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DATE: 7 August '92

TO: Dr. MATTHEW MURKIN

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FROM: MARTIN HUGH-JONES, ECM

DEPARTMENT: ① GLAD TO KNOW YOU ARE BACK

MESSAGE: ② THERE IS AN INTERCOM MESSAGES FOR YOU

③ NOW (!!) I KNOW WHY I HAD PROBLEMS GETTING THIS GPS DEVICE TO FUNCTION - SEE TWO FIGURES

④ SEE EIGHT ATTACHED PAGES OF INITIAL TRANSCRIPTION OF "H" DOCS. LET US TALK

⑤ HAVE ILONA'S DOCS ARRIVED YET? SERGEI SAYS THEY WERE SENT ON 7/24. Best with ty.

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RECEIPT NUMBER

[in preparation for a field-trip next week to catch Armadillos]

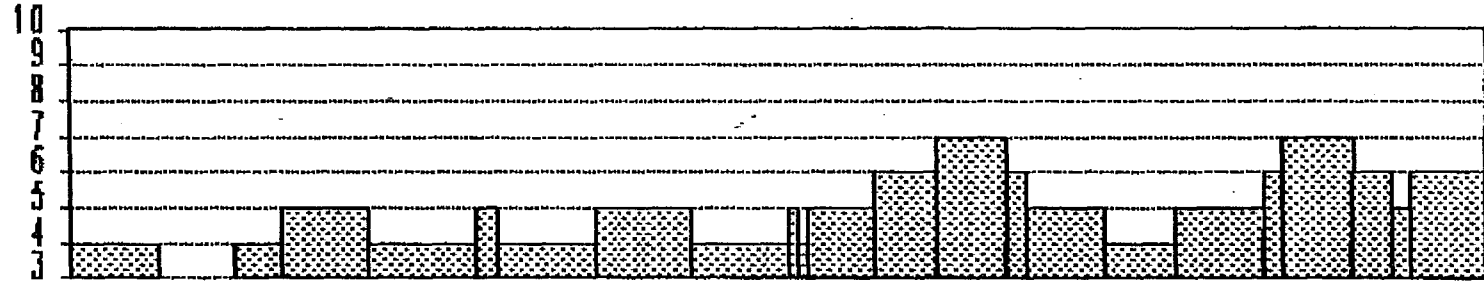


All-In-View PDOP vs Time

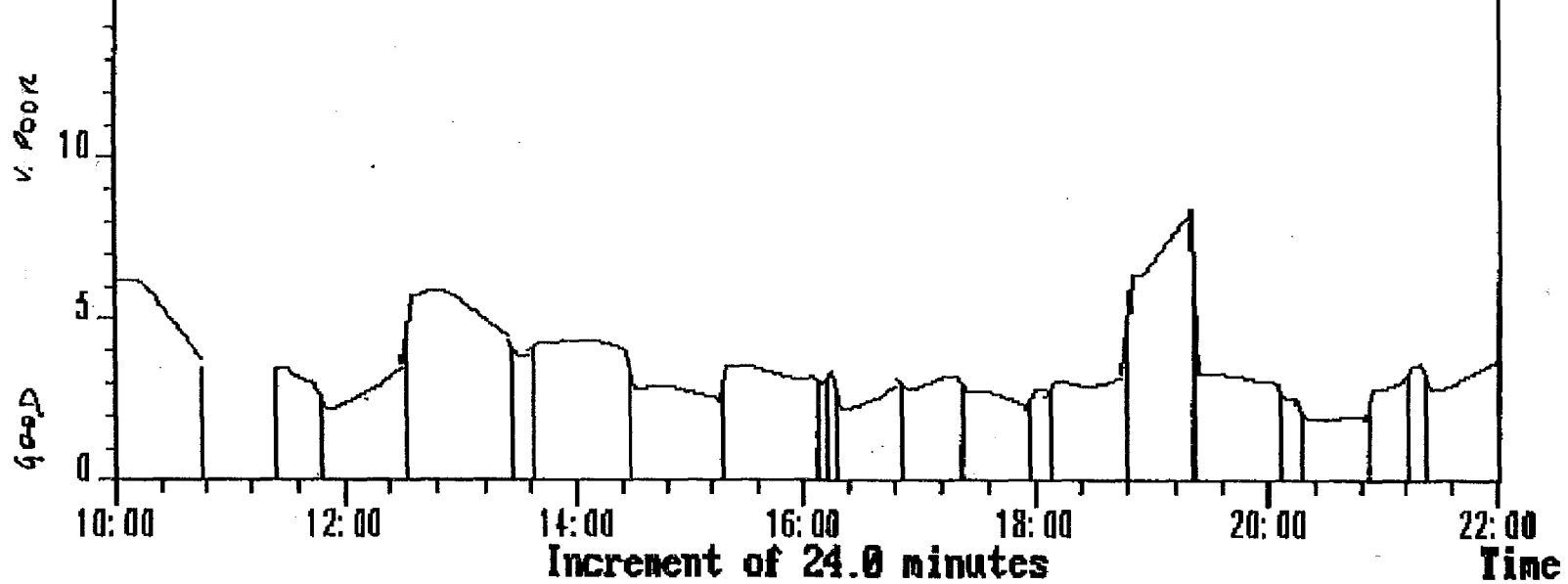
Station : Lacassine, LA Latitude : 30 00' 00" N Longitude : 92 50' 00" W
Date : 12 Aug 1992 Zone :- 5:00 Cut-off Elevation : 15

