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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.

United States Department of Agriculture,
Bureau of Plant Industry.

Crop Physiology and Breeding
Investigations.

Manila, P.I. August 19, 1920-



Dr. Walter T. Swingle,
Washington, D.C.

Dear Mr. Swingle:

Mrs. Greff and I arrived here about 10 days ago expecting to sail on the "Great Northern" about the middle of the month. But transport schedules have been upset and we will now not get off before early September, we think on the "Madawaska."

I am sorry we have been delayed, especially because of the plants which I am bringing.

I am spending most of my time out at Los Banos. I sent over to Los Banos when Mr. Reinking came over the latter part of last month a large collection of our Kwangtung citrus as per enclosed copy. These can now be budded in on healthy stock and sent on to the United States.

I am also leaving a few plants with the Bureau of Agriculture here. Please note the attached letter from Director Hernandez.

The Empress of Russia came in yesterday with Mr. Levine and Mr. Buzwell aboard. I have been busy with them during their stay in port.

Kindly address me in San Francisco c/o Mr. Rixford.

Sincerely,

Frederick Greff

Enclosures:

List of a few photos taken by G.W.G.- Nos. 31984-31991

C.P.B. Nos. 15071-15111- Collection of Citrus and miscellaneous plants left at Los Banos in care of Mr. Reinking.

Letter from Director Hernandez of Bureau of Agriculture.

Ms. Sample.

Photos by G.W. Greff- Office of Crop Physiology-

Res.

- 31984- Canton, China, June, 1920.
Ma Tai San Pi (馬蹄酸皮) from Lek Kan (泥濘村).
- 31985- Canton, China, June, 1920
Ngan San Pi (銀酸皮) from Lek Kan (泥濘).
Probably the same variety as Pak Ma Ngan Pi ().
- 31986- Canton, China, June, 1920
Cheung Kai San San Pi (長雞心酸皮) from Lek Kan (泥濘).
- 31987- Canton, China, June 1920
Chu Hui San Pi (朱血酸皮) from Lek Kan (泥濘).
- 31988- Canton, China, June 1920.
Un Tau Tin Pi (圓頭甜皮) from Lek Kan (泥濘).
- 31989- Canton, China, June 1920.
Wong Mo Kai San San Pi (黃毛雞心酸皮) from Lek Kan (泥濘).
- 31990- Canton, China, June 1920,
Wong Mo San Pi (黃毛酸皮) from Lek Kan (泥濘).
- 31991- Canton, China, June 1920.
Pak Ma Kai San Tin Pi (白毛雞心甜皮) from Lek Kan (泥濘).
- ~~31992-~~

Citrus Collection from Kwangtung, China.

Sent with Mr. O.A. Reinckling, July 29, 1920.

C.P.B. No.	G.W.G. Obs. No.	
15072	15.3	Wang Ya ^{Pineapple} - Uen Shan Wang Ya from Tong Co Shan 1 seedling in Box E
15073	15.4	Pin Shan Keng Ya from Tong Co Shan 2 seedlings in Box E
15075	15.7	Keng Ya from Lok Kai 5 layered plants (Boxes A and B)
15074	16.6	Kan Suk Kai from Lok Kai 5 layered plants (Boxes A and B)
15075	18.4	Sha Tin Kai from Kwangsi 1 seedling (Box E)
15076	18.5	Sha Tin Kai from Wuchow 2 seedlings in Box E
15077	20.3	In Chi Kouk from Swat 2 seedlings in Box E
15078	21.2	Seng Ma Kai from San Shan 1 seedling in Box E
15079	21.3	Seng Ma Kai from Lip Tak 1 seedling in Box E
15080	21.4	Seng Ma Kai from Swat 1 seedling in Box E
15081	25.2	Kan Lan Kai from Lip Tak 3 seedlings in Box E.
1/3/15082	25.10	Kan Lan Kai from Lok Kai 5 layered plants in Boxes A and B
15083	28.	Tai Kai from San Shan 2 seedlings in Box E
15084	29	Weng Kai from Lip Tak 2 seedlings in Box E.
15085	30	Pang Kai from Leu Kai Chang 2 seedlings in Box E
15086	31	Ts'in Leu (Bangkok) Kai 2 seedlings in Box E.

