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Te Waha Nui, August 18 2006 13

Plague, pest or pet? The Rattus is here to stay

Big, bad cities are commonly associated with large populations of rats, running amuck and causing chaos. *Karen Tay* has been investigating, and it seems Auckland is no exception.

rf you squirm at the word "rat". cringe at rodent images on televi-L sion or scream when your family cat brings home a furry creature the size of a puppy in its mouth, the following story may offend.

Sewer rats are an endemic pest management problem in central Auckland, costing some businesses thousands of dollars a vear in rodent control.

Rodent control of an inner-city building can cost anywhere between \$1000 to \$5000 and 95 per cent of buildings in town have some kind of programme in place, says Peter Torrice, a pest control officer for Total Pest Management.

The company has a number of ongoing contracts for buildings and blocks of shops in the city, most of them backing onto parks or garden areas with rub-

"If they get into buildings, and it's very common, they can cause damage. There have been power outages in buildings because they've gone through a main cable," Torrice says. He says rats chew cables to keep the

enamel on their teeth down, otherwise they develop "buck teeth". They also like living in meshes of cables and wires to keep warm and comfortable. Rats also live in drains around the

city, hence the nickname "sewer rat", and from there have even been known to come up toilets. "It's very rare that they come out of

toilet bowls but it does happen because they are prolific swimmers," Torrice The Norway or brown rat is well

suited to the city lifestyle as it lives off garbage and is a great burrower, he

Norway rats are easy to get rid of but re-infestation is common because shops are built close together and it only takes one rat to affect the whole block.

Pest control officers use baits or traps to get rid of existing rodents, but they also take preventative measures such as filling in holes and putting weather strips on doors and windows. "Modern buildings are in their archi-

tecture rat-proof, but you generally find rats in the older buildings. "It's the gardens. People throw stuff

out of windows and you find rats at collection points for rubbish," Torrice says. pany Computer World.

Rats are attracted to telecommunications cables by electronic pulses, says Telecom spokesperson Sarah Berry. Although the company has pest control programmes, rats still manage to get through sometimes, she says.

Apart from the cost of pest control food and water are significant risks associated with rat-infested dwellings

A health protection officer for Auckland Regional Public Health Service says rats have a similar body temperature to humans, so can pose a "significant threat" to public health.

Rodents can carry diseases such as salmonella and can also pass on an infection known as Leptospirosis or Weil's disease

Humans living in rat-infested areas can contract the disease, a potentially fatal bacterial infection, from inadverurine is excreted in sewers and mixed with sewer water, contact with the resulting puddle could spread the bug through a minor cut or wound.

off with common cold or flu symptons, so can progress to its latter stages before being detected.

from rats is rare in New Zealand and disease from cattle or sheep.

carried into private dwellings are more health. Rats act as "accidental vectors" for a number of diseases such as salmonella and giardia, Dr Thornley says. These diseases are carried in a rat's gut and when excreted, can transfer the illness to a human subject.

Rat-bite fever or Streptobacillus moniliformis is an infection that can develop after being bitten or scratched

it can be infected in the same way as a

To reduce the public health risk, the Auckland Regional Public Health In June 2005, rodent damage to Service participates in a global procables in the Rimutaka area caused a gramme that requires incoming ships nationwide power outage, says IT com- to carry a certificate to show they are be rodents."

programmes, rats can also wreak havoc with your health. Contamination of

tent contact with rat urine. When the

An attack of Weil's disease can start

However, Dr Craig Thornley, of the Auckland Regional Public Health Service, says contracting Leptospirosis numans are more likely to catch the

Graham Marchant, parks officer for

Auckland central, says some areas of

the city are more of a problem than oth-

ers. For instance, areas near large bod-

ies of water have a greater problem

care of rat problems on private proper-

ties and businesses, people can remain

safe from rats if they take precautions,

such as sealing cracks and gaps in

walls, windows and doors. Businesses

should adopt preventative pest man-

agement programmes, especially if

Torrice says rats are prolific breeders

and here to stay – so city dwellers need

have these things as mates," he says.

"As long- as we're on the planet, we'll

"Anywhere you go, there's bound to

Despite pest control measures,

their business is near a park.