Number of Satellites

8 Channel Receiver



PDOP



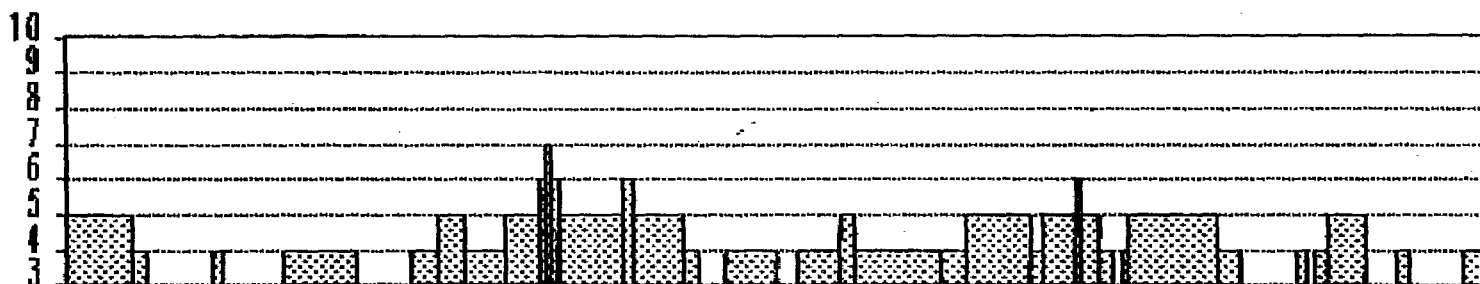


All-In-View PDOP vs Time

Station : Russia *E-bus* Latitude : 57 00'00"N Longitude : 60 00'00"E
Date : 10 Jun 1992 Zone : 4:00 Cut-off Elevation : 15

