



Hunt Institute for Botanical Documentation  
5th Floor, Hunt Library  
Carnegie Mellon University  
4909 Frew Street  
Pittsburgh, PA 15213-3890  
Telephone: 412-268-2434  
Email: [huntinst@andrew.cmu.edu](mailto:huntinst@andrew.cmu.edu)  
Web site: [www.huntbotanical.org](http://www.huntbotanical.org)

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

#### *Usage guidelines*

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

#### *Statement on harmful and offensive content*

The Hunt Institute Archives contains hundreds of thousands of pages of historical content, writing and images, created by thousands of individuals connected to the botanical sciences. Due to the wide range of time and social context in which these materials were created, some of the collections contain material that reflect outdated, biased, offensive and possibly violent views, opinions and actions. The Hunt Institute for Botanical Documentation does not endorse the views expressed in these materials, which are inconsistent with our dedication to creating an inclusive, accessible and anti-discriminatory research environment. Archival records are historical documents, and the Hunt Institute keeps such records unaltered to maintain their integrity and to foster accountability for the actions and views of the collections' creators.

Many of the historical collections in the Hunt Institute Archives contain personal correspondence, notes, recollections and opinions, which may contain language, ideas or stereotypes that are offensive or harmful to others. These collections are maintained as records of the individuals involved and do not reflect the views or values of the Hunt Institute for Botanical Documentation or those of Carnegie Mellon University.

#### *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.

*Heit, C.E.*  
NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

February 17, 1959

Dr. John M. Fogg, Jr.  
Director, Morris Arboretum  
Chestnut Hill  
Philadelphia 18, Pa.

Dear Dr. Fogg:

We were tremendously pleased and enlightened with your May 1958 issue of Morris Arboretum Bulletin which specialized in a "Treatise on Soft Pines". There was an amazing amount of valuable information in this issue and we greatly appreciate its value. Would it be possible for us to receive the more detailed publication by W. S. Gabriel on Pines from which some of the data had been taken?

Also, we seem to be missing Vol. 9, No. 3 issue which we would like for a complete file. I believe I sent my subscription in about a year ago, consequently, I am enclosing \$1.00 for the 1959 dues.

Do you have past issues from preceding years which deals with Firs, Spruces, Hard pines or other evergreen groups similar to the Treatise on Soft Pines? Please send me any of these you have on hand and we will be happy to submit the cost for them.

For years I have been testing tree seeds and doing research work on germination and nursery propagation of evergreens. Two of our recent publications are enclosed for your file.

Have you any *Pinus leucodermis* (Balkan pine) in your plantings? If so, how are they doing and what kind of a pine do you think it will make for an ornamental or a Christmas tree? I have been growing it for 3 years and have a few thousand trees now - going out for ornamental and Christmas tree stock. If you have none, would you be interested in planting some at the arboretum?

This experimental nursery venture is a personal study of mine. I have tested Scotch pine from over 30 sources from all over Europe for Christmas tree growth and winter coloration. Also at present I have several exotic firs from Japan. Many of these exotic species are not on my enclosed list because of such small quantity.

Do you accept short articles of a research nature on studies of seed source findings, etc. by workers like myself?

Sincerely yours,

*C. E. Heit*  
C. E. Heit  
Seed Technologist

CEH:c1

February 20, 1959

Dr. C. E. Heit, Seed Technologist  
New York State Agricultural Experiment Station  
Cornell University  
Geneva, New York

Dear Dr. Heit:

Thank you very much for your interesting letter of February 17th. I am greatly pleased that you liked the article on the Soft Pines. You may be glad to learn that I have requested Dr. Wright to do for us a companion piece on the Hard Pines. I hope that this will appear in our May issue.

It is my understanding that Wright and Gabriel are preparing to publish jointly the data which are referred to on page 24 of our issue for May 1958. I am sure that John Wright would be happy to answer any queries as to the status of this report, if you care to write to him directly at Michigan State.

Thank you for your dollar, which we shall apply to your subscription to our Bulletin for 1959. I am sending herewith Volume 9, No. 3, which you say is missing and an enclosing, with our compliments, copies of three earlier issues containing articles on conifers which may be of interest to you.

Thanks also for the copies of your two papers which I am delighted to have.

