



exaggerated, story resonated with feelings that cities were becoming impersonal and dangerous.

edit this p Kitty Genovese om Wikipedia, the free encycloped ine Susan Genovese (July 7. WIKIPEDIA 1935 March 13, 1964), common rown as Kitty Genovese, was a New York City woman who was stabbed to death near her home in the Kew Gard · Contents section of Queens, New York.⁽¹⁾ Featured cont Current event Genovese was buried in a family grave a Lakeview Cemetery in New Canaan. Random articl The circumstances of her murder and the supposed lack of reaction of numerous Go Search neighbors were reported by a newspape article published two weeks later; the non portrayal of neighbors being About Wikipedia ully aware, but completely Community porta prresponsive has later been oriticize Recent changes Contact Wikipe as inaccurate. Nonetheless, it prompted Donate to Wiki rivestigation into the social psychological

benomenon that has become known as



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Crowding and social pathology Urban crime, street gangs, violence John Calhoun - "rat barrel" experiments



Fig. 1. Schematic diagram of CALHOUN's experiment (rats not to scale!). Each 'burrow' contains five nest boxes connected by an internal tunnel; while all burrows were elevated above the floor, those in Pens 3 and 4 were raised higher (the less-preferred condition). Both food and water were available ad lib in each pen. Actual room dimensions $10 \times 14 \times 9$ feet; heights of burrows not given in CALHOUN (1962a).

Population grew, saw infanticide, cannibalism, homosexuality; miasma -- just like cities [sic]. "Calhoun's rat barrel experiments" some of most widely known behavioral research, for decades.

Clear policy implications: many bad (to many people, then) things were due to environmental conditions and so in principle fixable.

Sugiyama at Dharwar (1964)



Experiment: shot resident male; infanticide by replacement.



Infanticide not uncommon



Green: Sugiyama (1964)

Yellow: Jay & students

Red: Hrdy & colleagues

Major puzzle.



Hrdy ~ 1970 to India to see if Calhoun paradigm could explain Sugiyama's observations. Was it crowding?





single-male troops -- and infanticide



Other curvilinear relationships between aggression and environmental variables?

Figure 9.8 Energetic costs of Hawaiian horescreeps (*Fatara accurate*) as a function of the number of flowers in their foraging area. The model predicts that the honescreepers will be territorial at the intermediate flower (and lood) demission enclosed by the dashed lines. Triangles = territorial hirds, while circles = monterritorial birds, black circles = aggressive but nonterritorial birds, black care fitted to cyce. (Modified from Carpenter and MacNillen, 1976, copyright 1976 by the American Association for the Advancement of Science.)

Economic defendability models, where currency includes energy gain/loss injury risk, etc.

Primate behavioral ecology as an economic problem



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The bad stuff was mostly in pens 1-3; pen 4 was *defendable* (raised burrow [disliked, reducing incentive to invade], and only one entry point). Even details of *the* classic 'pathology' case fit behavioral models.

Goodbye colobines, hello cercopithecines!





Climate change then, climate change now. What is different this time?

Masked Monkeys



Were there ever <u>no</u> forests? No; ? What monkeys were there when re-colonization happened, is ??

Watch harassing kid. Monkeys What does s/he grab?



What just happened here? Yes, feeding and aggression... can you work out what sort of food they were eating?

Masked Monkeys

Skip past colobines (so many monkeys, so



For mandrills, intensity of color correlates with testosterone, dominant males brighter, and females prefer bright color (with rank controlled for).

Masked Monkeys