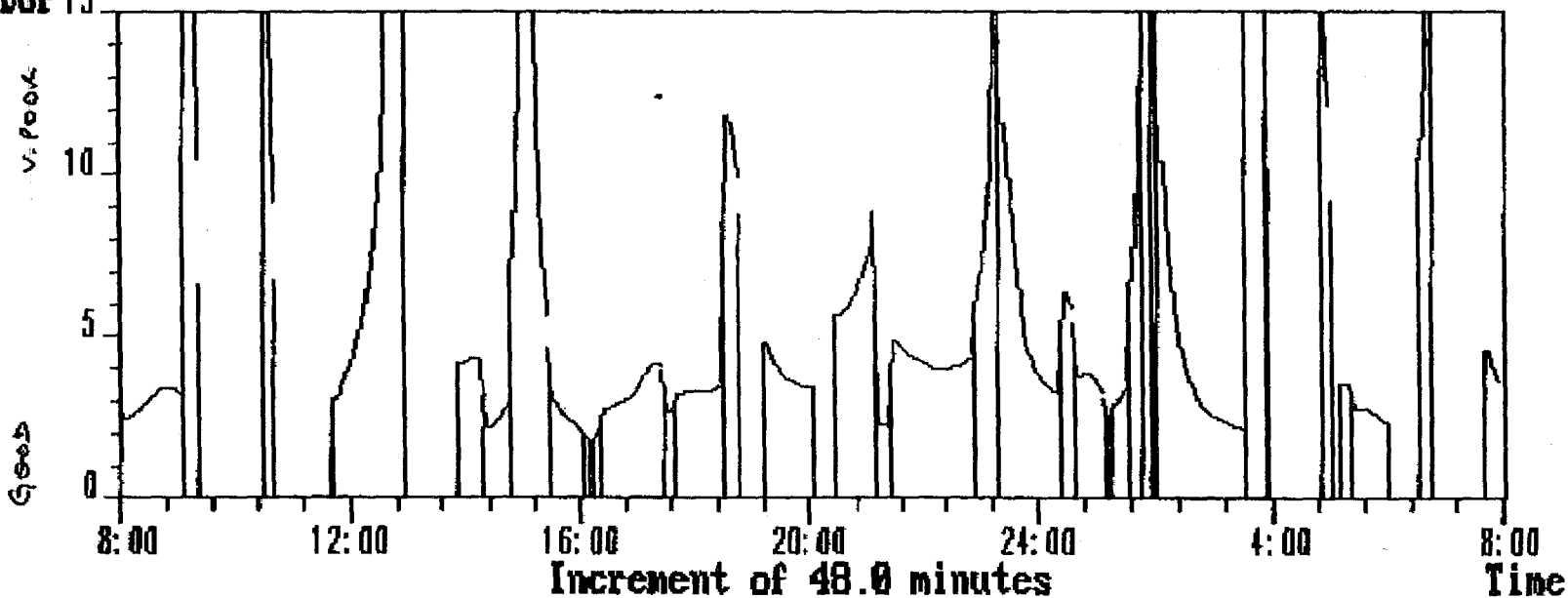
Number of Satellites

8 Channel Receiver



PDOP 15

Signal Quality



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"H1"

HOSPITAL NUMBER 24 LIST OF CONFIRMED & POSSIBLE ANTHRAX CASES.

This list was generated by the hospital director, Dr. Margarite Ilenko, on or around 18.4.79 ... it is assumed that it represents all the cases that she was aware of, and certainly at Hospital #24, up to close of play on 18.4.79. However some comments appended to later cases indicate that either the list was extended after 18.4 or that later events were noted against names of persons seen to be ill earlier (ie by 18.4). Apparently two staff members were responsible for assembling this list. This might explain duplications.

The following conventions have been followed in transcribing this list:

- Bold:** Anthrax cases that had died (?by 18.4.79, HJ to check)
- Underlined: Clinically confirmed by culture; noted as "022"; and presumably alive on 17.4.79. or whenever list was assembled.
- Normal:** Suspect anthrax cases; these would have included similar diseases and confuseable symptoms, as well as persons later developing "clinical anthrax".

A number of the people listed have differences in their initials and the spelling of their names from similar names found in other lists, especially the "official" list. These initials and such are as on the original list prepared by AS & VS.

There is a footnote on the original document:

"34 dead as of 18.4.79
plus Bliznyakov on 18.4 = 35 with Bliznyakov"

H1 List (page 1)

[Cases in bold had their case numbers circled.]

