouldy.

5951
9-18-36.

Lanzone seed from L.H. Phillips P.I. Received via parcel post. Condition: mouldy.

5952
10/9/36

"India Red" pummelo, (10058) Received from Dr. H.P. Traub, Orlando, Florida, by P.A.A. air express. Scions packed & mailed in damp moss on Sept. 29 & received Oct. 9, 1936. in excellent condition.
Received on same date from same source were two

budsticks each of the following:

5953 "Kao Pan" (Siamese) (10091) white flat pummelo.

5954 "Thong Dee" (10092) Gold Good pummelo.

5955 "Mark's Chinese" (11217) pummelo.

5956 "Tresca" (11247) pummelo.

5957 "Kao Phuang (Siamese)" (14012) white bunch pummelo.

5958 "Pin Shan Kong Yan" (15072) pummelo.

5959 "Ogami" (Hunt Red) (18028) pummelo.

5960 "Siamese" (11449) pummelo.

5961 "Bowen" grapefruit (7408)

5962 "Thompson" (11490) grapefruit.

5963 "Davis" (11634-A) grapefruit.

5964 "Mott" (18032) grapefruit

5965 "Foster" (18049) grapefruit.

5966 Lemon; brought back from Kona by Dr. Beaumont. Of 9-24-36 good shape and quality.

5967 Lanzon seed (418 seeds counted); Sent by 12/17/36 Dept. of Agr. & Commerce, B.P.I. Manila. (See letter Nov. 12, '36 by Hilarion S. Silayan). Seeds received in mouldy condition, Dec. 17, 1936.

5968 — 6/15/36 from China; 12/24/36 from Guam
Two inarched plants "Jim ngam" (Sweet Cliff), numbered 14095 (growing 12/24/36); 10267 (dead 12/24/36.) from J. N. Groff

5969 — 6/15/36 (China); 12/24/36 (Guam)
Two inarched plants "Kwa Luk" (Hanging Green); numbered 10282 (growing 12/24/36); 32-4357 (growing 12/24/36.

5970
Two inarched plants "Chongwen hung (Royal Red); numbered 10199 (growing 12/24/36); 10248 (dead 12/24/36).

5971
Two inarched plants "Ji tsz sin (Imperial Concubine's Laugh); numbered 10240 (dead 12/24/36); 10239 (growing 12/24/36).

5972(a) — 1/28/37
Papaya seed (1/2 oz) (from Honolulu seed) — Received from E. A. Borlase, 390 Musgrave Rd., Durban, So. Africa.

5972(b) — 1/28/31
Papaya seed (1/2 oz) from E. A. Borlase, So. Africa. — Good var.

5972(c) — 1/28/31
Papaya seed ( ) from E. A. Borlase

5973
Litchi — var Tim Low (Sweet Cliff). Scions from D. L. Fleming, Lahaina, Maui. Received in good condition

5974
Litchi - var. Bids Chois (Hawaii) Scions in good condition from same source as above

5975 — Received 3/12/37
Papaya seed from Walter Lindsay Canal Zone Expt. Station, Gr. stemmed var. (about 400 seed)

5976 — Received 3/12/37
Papaya seed from Walter Lindsay Canal Zone Exp. Sta.. Purple-stem. var. (400 seed)

5977 Received 3/12/37. Carica cauliflora seed (about 50 seed) from Walter Lindsay, Canal Zone Exp. Gardens.

5978 Received 3/31/37. One pkg. Papaya seed from M. H. Barnes of Dept. of Agr. & Stock, Brisbane, Queensland, Australia. ½ oz. – New Guinea type.

5979 Received 4/9/37. Papaya seed from E. G. Borlase Durban, So. Africa (about 100 seed) "from good fruit." Received in good condition.

5980 Received 4/9/37. Papaya seed from above source. Received in good condition. About 100 seeds.

5981 Received 4/21/37. Jaboticaba seed (about 45 seed) (Myrciaria sp) from M. W. Spence. (La Lima – Dela, Honduras) Apparently in good condition.