C.P.B. No.	G.W.S. Obs. No.	Produce <u>Sample</u>
15087	76.	Nia Yai from Sswai 2 seedlings in Box E
15088	77.2	<u>Limon or Lemons</u> Pak Ning Hung from Pak Shai 3 seedlings in Box A
15089	78.2	Hung Ning Hung from Pak Shai 6 seedlings in Box G.
15090	78.7	Hung Ning Hung from Te Kwa 2 layered plants in Box D
15091	127.6	<u>Oranges</u> T'in Chang from Lo Keng Tung 5 layered plants in Boxes C and D
15092	127.7	T'in Chang from Te Kwa 2 layered plants in Box D
15093	141.1	Loa Chang from Sswai 2 seedlings in Box F
15094	141.14	Loa Chang from Pak Shai 5 layered plants in Box B
15095 141.15	142.5	Hung Chang from Sswai 2 seedlings in Box F
15096	142.7	Sun Chang from Lo Keng Tung 5 layered plants in Box C
15097	161	<u>Mandarin Oranges</u> Chia Kwa from Chia On 2 seedlings in Box F
15098	162	Hat Tung Kwa from Chia On 2 seedlings in Box G
15099	184	T'in Kwa from Sswai 2 seedling in Box F
15100	185	Sun Kwa from Sswai 2 seedlings in Box F
15101	232.2	<u>"Kat"</u> Kat from Lip Tak 2 seedlings in Box D
15102	232.3	Kat from Lo Keng Tung 1 seedling in Box F.
15103	233.	Sun Kat from Chia On 5 seedlings in Boxes F and G.
15104	234	Hung Kat from Chia On 2 seedlings in Box F
15105	235	T'in Chao Sha Kat from Sswai 1 seedling in Box F

C.P.B. No.

G.W.C. Obs.

15106

No.
256.

Sun Ota Sha Kat from Szwal
2 seedlings in Box F.

15107

257

Tin Hang Kat from Szwal
1 seedling in Box F

~~15108/~~

~~258/~~

~~X/166/1116/11/10/1/1/~~

Miscellaneous Collection ~~1914~~ of Plants

Sent with Mr. O.A. Reinking to Los Baños, P.I.

July 29, 1920.

~~15108/15109~~

C.P.B. No.	G.W.G. Siam Trip No.	
15108	6	Nephelium lappaceum - Rambutan from Bangkok & seedlings
15109	13	Palm like plant with edible fruit from Siam & seedlings
15110	15	2 durian seedlings from Siam.
15111	G.W.G. Obs No. 410.6	1 layered Kwei Mei lychee from Peak Shen.

United States Department of Agriculture,
Bureau of Plant Industry.

Crop Physiology and Breeding
Investigations.

San Francisco, Cal. Oct. 4, 1920.

Dr. Walter T. Swingle,
Office of Crop Physiology,
Washington, D.C.

Dear Dr. Swingle:



Before leaving Manila I turned over to the Bureau of
Agriculture a collection of plants covering my C.P.B. Nos. 15112
to 15121.

As a matter of record I am sending you these enclosures.

Sincerely,

Frederick G. Hoff
Field Assistant.

Digitized by Hunt Institute for Botanical Documentation

Enclosures:

Copy of letter to Mr. S.G. Galang

Copy of Descriptive list covering C.P.P. Nos. 15112-15121

Manila, P.I. Sept. 3, 1920-

Mr. S.G. Gelang, Horticulturist,
Bureau of Agriculture,
Manila, P.I.

Dear Mr. Gelang:

Attached herewith please find a list of the plants left for you at the Singalong Experiment Station to-day. These plants do not carry my C.P.B. Nos but are labeled as indicated under Tag No.

I trust you will be able to get the seedlings of *Litchi Philippinensis* started so that I can make up a Wardian case of these when I come through Manila again and can send a case to Washington. I suppose you will see that

some specimens are represented in your collection of Sapindaceae at Lanna. I am sure Mr. Higgins at Los Banos would also be glad for some of these trees.