I assume that Pinus leucodermis is the species which Rehder refers to as P. Heldreichii. Strangely enough we do not have this species here and I would be keenly interested in receiving material for testing. If you are in a position to supply us with it we would be immensely grateful. In fact, you may accept this as an order for 100 3 year-old seedlings at the price quoted in your list. An even smaller number would be acceptable.

I would certainly like to receive short articles for our Bulletin on studies dealing with any groups of woody plants. Since you know our publication you will realize that in every issue I attempt to run something of a semi-popular nature (for the benefit of our 600 Associates who receive the journal as part of their dues) as well as articles of a serious scientific nature for our professional subscribers

C  
O  
P  
Y

February 20, 1959

Dr. C. E. Heit

- 2 -

and botanical libraries in this country and abroad. Our little Bulletin goes all over the world and we receive many favorable comments on its contents.

Let me say agin how pleased I was to receive your letter and express the hope that I may hear from you soon again.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

C  
O  
P  
Y

HEIT, C. E.

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

March 9, 1959

Dr. John M. Fogg, Jr. Director  
The Morris Arboretum  
9414 Meadowbrook Ave.  
Philadelphia 18, Penna.

Dear Dr. Fogg:

? | We thank you for your letter of February 20 and the earlier issues of your bulletins which contain interesting information on various conifers. I was very interested in the spruce descriptions. I have some beautiful Koyamai spruce and Serbian spruce as 2-0 seedlings and the Koyamai spruce appeared to withstand the winter here very well. I have a few oriental spruce and tigertail spruce. Have been anxious to secure a pound or two of good germinating Picea orientalis without success. Do you have any idea where I could locate some of this seed?

I will ship you 100 of the Pinus Heldreichii leucodermis 3-0 seedlings in April for your plantings at the \$6.00 list price.

For articles, I might write a note on this pine and its possibilities as I see it - with possible photo of small lining out stock some time for a future issue of your bulletin. An article on conifer seed testing and the importance of planting high quality seed might be interesting to your readers.

? | By the way, you have my two papers on pine testing and embryo excision. Why don't you review them in your bulletin as you see fit for your readers and reprints are available for interested persons if they write here for them. We are anxious to inform horticulturists, breeders and nurserymen that these type of seeds can be tested just like corn, oats, lettuce and field crop seeds. No one needs to buy and plant dead or poor quality tree seed any longer unknowingly.

Sincerely,

C. E. Heit

C. E. Heit  
Seed Technologist

CEH:c1

Mary: What about  
this sp.?

C. E. Heit, 15 Lyceum St., Geneva, N. Y.  
Price List - Fall '58 and Spring '59

Evergreen Transplants

(Stocky, well-rooted - ready for lining in field)

|   | Age   | Size  | Per 100  | Per 1000 |
|---|-------|-------|----------|----------|
| <i>Picea excelsa</i> (Norway spruce)            | 4 yr. | 6-15" | 10.00    | 80.00    |
| " " " "   | 3 yr. | 4-10" | 7.00     | 50.00    |
| <i>Picea glauca</i> (White spruce)              | 3 yr. | 5-10" | 7.00     | 50.00    |
| " <i>pungens glauca</i> (Col. Blue Spruce)      | 4 yr. | 4-10" | 10.00    | 80.00    |
| " " " "   | 3 yr. | 3-6"  | 8.00     | 60.00    |
| <i>Picea omorika</i> (Serbian spruce)           | 3 yr. | 4-10" | 10.00    | --       |
| <i>Pinus mughus</i> (Mugho pine)                | 3 yr. | 2-4"  | 6.00     | 45.00    |
| " <i>nigra</i> (Austrian pine)                  | 2 yr. | 3-6"  | 6.00     | 45.00    |
| " <i>leucodermis</i> (Balkan pine)              | 3 yr. | 2-4"  | 10.00    | --       |
| " <i>sylvestris</i> (Scotch pine) Boonville     | 2 yr. | 3-8"  | 6.00     | 45.00    |
| " " " " Spanish                                 | 2 yr. | 3-6"  | 6.00     | 45.00    |
| " <i>cembra</i> (Swiss Stone pine)              | 6 yr. | 6-10" | 40¢ each | --       |
| <i>Abies concolor</i> (Concolor fir)            | 4 yr. | 3-8"  | 10.00    | 80.00    |
| " " " "   | 3 yr. | 3-6"  | 8.00     | 70.00    |
| <i>Thuja occidentalis</i> (American arborvitae) | 4 yr. | 8-20" | 15.00    | 120.00   |
| " " " "   | 3 yr. | 3-7"  | 8.00     | 60.00    |