5982 Rec'd 4/24/37. Carica papaya seed from J. R. Zell, Apartado 128, Habana, Cuba. (3/28/37).

"Seeds of Carica papaya obtained by me, personally, from a fruit that was, surely, of the strain known in Cuba as "Mamey." Flavor, aroma, color, all definitely present."

5983 Received 4/24/37. Carica papaya seed from J. R. Zell. (3/29/37)

"Seeds of Carica papaya given to me by ESTACION EXPERIMENTAL AGRONOMICA, Santiago de las Vegas, Cuba. Station stated that these were variety "ROSADA DE MEJICO".

Observation by Zell:
"Said "VARIETY" does not exist in Cuba today. Seeds are, probably, from fruit that was noted to have qualities, or characteristics, resembling those of the strain (or variety) when it originally came to Cuba, a number of years ago". J.R.Zell.

5984 Received 4/24/37. Carica papaya seed from J. R. Zell (3/28

"Carica papaya seeds brought to me by a workman (who is well acquainted with "MAMEY" type) who stated that seeds were from an unusually good "tasting" fruit of the MAMEY type. I did not see the fruit." J.R.Zell.

5988
Received
4/24/37

Carica papaya seed from J. R. Zell, Apartado 1228, Habana, Cuba.

"Carica papaya seed removed by me, personally, from a fruit NOT MAMEY TYPE, but large size (8 lbs.) and unusually good flavor and some slight aroma, altho clearly not MAMEY". J.R.Zell (3/28/37.

5986
Seed
4/24/37

Carica papaya seed from J. R. Zell. "seed removed by me, personally, from a fruit Not Mamey type, weighing 12 lbs. Very little aroma & quite insipid." J. R. Zell. (3/28/37)

5987
Received
4/24/37

Carica papaya seed from J. R. Zell.

"Carica papaya seed removed by me, personally, from a fruit SURELY of the MAMEY type,-flavor, aroma and color of flesh typical and well pronounced, BUT weighing only ONE POUND (exact) and borne on a male tree. There were very few fruits on this tree and most dropped when small, the others after attaining larger size but before sufficiently developed to ripen after falling off; the ONLY fruit that ripened(on or offthe tree) was that from which these seeds were obtained. J.R.Zell (3/28 37.)

5
Rec
4/.

5988
Received
4/24/37.

Carica papaya seed from J. R. Zell.

"Carica papaya seed from an UNUSUAL FRUIT. This fruit was positively NOT MAMEY type, insofar as SHAPE (it was round type),- COLOR (it was light amber, without even a suspicion of rose color), AROMA or FLAVOR (neither was characteristic of MAMEY TYPE, but it did have quite some aroma and quite some (very pleasing) taste or flavor. Preserved as being unusual in that it did have aroma and flavor (far from insipid,-quite the reverse) altho, insofar as visible characteristics were concerned, NOT MAMEY." J.R.Zell (3/28/37).

5989
Rec'd
May 1, 37

Papaya seed from Bur. Plant Industry, P.I.

5990

Papaya seed from Bur. Plant Industry, P.I.

5991
May 20,
1937.

Received seed of Babassu palm, Attalea speciosa (Orbignya speciosa) N. S. P. I# 123846. One pound of seed. Seed Rec'd in good condition May 20 & planted same day. (From Brazil thru J. W. T. Dowell Commodity Exchange Administration Wash., D. C.)

5992 June 1, 37
Papaya seed "Kusaien" Celu from Clarence F. McCall Kusaie, Caroline Islands (via Japan. This bears very abundantly and the fruit is large. Seed produced about Dec. '36.) #1. Ripens with spots of rotten sometimes. (3719)

5993 June 1, 37.
Papaya seed from McCall. Produced at Ninoy Kusaie in The Micronesian Training Sch. Similar to #1. (3720)

5994
Papaya seed from McCall. Red meat; greenish yellow skin when ripe; very delicious; ripens without bad spots. #2. (3721)

5995
Papaya seed from McCall. Same as #2. (3722)

5996 Received June 1, 37.
Papaya seed (30 seed) P. I. # 123,615 Carica papaya. (From Venezuela). 5-6-37.

5997 Received June 9, 1937
24 grafts of Kensington Pride or Lotts Special mango. from H. Barnes, Director of Fruit Culture, Dept. Agr. & Stock, Brisbane, Australia.

