Treaty Structure that has contained Cold War 1961-1988 may be recasting. My interest - 15 years. Account to Brand substantive time.

U2 Cockwits Mustard gas in 1917-18 major part of the (non-lethal) casualties of 1918.

A few factors - non-systematic - in BW by Ingenio.Romasz '

World reaction in Disarmament (with German post Versailles mora - restriction mutual determinism)

(French resolution) - German protocol 1825

Mutual determinism succeeded through stresses of WW2 despite a) German development of nerve gas b) US/British investment in bacteriology as well as chemicals weapons - Fort Detrick since 1843.

Post WW2 - Reverses captured German nerve gas stocks & technology. Very little solid info, except in coldly citing bug.

c. 1970 - New movement to strengthen arms control in C+BW... →

1972 CUS notify German protocol - Formral engagement
U.S. desanied - destroyed substantial stores piles
published a great deal of what was
done at Ft. Otrick.

dismantled its military BSD... greatly damaged by...
Since then, discussions on CW decontamination have become problematic due to verification problems. New US initiatives:
1) Declaration and destruction of stocks and facilities - 10 years.
2) onsite monitoring of declared sites
3) Short notice initial inspection all military or ground facilities
? commercial - SoS already complained
? new CW mil. sites - e.g. stealth factories?
? What is an "inspect"?

A step would be monitored destruction of some fixed quantities.

Meanwhile in absence of treaty, deterrent posture has been locked in, starting about 3 years ago.
Stockpile delay - big demand problem.
Largely removable a/c transport & decontamination except for some general wars.

Defense equipment & technology was in dry storage.

Restoration - in 3 or 4 years most of our forces will have reasonable gas masks & protective clothing.
Reduces temptation of a "first strike".

Binary modernization of CW deterrent.
Do D will now accept a 1:1 substitution.
Yellow rain was practiced in Laos, Cambodia, Afghanistan.

Advisers posit that Soviet Union has supplied the material indubitable for Afghanistan. Probably a variety of chemicals tried, really don't know what they are. No reliable samples have come out.

Second problem:
1) Soviet role
2) Nature of the weapons

1) Evidence based on intelligence sources that we not publicly revealed. I don't doubt sincerity of beliefs, but such closely compartmentalized information intrinsically does not get internal cross check. Very limited technical talent in govt on these matters. I can't form a conclusion judgment.

2) Yellow rain - myotoxin. Certainly some samples are bad deposits. Myotoxin doesn't make too much sense. Many refugee reports of lethal attacks. I don't doubt

Irak. - called under Biak Treaty
No greater threat to us than nerve gas. <

1945. 1973

mustard, nerve gas, not myotoxin.
Really want to talk about BW.

**Definition:** US vs. UK

**Treaty:** Disarmament vs. Mutual Deterrence w.

Potential for spread!

BW agents could be tailored by modern biology to be more controllable. I'm just going to tell you how to do that.

Over a 10-15 year period the removed Soviet R+D in applying genetic engineering could be a formidable threat.

Hard to monitor, define R+D. No setting of destructor. They probably think as ill of us as we must of them.

Hazards

1) Terrorism. Small states. spread to US.
2) Accidental or accidental.
3) Clandestine war. Espionage.
4) venue plus destructor
5) Backlash on authenticity of biomedical research, pose some humans
6) Threat to interests of microbiologists like Cold War. Contra-intel cooperation, etc.
We don't want to live in a BW world!

We love neutral, but the USSR

They will not win a "bioterror" race; though they may be less restricted in testing than we are.

Their race may be with China: they test with nuclear weapons.

(Disappointing) "Low tech"

No magic answers. Find some platforms of communication with their scientists, capable of sensing leaks issues. Some joint steps through CRSA -- perhaps private enterprises. Try to get more openness.

Enhance our intelligence so we can better assess what is going on.

Develop her defense capability -- grid defense. Octopus, ventilation systems: best security.

Not talk too much about how easy a first attack would be.

Will be very hard to respond to terrorist attacks. Certainly don't need BW to retaliate. Do need a firm framework with ILC's enforcement of existing treaty. Better close contact with Allies! -- not easy.