Prelim Bits 21-03-2017

Monpa

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- Monpas live in the Indian state of Arunachal Pradesh, centered in Tawang and West Kameng districts.
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- Some also live in the Tibet Autonomous Region.
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- They are believed to be the only nomadic tribe in Northeast India, viz., they were totally depended on animals like sheep, cow, yak, goats and horses and had no permanent settlement.
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- They are generally adherents of the Tibetan Buddhism and are well known for Thangka paintings.
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- Tawang is claimed by India, People's Republic of China and the Republic of China (Taiwan)
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Living Rivers

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- Uttarakhand High Court declared that the rivers Ganga, Yamuna and all their tributaries and streamsare “living persons.”
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- Earlier New Zealand riverWhanganui became the first in the world to be granted a legal human status.
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- It is given the recognition to protect the recognition and the faith of society.
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- The court ordered that the Director of the NamamiGange programme, the

Uttarakhand Chief Secretary, and the Advocate-General of Uttarakhand would serve as “parents” for the rivers to “protect, conserve and preserve”.
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\n## Law Commission

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- Law Commission of India is an executive body established by an order of the Government of India.
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- Its major function is to work for legal reform.
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- Its primarily comprises legal experts established for a fixed tenure.
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- It works as an advisory body to the Ministry of Law and Justice.
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Time Crystals

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- The idea of time crystals was first proposed by Nobel-Prize winning theoretical physicist Frank Wilczek in 2012.
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- Time crystals are unique in that they **exhibit movement even when in their lowest energy or "ground" state.**
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- They can never reach equilibrium, otherwise known as non-equilibrium matter.
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- What this seems to mean is that these crystals **possess innate energy** despite being mostly inert, which is anomalous for anything.
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- The reason these crystals are called "time crystals" is because their **unique features shouldn't change over time,** and thus will possess an innate ability of movement forever.
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- It isn’t yet clear what exactly time crystals will be used for, but some have proposed the use of non-equilibrium matter to **revolutionize quantum computing.**
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