H1#	Name & initials	Address	Work	Comments
1	Nikolaev, N.D.	Titova 38-69	B/T 19	[see #47, husband & wife]
2	Kozlova, V.I.	Umeltsev 11-88	Ceramics	Labourer
3	Komina, A.P.	Lyapustina 137		[husband #76 died 19.4]
4	Vinogradov, D.Y.	Lyapustina 153		
5	Danilov, V.P.	Eskadronnaya 37-22	Scientific Institute	PIG Gortash
6	Pritchkin, V.A.	Eskadronnaya 5a-71	Ceramics factory	
7	Barov, A.S.	Eskadronnaya 2-43	Lesmash (forestry machinery)	
8	Chizhova, A.A.	Patrice Lumumba 62-2		
9	Galimov, A.A.	Balakireva 60		
10	Dyedov, L.G.	Severski 17	Pensioner	
11	Yanchuk, L.G.	Bisertskaaya 103-82		
12	Nadiev, V.A.	Aptekarskaya 37-17		
13	Yakovlev, N.V.	Gazetnaya 34-14		
14	Kosheleva, T.F.	Severski 61	Kindergarden teacher	265 [385] [initials L.N.]
15	Korsaev, A.K.	Disel'nyi 89		
16	Vlasenko, R.N.	Gazetnaya 34-130		
17	Milyutina, R.A.	Malokhitoviy 5		
18	Kadochnikova, A.D.	Sel'korovskaya 12-8		
19	Vershinin, I.V.	Poldnevaya 90		[initials I.A.]
20	Komel'skikh, A.A.	Poldnevaya 10		
21	Blumova, S.F.	Sel'korovskaya 102-28		
22	Markov, M.S.	Eskadronnaya 48		
23	Zakharov, B.P.	Kashinskiy 20		[initials?]
24	Fedulova, M.S.	Promyslovaya 88	Laundress	[see Polyclinic IV list]
25	Syskov, A.N.	Bisertskaaya 6-58	Lesmash	[died]
26	Logonova, N.G.	Bisertskaaya 4a-51	Pensioner	[Loginova, P.N.;died]
27	Zubova, V.N.	Sel'korovskaya 76/1-16		Ceramics
28	Zapitova, N.V.	Sel'korovskaya 76/1-100		
29	Grotto, M.M.	Sel'korovskaya 76/1-109		
30	Kurennov, F.M.	Sel'korovskaya 34		
31	Tolstykh, E.A.	Umeltsev 13a		
32	Bukhgaliev, F.A.	Energetikov 8-61		
33	Gayniev, V.A.	Aptekarskaya 37-17		
34	Sorokina, M.A.	Sel'korovskaya 76/1-4		
35	Krivtsov, M.A.	Energetnikov 6-12		
36	Volkova, A.M.	Sel'korovskaya 102/2-16		
37	Makarova, V.G.	Lyapustina 63-38		
38	Solomonov, L.I.	Sel'korovskaya 77/2-23		
39	Novokreshchenova, A.A.	Bisertskaaya 22-12		
40	Surovtsev, A.N.	Sel'korovskaya 104-32		
41	Polezhaeva, G.K.	Sel'korovskaya 102/3-10		[see #57, husband & wife]
42	Mikheev, V.F.	Dalekaya 76		
43	Kryukov, I.A.	Kollektivnyi 3-15		
44	Gorbunskikh, V.G.	Gazorezchikov 45-8		
45	Poletaev, V.Kh.	Sel'korovskaya 16-4		[initials V.D/F]
46	Tetkin, G.V.	Umeltsev 11-80	Disabled III Class	[Tepikin, see #88 Tinin]
47	Nikolaeva, G.A.	Titova 38-69		[see #1, husband & wife]
48	Sergeeva, T.T.	Agronomicheskaya 36a-20		

H1 List (page 2)

