

ED/989 /69

February 13th, 1969

Dear Mr. Achari:

We have, today, sent by Air Freight a wooden carton containing thermos flasks, tubes, syringes, etc., addressed to Dr. M.C. Swaminathan, C/o you.

It is hoped that this parcel would reach in time for him to collect, but in case it is delayed, please arrange to take delivery and see that he gets it before the commencement of his work. The contents of the parcel are meant for the work his party is to do and hence kindly treat this as URGENT.

Thanking you and with kind regards,

Yours sincerely,

P.K.S.

P. K. Sukumaran,
Scientific Officer.

Mr. B. C. Achari,
Asst. Secretary to the Commissioner,
Andaman and Nicobar Islands,
PORT BLAIR

CONSIGNMENT NO; AG 54816 dt. 13.2.69

L.S.
13.11.69

BY AIR MAIL

ED/990 /69

February 13th, 1969

Dear Dr. Swaminathan:

I am writing this letter in connection with the work on ONGE tribe in Andaman as per instructions from Dr. Srikantia. At the outset may I wish you and your team all success in your endeavour.

Perhaps you must have been told of our plans on a genetics study including abnormal haemoglobin in collaboration with you. To this effect I wrote a letter to Dr. Srikantia yesterday with the hope that it would reach in before you left for Calcutta. As mentioned in that letter, we are sending today by Air freight to you, C/o Mr. B.C. Achari, Asst. Secretary to the Commissioner of Andaman and Nicobar Islands, Port Blair, a carton containing the following:

1. Two thermos flasks with two dozen sterilized syringes (10 ml.) and needles.
2. Two dozen sterilized tubes with rubber stoppers, (for slotted blood),
3. One Ishihara Colour-blindness chart with instructions manual,
4. One lot of filter paper strips for collection of finger prick samples,
5. One lot of filter paper strips (small) impregnated with P.T.C. (Phenylthiocarbamide) for Taste test.
6. One lot of filter paper strips (small) washed in distilled water to be used as control for taste test.
7. Sodium metabisulphite powder (100 mg. packets) and glass rod.
8. Polythene bags and rubber bands,

We do hope that this consignment will be awaiting your arrival at Port Blair. Please collect it before you proceed further. We have deliberately sent only two dozens tubes and syringes for you to have them handy in case you feel you can get intravenous samples. As soon as you ascertain the possibility of getting intravenous blood please intimate by telegram and we shall send you another lot of syringes and tubes. You may be able to inform us of the number of samples you plan to collect in a day only after your exploration on the spot.

Dr. Swaminathan:

... 3

rubber band to make it water tight. In the bottom of the thermos is placed a cotton pad to prevent breakage and bag containing blood is placed slowly and ice cubes placed around it to keep the samples in cold condition. After packing the thermos with blood, the carton it is locked and sent by Air Cargo addressed to:

DR. L.D. SANGHVI,
Cancer Research Institute,
Tata Memorial Centre, Parel,
Bombay - 12, India. Phone: 442703/440114

Please mark it as: HANDLE WITH CARE -- PERISHABLES" (Blood Samples for Research Purpose".

Arrange to send a telegram in advance advising despatch of samples and giving the number of consignment note after booking the parcel. This would mean that you arrange with some body in Port Blair to book the consignment and send the telegram. There are two flights a week (Sundays and Wednesdays) and you can arrange your collection of intravenous samples accordingly. Parcel may please be booked as CONSIGNEE TO PAY so that we will pay at this end the freight charges. If this is not possible, you may pay the freight and our Institute will reimburse later.

Please acknowledge the receipt of this letter and parcel. Even if you are not able to collect intravenous samples from all the persons, please attempt to get at least 30 to 40 % of the population. I understand the number of Gage tribe is only about 150 in all. Hope to hear from you soon.

With kind regards, and best wishes for the success of the work;

Yours sincerely,



P. K. Sukumaran,
Scientific Officer

P.S
Key for the Carton
is enclosed
P.K.S

Dr. M. C. Swaminathan,
C/o Mr. B. C. Achari,
Asst. Secretary to the Commissioner
of Andaman and Nicobar Islands,
Port Blair.

c.c.to: Dr. S. G. Srikantia, M.B.B.S., D.Sc.
Deputy Director,
Nutrition Research Laboratories,
I.C.M.R., Tarnaka,
HYDERABAD-7

LOS
13.11.69

D. Krishnamurthi, M.D.

PATHOLOGIST

NUTRITION RESEARCH LABORATORIES

HYDERABAD-7 A. P.

