Observations of the Impact of Smart Meter Radiation on Fauna in an Organic Vegetable Field

Summary (from 25 pages of notes written in 2019)

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During the winter of 2018-2019, analog electricity meters were swapped out for seven digital meters facing an organic vegetable field in Inokashira, Fujinomiya City, Shizuoka Prefecture.

The author and her husband had been living in the area since 2001 and cultivating the field for most of that time. The smart meter installation coincided with a devastating loss of biodiversity that had no other explanation and was particularly notable in pollinators and birds.

The first sign of trouble was the loss of about 10 black-eared kites (*Milvus migrans*) that had inhabited the area around the vegetable field. In late April, they formed a kettle, as if for migration, and flew away. In May, my husband noticed that there were no bees in the field. I became suspicious that smart meters had been installed. I quickly confirmed the presence of seven meters facing the field at close range (1-10 meters from edge of field). My husband tried hand-pollinating the watermelons, but got very poor results.

The kites never returned. Crows (*Corvus corone*) likewise disappeared and never returned. Their voices still could be heard at a distance. Other birds also stopped inhabiting the field, with the exception of barn swallows (*Hirundo rustica*), who were nesting on the opposite side of the houses and would fly over the field.

The field formerly had multitudes of bees and flower flies. Cabbage butterflies (*Pieris rapae*) had been an abundant pest, requiring the use of nets over brassica plants. In the summer of 2019, not even exposed brassicas attracted cabbage butterflies. A paper wasp (*Polistes jokahamae*) nest about 15 meters from the nearest smart meter inside our greenhouse grew to about 20 hatched adults, very weak when discovered, and then dying out. Several hornet species had been raiding our blueberries every year, requiring direct action to control. They would try to nest in the greenhouse, and we made one exception for pesticide use in those cases. In 2019 a few hornets arrived one week, and then disappeared entirely. Rotting watermelons left about 10 meters away from one smart meter attracted no insects aside from a few very small flies. A rotting watermelon left next to a short concrete wall that shielded the watermelon from three smart meters about 20 m away attracted yellow hornets, rhinoceros beetles and

butterflies.

Cats had also frequented our vegetable field, but disappeared almost entirely from the town in 2019, leading to rumors of poisoning.

The numbers of one snail species (possibly *Euhadra quaesita*) exploded, possibly due to lack of predation. Green tree frogs (*Dryophytes japonicus*) also seemed to fare well. Notably, these are well-grounded creatures and tend to conceal themselves.

The situation in a vegetable field being worked by a friend west of town with 4G radiation but no direct radiation from smart meters showed no major changes, aside from bees reportedly arriving a little later than usual.

Notes on Experience with a Smart Meter in a Social Setting

In May or June 2019, I began feeling quite ill at the Fuji-kyo *gyoba* (the worship hall for a Shugendo mountain creed sect) in a forested valley west of town far from the cell towers, which until then had been a very good environment. I had faintness, chest pains and tingling fingers. I had felt fine in April, and except for other people's phones, I did well there, but suddenly I started feeling terrible, especially in the kitchen and when sitting at the drum on the right side of the room near a power outlet. I checked and found a TEPCO smart meter on the north side of the building.

In August, I felt okay, but minimized my time there.

In September, I felt too sick to continue the service sitting at the drum. I went outside for a moment and then sat in the dining room (south side of building) for the rest of the ceremony. Then I apologized and left.

I wondered if the radiowaves would not penetrate the forest in that valley very easily, so they'd set the power very strong, or if where I was seated at the drum with the wall wiring next to me was particularly bad (5 m away from the smart meter). It may have been that it was transmitting over the power line, and thus broadcasting to every room, including the separate guesthouse. I could not wear my veil during services, so I feared I would have to stop participating. I subsequently requested a change of position away from internal wiring, and was able to continue participating. However, if I stay overnight in the buildings I still have issues with insomnia (I sleep in the car) and with blood pressure if I try to stay too long even in the guesthouse, which is located far away from the smart meter but shares the electric circuit.