H1#	Name & initials	Address	Work	Comments
49	Borisov, V.P.	Sanatornaya 11-30		[MM; NII 44]
50	Tarasenko, E.Ya	Zvezdnaya 5-12	B/f 19	
51	Ivanov, E.	Voennaya 10-51		[initial missing]
52	Mochalov, M.N.	Agronomicheskaya 5a-1		
53	Kirillov, N.F.	Zenitchikov 26		
54	Vyatkin, Ya.I.	Chaikovskogo 82/1-60		
55	Malina, D.P.	Shabry	Ceramics	Pipe Shop, Shabry Clinic
56	Stamboltsev, V.N.	Lenina 13/3, Shabry	Ceramics	
57	Polezhaev, G.S.	Sel'korovskaya 102/3-10		[see 41, husband & wife]
58	Chapaeva, M.M.	Kolkhoznikov 89-50		[initials]
59	Burmistrov, M.A.	Musorgskova 27		[diff initials & address]
60	Nogina, P.A.	Kamyshinskiy 47		died from other disease
61	Kodochnikova, V.E.	Sel'korovskaya 12-8		
62	Mochalova, T.V.	Sukholozhskaya 6-52		died [initials T.P.]
63	Yurina, K.S.	Sel'korovskaya 76/1-83		[possible confusion c.#65]
64	Bubenshikov, V.I.	Lenina 25-44, Shabry		
65	Zorina, G.S.	Sel'korovskaya 76/1-83		Ceramics
66	Krevtsov, ---	Energetikov 6-12		[duplicate entry for #35]
67	Marveev, V.I.	Sel'korovskaya 102/2-33		
68	Siritdinov, N.I.	Agronomicheskaya 3/a-17		
69	Zhdanova, L.A.	8 Marta 204-14		
70	Chmarina, N.	Voennaya 4-60		
71	Trednikov, V.I.	Malokhitovyi 56/1		[Tretnikov, see #83]
72	Neskorova, V.E.	Sel'korovskaya 76-35		
73	Belaev, Yu. G.	Titova 17-27		
74	Vozilova, E.F.	Belinskogo 220/5-21		
75	Lyubilov, V.F.	Sel'korovskaya 100/1-56		
76	Komin, ---	Lyapustina 137		[died 19.4; husband of #3]
77	Moseykina, M.S.	Kashinski 4		
78	Zinatulin, K.--	Voennaya 7	Engineer #14	lived elsewhere, died 12.4
79	Andreev, V.F.	Aviatsionnaya 24b-2		
80	Malykh, I.Ya.	Aptekarskaya 56-4		
81	Melnikov, G.A.	Sel'korovskaya 24-19		
82	Fadeev, N.I.	Sukhumskiy [?no.]		
83	Tretyakov, V.I.	Malokhitovyi 56-1		[Tretnikov, see #71]
84	Permyakov, V.M.	Biserstkaya 4-51	Office worker at HQ#84	
85	Berdyuchina, G.A.	Ferganskaya 2-22		
86	Vyukhova, O.V.	Titova 10-5	worked at factory, towncentre	[?Vyukhina]
87	Vinnikova, I.R.	Sel'korovskaya 76/1-43		
88	Tinin, G.V.	Umeltsev 11-80		[Tepikin, see #46]
89	[blank]			
90	Semenov, V.I.	Umeltsev 7-154		
91	Gribin, L.A.	Gezetnaya 36/32		
92	Nogov, A.I.	Eskadronnaya 5a-76		
93	Nagibulina, U.K.	Aptekarskaya 37-914		started dying 18.4
94	Bliznyakov, G.G.	.	Ceramics: was at work 5.4, died 18.4	
95	Makarov, N.F.	Kolkhoznikov 87-25	Died @ home, 24.4 [initials, I.V.]	
96	Lyakhova, M.I.	Poldnevaya 21	Compound 19 at Construction Detachment[?]	died 25.4.92 [initials, N.I.]