Date.....

Dear Dr. Sanghvi,

I am sure you would have received the acknowledgement letter from the authorities at Post Blair. We received your equipment intact. Though you have advised that the Venous Blood sample would be better we realized that the sample has to be preserved in ice. Where we are working there is no possibility of getting ice & hence it was decided to use only the treated filter paper. We are sending herewith the slips with blood. The no. of the date are also recorded. I hope you can make something out of the material collected.

We thank you very much for the suggestions and your willingness to analyze the samples.

With regards.

N.B.

we hope to send you future samples in due course.

25.2.69.

Camp. Little Andamans.

Yours truly
M. C. Swaminathan

M. C. SWAMINATHAN.

All the Hemoglobin Samples (on filter paper) have been collected on 24.2.69. Place of collection: Hutbay - little Andamans. Each Sample has been given the serial number, their name and sex are noted with us, which we can despatch very soon. As regards their age is concerned no information about the correct age of any person is available except that the individual is adult or a child, infant etc. Name of the tribe is "Onge", and all the ~~are~~ samples are from the individuals of Onge tribe.

Sickness is absent in all the individuals whose hemoglobin samples have been sent to you.

Taste Status: Although we have given your filter paper strips to chew and tell us the taste their replies do not suggest anything about their taste.

DL

25/2/69

The information pertaining to
the hemoglobin samples is
given over leaf.

OK

No.40-6(5)/68-J.11.
ANDAMAN AND NICOBAR ADMINISTRATION,
Chief Commissioner's Secretariat.

.....
Port Blair, the 10th March, 1969.

From

Shri B.C. Achari,
Asst. Secy. to the Chief Commissioner.

To

Shri P.K. Sukumaran,
Scientific Officer,
Cancer Research Institute,
Tata Memorial Centre,
Bombay-12.

Sub: - Regarding delivery of Packages.
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Sir,

I am directed to acknowledge the receipt of your letter No. EI/989/69 dated 13-2-69 on the subject mentioned above, and to state that one wooden carton sent by you by air flight has been received here and the same has been handed over to Dr. Swaminathan.

Yours faithfully,

B. Achari

(B.C. Achari)
Asst. Secy. to the Chief Commissioner.
.....

MJ/6/3/69.
MJ
6/3

ED/1517/69

March 5th, 1969

Dear Dr. Swaminathan:

Thank you for your letter dated February 25th, 1969 and 21 samples of blood on filter paper strips which we received on 1st March, 1969.

These samples bear serial numbers 1 to 37 with sixteen samples not included. We have also received a packet containing filter paper dries with serum samples meant for Dr.S.N.J. These have been promptly sent by Registered Post to Dr. Srikantia for necessary action.

We find that the results you obtained using one filter paper strips with PTC for taste test are not encouraging. However, I wish you continue to note down the reactions for whatever it is worth. Hope you are collecting data on colour blindness with Ishihara Chart we sent you.

Looking forward to receive more samples and with kind regards,

Yours sincerely,



P. K. Sukumaran
Scientific Officer

Dr. M. C. Swaminathan,
c/o Mr. B. C. Achari,
Asst. Secretary to the
Commissioner of Andaman &
Nicobar Islands,
Port Blair

105
5.11.69

TELEGRAMS: NUTRITION
TELEPHONE: 71120

NUTRITION RESEARCH LABORATORIES,
Indian Council of Medical Research,
Tarnaka, Hyderabad-7 (A. P.)

Ref: No.

D.6/6/4595

Dr. M. C. Swaminathan, MBBS., MPH.,
Senior Research Officer

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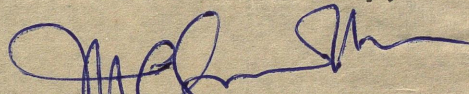
Dear Dr. Sanghvi,

In connection with the investigation undertaken on the Onge Tribe, we are forwarding the results of the PTC Testers. The numbers refer to the serial number of the subjects. We have already sent you the blood strips duly numbered. The report on the survey is being prepared. If you have any observation on the blood strips of the Onge Tribe, please provide us the information at your earliest convenience.

Serial Nos. of subjects who ^{are} Testers:- 2,4,5,7,8,10,
12,13,14,18,26,36,37,39,40,41,42,43 and 45.