The publications to which I referred to-day are:

Bulletin No. 26- Vegetable Culture in Malaya by Spring and Milam
" " 28- Fruit Culture in Malaya by Milam

published by Department of Agriculture Kuala Lumpur, Federated Malay States.

Thanking you again for your help during my stay in the Philippines,

Very sincerely yours,

Field Assistant.

Collection of Plants turned over to
 Phillipine Bureau of Agriculture,
 Manila, September 3, 1920.

<u>C.P.B. No.</u>	<u>Tag No.</u>	<u>Description</u>
15112	2	1 plant Citrus sp. from Saigon, Indo- China. Listed as Citrus acida in Saigon Botanical Gardens.
15113	6	1 plant Citrus sp. from Saigon, Indo-China. Listed as Citrus moi in Saigon Botanical Gardens.
15114	No tag	An edible palm or relative from Siam. Very highly prized there as an edible fruit. Does well under very moist conditions of soil. 1 cutting of shoot sprouting 2 cuttings not yet sprouting.
15115 15115	13	4 seedlings of above. Cuttings are said to be better than seedlings.
15116	6	4 plants of Nephelium sp. from Saigon, Indo-China. An edible species not rambutan or pulasan. Known locally as the Anna lychee.
15117	13	3 Durian seedlings from Bangkok, Siam. A very highly prized variety.
15118	433	Lychee seedlings from China. Good for upland culture.
15119	2	1 Mango (Okron Variety) from Siam. One of the best Siamese varieties.
15120	10	1 Citrus relative possibly Atlantia or Severinia sp. From Indo- China. A very interesting large tree useful possibly as canker resistant stock.
15121	No tag	2 sprouts of Chinese wild rice. Cultivated for its edible shoots eaten as asparagus is eaten. Important food crop in South China. New shoots readily take hold in wet soil conditions.

Signed,

Field Assistant, Office Crop Physiology,
 United States Department of Agriculture
 Washington, D.C.

representing Siam and China material.

Digitized by Hunt Institute for Botanical Documentation

Record of plants shipped by G.W. Groff from San Francisco Oct. 5, 1920.

Case	Tag No.	G.P.B. No. to be given upon repotting	
L	1	15135	Spondias (Mangrove) from Dr. Yai of Bangkok for Mr. Fairchild.
W	2	15136	1 box Okrong Mango from Dr. Yai of Bangkok for Mr. Fairchild.
	9	15137	3 boxes Nephelium sp. from Cochinchina. For detailed description see Photos Nos. 31690, 31691, 31692, 31693 and 31694.
O	15	15138	4 boxes edible palm from Siam. For details see Photo Nos. 31911 and 31912. Note also that in one of the boxes there are two cuttings wrapped in coconut fiber which have sprouted and which should be given this same number.
	14	15139	Rambutan seedlings from Siam.
	10 Aluminum label	15140	Canker resistant Rutaceae sp. for Mr. Swingle. For record of which see Photo Nos. 31736, 7, 8, 9, 40, 41 and 31742 and 31743.
P	14	15139	Rambutan seedlings from Siam
	13	15141	Durian seedlings from Siam. Preserve any local labels.
	2	15136	Okrong Mango for Mr. Fairchild from Dr. Yai.
	455.1	15126	Mountain lychee for stock.
Q	455.1	15126	Mountain lychee for stock.
R	Wardian case of citrus material representing Siam collections for Mr. Swingle from Mr. O.A. Reinking, Los Banos, P.I. Records within case or sent to Mr. Swingle.		

Notes:

If any labels have been detached or confusion exists regarding identification hold separately until my arrival in Washington.

Groff GW

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

FOREIGN SEED AND PLANT INTRODUCTION

October 11, 1920.

Mr. E. May,
c/o W. T. Swingle,
Bureau of Plant Industry.

Dear Mr. May:

I am returning herewith the list of plants shipped to Washington from San Francisco, which you left with me. We have made a copy of this list for use in checking up the material when it arrives. I am very much obliged to you for the use of this list.

Very truly yours,

M. E. May
Plant Pathologist.

Salloway

Enc.

Record of plants shipped by G.W.Greiff from San Francisco Oct. 5, 1930.