Evergreen Seedlings

(Stocky, grown in low density seedbeds)

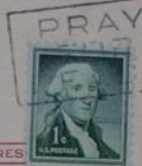
|  | Age   | Size  | Per 100 | Per 1000    |
|--|-------|-------|---------|-------------|
| <i>Picea engelmanni</i> (Engelman spruce)  | 3 yr. | 3-8"  | 6.00    | 40.00       |
| " <i>excelsa</i> (Norway spruce)           | 3 yr. | 6-12" | 6.00    | 40.00       |
| " " " "                                    | 2 yr. | 2-4"  | 3.00    | 20.00       |
| " <i>glauca</i> (White spruce)             | 2 yr. | 3-4"  | 4.00    | 25.00       |
| " <i>koyamai</i> (Koyama spruce)           | 2 yr. | 5-8"  | 6.00    | 40.00       |
| " <i>omorika</i> (Serbian spruce)          | 3 yr. | 6-12" | 7.00    | 50.00       |
| " <i>pungens glauca</i> (Col. Blue spruce) | 3 yr. | 5-8"  | 6.00    | 45.00       |
| " " " "                                    | 2 yr. | 2-3"  | 4.00    | 25.00       |
| <i>Pinus leucodermis</i> (Balkan pine)     | 3 yr. | 2-4"  | 6.00    | --          |
| " <i>nigra</i> (Austrian pine)             | 2 yr. | 3-6"  | 4.00    | 25.00       |
| " " " "                                    | 1 yr. | 2-4"  | 3.00    | 20.00       |
| " <i>strobus</i> (Eastern White pine)      | 2 yr. | 2-6"  | 4.00    | 30.00       |
| " <i>sylvestris</i> (Scotch pine)          | 2 yr. | 3-8"  | 4.00    | 25.00 & 30. |
| " " " "                                    | 1 yr. | 2-4"  | 3.00    | 20.00       |
| <i>Tsuga canadensis</i> (Eastern hemlock)  | 3 yr. | 5-12" | 6.00    | --          |
| Douglas Fir (Green strain)                 | 2 yr. | 4-12" | 5.00    | 35.00       |
| " " (Blue strain)                          | 2 yr. | 4-8"  | 5.00    | 35.00       |
| <i>Abies concolor</i> (Concolor fir)       | 2 yr. | 4-7"  | 6.00    | --          |

(400 or more of a kind per 1000 rate)

Taxus varieties - Transplants

|   | Age   | Size  | Per 100 |               |
|---|-------|-------|---------|---------------|
| <i>Taxus Hatfieldi</i>                                | 2 yr. | 4-10" | 30.00   |               |
| <i>Taxus Cuspidata nana</i>                           | 2 yr. | 4-10" | 30.00   | 25.00 per     |
| <i>Taxus Intermedia</i>                               | 2 yr. | 5-10" | 30.00   | 100 at 400 or |
| <i>Taxus Hicksi</i> (from cuttings)                   | 2 yr. | 5-10" | 30.00   | more rate.    |
| <i>Taxus capitata</i> (from seed)                     | 4 yr. | 4-10" | 30.00   |               |
| <i>Taxus</i> (several varieties) (trans. 2 - 3 times) |       | 6-14" | 45¢     | 100 each      |

All stock was grown from excellent seed source in low density seedbeds, properly fertilized to produce a well-balanced seedling of good color and vigor. Scotch pine strains were selected for excellent green color for Christmas tree production. Have several known seed sources which can be kept separate if requested. Please send cash with order. Stock will be reserved and shipped any desired time. Packing and shipping prepaid when cash is received with order. Most items are limited in supply so order early.



THIS SIDE OF CARD IS FOR ADDRESS

Dr. John M. Fogg Jr.  
The Morris Arboretum  
9414 Meadowbrook St.  
Philadelphia 18, Penna

15 Lyceum St.,  
Geneva, N.Y.  
4/7/59

Dear Dr. Fogg—

To-day I am sending parcel  
post 100 *Pinus leucodermis* 3yr  
seedlings to you as per your  
request & order. This list price  
is \$6.00 per 100. Thank you.

