SIMON FRA SPRING (Octobe

> Conva By Dr. C.

Celebratedecologist, renowned for

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Sixty ye sin the sam time I gc me six or e myself:t derstand pp simple r Funny exattention some puzzl gradually opened the world to m new teritory that had been creat

I had a particularly overarching precision, realism ad holism, ar were notquite available, they ca different organism sto answer di deer mice, birds, staking lions i some of these questins concern

Then when the computer came a computer languages, suddenly s what I have been discovering exeventually to the point where we understading that systems don'indeed, that's the way the world And what's more important than

Understanding those has become more and morenetvidVe could have predicted for example, the cod collapse off Newfoundland some decardesbefore it occurred and had done something about it. And yet it occurred and destroyed a hanged dramatical the social and economic livelihood of communities in Newfoundland.

A similar example of reaching a critical disspoint has been the Lodgepole pine beetle outbreaks in this part of the **wd** and throughout British Columbia and even into Alberta. The same sudden appearance of a surprise, an unexpectent, the roots of both those surprises, both those crises, are tradectown phenomenon occurring unconsciously and unaware.

You and we have a great ability to deal withst events, immediatevents. We are less visionary in dealing with thoseoul events that accumulate, that consequences of our fast actions. But it's those slow events that invisibiliterease the fragility, those of resilience of the systems we live in and depend upon. It's forced w paradigm, a new paradigm that's led to these theories of resilience, to adaptive completems, to integration across scales from the mouths of rivers on the west colarer right up to the arctic, frothe small and fast to the slow and the big, from needles on trees functioning olarys and months to the whole boreal forest over millennia and to management of resourcesist hadaptive. That's all part of complex adaptive systems theory. It reflects humanipastial knowledge and the fast inventions that deal with these and genate these surprises.

We are now living in a time when those surps; sænd those collapses, have emerged on a global scale. They have been the financial collapsed spses in banks, the sethe deep structural

Africa, in Europe and other parts of Canada tamedUS as a collegium of global experimentation driven by the enterprise of young people like youldary of those experimets will fail, that's what experiments are about: you learn when sointentails. But a few will succeed. You need them to search for those few successes the symmetrize between them, to propagate a new phase in our world.

As we begin to accumulate the results of the paperiments, already ongoing, we've got to begin to encourage non-violent protest's those protests that in ownorld that really started, I think with the Arab spring, that are emerging now in Occupy Wall Street movement. I'm told that on Saturday here in Vancouver an arm of phratest movement, non-violent but articulate, is emerging at the Woodward's building, 120:00 am. 10am at the Woodward building in Vancouver there will be a general assembly uiet—no—noisy, non-violent protestors. If you have any chance of doing so, go there and contributheat expression and athvoice. Make it a big Arab Spring. Open a new world!

Thank you very much.