

No.F.84-5/48-A.I.
GOVERNMENT OF INDIA
MINISTRY OF EDUCATION

NEW DELHI 3, THE ^{2/11} MAY, 1949.

Dear Sir,

I am directed to enclose herewith ~~form~~^{or} A.G.
for applying for priority passage to the United Kingdom.
You may please fill in the form and returned it to this
Ministry at the earliest for necessary action.

Messrs Govan Brothers as well as Thomas Cook
and Sons New Delhi have approached this Ministry for
instructions regarding your passage to Holland. You
are requested to arrange your passage direct through
one of these two travel agents.

Yours faithfully

D.K. Hingorani

for Deputy Secretary.

To

Mr. M.S. Swaminathan,
Division of Botany,
Indian Agricultural Research Institute,
New Delhi.

25/5/49.

NO. Gen/UK/70/3/49.
GOVERNMENT OF INDIA,
MINISTRY OF HOME AFFAIRS,
NEW DELHI, THE 5th July, 1949.

M.S. Swaminathan Esq.,

Division of Botany, Indian Agricultural Research
Institute,

New Delhi.

Reference. Government of India, Ministry of Education, U.O..
..No. 3100/49-AI, dated the 4th June, 1949.....

You/ ~~and your wife~~ and your family have been allotted
Priority ~~XX~~ / B Serial No. JMI-182 for passages to the
United Kingdom in September, 1949.

It is, however, not guaranteed that you will get passages
in that month.

You will be offered accommodation by your Travel Agents
in due course. Any correspondence regarding name of SHIP, date
of sailing, baggage, berthing etc., should be addressed to your
TRAVEL AGENT and NOT to this Ministry.

Your Travel Agents have been informed.

S. Swaminathan
Deputy Secretary (Civil Passages).

Copy forwarded for information to the Government of India,
Ministry of Education, New Delhi, with reference to their U.O.
No. 3100/49-AI, dated the 4th June, 1949.

G/21.4.1949.

No. F.84-5/48-A.I.
Government of India.
Ministry of Education,
New Delhi, the *YMM* June, 1949.

From

P.N. Kirpal Esqr., M.A., (Oxon.), LL.B.,
Deputy Secretary to the Govt. of India.

To

✓ Mr. M.S. Swaminathan,
'Kottaram'
Gandhi Nagar, KUMBAKONAMI (South India).

Sir,

I am directed to refer to your letter dated the 22nd April, 1949, regarding grant of passage money and equipment allowance and to regret that the Government of India are unable to agree to your request.

Yours faithfully,

DK Hingray

for Deputy Secretary.

MEHTA
3.6.49.



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16^e

In your reply, please refer to :
En répondant, veuillez rappeler :

N° EXP 100110-ID:NDV

May 17th, 1949.

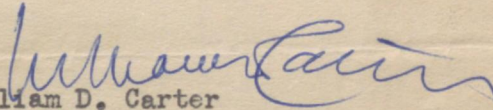
Dear Mr. Swaminathan,

Thank you for your letter of May 4th.

The Dutch Ministry of Education has informed us that you will study at the Dutch Agricultural College at Wageningen, and that your special programme will be developed by the professors of the college on the spot.

We have informed the Dutch Ministry that you will be leaving Bombay early in October. When you know the exact date of your arrival in Holland please let us know and we will ask the Ministry to find accommodation for you.

Yours sincerely,


William D. Carter
Head. Department of
Exchange of Persons.

Mr. M.S. Swaminathan,
c/o The Indian Agricultural Research Institute,
Division of Botany,
New Delhi,
INDIA.

AIR MAIL



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16.

In your reply, please refer to:

En répondant, veuillez rappeler :

N° EXP/106941 - ID:mp

30 June 1949

Dear Mr. Swaminathan,

Referring to my letter of 17 May 1949, I have pleasure in informing you that the Dutch authorities have approved of your arrival in the Netherlands in October.

Please let us know the date of your arrival in The Hague.

Sincerely yours,

William D. Carter
Head, Department of
Exchange of Persons

Mr. M. S. Swaminathan,
c/o The Indian Agricultural Research Institute,
Division of Botany,
New Delhi, India.

AIR MAIL

The Ministry of Education, Arts and
Sciences.
External Relations Section.

Prinsessegracht . 19

The Hague .

Dear Sir,

This is to inform you that I
intend arriving in Holland in
November, 1949, to take up the
UNESCO - Netherlands Fellowship. I
am glad to learn that you have
made arrangements for my study
in the Netherlands at the Wageningen
Agricultural Academy. I shall
contact you soon after my arrival
at the Hague.

yours truly,

In the meanwhile, if you have
any information to communicate to me
you can write to the following address

To, The Head,
Dept. of Exchange of Persons
UNESCO. Paris.