C.E. Feil

April 20, 1959

Dr. C. E. Heit  
Department Seed Investigations  
N.Y. Agricultural Experiment Station  
Geneva, New York

Dear Dr. Heit:

The 100 seedlings of Pinus leucodermis have arrived in good condition and I am enclosing our check for \$6.00 in payment as previously agreed.

I should be delighted to have an article on this species for a future issue of our Bulletin. Jonathan Wright has agreed to do a follow-up article on the Soft Pines for us and I hope that this will be ready for our May issue. If it is satisfactory I would prefer to postpone your paper until the September number. I usually try not to run too much material on a single genus in any one issue.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am  
enc

C  
O  
P  
Y

Heit, C. E.

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

May 22, 1959

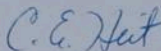
Dr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pennsylvania

Dear Dr. Fogg:

Thanks for your letter of April 20th regarding the article on Pinus leucodermis. You better not plan on anything for September either. I am awaiting more data from Greece and Yugoslavia on this species and time is not available until early winter for work of such nature in our program.

I am glad to learn Dr. Wright is adding more information on the white pine group.

Sincerely,



C. E. Heit  
Seed Technologist

CEH:mld

September 28, 1959

Dr. C. E. Heit  
New York State Agricultural Station  
Geneva, New York

Dear Dr. Heit:

You will recall that some months ago we discussed the possibility of your letting us have an article for our Bulletin. On May 22 you wrote that we had better not plan for anything for the September number. This leads me to hope that we might be able to count on something for our December issue which should go to the printer about November 20. Do let me know whether you think you could do this.

Our specimens of Pinus leucodermis are doing very well and we are most pleased with their performance.

The Wright-Santamour article on the Hard pines will be completed in our September issue and we shall then proceed to bring it out in reprint form. If you would like to receive copies please let me know how many you wish.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

Heit, CE

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

October 1, 1959

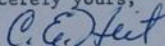
Dr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pa.

Dear Dr. Fogg:

We received your letter of September 28 regarding an article for your December issue. You better not plan on anything from me for the December issue. I have not received this material from Yugoslavia yet which I was hoping to use in the article. Please let me know when the next issue comes out and I will attempt to have something for you.

I am glad the Pinus leucodermis are doing O.K. Enclosed is my price list for Fall '59 and Spring '60. You will note I have several sizes of Pinus leucodermis and other rather uncommon spruces such as Picea omorika and P. koyamai. In case you have inquiries regarding such stock I will be happy to have you refer them to me. We also have several special strains of Scotch pine and Douglas Fir for Christmas tree production.

Sincerely yours,



C. E. Heit  
Seed Technologist

CEH:cl

Heit, C. E.

28 October 1959

Dr. C. E. Heit  
New York Agricultural Experiment Station  
Geneva, New York

Dear Dr. Heit:

It was a pleasure meeting you on the occasion of the recent visit of the A. H. C. to your laboratories. I am glad to learn that you feel it might be feasible to give us an article for the December number of our Bulletin. I should like to go to press not later than November 25 in order to have our issue in the mail before Christmas.

A few days ago we were given several large packages of seeds which had been sent in 1841 from St. Petersburg to a Mr. William Chew of this city. Mr. Chew had earlier been Secretary to the U. S. Embassy in Russia and these seeds were sent in his care to be forwarded to various individuals and institutions in this country. For some reason they were never delivered, but are now in our custody.

Ernie Schreiner has suggested that someone at your institution might be interested in attempting to germinate some of these seeds. Naturally, one is not inclined to believe that seeds which are at least 118 years old have retained their viability. Nevertheless the experiment might be worth-while if for no other reasons than the known age and origin of the material. If you or any member of the staff has the slightest interest in this project, please let me know and I shall be glad to ship a set up to you. I should judge that there are about 200 small packets of seeds in each envelope.

Sincerely yours,

Dr. John M. Fogg, Jr.

JMF/evo

*Heit*

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK  
WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

November 4, 1959

Dr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pennsylvania

Dear Dr. Fogg:

I will promise to send you something for you to use in your bulletin, which will reach you before November 25th, along the seed testing field.