H1 List (page 3)

H1#	Name & initials	Address	Work	Comments
97	Klimova, S.F.	Sel'korovskaya 102-18		died 13.4.92
98	Patrushev, V.P.	Sel'korovskaya 76/2-35		022?
99	Dayanov, ---	Eskadronnaya 2-20		First ill on 1.5, saw his doctor on 3.5 complaining of headache, nausea, coreza, chest pain, X-rayed and put on sick list; unable to leave home on 6.5, called ambulance twice; admitted on 6.5 and died on 10.5; not immunised.
100	Abusagitov, F.S.	Energetikov 87	Kolkhoznikov 21 Electrical Contractor	Factory. Noted to have become ill on 9.5 and died at home on 10.5; not immunised. [initials, F.Ch.]

"H2"

ILENKO TABLE OF O22 CASES (undated)

H2#	Hosp Name	Age	Address	Place of Work
1	20	Kozlova, V.I.	. Umeltsev 11-188	Ceramics
2	20	Komina, A.P.	. Lyapustina 137	Ceramics (tile shop)
3	?	Komin, Ya.N.	. Lyapustina 137	Ceramics
4	36	Vinogradov, D.Y.	. Lyapustina 155	Ceramics
5	24	Chizhova, N.P.	1928 Patrice Lumumba 62-2	Ceramics (dinning hall)
6	home	Galimov, --.	70 .	Ceramics (pipe shop)
7	24	Korsaev, P.K.	54 Disel'nyi 82	Ceramics
8	26	Kosheleva, T.A.	24 Severski ???? 61	Kindergarden 385
9	46	Dyedov, A.P.	73 Severski 17	pensioner
10	20	Syskov, A.N.	27 Bisertskaya 6-58	Ceramics
11	20	Zakharov, S.V.	44 Kashinskiy per 20	Ceramics
12	20	Markov, M.S.	46 Eskadronnaya 48	Ceramics (loading dock)
13	.	Polezhaeva, ---.	. Sel'korovskaya 102	.
14	.	Shevchuk, V.V.	? Zvonski	Ceramics (tile shop)
15	40	Komel'skikh	67 Poldnevaya 10	Pensioner
16	40	Vershinin, I.A.	49 Poldnevaya 90	Ceramics (tile shop)
17	40	Markova, V.P.	41 Lyapustina 60-768/788	Disabled III Class
18	home	Volkova, A.M.	65 Sel'korovskaya 102/2-16	Pensioner
19	.	Tepikin, G.V.	. (in Sysersk) Umeltsev 11-80	Disabled III Class
20	home	Krivtsov, M.A.	45 Energetikov 6-12	Fabrica Trud
21	40	Poletaev, V.F.	38 Sel'korovskaya 16/4	Ceramics
22	40	Chachaeva, M.A.	45 Kolkhoznikov 897/50	S.L. Factory
23	Home	Burmistrov, M.E.	52 Musorgskova 93	Ceramics (tile shop)
24	40	Tretnikov, V.I.	52 Malokhitoviy 56-1	?
25	40	Dmitrova, T.I.	28 ?	?
26	20	Moseykina, M.S.	. Kashinski 4	Pensioner
27	40	Permyakov, V.M.	. Bisertskaya 4-51	Sheet metal worker
28	40	Nagibulina, Ya.K.	. Aptekarskaya 37-914	Knitting factory
29	40	Mukhametshin, M.M.	?? Promyslovaya 53	Mex 44
30	40	Geptin, P.?.	40 Sel'korovskaya 112-17	"good for nothing"
31	home	Makarov, I.V.	42 Kolkhoznikov 87-25	Compound 19
32	40	Lyakova, N.I.	57 Poldnevaya 21	Dinning Hall #52 (@ ???)
33	blank			
34	blank			
35	.	Dayanov, F.Z.	42 Eskadronnaya 2-20	Building Matteredials Fact
36	.	Abusagitov, F.S.	30 Kolkhoznikov 21	Electrical Contract Fact

[Cases in bold had their case numbers circled.

Chachaeva was noted to be 'alive'.

'Home' has been used to indicate the person's death at home.]

