

Letter —

5-18-73

: Kershner's —

successes in the past
(past)

[≡ for watching & listening]

: of course we took many from military
but to do our own basic
research.


□ Detrick criticized by RAO for
too basic research.

⑤ raised (per John Steinbrun) that
we are trying to push him down — "we
must know all about their program from
3 defects.

⑤ US statements of no BW "fair & real".

Russian program ~ 1 number scheme.

□ has been lots of propaganda.
We should get past old history.

#⑤ Niel-med  mit-med. Bilat. as way to deal.

□ difference. BW not acknowledged.

Tom M. ^{Matth.} Kupfer unit to exchange.

Remo:----- People who had worked in military. -
Conversion issues.

• Transgenics

◦ □ position at Asilomar.

Chanock. - Transgenic mice susc. to polio

~~Polio: other wild mice~~

~~Mice~~ 

Peltz...

Chazov → Dean _____ Medical Institutes, less role.
"Physicians against BW" as a movement.

Exchange of surveillance data. 10/93 - CISAC plenary.
Acad. Council.

◦ Problematics of intervention. Hitler 1936 vs Yugoslavia 1993.

(B) - Scientists ... have advertised nuclear. Nuclear Winter.....
So everyone understands. Some EU...
Demandate PR re BW.

(S) Confidence. Sverdlovsk. US knew the situation. Plika Army
for US diplomacy. Possibility of genetic eng. Brain drain initial.
Demand for repentance. Diplomacy has gotten a taste for (blood).
Alliance needed. 5/9/93. One sided repentance

◦ Jimi Hughes re US-Russian EIS collaboration.

✓ This is a planning mtg
e-mail
PSR.

✓ Attend com.

✓ Venue for other regulatory issues: Transgenic's CONVERSION
US ~~scientific~~ ^{scientific} situation. World research.

^{Sverdrup} ~~research~~ project

• agree to discuss ^{normal} detail.
Understand # of problems.

- ① Joint Sv./author results.
- ② Standards of verification
- ③

Peter - Academy as seat of independence. Basic sciences
New directly in acquisitions.
Scientists were individually involved. E.G. Solodov.
Implementation outside.

In 2 years, new status Acad. self-governing.

etc.
IL visited @ Shomydani. Had to be limited in what he said.
Now eager to stop.

Academy independent!

Delegations: Ivanov. ^{perestroika} lives
Bolshevik. - Ecol. Inst. (Sverdlovsk).
Soudalnikov - Centre Euzim (Novosib)

Agenda: swatpax.
IL's warning re "justice giving". ^{transyuzi ogyaznis}

Gorbachev's decree on OSU compliance.
"Science & Business": conversion. Potential in Novosib region.
Obolenski. 200 ~~cards~~ 12 PhDs 2000 specialists.
High containment. Appl Microb. Enter.
Costs: ! Take up conversion issues.
3rd party criticism. OSU specialists may be criticisable.
Brain drain. Physicists uneducated. Biologists too....
Try to find alternative jobs.

Peter. Structure of AN

300 institutes. 250K people. 60K scientists

1K academs.

300 full members

AN could support a new project. Needs to...

Robins: New England factory cases:

Alex. G.: Ceramics factory not ascertained in April.

Cluster of cases within the ceramic factory.

Ivanov. - not may new know. Need data from participants

Soudak. "objective situation". Leitenberg... commentary.

General political situation. Yeltsin: had no relationship...!

has no interest in delving deeper.

many other leaders. Aggravation of resistance.

Unstable base. A "Talking down idols."

Political implications.

Source: all data as per open

Steinbock - sympathetic to not causing history.

"We need to know what did happen"

It "we" is U.S.

Peter - while Yeltsin admitted to RW... not necessarily Soudak.
:(did he copy plea).

Bolshakov. 4/79. Existence of 19th Containment. Surrounded by secrecy. Never discussed in town.

best viral inf. influenza.
vaccines, ... non-mil.

April. official press. Bugasov. "bad meat" This version is satisfied local residents. Naive in microbiology. Biologists were skeptical. Can't be unique or forever new. : east boggy with "bad meat".

: ~~Notepad~~ - connected with ceramic plant. Uses clays for facience.... Maybe contaminated. : perhaps mutants.

Active discussion of a driver who transported clay.

#32 - Reserve training. 1 officer. (mathematician) No one else.

: still ambiguous, not clear. His institute. many colleagues at #19. Why no leaks.

: could ~~be~~ establish study. 19 is still secret.... I thought it had been word.

Petrov - animal?