Regarding the seed packages which were sent here in 1841 and are now in your possession, we hesitate to definitely commit ourselves until we know more about the kinds of seed, etc. Do you have any list of the species involved or are they properly labeled, etc. Also, do they include mostly garden seed such as flowers and vegetables or are they horticultural seeds such as shrubs or coniferous tree seed? We would think off-hand that little value could be gained by actually testing all of these seeds in the laboratory for viability. There again it would depend on the storage of these seeds since arrival here. Under sealed refrigeration, many of them might be okay, but I would suspect that they were in somebody's attic. Am I right?

For strictly herbarium purposes, they might have value for identification use. After we know more about the kinds of seeds, we might make better suggestions as to whether someone at our institution could make good use of them. It is possible that Dr. Lawrence of the Bailey Hortorium might like a set for his collection. Also, if these were originally intended for Plant Introduction use, they might be of some value for the Plant Introduction personnel here at the station who are scouting the world at present for all types of things.

We might also like to select 10-20 kinds to run germination tests on, especially those which we feel would have the most possibility of retaining any life for such a long period.

Very truly yours,

*C. E. Heit*

C. E. Heit  
Seed Technologist

CEH:ml d

*Heit, C.E.*

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

November 19, 1959

Mr. John M. Fogg, Jr.  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pennsylvania

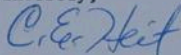
Dear Mr. Fogg:

Enclosed is the article entitled "The Testing of Tree Seed in the Laboratory and in the Nursery". I hope it is satisfactory as presented in a semi-technique vein. I attempted to cover many important points in this whole testing field with several photos of an educational nature. Actually some of this information is new and never been reported by me previously.

I have sent along a footnote regarding my present duties, past employment, and personal experiments so your readers would have a better understanding of the material in the article. We hope it may stimulate some people to secure high quality tree seed of known source and germination and stimulate others to have tree seed tested for germination. It also may stimulate people to become more interested in seed source of many conifers and attempt to try new exotic kinds in their planting and landscape plans.

Do you make reprints of such articles? I would like up to 50 copies of this article for my own distribution, if possible. Will there be any charge for such a quantity?

Sincerely,



C. E. Heit  
Seed Technologist

CEH:mld  
Enc.

November 19, 1959

Dr. C. E. Heit, Seed Technologist  
New York Agricultural Experiment Station  
Geneva, New York

Dear Dr. Heit:

Thank you very much for your letter of November 4. I shall look forward with interest to receiving your article.

We opened up one of the envelopes of seeds sent from Russia in 1841 and found that it contained 262 small packets. Nineteen of them were named; the rest show merely a number which corresponds to the number in the enclosed seed list.

For what it may be worth, I am sending along a copy of a list which one of my assistants prepared. I am sorry that the batches are not arranged in numerical sequence and that we have not had time to assemble a list in which the specific names accompany the numbers. I am sending it along anyway in the event that you might care to make a random sampling of the items available. If you decide that you want to try some of them I shall be glad either to forward those which you designate or send you the entire lot.

It is my understanding that this shipment has lain for many years in the loft of a barn.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am  
enc

November 23, 1959

Dr. C. E. Heit  
Seed Technologist  
New York State Agricultural  
Experiment Station  
Geneva, New York

Dear Dr. Heit:

Many thanks for your fine article which reached me on Saturday. Copy is now in the printer's hands and I hope we can get the Bulletin out before Christmas.

I am a little concerned about two of your pictures (Figs. 3 and 6) but we'll wait and see how they turn out. They are both rather dark and it is just possible that they will not make satisfactory cuts. If such is the case we may have to delete reference to them in the text.

We shall be happy to supply you with 100 reprints free of charge. If you desire more than this there would be merely a charge based on the actual cost as submitted by the printer.

Thanks again for your kind cooperation.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK  
CORNELL UNIVERSITY  
GENEVA, NEW YORK

WILLIAM I. MYERS, DEAN  
ARTHUR J. HEINICKE, DIRECTOR

DEPARTMENT OF SEED INVESTIGATIONS

November 25, 1959

Mr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pennsylvania

Dear Mr. Fogg:

Thank you for your letter of November 19th explaining the seed samples from Russia and the original list of species. We would be pleased if you would send us the contents of this one envelope containing 262 small packets. We will run a few germination tests on some of the hard-seeded species possibly and check over other kinds for possible future herbarium use. We were rather surprised to see the seed list in such good shape. In fact, the paper is still clean and white, and some of the members in the laboratory would not believe that it could be that old until we examined the date and saw that it was printed in December, 1840. How many of the smaller packets were in the entire shipment? It is possible that after examining this first bunch and seeing if they have any use for the various personnel at the station, we might be interested in more of the samples.