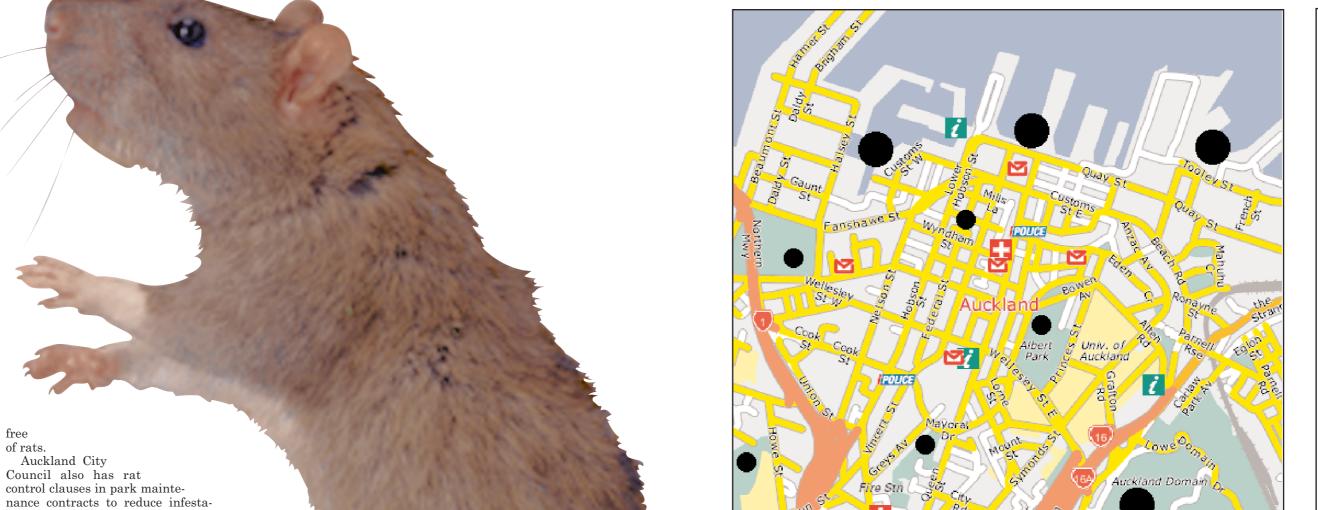
to get used to the fact.

Although the council does not take

with rat control, Marchant says.

Diseases borne by a rat's feet and common and a greater threat to public

"If you get a rat bite, there's a chance dog bite," says Dr Thornley.



DANGER ZONE: Total Pest Management says that rats are most likely to live in the areas indicated by the black dots.

A brief history

Rats have been around for 14 million years.

Thought to have originated from South East Asia, they arrived by ship in Europe and spread quickly.

They are prolific breeders, one pair of rats can produce up to 15,000 young, meaning that they are nearly impossible to control.

The brown rat(rattus norvegicus) is one of most common rat types.

The brown rat is a popular pet and is also used for scientific experiments. The black rat is best known for its role in helping to spread the bubonic plague.

The plague, which still occurs today, has killed approximately 75 million people since AD 541.

Rats create havoc for farmers, gnawing through crops and contaminating stockpiled grain. Because they breed so quickly, a small infestation can develop into a large scale problem in a very short

Thriving in substandard conditions, and with their agile, athletic frame, rats are a world-wide problem. Laura Wallace

Day in the Life of a Rat

Species: Norway Rat (Rattus norvegicus) ers, came across some telephone lines and aka sewer rat, brown rat Age: 6 months

Hobbies: Chewing, burrowing, mating,

7pm: Climbed on a boat, which is pretty hard lifetime. for me, my cousins Rattus rattus are much 12am: We headed back into town for more better climbers.

7.30pm: We found some food supplies in the few of our brothers so we are mating more hull, but it was mostly peaches, raw beets than usual to get our numbers up. and raw celery. These are my least favourite 3am: A huge fight broke out, a lot of the

beautiful, inlcuded some eggs and species so it's no biggy. Albert Park. where..

10pm: As we ran up some tunnels and sewpower lines. We starting chewing into them as it keeps our teeth sharp, but half our group three years so it's no big deal.

eating, swimming, sniffing, and more mating. **11pm**. We meet up with some ladies in the park. After a moments romance we mated. I **6pm**: Went for a swim in the harbour to catch think it will be Jane's fifth litter this year. I've heard of some females having 15,000 in her

mating. The rat exterminators have killed a

food so we dived back into the harbour. lower-ranked rats were killed. This isn't so 9pm: The garbage outside Wildlife was good, but hey, we're almost an invincible

lots of cheese. After eating our 5am: Settling in for a nap, but I'll keep my fill we headed for wits about me, exterminators are every-

— Justin Latif



SIGN OF THE TIMES: A notice in the Auckland Domain highlighting the rat problem.