B - wild. no. Nearby - rodent capture station, birds. Leava - fed on animal wastes.

!! yes - sword of Damocles. Need for study. Open ended.

B It happened and is gone. No residue left. Other pollutants. Election - new brought up as an issue.

Sci. community is interested that section of AN. Need small steps.

Sundevichiev.

- Eradication near impossible.

Peters. moral argument. "Visions of the future".

review with DA.

Balshakov: Biodiversity. Multi-faceted program.

Ivanov (@ Biol - MSU.) - "Biocentrism"; "Homocentrism".

Rodionov - police receptor

- Peters. History. Much is not known. : Runs no more.
Balshakov - is a native, responsible for ecology - in this region.
"Objective bystander". Could our group influence military. History: should not repeat mistakes.

US wanted EW + BW to be renewed.

Kursevich concentrated on EW only for

Sandy - committee it is called EW + BW.
it has such a group. [is Geneva]
Ignatieff, Oleg

current time is awkward. Conflict with other meetings

Verification system.

Rollins. BS - bot toxin in E. coli fibrils. □ not in oceans.

□ to Ivanov - your colleagues were studying cobra toxin
: First I heard of it.

• bi vs multilateral.

Sandy: - careful control over hazardous organisms.

Peters - Epidemiology is (still?) secret. Could be ameliorated by world gov

Sandy: Monitoring needs deeper analysis. : studied strain variations.
Canal in Mongolia Hsp + North America - "restricted" vaccines
Hep A - can't differentiate. Resp....
: how plan to monitor....
Int'l. organizations could use previous industry facilities

Petrov.

Fundamental research. ~ most modern institutions

Physico-chemical biology (mol. biol.)

Not a conversion issue; but withdrawal of military funds.

(Looking for grants). Hope for more recognition for bio.

Eligible for existing programs in Russia + abroad.

Institutes who worked directly with dangerous organisms.

More support for med. even if not directly involved in weapons.

Orphaned. Greatest needs. Not thought to go to weapons "Biopreparat".

Military - delivery systems. Beyond "biology". Probably find other applications. No expertise here.

Stress (2).

Warner. re 2. Govt. is organizing "federal centres". EG Kuchelator.

⑤ Financing MoD down to 5%. Conversion ceased in 1989. All had collapsed. Commission. Yeltsin: working until 1992; but

no site Obdymorsk - specific info
Nov. Koltovo viral 3000 staff genetic variation...
Not weapons, no sterilize; evaluation of agents.

: Joint international program for study of esp. dangerous diseases.
Facilities adequate for production:

+ There is a law. Kuchelator paper. No funds.

Seeking contacts with foreign firms. No local experience in
marketing. Russian & low standard.

Foreign firms: would need major restructuring for JSCP.

Meech: more interested in S.P.

? looking for govt. guarantees

! Embassy: black list.

Feasibility studies. Internal management.

1/2 budget based on products. Diagnostic hep. B.C. ... 35%.
not very profitable.
miscellaneous infusion products
herbals

o Mark etc. understand world market. Not Russian market.
3rd world production (Russian-German cooperation).

Good coop'n with Atlanta, e.g. on smallpox
with - human volunteers. (clinical studies)
chicken strains
aerosol.

⑤ use for ecology. E.G. Dugs for oil cleanup.

Federal program: "env. safety of Russia" - Khabarovsk safety.
⑥ "rule" - appl to vaccines, etc....
(soft vs. hard currency).
what we possess: facilities; specialists; not workers.
what we need: equipment.

① ~~Principal issues~~. So ~~delays~~ are an issue: but ~~the~~ ~~ratio~~

Robbin's - ~~glycerol~~, drilling mud
□ - low margins.

.... concrete plan for Bioprepared to deal with "dangerous diseases"
(emergent infectious) for global health.

② Hierarchy of power structures. $\left\{ \begin{array}{l} - \text{missiles - nuclear} \\ - \text{chemists - gobbled by Knesset} \\ - \text{biologists} \end{array} \right.$
conversion money

① Planning joint activities

② Verification standards. Bilateral

③ Smallpox. Don't rush to destruction.
more thought to further comparative studies.
Internationalization of oversight.

④ CBM's

⑤ Conversion questions.
A.
B.

⑥ Mil.-mil. exchanges

5/29/93

Sandakhtiev, referred to Pacclevich, ^{"in N.Y."} Albulko, —
(Dir 3d Directorate) as defectors who told on.
[problem no?]

△ just as well for them that this is blown. We can now
move forward.

A gift tie — AH СССР. where can I possibly
wear it?