We are very grateful to you for calling this to our attention in the first place. Such things create a lot of interest and publicity, particularly among those dealing directly with seeds.

Just a few minutes ago we opened your letter of November 23rd for which we thank you, particularly in regarding the reprints. We hope that Figures 3 and 8 will be clear enough for publication, as they do point out some specific facts which are much better to be in pictures than words.

Now we have another request. A few days ago I promised to send some information to a Christmas tree grower in the midwest about various spruces. I know at one time I had past bulletins from the Morris Arboretum which described all the Picea species and also another bulletin which described all the Abies species. Neither of these can I find at present, and I recall loaning them to a Professor at the station a year or so ago. In checking with him, he can find neither of them. If you still have one or two copies of both of these bulletins available, could you please send them to me and I will make sure that they are not loaned again.

Very truly yours,



C. E. Heit  
Seed Technologist

CEH:mld

December 7, 1959

Dr. C. E. Heit  
Seed Technologist  
New York State Agricultural Exp. Sta  
Geneva, New York

Dear Dr. Heit:

This will acknowledge your letter of November 25 and inform you that I am forwarding, under separate cover, the shipment of seeds sent from Russia to Dr. William Bootl in 1841. Included in the original envelope is the letter of transmittal from Dr. J. E. L. Fischer, who was Director of the Imperial Botanic Garden at St. Petersburg.

The three other packages of seeds seem to be essentially duplicates of the one which I am sending you. They were addressed to Dr. William Darlington of West Chester, Pennsylvania, Dr. John Torrey of New York, and the Massachusetts Horticultural Society in Boston.

We shall be keenly interested in learning whether you have any success with these seeds. For years I have been telling my students that no seeds (except the Lotus) retained their viability for more than a century; perhaps I shall now be compelled to retract that generalization.

I have also placed in the package to you copies of our Bulletin containing Dr. Jonathan Wright's articles on Abies and Picea, as well as reprints of the two papers dealing with the Soft and Hard Pines.

We made out all right with the illustrations for your paper, although it was necessary to run as a double column cut the long narrow one showing comparative stages in germination.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

December 17, 1959

Dr. C. E. Heit, Seed Technologist  
New York Agricultural Exp. Station  
Cornell University  
Geneva, New York

Dear Dr. Heit:

Our December Bulletin has just been delivered here and I am sending you three copies just so that you can see how your article turned out.

A hundred reprints have been ordered for you, but they will probably not be ready until after the first of the year when the holiday rush is over.

I hope that the package of seeds reached you safely and shall be glad to know what you think of them.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

C  
O  
P  
Y

Heit, C.E.

CORNELL UNIVERSITY  
NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
GENEVA, NEW YORK

A DIVISION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE, ITHACA, NEW YORK  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK

CHARLES E. PALM, DEAN OF THE COLLEGE  
ARTHUR J. HEINICKE, DIRECTOR OF THE STATION

DEPARTMENT OF SEED INVESTIGATIONS

December 21, 1959

Address reply to:  
P.O. Box 462,  
GENEVA, N. Y.

Dr. John M. Fogg, Jr.  
The Morris Arboretum  
9414 Meadowbrook Ave.  
Philadelphia 18, Penna.

Dear Dr. Fogg:

Thanks for copies of bulletin with article. *not sent*  
Just a hurried note for a correction on those ~~sent~~ out  
to date. It was my error.

The photo Fig. 56, page 65 on Scotch pine  
seed sources should read in 4th line under caption as  
follows: "in the riga source at extreme left." At  
present it states extreme right. Thought some could be  
correct before mailing. I'm sorry. I will correct all  
the 100 reprints sent me.

Sincerely yours,

*C. E. Heit*

C. E. Heit  
Seed Technologist

CEH:cl

HEIT, DR. C. E.