Polyclinic at Shabry

Hospital No. 24

1. Bubenshikov, B.I.
2. Malina, Lydia Pavlovna (022)

[new page]

[Noted 'As of no date, probably 20.4.79']

Polyclinic No. 1 .. 24

- 1- Nikolaev, F.D.
- 2- Sergeeva, ---
- 3- Tarasenko, E.Y.
- 4- Ivanov, E.I.
- 5- Mochalov, M.N.
- 6- Zinatulin, K.A. (Does not live Voennaya 7)
- 7- Khudyakov, N.A.
- 8- Pilyasov, P.Y., Agronomicheskaya 40a-54
- 9- Spirina, K.M., Ferganskaya 18-6
- 10- Gayda, ??.?, 32 Reshetnikova 18 (in centre of city) Ceramics
vaccinated 21.4
liquid stool on 29.4
Admitted to #40 on 30.4 at 1.05pm
died at 3.00am
- 11- Yasinskaya, N.F.
- 12- Kisel'man, V.P. - 34 - Compound 19 - Zvezdnaya 10-9
Transferred on 10.5.72 from Polyclinic No.2 (Ch.2Ch. - locksmith/metalworker)

Cases in bold had their case numbers circled.

(Polyclinic) No.2

No cases

Polyclinic No. 3

1. ???? , V.I.

Polyclinic No. 4

[flow chart for diagnosis of 022]

1. Kozlova, V.I.
2. Komina, A.P.
3. Vinogradov, D.I.
4. Danilov, V.P. - 022
5. Pritchinn, V.A. - 022
6. Chizhova, A.A.
7. Galimov, A.A.
- [8. missing]
9. Dyedov, L.G.
10. Yakovlev, N.V.
11. Kosheleva, T.F.
12. KorsaeV, A.K.
13. Vershinin, I.V.
14. Komel'skikh, A.A.
15. Bliumova, S.F.
16. Markov, M.S.
17. Zakharov, E.P.
18. Fedulova, M.S. 022 - [it seems uncertain whether she died]
19. Syskov. A.N.
20. Loginova, N.G.
21. ??Krivtsov, M.A.
22. Volkova, A.M.
23. Markova, V.D.
24. Novokreshchenova, A.A. 022
25. Poletaev, V.Kh.
26. Tepikin, G.V.
27. Borisov, V.P.
28. ??Chapaeva, M.M.
29. Burmistrov, M.E.
30. Trednikov, B.I.
31. Maseykina, M.S.
32. Permyakov, V.M.
33. Nasibulina, Ya.K.
34. Mkhametshin, M.M.
35. D?????, G.H. - (? Malakhitoviy 56-1)
36. Gepkin, P.P.

OTZ

37. Porbunskikh, V.G. - ?? Ceramics factory (?word?)
Gazorezchikov 45-8

38. Komin, _._. died 19.4.79 Lyapustina 137

Notes on 23 individuals (3 pages) ... to be translated

'Important Notes in a Notebook (Two Yellow notebooks)'

As of 20.4.79 - - 358 ill patients
45 dead
214 in Hospital #40

Spirina - KM 67

?Klavdia Ferganskaya 18-C

Onset 14.4 - 14-15.4 ?? ???? ?

17.4 - ?admitted

30.4 - dead

3.4 Goat - Kashinski 47 - belonged to the Ignatiev family

Special

1. Prokhorov, ---. 31 years old
ul. Bo????? 70-21
[five word comment]
sick 29.4, died 30.4
was working/training in Compound 32 from 5.4 to 11.4

2. ????? - ?four word comment
died 2 May 79
training/working in Compound 32!

3. Klyestov, I.E. - 55 years - Shabry, Lenina 17-7
Ceramic factory (job?)
sick 29.4
died 1.5.

vaccinated 21.4

? Fedulov - 29 years Promyslovaya 88
ceramics
Sick 9.5
Admitted 10.5 ?pneumonia

Owner of sick pig

[Is this the husband of M.S. Fedulova, a laundress, who was ill in early April, and appears in the Polyclinic IV list as a possible survivor?]