Case	Tag No.	O.P.B. No. to be given upon repotting	
L	1	15135	Spondias (Maprang) Saing from Dr. Yai of Bangkok for Mr. Fairchild.
W	2	15136	1 box Okrong Mango from Dr. Yai of Bangkok for Mr. Fairchild.
	2	15137	3 boxes Nephelium sp. from Cochinchina. For detailed description see Photos Nos. 31690, 31691, 31692, 31693 and 31694.
O	15	15138	4 boxes edible palm from Siam. For details see Photo Nos. 31911 and 31912. Note also that in one of the boxes there are two cuttings wrapped in coconut fiber which have sprouted and which should be given this same number.
	14	15139	Rambutan seedlings from Siam.
	10 Aluminum label	15140	Center resistant Rutaceae sp. for Mr. Swingle. For record of which see Photo Nos. 31736, 7, 8, 9, 40, 41 and 31742 and 31743.
P	14	15139	Rambutan seedlings from Siam
	13	15141	Durian seedlings from Siam. Preserve any local labels.
	2	15136	Okrong Mango for Mr. Fairchild from Dr. Yai.
	455.1	15126	Mountain lychee for stock.
Q	455.1	15126	Mountain lychee for stock.
R	Wardian case of citrus material representing Siam collections for Mr. Swingle from Mr. O.A. Reinking, Los Banos, P.I. Records within case or sent to Mr. Swingle.		

Notes:

If any labels have been detached or confusion exists regarding identification hold separately until my arrival in Washington.

Copy.

September 11, 1922.

Prof. G. W. Groff,
Canton Christian College,
Canton, China.

Dear Mr. Groff,

I enclose herewith a preliminary list of identifications of the ferns, gymnosperms, and monocotyledons of the Hainan and Kwangtung collection recently received from you. I am sending this list now because of the fact that I expect to leave Manila tomorrow to be absent for approximately three weeks on a trip to Mindanao and Sulu with the Governor-General.

Additional identifications will be supplied later for some of the numbers; in some cases additional identifications are impossible on account of the scanty or imperfect material. Of the orchids I have identified only those that are familiar to me; all of the mounted sheets have been sent to Mr. Oakes Ares with the request that he make a list of identifications and supply me with a copy which will be transmitted to you.

In addition to the recently collected material, I have included the few numbers from McClure's earlier Hainan collections where there has been a change in identifications or an addition to the identifications.

The package of labels which you forwarded for the set of Hainan plants was received this morning. Many thanks.

Very truly yours,

Sdg. Elmer D. Merrill,
Director, Bureau of Science.

EDM.
Enc.

PRELIMINARY REPORT
FERNS, GYMNOSPERMS AND MONOCOTYLEDONS
HAINAN AND KWANGTUNG.

Herb.