December 23, 1959

Dr. C. E. Heit  
New York State  
Agricultural Exp. Station  
Geneva, New York

Dear Dr. Heit:

Yours of the 21st has just reached me. I have called the printer and have learned that the reprints have not yet been run off although he is about to do so. This means that the correction in your caption for figure 56 can be made saving you the trouble of doing the corrections in hand.

I am not sure when these reprints will be ready but hope it will be shortly after the first of the year.

With best wishes for the coming Holiday Season,

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

C  
O  
P  
Y

HEIT, C, E.

CORNELL UNIVERSITY  
NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
GENEVA, NEW YORK

A DIVISION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE, ITHACA, NEW YORK  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK

CHARLES E. PALM, DEAN OF THE COLLEGE  
ARTHUR J. HEINICKE, DIRECTOR OF THE STATION

DEPARTMENT OF SEED INVESTIGATIONS

Address reply to:  
P.O. Box 462,  
GENEVA, N. Y.

February 15, 1960

Mr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Penna.

Dear Mr. Fogg:

Thanks for your letter of February 8 and for sending the 200 reprints which arrived a couple of days ago. I have received several inquiries regarding this article to date.

Could you please send me 2-3 copies of the complete December 1959 bulletin? I desire to send the article on Black Locust to two persons, one a missionary in Africa who questioned me about securing some seed for him to plant over there. Thanks a lot.

→ Sent  
2/17/60

The article on Scotch pine seed sources would not be too technical in the vein I plan to write it but might publish it in Christmas Tree Growers' publications. Also plan to write a note on Pinus leucodermis and its possibilities - have photo of seed, cone, 1, 2, 3, 4 year trees, etc.

I am trying to collect more information about its locations in United States. Only a few arboretums have it at present.

Sincerely,

*C. E. Heit*  
C. E. Heit  
Seed Technologist

CEH:c1

HEIT, C. E. MR.

CORNELL UNIVERSITY  
NEW YORK STATE AGRICULTURAL EXPERIMENT STATION  
GENEVA, NEW YORK

A DIVISION OF THE NEW YORK STATE COLLEGE OF AGRICULTURE, ITHACA, NEW YORK  
A UNIT OF THE STATE UNIVERSITY OF NEW YORK

CHARLES E. PALM, DEAN OF THE COLLEGE  
ARTHUR J. HEINICKE, DIRECTOR OF THE STATION

DEPARTMENT OF SEED INVESTIGATIONS

Address reply to:  
P.O. Box 462,  
GENEVA, N. Y.

April 13, 1960

Mr. John M. Fogg, Jr., Director  
The Morris Arboretum  
9414 Meadowbrook Avenue  
Philadelphia 18, Pa.

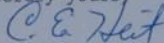
Dear Mr. Fogg:

We are writing you to inquire if you could have your printer make up 200 more reprints of our article on tree seed testing published in the December issue of your bulletin. The demand has been so heavy we are about out of reprints. Mr. Luckett, our publications director, will purchase these reprints for us. Could you please have these run off for us and quote the cost for 200 of them? Please send us the figure before proceeding with the printing so that we might get official O.K. for the total amount.

The U. S. Forest Service has asked for several copies and we will be glad to furnish them at cost once we get a supply available.

For your information we have placed 3 or 4 dozen of those seed samples in the germinator for testing but to date no sprouts have appeared. We will keep you posted on final results.

Sincerely yours,



C. E. Heit  
Seed Technologist

CEH:c1

April 28, 1960

Dr. C. E. Heit  
Seed Technologist  
Cornell University  
New York St. Agr. Exp. Station  
P.O. Box 462  
Geneva, New York

Dear Dr. Heit:

I am sorry to have been so slow in answering your letter of April 13, but it has taken some time to get all of the facts together.

It is now my sad duty to report that the metal for the issue in which your article appeared was broken up shortly after the printer ran off your 200 reprints. To reset this type, with the cuts, would cost \$123.00 for 200 copies, \$145.00 for 500 and \$175.00 for 1,000.

At this rate it might be better for you to consider having this job done by offset. We would be glad to send you the cuts if you want them.

Thanks for the report on the ancient seeds. I shall be grateful if you will keep us posted as to their progress, if any.

Sincerely yours,

John M. Fogg, Jr.,  
Director

JMF:am

1  
d  
o  
c