Serial No. of subjects who ^{are} non-committal: 6,17 and 44.

Yours sincerely,


(M.C. Swaminathan)

Dr. Sanghvi,
Indian Cancer Research Institute,
B O M B A Y.

Sukumaran to prepare
a brief report

LS

17.ii.69

Senior Research Officer
Indian Cancer Research Institute,
Bombay

Dr. Sanghvi,
In connection with the investigation undertaken
on the Oxy-Fluoride, we are forwarding the results of the
H.C. tests. The number refer to the serial number of
the subjects. We have already sent you the blood slides
only numbered. The report on the survey is being prepared.
If you have any observation on the blood slides of the
two types, please advise us the information of your
interest.

First Fold यहाँ धरे

INLAND LETTER
अन्तर्देशीय पत्र



Dr. Sanghvi;
Indian Cancer Research Institute,
Parel
BOMBAY-12

Third Fold तीसरा मोड़



POST OFFICE TARNAKA

भेजने वाले का नाम और पता :- Sender's name and address :-

NUTRITION RESEARCH LABORATORIES
TARNAKA,
HYDERABAD-7, A.P.

इस मूल के अन्दर कुछ न माँगा
NO ENCLOSURES ALLOWED

ED/2728 /69

April 22nd, 1969

Dear Dr. Swaminathan:

This has reference to your letter no. D.6./6/4595 regarding the report of the observations on the blood strips of the Onge Tribe, I am enclosing herewith the same.

Yours sincerely,

L.D.Sanghvi, M.Sc., Ph.D. (Columbia)
Head, Epidemiology Division.

Dr.M.C. Swaminathan,
Senior Research Officer,
Nutrition Research Laboratories,
Indian Council of Medical Research,
Tarnaka, Hyderabad - 7.

Encl: Report.

Report on the Genetical Study of ONGE Tribe in
Collaboration with Nutrition Research Laboratories
Hyderabad.

On a suggestion from Dr. S. G. Srikantia, Deputy Director, Nutrition Research Laboratories, Hyderabad, (vide letter No. D.6/6/1784 dated 6th February, 1969) it was decided to collaborate in a field study to be conducted by Nutrition Research Laboratories, on the Onge tribes of Andaman. The collaboration from our side was decided to be a limited Genetic Study on this group considering the difficulties in the preservation of blood samples. This study consisted of electrophoresis of haemoglobin, Colour-vision and P.T.C. taste tests.

Materials were provided by us for collection of intravenous blood samples but due to want of adequate preservation facilities, venous samples were not made available to us. An alternative and not too satisfactory a method which was the next best, was adopted. This consisted of collecting finger-prick bloods on filter paper strips. For P.T.C. taste test also only a crude method could be adopted. This consisted of using dried filter-paper strips impregnated with P.T.C. solution and for control, filter papers soaked in distilled water were used. For colour vision test, Ishihara chart was sent to the team to be used there.

Thus two lots of blood samples collected on filter paper strips, 26 samples in all, were received. Of these,

E. S. Press-15-26-4-67-3,00,000.

R. L. O. 10

UNCLAIMED
~~REFUSED~~ LETTER

From the Returned Letter Office
HYDERABAD-A.P.

Pe

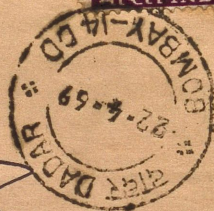
Po: Bombay. 12

In delivery to the sender for

Received on 2/5/69.

UVB

ED/2728/69.



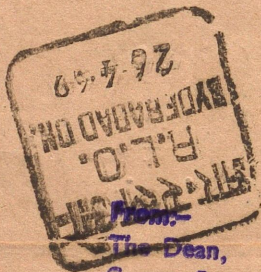
Return to
Sender

Dr. M. C. Swaminathan,
Senior Research Officer,
Nutrition Research Laboratories,
Indian Council of Medical Research,
Tarnaka, HYDERABAD-1.

~~10
%
No 1 P.S. Sambardam,
Lakshmana Gramani St
MADRAS - 17~~

~~Rediverted
No. 1, Jyesth St
Tarnaka.~~

~~Hyderabad
Hyderabad
Jyesth~~



From:-
The Dean,
Cancer Research Institute,
Tata Memorial Centre,
Parel, Bombay-12 (INDIA)

INSTRUCTIONS FOR DESPATCH OF GOODS.

INDIAN AIRLINES CORPORATION.