Ref: EXP 116409 - ID: m
120758 - ID: ml.

Dear Mr. Carter,

I thank you for your letter dated
14th September as well as for the one
dated August 18th (EXP 116409 - ID: mw)
I am also ~~thank~~ grateful for the
arrangements you have made on
my behalf.

I got a letter from Dr. H. J. C. Dorst
of the Institute for the Improvement of
Agricultural Produce, Wageningen in
which he has pointed out the
desirability of my ^{staying in} coming to Holland

during the summer months rather than during winter, in view of the fact that all the plant breeding work in Holland is done only during summer. However, I shall ~~try to stick to my~~ intend not to effect much change in my programme and I shall send you my joining report after I reach Wageningen.

I am leaving this for my native place to-morrow and will leave for Amsterdam by a K. L. M. plane to-wards the end of next month.

My address till my departure from India will be:

M. S. Swaminathan.

"Kottaram"

Gandhi Nagar

Kumbakonam, South India

Thanking you once again,

No. 658

Wageningen, 26 July 1949.

Doss. 1 b

Onderwerp: visit.

Mr. M.S.SWAMINATHAN,
B.SC., B.Sc.(Ag)., Assoc.I.A.R.I.
Division of Botany,
Indian Agricultural Research Institute,
NEW DELHI.
India.

Dear Sir,

I take pleasure to inform you that you will be welcome at our Institute for Plant Breeding.

As you will know the period of October till April or May is not the most interesting time, as most of our breeding work is done in summer. Nevertheless I hope to be able to give you the occasion to give you an insight in our problems and methods.

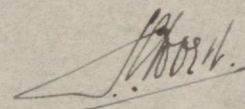
As to the material we should be much obliged if it would be possible to give us some of your potato varieties or other potato material resistant to Phytophthora or other diseases.

Also samples of the most prominent wheat varieties may be of great interest for us.

We shall be glad to help you as much as possible.

With kind regards,

truly yours,



(Prof. Dr. Ir. J. C. Dorst)
Director of the Institute for Plant
Breeding.

ay
No. D.3638-Eur.I/49

New Delhi 3, the 10 August, 1949.

From

U.S. Bajpai, Esquire,
Under Secretary to the Govt. of India,
Ministry of External Affairs.

To

M.S. Swaminathan, Esquire,
Division of Botany,
Indian Agricultural Research Institute,
New Delhi.

Sir,

I am directed to refer to your letter dated the 15th July 1949 and to state that a copy of your letter is being forwarded to the Embassy of India at The Hague, where it is expected to start functioning early in August.

The address of the Embassy will be communicated to you as soon as known.

Yours faithfully,

U. A. Bajpai

Under Secretary to the Govt. of India.

JNK.
5.8.

18.

ROYAL NETHERLANDS EMBASSY

No. XI- A1-4295.

New Delhi, 10th August 1949.

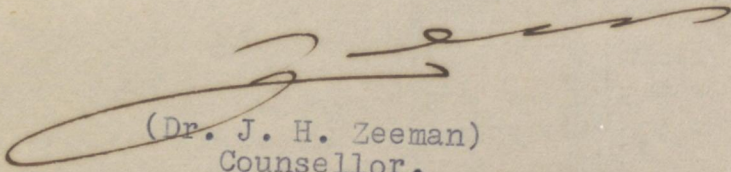
Publicity Section:

Dear Sir,

... The Ministry of Foreign Affairs,
The Hague, have sent me "Learn Dutch"
and asked me to pass it on to you.

It regrets very much that your
letter to Mr. van Houten has not been
answered at an earlier date and hopes
that the booklet will still be of use
to you.

Yours respectfully,



(Dr. J. H. Zeeman)
Counsellor.

Mr. M.S. Swaminathan,
B.Sc., B.Sc.(Ag.),
Division of Botany,
Indian Agricultural Research,
New Delhi.



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16^e

In your reply, please refer to :
En répondant, veuillez rappeler :
N^o EXP116409-ID :mfw

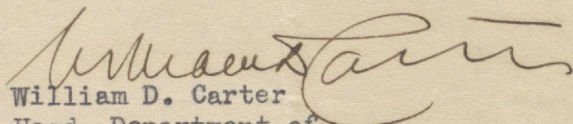
August 18th, 1949.

Dear Mr. Swaminathan,

With reference to your letter of 6th August,
indicating your date of arrival in Holland, I have pleasure in informing
you that according to your wishes we have informed the Dutch Ministry of
Public Education of this fact.