- | <u>No.</u> | | |
|------------|--|--|
| 9024 | <i>Lilium longiflorum</i> Thunb. var. (Lil.) | |
| 9334 | <i>Peliosanthes stenophylla</i> Merr. (Lil.) | |
| 9276 | <i>Smilax glabra</i> Roxb. (Lil.) | |
| 9559 | <i>Smilax opaca</i> (C. DC.) Norton (Lil.) | |
| 9510 | <i>Zingiber</i> (too poor = Moninger (12) (Zing.) | |
| 9497 | <i>Musa paradisiaca</i> Linn. subsp. <i>seminifera</i> (Lour.) Baker (Musa.) | |
| 9402 | <i>Plagiostachys</i> (Zing.) | |
| 9495 | <i>Alpinia</i> cf. <i>chinensis</i> Rosc. (Zing.) | |
| 9556 | <i>Alpinia chinensis</i> Rosc. (Zing.) | |
| 9096 | <i>Alpinia</i> an <i>speciosa</i> K. Sch.? (Zing.) | |
| 9017 | <i>Gladiolus</i> sp. (a garden hybrid) (Irid.) | |
| 9074 | <i>Canna indica</i> L. var. (Cann.) | |
| 9155 | <i>Curcuma zedoaria</i> Rosc. (Zing.) | |
| 9075 | <i>Hippeastrum miniatum</i> Herb.? (Amaryl.) | |
| 9210 | <i>Curculigo capitulata</i> (Lour.) O. Ktze. (Amaryl.) | |
| 9343 | <i>Curculigo capitulata</i> (Lour.) O. Ktze. (Amaryl.) | |
| 9392 | <i>Chionographis japonica</i> (Willd.) Max. (Lil.) --- (genus new to China) | |
| 9793 | <i>Calamus tetractylus</i> Hance (Palm.) | |
| 9807 | <i>Pandanus tectorius</i> Sol. (Pand.) | |
| 9236 | <i>Scleria</i> (Cyp.) --- (possibly a new one to be studied) | |
| 9359 | <i>Pollia aclisia</i> Hassk. (Commel.) | |
| 9719 | <i>Commelina obliqua</i> Ham (Commel.) | |
| 9723 | <i>Marchantia</i> (Hep.) | |
| 9389 | A form of <i>Gladonia rangiferina</i> (L. Web. (Lich.) | |
| 9284 | <i>Floscopa scandens</i> Lour. (Commel.) | |
| 9274 | <i>Thrixspermum</i> (Orch.) | |
| 9484 | <i>Oberonia</i> (Orch.) | |
| 9766 | <i>Dendrobium</i> (Orch.) | |
| 9190 | <i>Dendrobium</i> (Orch.) | |
| 9425 | <i>Dendrobium</i> (Orch.) | |
| 9722 | <i>Dendrobium</i> (Orch.) | |
| 9192 | <i>Imisia</i> (Orch.) | |
| 9690 | <i>Malaxis</i> (Orch.) | |
| 9603 | <i>Goodyera procera</i> Hk. f. (Orch.) | |
| 9144 | <i>Goodyera procera</i> Hk. f. (Orch.) | |
| 9452 | <i>Ceratostylis</i> (Orch.) | |
| 9727 | <i>Calanthe veratrifolia</i> R. Br. (Orch.) | |
| 9519 | <i>Apostasia wallichii</i> R. Br. (Orch.) | |
| 9244 | <i>Vanda</i> (Orch.) | |
| 9409 | <i>Eria</i> (Orch.) | |
| 9191 | <i>Eria</i> (Orch.) | |
| 9015 | <i>Spiranthes aristoteleia</i> (Raeusch) Merr. (Orch.) | |
| 9237 | <i>Arundina chinensis</i> Bl. (Orch.) | |
| 9705 | <i>Thelasis</i> (Orch.) | |
| 9246 | <i>Sarcanthus</i> (Orch.) | |
| 9706 | <i>Sarcanthus</i> (Orch.) | |
| 9123 | <i>Eulophia</i> ? (Orch.) | |
| 9269 | <i>Pachystoma pubescens</i> Bl. (Orch.) | |
| 9179 | <i>Pachystoma pubescens</i> Bl. (Orch.) | |
| 9324 | <i>Polyporus perversus</i> Lloyd | |