5998
9 grafts of Mammoth thin shell Macadamia from above source.

5999
9 grafts of large medium shell Macadamia from above source.

6000
9 grafts of Mammoth thick shell Macadamia, above source

6001
2 trees Custard apple – Mammoth Island Beauty.

6002
One tree Custard apple – medium lobed Island Beauty. (Australia).

5-98 Received 4/24/37

6003 Received July 1, 1937
25 seed Passiflora sp. "Climber"
Received from Div. Plant Exploration - Introd., Bur. Plt. Introd., Wash.
Seed originated from Kodai Kanal, Palni Hills, India.
Carries P. I. # 124, 140.

5-9 Rec 4/2

6004 7-1-37
Garcinia mangostana - Mangosteen seeds from W. A. Lindsay, Canal Zone.
Arrived in excellent condition packed in peat in small chocolate cans. Some had already started to germinate.

6005 7-1-37
Myrciaria cauliflora - jaboticaba
Seeds of jaboticaba from same source as above in excellent condition.

6006 7-25-37
Carica papaya - P.I. # 124,541
Seeds from Ujjain, Gwalior India

6007 8-21-37
One dozen scions of Carabao mangos from dept. of Agriculture, Manila, P.I. Scions slightly wrinkled but still green.

6008 9-1-37
Seed of Nephelium lappaceum (Rambutan) - received in rather poor condition - some fair - mostly bad. from Jas. B. Edwards, Tela, Honduras C.A. In charge Lancetilla Exp. Sta., Tela, Honduras. 18 seeds.

6009 9-1-37
Garcinia mangostana - good condition - nearly all sprouting. from above source. (30 seeds)

Note: Received in tin containers in damp sphagnum moss.

6010 9-10-37
Papaya seed (161 seeds) from P. A. Joshi, Modern Nursery, Bassein, Bombay, India. (Seeds of Papaya M. N. (No I).

5-28-41/2 Rec'd

6011 Received 10-23-37

50 seeds of Cashew nuts (Anacardium occidentale) - S.P.I.# 124,952. #1 Regiao de Ribaue. Received from Mozambique, Afrique (9-29-37) thru Plant Introd., Washington.

5-9-41/2 Rec'd

6012 Rec'd 10-23-37.

50 seeds Cashew. P.I.#. 124,953. #3. Regiao de Inhambane. From above source also.

6013 Received 10-23-37

50 seeds Cashew. P.I.# 124,954. #2. Regiao de Porte Amelia. From above source.

6014. Received 10-23-37.

50 seeds Cashew. P.I.# 124,955. #4. Regiao de Zuliimane. From above source.

6015 Received 11-1-37.

25 seed of Carica papaya. P.I.# 124,966. (From Mexico, 9-29-37) sent in by W. E. Whitehouse.

6016 Rec'd 11-4-37.

Papaya seed from Ing. Alberto J. Fors. Encargado de los Viveros Forestales Habana. Cuba, who calls this "The Red Variety."

6017 Rec'd 11-4-37

Papaya seed from Ing. Alberto J. Fors. Who calls this "The Yellow Variety."

6018 Rec'd 11-4-37.

Papaya seed from Ing. Alberto J. Fors. who calls this the Wild Variety "The Cimarrona". Described as "a ~~small~~ tall tree; fruit very small; about 2 x 2½"; very sweet, but with little pulp."

5985 Received 4/24/37

6019 Received Dec. 16, 1937 (Pap. 3730)
Papaya seeds from Secretaria de Agr. y Comercio, Estacion Exptl. Agron., Santiago de las Vegas. "Variedad" Mamey."

6020 Recd 12/16/37. (Pap. 3731)
Papaya seeds from above source. "Variedad" "Dominicana."

5986 Recd 4/24/3
6021 (Pap. 3732)
Papaya seed from above source. "Variedad" "Tipo muy grande".

6022 (Pap. 3733)
Papaya seed from above source. Variedad "Mantanzera".