... Please find attached a letter of presentation to
Mr. Bender who is the head of the External Relations Section, Ministry of
Education, Arts and Sciences, Princessegracht 19, The Hague.

Yours sincerely,


William D. Carter
Head, Department of
Exchange of Persons.

Mr. M.S. Swaminathan,
Division of Botany,
Indian Agricultural Research Institute,
New Delhi,
India.

AUG 20 1949

AIR MAIL

ROYAL NETHERLANDS EMBASSY

No. XI-A1-4438.

New Delhi, 14th September 1949.

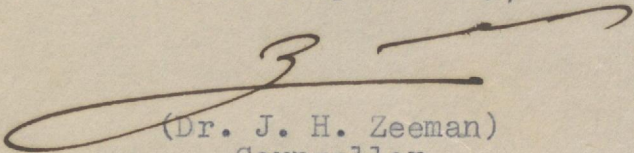
Dear Sir,

In reply to your letters of the 6th and 7th instant, I have the honour to inform you that your application-forms have been passed on to the Visa Department at The Hague.

As I see from your letter that you want to leave for Holland before long I may suggest to you, that a telegraphic reply should be requested from the Visa Service at The Hague.

For this purpose kindly deposit the fee of Rs.40/-/-.

Yours respectfully,



(Dr. J. H. Zeeman)
Counsellor.

Mr. M.S. Swaminathan,
B.Sc., B.Sc.(Ag.),
Division of Botany,
Indian Agricultural Research,
New Delhi.



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16.

In your reply, please refer to:

En répondant, veuillez rappeler :

N° EXP/120758 - ID:ml

14 September, 1949

Dear Mr. Swaminathan,

I am glad to inform you that definite arrangements for your placement in the Netherlands have been completed, and that the Wageningen Agricultural Academy has indicated its willingness to receive you. On your arrival in Holland, you should get in touch with Professor Dr. Ir.J.C. Dorst of the Institute for the Improvement of Agricultural Produce, who declared himself willing to give you any help and assistance that you may require.

The Senate in consultation with the board of examinations will consider if and to what extent exemption from the "propaedical" and the "candidate" examination can be granted. The private address of Professor Dorst is Zoomweg 16, Wageningen.

I also wish to confirm that on your arrival in the Netherlands you should contact the Ministry of Education to obtain your stipend.

Yours sincerely,

William D. Carter,
Head, Department of
Exchange of Persons.

Mr. M. S. Swaminathan,
Division of Botany,
Indian Agricultural Research Institute,
New Delhi,
India.

AIR MAIL

83

No.D.3638.EurI/49.
GOVERNMENT OF INDIA.
MINISTRY OF EXTERNAL AFFAIRS.

....
DATED NEW DELHI 3, THE 8th ^{act} SEP., 1949

From

U.S. Bajpai, Esquire,
Under Secretary to the Government of India,
Ministry of External Affairs.

To

M.S. Swaminathan, Esquire,
Division of Botany,
Indian Agricultural Research Institute,
NEW DELHI.

Sir,

In continuation of my letter No.D.3638.Eur.I/49, dated the 10th August 1949, I am directed to inform you that the address of the Embassy of India at the Hague is as follows:

Kasteel Oud - Wassenaar,
Wassenaar,
(The Netherlands).

Yours faithfully,

U.S. Bajpai

Under Secretary to the Government of India.

L.S.
26/9

✓

ROYAL NETHERLANDS EMBASSY

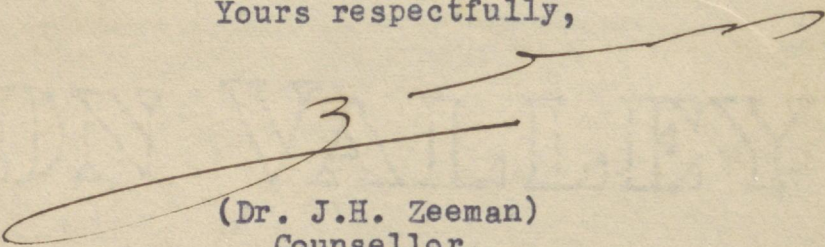
No. XI-A1.

New Delhi, 17th October 1949.

Dear Sir,

With reference to your letter of the 12th instant, I have the honour to inform you that authorization to issue a visa for Netherlands to you has been received in this Embassy. You are requested to send your passport under registered cover to enable me to do the needful.

Yours respectfully,


(Dr. J.H. Zeeman)
Counsellor.

Mr. M.S. Swaminathan,
"Kottaram",
Gandhi Nagar,
Kumbakonam. S.I.

ROYAL NETHERLANDS EMBASSY

No. XI-A1-5572.