- 9676 *Carex scleriaeformis* Merr. n. sp. (Cyp.) = C.C.C. 2810 Kwangtung
9318 *Carex hainanensis* Merr. n. sp. = 8627, 85621 (Cyp.)
9361 *Cephalotaxus drupacea* S. & Z. var. *sinensis* Rehd. & Wils (Tax.)
9805 *Pinus merkusii* De Vriese (Pin.) --- (new to China)
9393 *Pinus morrissonicola* Hay. (Pin.)
9079 *Juniperus* (Pin.)
9078 *Juniperus formosana* Hay.? (Pin.)
9084 *Juniperus chinensis* L. (Pin.)
9085 *Cryptomeria japonica* Don (Pin.)
9139 *Gnetum indicum* (Lour.) Merr. (Gnet.)
9218 *Fimbristylis aestivalis* Vahl (Cyp.)
9404 *Mapania longa* Ridl. (Cyp.)
9773 *Hypolytrum latifolium* L. C. Rich. (Cyp.)
9238 *Hypolytrum latifolium* L. C. Rich. (Cyp.)
9149 *Rhynchospora corymbosa* (L.) Britt. (Cyp.)
9785 *Bambusa stenostachya* Hack (Gram.)
9779 *Bambusa oldhami* Munro (Gram.)
9464 *Schizostachyum hainanense* Merr. (Gram.)
9648 *Andropogon aciculatus* Retz (Gram.)
9136 *Andropogon halepensis* Brot. var. *propinqua* Merr. (Gram.)
9212 *Themeda gigantea* Hack (Gram.)
9765 *Oryza sativa* L. (Gram.)
9768 *Eleusine corocana* Gaertn. (Gram.)
9608 *Coix lachryma-jobi* L. (Gram.)
9170 *Imperata cylindrica* (L.) Cyr. (Gram.)
9181 *Pogonatherum panicum* (Lam.) Hack. (Gram.)
9806 *Pandanus macLurei* Merr. n. sp. (Pand.)
9784 *Pandanus macLurei* Merr. n. sp. (pand.)
9494 *Dioscorea* (Diosc.)
9106 *Disporum cantoniense* (Lour.) Merr. (Lil.)
9505 *Disporum hainanense* Merr. (Lil.)
9142 *Dianella ensifolia* (L.) DC. (Lil.)
9797 *Asparagus cochinchinensis* (Lour.) Merr. (Lil.)
9254 *Asparagus cochinchinensis* (Lour.) Merr. (Lil.)
9808 *Areca catechu* L. (Palm.)
9585 *Licuala* (Palm.)
9230 *Licuala hainanensis* Merr. (Palm.)
9315 *Pinanga baviensis* Becc. (Palm.)
9231 *Pinanga baviensis* Becc. (Palm.)
9150 *Pinanga baviensis* Becc. (Palm.)
9761 *Arenga pinnata* (Wurm.) Merr. (A. saccharifera Lab.) Palm.†
9374 *Anomum* (flowers imperfect) (Zing.)
9602 *Phrynium oliganthum* Merr. n. sp. (Marant.)
9540 *Phrynium oliganthum* Merr. n. sp. (Marant.)
9543 *Pothos repens* (Lour.) Merr. (P. loureirii H. & A.) (Arac.)
9137 *Acorus gramineus* Ait. (Arac.)
9428 *Pothos seemanii* Schott (Arac.)
9081 *Phoenix* (Palm.)
9362 *Calamus thysanolepis* Hance ? = 8674 (Palm.)
9433 *Calamus thysanolepis* Hance ? = 8674 (Palm.)
9507 *Amorphophallus* (Campan.)

- 9348 *Alocasia* ? (Arac.)
 9478 *Pothos seemanii* Schott (Arac.)
 9493 *Alpinia* (Zing.)
 9133 *Smilax* (Lil.)
 9157 *Smilax* (Lil.)
 9827 *Eriocaulon wallichianum* Mart. (Erioc.)
 9655 *Raphidophora hongkongensis* Schott (Arac.)
 9422 *Arisaema* - 9345 (Arac.)
 9345 *Arisaema* (Arac.)
 9213 *Paris hainanensis* Merr. n. sp. (Lil.)
 9347 *Paris hainanensis* Merr. n. sp. (Lil.)
 9798 *Dioscorea hispida* Dennst. (D. daemona Roxb.) (Diosc.)
 9224 *Juncus prismatocarpus* R. Br. (Junc.)
 9311 *Cyathea hainanensis* Merr. n. sp.
 9509 *Cyathea hainanensis* Merr. n. sp.
 9462 *Tectaria cicutaria* (L.) Copel.
 9423 *Polypodium heterocarpum* Bl. (P. zollingerianum Kze)
 9377 *Polypodium congenerum* (Blume) Presl
 9504 *Polypodium oligolepidium* Bak. (P. kawakamii Hay., P. arisanense Rosenst.)
 9342 *Polypodium hemionitideum* Wall.
 9669 *Polypodium scolopendrium* Burm. f. (P. phymatodes L.)
 9463 *Humata repens* (L.f.) Diels
 9745 *Lygodium japonicum* (Thunb.) Sw.
 9436 *Leptochilus cuspidatus* (Presl) C. Chr.
 9346 *Leptochilus cuspidatus* (Presl) C. Chr.
 9570 *Leptochilus cuspidatus* (Presl) C. Chr.
 9501 *Psilotum triquetrum* Sw.
 9470 *Archangiopteris*
 9473 *Lycopodium phlegmaria* L.
 9720 *Pteris ensiformis* Burm. f.
 9667 *Polypodium ellipticum* Thunb.
 9376 *Polypodium ellipticum* Thunb.
 9327 *Trichomanes auriculatum* Blume
 9427 *Trichomanes auriculatum* Blume
 9482 *Lindsaya decomposita* Willd.
 9751 *Adiantum diaphanum* Bl.
 9386 *Vittaria elongata* Sw.
 9726 *Antrophyum reticulatum* Kaulf.
 9441 *Cyclophorus lingua* (Thunb.) Desv.
 9725 *Cyclophorus linearifolius* Hook.
 9644 *Cyclophorus adnascens* Desv.
 9385 *Plagiogyria adnata* (Bl.) Bedd.
 9717 *Davallia divaricata* Blume
 9680 *Polystichum carnifolium* C. Chr.
 9469 *Drynaria simplex* (Hook.) C. Chr.
 9328 *Dryopteris simplex* (Hook.) C. Chr.
 9746 *Dryopteris parasitica* (L.) O. Ktze.
 9476 *Dryopteris eatonii* (Bak.) O. Ktze.
 9523 *Dryopteris*
 9330 *Polystichum*
 9664 *Drynaria* - 8654
 9293 *Hypolepis punctata* (Thunb.) Mett.
 9609 *Dryopteris ochthodes* (Kze.) C. Chr.
 9713 *Asplenium wrightii* Eaton
 9397 *Asplenium tenuissimum* Hayata
 9357 *Asplenium laserpitiifolium* Lam.