Please despatch the under-mentioned goods in accordance with the instructions contained herein :—

	*CONSIGNEE	SENDER
Name	DR. M.C. SWAMINATHAN	DR. L.D. SANGHVI,
Address	C/o MR. B.C. ACHARI ASST. SECRETARY TO THE COMMISSIONER	HEAD, EPIDEMIOLOGY DIVISION, CANCER RESEARCH INSTITUTE,
Phone No.	OF ANDAMAN & NICOBAR ISLANDS, PORT BLAIR.	PAREL, BOMBAY-12. INDIA.

*The Consignee's Address shall be regarded as the place of the destination unless instructions to the contrary are received

No. of Packages (words and figures)	Method of Packing	Marks and Number	Quantity and Nature of Goods	Volume of Dimensions of Goods including Packing	WEIGHT		Value for Customs
					Kg	Grs.	
ONE		TWO EMPTY THERMOS FLASKS	TWO EMPTY THERMOS FLASKS		GROSS		(2 copies of relative invoice to be attached) COUNTRY of ORIGIN
					NET		

SENDER'S C. O. D. (Words and figures)

CHARGES for :	TO BE PAID :— (Sender or Consignee)	Documents attached :
Freight		Declaration of the Value for Insurance by the Carrier as Agent for the Sender (if desired) words & figures :
Cartage on Departure		
Other Charges on Departure		
C. O. D. Fees		
Clearance at Destination		
Cartage on arrival		Sender's instructions in case of refusal by consignee :
Other Charges on arrival		
Re-forwarding		
Other expenses		Special Conditions & Remarks :
Insurance Premium		
Customs Duties		

THE SENDER HEREBY

- (i) expressly declares that the above particulars furnished by him or his agent are correct and that he is aware of and accepts the **CONDITIONS OF CARRIAGE** which can be seen at the carriers Booking Office and will be incorporated in the Consignment Note(s).
- (ii) authorises and requests the Corporation to complete Consignment Notes and other Documents in connection with despatch carriage and delivery of the goods as agents for and on behalf of the sender as provided by the **CONDITIONS OF CARRIAGE** and General Conditions of Carriage of Goods.
- (iii) I/We, the Sender/consignor/Freight Agent of this consignment declare that none of the prohibited goods listed on reverse of this note are contained in the consignment offered for booking with the Indian Airlines Corporation. In case of default or breach, I/we hold myself/ourselves responsible as provided by law of the land.

(LIST OF PROHIBITED GOODS ON REVERSE)

PROHIBITED ARTICLES

Acetone, Acetylene (liquid) dissolved acids (except citric and tartaric), Ammonia, Ammonium Per-Sulphate, Ammonium Nitrate, Ammunition (except safety cartridges), Arrack, Benzine, Benzoline batteries Charged, Calcium Carbide, Camphine, Camphor oil, Carbon Bisulphide, Carbonic acid (in steel cylinders), Carbonic acid gas, Cartridges of all kinds (except safety cartridges), Celluloid & Xylonite and other similar substances, Chlorate of Potash, Chlorate of Soda, Collodion Cordite, Dynamite, Ether, Eau-Oxygen, Explosives of all kinds (including Percussion Caps), Cinematograph Film-unless packed in fireproof metal containers, Firework & Crackers, Flash bulbs Photographic, Fulminating powder, Gases of any description (under pressure,) Gun powder, Hydrogen peroxide, Kerosene, Matches (Lucifer and Percussion of all kinds), Meal worms, Methylated spirit, Naphtha, Natrium Peroxide, Nitrate of Soda, Nitro Glycerine, Nitro-Lime of Calcium, Paraffin, Petroleum & its products (Excepting when used as fuel and contained in tanks provided for the purpose), Phosphorus, Pyridine, Pyrotechnies (other than those required for the navigation of a/c), Rockets, Safety Dynamite Fuses (with or without Detonators), Saltpetre, Spirit of wine, Varnish etc. containing spirit cellulose nitrate plates, Chloride of lime, Compressed air bottles or gases, Explosive rivets, Permanent magnets mercury oxide, Metallic mercury, Radium & radio active materials, Sulphur di-oxide, Bleaching powder, Mustard Oil Essence, Any form of combustible material, having a flash point below 73°F, Anything dangerous, obnoxious or which may cause inconvenience to passengers. All such goods which are prohibited for carriage under the Indian Aircraft Rules, 1934.