New Delhi, 27th October 1949.

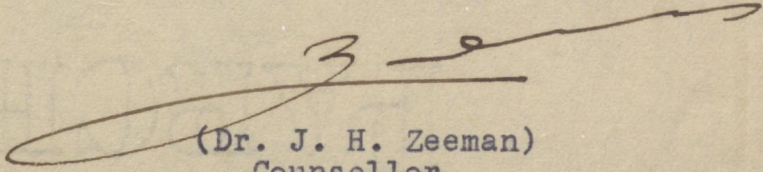
Dear Sir,

./ (1)

I have the honour to return herewith your passport No.A 028268 duly visaed for the Netherlands. You are informed that the entry into the Netherlands has to be made within two months after 25th October 1949. The visa is valid for thirty days and has to be extended at the authorities concerned in the Netherlands.

The present address of Mr. H.A.Hoogendoorn is : C/o Mrs. Vos, 23. Joan van Hoornstraat, The Hague. Mr. Hoogendoorn is working at the Ministry of External Affairs at the Hague (address: 23, Plein, The Hague) for the time being.

For the Ambassador,



(Dr. J. H. Zeeman)
Counsellor.

Mr. M.S. Swaminathan,
"Kottaram",
Gandhi Nagar,
KUMBAKONAM. S.I.

MINISTERIE
VAN ONDERWIJS, KUNSTEN EN WETENSCHAPPEN
NETHERLANDS MINISTRY OF EDUCATION, ARTS AND SCIENCES



Afdeeling
Department H.O.W.

Nummer
Number 12270

'S-GRAVENHAGE 15th October 1949

Antwoord op Uw brief van
In answer to your letter 25th of September 1949

Onderwerp:
Re: study at Wageningen

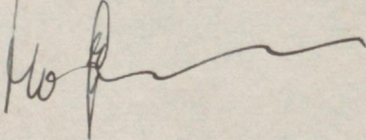
I thank you for your letter of September 25th. The board of Curators of the Agricultural Academy of Wageningen has been informed of your arrival in November and they are trying to find a suitable room for you.

In case you want to contact them the address follows here:

Curatoren der Landbouwhogeschool,
Rijksstraatweg 1a,
WAGENINGEN.
Netherlands.

The Minister of
Education, Arts and Sciences,
For the Minister,
The Head of the Department
University Education and Sciences,

To
Mr. M. S. Swaminathan
"Kottaram" M.Sc.,
Gandhi Nagar
KUMBAKONAM
South India.


(Mr. N. F. Hofstee) Deputy Head.

GELIEVE BIJ BEANTWOORDING DATUM EN NUMMER VAN DEZEN BRIEF TE VERMELDEN
PLEASE QUOTE DATE AND NUMBER OF THIS LETTER

BY AIR MAIL

No. No.F. 84-5/47-A-1.

MINISTRY OF EDUCATION

GOVERNMENT OF INDIA,

New Delhi, 3, the 21st March, 19 50.

Dear Mr. Swaminathan,

You were recommended by this Ministry for the award of the Unesco-Netherlands Fellowship-1947. After your selection for this award you did not inform us if you intended to take up the fellowship or not and whether you were making arrangements to proceed abroad. Messrs. Govan Brothers, New Delhi who were acting as your Travel Agents, informed this Ministry in their letter dated the 24th January, 1950 enclosing a copy of your letter informing them that you have decided to decline the fellowship as you had been selected for the Indian Administrative Service. We were therefore about to inform Unesco that the award of the fellowship made to you should be cancelled and some other scholar would be selected in your place. The Unesco has, however, informed us that you have reached Holland and joined your studies on 27th December, 1949. While we are glad to know that you are availing yourself of this fellowship, we should have liked to be informed by you before you left for the Netherlands as you had been recommended by this Ministry. In case we had informed the Unesco to cancel the award made to you, it would have created an awkward situation both for you as well as for the Government of India. I am writing this to you to point out this lapse on your part which might have placed you in a difficult situation. I hope you realise the position and would be careful in future.

Yours sincerely,

NS Junankar

(N. S. Junankar)

Assistant Educational Adviser
to the Govt. of India.

To

Mr. M.S. Swaminathan,
53, Lijnbaanstraat,
Wageningen, Holland.

M.S.SWAMINATHAN

Lijnbaanstraat 53,
Wageningen.
Netherlands.
3rd April, 1950.

The Ministry of Education,
Government of India,
New Delhi.

Ref.No.F.84-5/47-A-1.

Your letter dated 21st March, 1950.

Dear Sir,

I thank you for your letter referred to above.