- 9372 *Asplenium laserpitiifolium* Lam.
9499 *Asplenium laserpitiifolium* Lam.
9675 *Asplenium nidus* L.
9312 *Asplenium cheilosorum* Kunze (*A. heterocarpum* Wall)
9480 *Microlepia proxima* (Bl.) Presl
9398 *Monachosorum subdigitatum* (Bl.) Kuhn
9371 *Asplenium rahacense* Yabe - *A. unilaterale* Lam., forma
 rahacense (Yabe) Merr.
9500 *Athyrium deltoideum* (Presl) Milde
9429 *Asplenium iridiphyllum* Hay
9388 *Asplenium tenerrimum* Hayata?
9599 *Cyathea contaminans* (Wall.) Copel.
9465 *Cyathea glabra* (Bl.) Copel.
9375 *Athyrium maximum* (Don) C. Chr.
9435 *Athyrium tabacinum* Copel.

Copy

April 16, 1941,

Prof. F. Weidman Groff,
3734 N. E. The Alameda,
Portland, Oregon.

Dear Professor Groff:

I am sending you herewith a press release from the National Geographic Society regarding the lo han kuo. You may be able to get this placed in some local paper or horticultural magazine. I did not write this, although I furnished the information on which it is based. I find that the people who write these press releases have a language all their own which they have found by experience likely to interest newspaper editors.

I have just this morning received from you two packages of herbarium material of lo han kuo (male plants), all of them Taam Ying-wah's No. 69. The first one I looked at was No. 69 (Kew), having a larger male flower than any I had seen before of this number. Another specimen of the same number, 69 J, has equally good male flowers; 69 H, 69 K, 69 L and 69 S, are about as good or slightly better than the ones I studied. It is too bad this material was not available to me when I was trying to determine the true taxonomic position of this plant. The male flowers are all important in the taxonomy of practically all of the Cucurbitaceous plants which grow wild in China. Fortunately, I suspected that the male flowers grew larger than the few I saw, so I inserted in parenthesis in my detailed English description of the plant, "Petals 18 - 25 mm long and 6 - 8 mm broad (in dried state, possibly larger in fully developed fresh flowers)".

With this better material of Taam No. 69 and the two dried male flowers, No. 21174 you sent me recently, I can probably work out additional details in the structure of the Andracin.

Of course this material you have just sent me will be handled most carefully and held subject to your orders.

Yours very sincerely,

Walter T. Swingle
Collaborator.

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