

Hugh - Jones

Invoice No. 5706



LOUISIANA STATE UNIVERSITY
AND AGRICULTURAL AND MECHANICAL COLLEGE
School of Veterinary Medicine Library

Baton Rouge, Louisiana 70803-8414
FAX 504/346-3295 PHONE 504/346-3173

TELEFACSIMILE COVER SHEET

DATE: 14 AUGUST

TO: MATTHEW MORTON

DEPARTMENT/ADDRESS: BIOCHEMISTRY & MOLECULAR BIOLOGY

FAX NUMBER: 1-617-495-8308

Country Code City Code Area Code Phone Number

COUNTRY: CAMBODIA

FROM: MARTIN HUGH JONES

DEPARTMENT: ORH

MESSAGE:

See attached
↳

TOTAL PAGES TO BE TRANSMITTED, INCLUDING COVER: (4)

PAGE COST: \$ _____

FOREIGN CALL COST: \$ _____

TOTAL COST: \$ _____

ACCT# 166-20-0000

CHARGE: _____ DEPARTMENT
PERSONAL

PAID: _____ CASH

RECEIPT NUMBER

Department of Epidemiology & Community Health,
School of Veterinary Medicine,
Louisiana State University,
Baton Rouge, LA 70803, USA
[Tel: 504-346-3335]
[FAX: 504-346-3295]

14 August, 1992

Prof. Mathew Meselson,
Dept of Biochemistry & Molecular Biology
Harvard University,
7 Divinity Avenue,
CAMBRIDGE, MASS 02138

FAX: 1-617-495-8308

Dear Mat & Jean,

I am faxing this so as to have hard copies for Alexis & David. You will have received my latest translation/transliteration of the "H" docs; I sent draft copies to Alexis before he left for China. It seems that our problems with the large flatbed printer might now be at an end and I can start outputting my large plots of cases etc against a registered and correctly orientated and scaled image of Ekaterinburg. I would warn you that the maps we obtained in Ekaterinburg are full of errors and especially of scale. I think it is mainly Russian incompetence and civilian cartographic inexperience more than anything else. Our printing problems were embarrassingly trivial but confusing ... the tube containing the yellow ink was blocked but this was discovered only after extensive checks on the software, etc, etc.

I hope to get copies off to you all early next week of the cemetery. I think I have discovered where virtually everyone on the official list is buried. The last exercise to cross-match graves, names and list numbers indicates to me that the official list was retyped from some document in a file and not from the cemetery. Half the first burials are not on the list. And the numbering has only a vague north to south orientation. When you see the details it is clear that bodies were held back at first and then released in a rush ... first men and then women. This was followed by some bodies of early deaths and then more or less as people died. It must have been as chaotic and tension filled as the witness accounts describe. The grave diggers had a habit of digging non-adjointing graves, ie graves were every other logical space and then in-filled before going on to the next row. And they later added people onto the front ends of rows.

On my computer image I have an area of Chkalovski Rayon with missing cases in the north-central part of the Rayon and immediately adjoining the compound. This is based both on my plotting of your first master list as well as when I plotted out the "H1" list of deaths/022/suspect cases. Part of the area should

be free if there was a "skip" as the 'cloud' went up on release and then had to travel a distance downwind before sinking and hitting the target population. However it is peculiar that the eastern margin of this "gap" is lined with late cases, ie deaths after 20th April. Being the nearest they should have been early cases. Similarly the "H1" has no suspect cases in this gap area, which it should by the fact that not all 'suspects' need have been anthrax. These and other points, including my experience in mapping caseloads, suggest to me that this space is, or includes, the designated area for another Polyclinic, possibly Polyclinic II, which for some reason did not report any cases except Kisel'man; and from which no records have survived or been found. Based on Ponomaryov's figure of 121 cases in the Rayon by '15th' April ... let us assume that he was out by a week ... I can only trace 97 from the H lists. With about 50% of the H list people dying or being confirmed as 022s, I suggest that we may be missing some dozen cases (majority dead) and an equal number of sick people.

If I am right (a BIG 'if') we have to ask, "Where are the bodies?". If I am wrong, we are still missing Ponomaryov's '24' as well as the hundred or two hundred other sick folk as reported by Ilenko.

My version of an "H-Master" list suggests that multiple cases per household were not rare. Those that I have plotted so far, indicate that they seem to lie in a non-random fashion. A few would be by chance. At some point their frequency must indicate a common exposure. I presume that Jean/Ilona have discovered additional household 'cases' from the interviews.

Sergei has provided me with some geographic information, which may help you and Alex:

Batalionnay Str: this street has had all its houses save two demolished. It is off Bebelia Str. in Zheleznodovozhy District (NW part of Ekaterinburg) at about #174 Bebelia Str and was parallel to Avtomagistralnaya Str.

Kashinsky Lane: is an extension of Poldnevaya onwards to Okruzhnaya.

Energetikov Lane: is off Sel'korovskaya at 116-118 Sel'korovskaya and some 10m from the bus-stop "Juzhnaya Podostantsiya".

[By the way, bus routs are in red and tram routes in black on the map.]

Mosekina, Maria Stepanova ... but I expect Jean knows that already.

MEX 44: Mechanised Transport Organisation #44 or "Mechkolonna 44" is at 114 Sel'korovskaya. Mat, you have this as the address for Ural Electrocommunication [Abusagitov & Pilyasov]. We had better get this sorted out.

Ural NII Agriculture: is based in Istok, about 20kms to the ESE.

Sergei had no leads on NII 44 or 34 MSD. Has Ilona?

Mat... Thanks for the notes on work places but none of my maps show Balakireva and certainly not as a road three blocks long between Lyapustina & Disel'ni which, unless I am very confused, are parallel and only a block apart. Maybe you can fax me a xerox of the relevant part of the map you are using.

Also: Who are KAZAKOV, STERKHOV, TOLMACHEVA, & TALASHMANOV? They are on none of my lists even allowing for differences in transliteration systems. When were they first ill and where did they live? Please share.

Can we look forward to an update on your master list as a result of the Ilona interviews?

Nature is a good idea.

Best wishes,

Yours sincerely,



Martin Hugh-Jones

cc: Alexis, David, Alex