I regret my letter to Messers Govan Brothers caused some misunderstanding. At the time I decided to proceed to Holland to take up the Fellowship, rejecting a job in the Indian Police Service offered by the Home Ministry, I was in Madras and there were hardly seven days for the sailing of Scindia's "Jai Azad", by which I wished to travel. I went to the Madras Office of Messers Govan Bros., and asked them to book my passage in that ship, showing them the previous correspondence with their Delhi office. But I was informed that their office deals only with Air passages and that I will have to arrange the booking only through the Delhi office. As there was then no time for carrying on correspondence with the Delhi office, I immediately got the booking made through Messers Thos. Cook & Son Ltd. But in my letter to Govan Bros., asking them to cancel my booking, I did not give the correct reason because, owing to the very courteous manner with which they attended to my needs previously, I had no mind to tell them that I am making my travel arrangements through Cooks. By nature, I am prone to avoid wounding others' feelings. I now learn that it is better to be rude and straightforward with selfish businessmen as otherwise they are likely to lead one into trouble. I wish to make it quite clear that I am unable to appreciate the action of Ms. Govan Bros., in having sent you a copy of my letter to them, two months after it was written, especially when the Ministry had nothing to do with the transaction. Nor

I am also unable to understand what prompted you to think in terms of asking Unesco to cancel the award of the Fellowship to me, on the basis of a letter from a third party, without any prior reference to me about the matter. Ever since Unesco began to correspond directly with me, I have shown almost all letters of any importance to either Shri P.N. Kirpal or Shri D.K. Hangorani and benefited by their advice and assistance and I shall always remain grateful to your Ministry for all the kind help rendered to me.

From the financial and material points of view, I have been only a sufferer by taking up this Fellowship. But I do not regret the personal loss to me as I have no doubt that I will be able to be of greater service to our country after undergoing the training here. I shall send you a copy of my final report to Unesco.

Finally, I wish to assure you that I am fully aware of the spirit which prompted you to write the letter under reference and you may consider the letter only as an explanation which may clarify certain points and not as a reply.

With my best regards,

Yours faithfully,

By Air Mail.



MINISTERIE VAN ONDERWIJS, KUNSTEN EN WETENSCHAPPEN

Your letter

~~Betreft de afd. van dit schrijven van~~ 30/12/1949.

NR.132.846 AFD. H.O.W.

Re

~~Betreft de~~ study in Wageningen.

Men gelieve bij het antwoord nauwkeurig het onderwerp, de dagtekening, het nr. en de afd. van dit schrijven te vermelden.

'S-GRAVENHAGE, 7th January 1950.

To
Mr.M.S. Swaminathan,
Lijnbaanstraat 53,
WAGENINGEN.

I am very glad to hear that you have found a room in Wageningen, so that you can begin your study almost immediately.

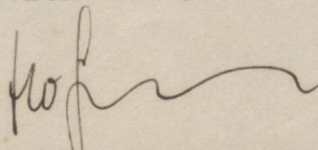
As for a program for your work and your visits of private seed farms I advise you to consult the professor under whose guidance you will study. If you should need other help for your study or your stay in our country, please do not hesitate to write to me about it.

To renew your visa, you must send a request to the Burgomaster of Wageningen together with:

- a) your passport;
- b) a copy of my decree concerning the fellowship;
- c) a letter in which is stated the duration of your stay in the Netherlands.

Here enclosed I send you the papers mentioned under b and c.

The Minister of
Education, Arts and Sciences,
For the Minister,
The Head of the Department
University Education and Sciences,



(Mr.N.F.Hofstee) Deputy Head.

Copy to :

1. The Ministry of Education, Arts and Sciences, External Relations Section, Princessegracht 19, The Hague.
2. The Ministry of Education, Government of India, New Delhi.
3. The Ministry of Agriculture, Government of India, New Delhi.
4. The Rector Magnificus of the Agricultural University, Herenstraat 18, Wageningen.
5. The Board of Curators of the Agricultural University, Rijkstraatweg 1a, Wageningen.
6. Prof. Dr. R. Prakken, Professor of Genetics, Agricultural University, Rijkstraatweg 53, Wageningen.

the practicability -----

of utilising this chemical to induce polyploidy, a series of experiments are now in progress in the following crops - Allium cepa, Lactuca sativa and Spinacea oleracea. The importance of this study is briefly stated below.