5 R 47
6023 (Pap. 3734)
Papaya seed from above source. Variedad "Estacion mig Cuena".

6024 12/29/37
Papaya seed - sent to Mr. Holsteni & Veiluten, Maui & transferred to the ~~Station~~ through Dr. Krauss. From Mr. Bendall of Transvaal, S. Afr.

6025 12/29/37
Two packages of "Ceres" papaya seeds from Senor George C. Anastasiou, Casilla 396, La Serena, Chile.

6026 12/29/37
50 seeds of papaya from B.P.I., originally from Huatusco, Mexico. "Large fruit; very sweet" P.I. No. 125, 126

6027 12/29/37
Seeds of ASIMINA TRILOBA, the pawpaw, from H. Walton Clark, Calif. Acad. of Sci., Golden Gate Park, San Francisco, Calif.

6028 12/29/37
Seeds of carica papaya from L. N. H. Carter, Government Botanist, Dept. of Scienc and Agri., Jamaica
No. 1 - Large oblong fruit; excellent flavor

6029
From above source - papaya seed
No 2 - Medium round fruit; excellent flavor.

6030 Papaya seed from above source No. 3.- Small round fruit, good flavor - variety Java

6031 Papaya seed from above source No. 4- Medium size, pentagonal fruit, good flavor

6032 Papaya seed from above source No. 5.- Large oval fruit, good flavor

6033 Papaya seed from above source No. 6.- Medium size oval fruit, good flavor

6034 12/29/37 Papaya seed from above source No. 7 - Small round fruit, good flavor

6035 Litchi scions - var. Lok Yom Po
2-24-38 Sent from Hongkong by Mr. D. T. Fleming by P.A.A. Clipper. In fair condition
Varieties listed below are from same source

6036 - Wai chi (Condition fair)
6037 Hak yip
6038 Yuk Ho Paw (early)
6039 No mai Tze
6040 Kwa Lok

Date 2-25-38
Grafted — Nursery Row — Pensacola Station
Kailua, Oahu.

6041 Rcd 3/21/38 100 Nuts Smooth Queen from W.K. Petrie, Queensland, Australia.

6042 Rcd 3/21/38 100 Nuts Eggshell
Source same as above.

5985 Received 4/24/37

6043 Seeds of Edible nut, Telfairea pedata. Sent by D.D. Walter Carter while in Amani. See details of this nut in letter attached to memo to Prof Hume dated Mar. 17, 38. from Dr. Carter.

6044 Received Apr. 22, 1938. 4 Budsticks of 578 (1345) Sung Ka Heung from Dr. Groff

6045 5 Budsticks of 321 (12927) Hak Yip.

6046 6 Budsticks of 330 (13330) Kwaluk

6047 3 Budsticks of 314 (1294) Yuk Ho Pau.

6048 5 Budsticks of Tim Ngam 301 (1310)

6049 6 Budsticks from Dr. Groff 298 (1315) No mai tsz.

6050 4 Budsticks 304 (12613) Ah Neung Hai.

6051 5 Budsticks 300 (1311) Kwai Mi

6052 Received 4/22/38 17 Mangosteen seeds — very poor condition — all black & mouldy. Received from Mr. Fleming who wrote from Saigon

6053 12 Seeds of "Thank Tra". Jungle fruit that tastes like an apricot; has a seed with fiber like mango & is about 1½" long; grows on a big tree in comparatively dry country & believes has good promise. No fruit name, only the Annamite name, as given above. from Mr. Fleming — Bouca Burmanica

6054 6 Mango seeds from M. Fleming.

6055 3 Mango seeds " " "

6056 Seeds of a flowering tree "Lilac"

6057 Castor bean seeds (Ricinus)

6058 Pigeon pea (Cajanus seed)

6059 Oil tree (Yao) seeds.

~~6060 Pigeon pea seeds~~

6060 - Papaya seed - Hermaphrodite #4 from Economic Garden, Dept. Agri & Commerce, Bureau of Plant Industry, Los Banos, Laguna, P.I entered 5-10-38

6061 - Papaya seed - Strain C6 from above source 5-10-38