For the artificial induction of polyploidy in plants, so far the most widely and successfully used substance has been Colchicine, an alkaloid obtained from the plant Colchicum autumnale. However, a number of other chemicals, mainly benzene and naphthalene derivatives, have also been found to exhibit C-mitotic activity and Dr. A. Levan and his Co-workers in Sweden have fully studied the possibility of using them to induce polyploidy. Though Acenaphthene and all the other naphthalene substances are active in lower concentrations than Colchicine, Colchicine is distinctly superior as a polyploidizing agent due to the great practical advantages of its water solubility and the absence of poison effect within a wide concentration range. But it may not be beyond the realms of possibility that a continued study of substances with C-mitotic activity may reveal a substance which is as efficient as Colchicine and at the same time cheaper in production. From this view point, it becomes important to make a systematic investigation of the C-mitotic effect of various chemicals.

3. Prof. R. Prakken in collaboration with Prof. A. Muntzing of Sweden had made a detailed study of the cytological effects of in-breeding of Rye and found a number of abnormalities like non-congression of bivalents, overcharge and under charge of nucleic acid est_g. In some lines, one chromosome pair was found to behave in a special way at Meiosis, simulating the presence of a terminal centromere. As these observations were made in material inbred for about 15 years, it became important to examine the very first generations of in-breeding. For this purpose it is necessary to have a correct idea of the meiotic behaviour of the parent plants which are going to be inbred. Hence, I took up the cytological analysis of some Rye varieties, that will be inbred this year. This study has now been completed and later on, if there is time, the inbred material will also be studied.

Reprints of the papers published by me during the course of the present study will be sent to you.

In conclusion, I express my gratitude to Prof. Dr. Ir. J. C. Dorst, Rector-Magnificus of the Agricultural University, Prof. R. Prakken and Dr. H. J. Toxopeus for the help they have been giving to make my stay here as useful and instructive as possible. I am also indebted to Dr. A. E. H. R. Boonstra, Secretary of the Board of Curators of the Agricultural University, for his assistance in securing accommodation in this place, soon after my arrival here.

Part B. Studies in Cyto-genetical problems:

The study under this part has been and is being carried out at the Institute of Genetics, Agricultural University, Wageningen, with the aid and advice of Prof. Dr. R. Prakken, Professor of Genetics at the Agricultural University. His vast erudition and wide research experience have been a source of both inspiration and delight to me. All the work outlined below is being done in collaboration with him. I am now working on three distinct problems and the following is their summary.

1. The breeding of new strains of potato immune to the attack of Late Blight (caused by Phytophthora infestans) and the Colorado beetle (Leptinotarsa decemlineata) constitutes one of the important tasks facing the plant breeders of the Netherlands. It is well known that a group of wild species of the genus Solanum, to which the cultivated potato belongs, indigenous to Mexico possess Blight and Colorado beetle resistance. Some of these species are S. demissum (2n-72), S. polyadenium (2n-24), S. Cardiophyllum (2n-24), S. bulbocastanum (2n-24), S. commersonii (2n-36), S. chacoense (2n-24) etc. Among these, the diploid (2n-24) species cross only rarely or do not at all cross with S. tuberosum (2n-48). Even when they do cross, the hybrids are usually sterile or relatively infertile triploids and therefore of little use for further breeding. However, if the lower chromosome species is doubled first and then hybridised it is more likely that the hybrid will be fertile and that it can be crossed again with the cultivated type. That this line of work may yield promising results has already been proved by the work of American and German Geneticists. Hence I began a series of doubling experiments with a number of species and hybrids of Solanum, employing a wide range of concentration of Colchicine and also a wide variety of methods. This material will be cyto-genetically studied and my final report will give a full picture of the results obtained. This problem was suggested by Dr. H. J. Toxopeus of the Institute for Plant Breeding, Wageningen, who also kindly placed at my disposal the seeds and tubers required for the experiment.

2. While trying to evolve a new chromosome smear technique whereby it will be possible to get very well spread out and countable metaphase plates in genera having many and at the same time small chromosomes as Solanum, I found that pre-treatment with 8-oxyquinoline followed by fixation in 10% aqueous Hydrochloric acid aids in getting excellent smears of both root-tips and leaves. At the same time I observed that 8-Oxyquinoline has a distinct C-mitotic effect and that under a certain concentration of the chemical and certain duration of treatment the chromosome number tends to become doubled. Hence, in order to find out the practicability -----

M.S.SWAMINATHAN

Lijnbaanstraat 53,
Wageningen,
Netherlands.
3rd April, 1950

The Head,
Department of Exchange of Persons,
Unesco, Paris.

Dear Sir,

You would have been informed by the Ministry of Education, Arts and Sciences, The Hague, that I took up the Unesco-Netherlands Fellowship on December 27th, 1949. As it is now more than three months since I started my work here, I think it may be worth-while to give you a gist of the study, already accomplished and being pursued by me and I have pleasure to enclose a brief preliminary report. Kindly acknowledge receipt of the same.

I will also like to be informed whether Unesco is interested in the scientific data and technical details of my research work or it is enough if a resume of the study is sent, as has been done in the present report. I shall frame my final report in the light of your requirements.

With my best regards,

Yours sincerely,



(M.S. Swaminathan)

Encl: Preliminary report to Unesco.

Preliminary report of M.S.Swaminathan submitted to
the United Nations Educational, Scientific and Cultural Organisation, Paris.

The study pursued can be broadly divided into two parts.

A. A general study of the problems and methods of Dutch Agriculture and Animal Husbandry with special reference to the production of improved seed and breeding stock.

B. Specialised study in plant Genetics.

The following is the brief gist of the study accomplished and in progress.

Part A :

In order to gather as much information as possible concerning this part of my study programme, I have been visiting the various research Institutes both at Wageningen and other places, contacting private farmers and Associations and benefiting by discussion and exchange of ideas. The systems of registration of crop plants, compilation of an varieties list, inspection of field crops with a view to ensure the production of healthy and disease-free seeds and certification of the seed intended for sale and export have attracted my attention most and I am deeply impressed by the advance made by the Netherlands in these fields.

My thanks are due to the following institutions (the names of the individuals concerned are given within brackets) for giving me information regarding this part of my study.

1. The Institute for Plant Breeding, Wageningen. (Prof. Dr. Ir. J. C. Dorst and Dr. H. de Haan)
2. The Institute for Research on Varieties of Field crops, Wageningen. (Ir. J. A. Hogen Esch)
3. Netherlands General Inspection Service for agricultural seeds and seed potatoes, Wageningen. (Ir. J. Siebenga)
4. The Friesian Agricultural Society, Leeuwarden. (Drs. G. de Groot)
5. The Administration of the North-east polder Works, Kampen and Wieringerwerf (Mr. W. H. v. d. Molen and Ir. A. Ovinge)
6. Holland Plant Exporters Organisation, The Hague. (Dr. W. F. Wery)
7. The Administration of the Keukenhof National Flower Show, Lisse. (Mr. v. Aken)
8. The Netherlands Cattle Herd Book Society, The Hague.
9. The Friesian Cattle Herd Book Society, Leeuwarden.
10. Corporation for Poultry and Eggs, De Bilt.
11. Union of Harness Horse Breeders, Worth-Rheden. (Mr. R. J. Addink)
12. Horticultural Seed Marketing Board, The Hague. (Mr. J. A. van Walterop)

I am also thankful to the Economic Information Service, The Hague and the Administration of the Royal Netherlands Industries Fair, Utrecht, for the useful information and statistics supplied by them on general economic matters and especially on certain problems concerned with the construction of cold storage plants for the preservation of seed potatoes during the hot seasons.

COLLEGE VAN CURATOREN VAN DE LANDBOUWHOGESCHOOL

RIJKSSTRAATWEG 1a - WAGENINGEN - TELEFOON 2341

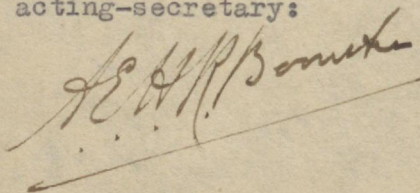
Ons kenmerk	Bericht op Uw schrijven	Dagtekening
H 5612	3rd April 1950.	13/April 1950 /14
Onderwerp : report M.S. Swaminathan to Unesco.		Bijl.: 0

M.S. Swaminathan Esq.,
Lijnbaanstraat 53,
WAGENINGEN

Dear Sir,

I acknowledge with pleasure receipt of a copy of your preliminary report, which you sent to the United Nations Educational, Scientific and Cultural Organisation.

On behalf of the Board of Curators
of the Agricultural University
The acting-secretary:



M.S.SWAMINATHAN
(of the Indian Agricultural Research
Institute, New Delhi, India.)

Lijnbaanstraat 53,
Wageningen,
Netherlands.
19th April, 1950.

Mr.A.T.Alquinto,
National Urban Planning Commission,
Office of the President,
Manila. The Philippines.

Dear Mr.Alquinto,

I acknowledge with thanks the receipt of your letter of the 12th instant, sent through the Netherlands Ministry of Education.

I congratulate you for having put forth such an excellent proposal - the type of idea that will greatly facilitate the fulfillment of the chief aim which Unesco has in mind while fostering the award of such Fellowships namely the promotion of better international understanding. At the same time the organisation of a Society on the lines suggested by you will also help in keeping fresh in our minds the period of our happy and useful association with the learned men of this country, in ~~the~~ our respective fields of ~~our~~ study.

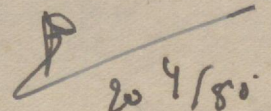
I agree that the Society can be designated as " Society of Netherlands-Unesco Fellows" and I will further suggest that you should kindly prepare a small draft constitution for the Society - one embodying its aims and objects and containing as few provisions as possible - and get it circulated to all the Fellows for their approval. I need hardly add that it will be desirable to request an Officer of the External Relations Section of the Netherlands Ministry of Education to be a permanent ex-officio Member of ~~the~~ Executive Committee of our Society. You may mention in the constitution what duties he will perform.

I propose that Prof.Dr.A.Swaryczewski of Poland may be the first President of our Society and yourself the Secretary. I join with you in the hope that we will be able to meet at some future date at some place.

You need not hesitate to write to me in case I can be of any further help.

With my best regards,

Yours sincerely,


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UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16^e

In your reply, please refer to :
En répondant, veuillez rappeler :

N° EXP 162520-ID;mmw

April 27th, 1950

Dear Mr. Swaminathan,

Thank you very much for sending me your preliminary report. I am glad to know that your studies have been satisfactory, and as far as your request, as to whether Unesco is interested in the scientific data and technical details of your research work, is concerned, I have asked the opinion of the specialist in your subject in the Department of Natural Sciences. As soon as we hear from him we will inform you.

Yours sincerely,

for William D. Carter

Head, Service of Exchange
of Persons

Mr. M.S. Swaminathan,
Lijnbaanstraat 53,
Wageningen,
Netherlands.



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

Téléphone : KLÉber 52-00 - Télégr. UNESCO PARIS
19, AVENUE KLÉBER - PARIS XVI*

In your reply, please refer to :
En répondant, veuillez rappeler :
N° EXP 162525-ID:mw

May 9th, 1950

Dear Mr. Swaminathan,

Further to my letter of April 27th, I have now heard from the Department of Natural Sciences, who have reported that you have now done some very useful work, and they think that a normal report, along the lines indicated in the attached letter, will be sufficient for Unesco.

Yours sincerely,

for W.D. Carter
Head, Service of
Exchange of Persons

Mr. M.S. Swaminathan,
Lijnbaanstraat 53,
Wageningen,
Netherlands.



UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION

ORGANISATION DES NATIONS UNIES POUR L'ÉDUCATION, LA SCIENCE ET LA CULTURE

19, Avenue Kléber, PARIS 16^e

In your reply, please refer to :
En répondant, veuillez rappeler :

N°

Final Report to be Submitted by Unesco Fellows

Field of Study:

Dear

We hope that your programme of study as a Unesco fellow has been profitable. We are looking forward to receiving the report of your studies and observations. We suggest that you prepare this report along the following general lines and send it to the Head of the Department of Exchange of Persons and to agencies indicated in the letter of instruction we sent you following the award of your fellowship.

(a) In the first part of your report, you should summarize the results of your studies, visits and observation work, from a technical standpoint. We are considering submitting this part of your report to Unesco's specialists in your field of interest. You may wish to describe briefly some of the problems faced by your country in your field and the ways in which your research work and visits may contribute to improvements in your particular field. If you have focused your attention on a particular aspect of the problem, you should give pertinent details of the results of your study.

(b) You should then write a statement indicating what scientific and professional contacts you have established in the country of study. It may be that these contacts have suggested ways of establishing

a collaboration, in your field of study, between competent institutions in your country and those in the country of study dealing with the same problems. If so, we would like to know what you may have developed.

(c) If possible, would you be so kind as to send us a list of the books you have purchased during the period of your fellowship. These may be suggestive to others and may reveal needs for further technical literature in your country.

(d) We would also like to receive comments on the way your fellowship was administered: its general organization, its financial provisions and any difficulties you may have encountered. Such comments will be useful in improving the organization of fellowship administration to the benefit of future fellows.

(e) Finally, we would appreciate your sending us an evaluation of the experience derived from your fellowship, in terms of personal benefit obtained and of the principles for which Unesco stands.

For your information, I am attaching a report entitled: "Unesco Fellowships as Seen Through the Reports of Unesco Fellows". A similar document is to be published from time to time by Unesco, with a view to demonstrating the usefulness of Unesco's fellowship programmes through the practical results obtained. It may be that certain extracts from your report will be published in this document. Other extracts may be used among professional groups and individuals interested in your field of study.

We are putting your name on the mailing list to receive the "Unesco Courier". Please also let us know if there is other Unesco documentation you would like to receive. We will communicate with you from time to time concerning the future development of your career and your Unesco fellowship experience.

Cordially yours,

William D. Carter,
Head, Department of
Exchange of Persons.