

Cães e gatos

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Origem e domesticação

- A domesticação do gato aconteceu no Egito Antigo, cerca de 2000 AC
 - Considerado uma manifestação da deusa Bastet pelos Egípcios.
 - Muito úteis para controlar pragas, protegendo a importante produção agrícola dos Egípcios.
 - Se espalharam pela região do Mediterrâneo
 - Levados para a Escandinávia pelos Vikings
 - Na Inglaterra Medieval eram considerados companheiros das bruxas.



Comportamento social

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JPS

- Os gatos apresentam flexibilidade no comportamento social: podem ser solitários ou viverem em grupos muito populosos.
- A variação na densidade pode ser de <1 a 2000 gatos/Km².
- Fêmeas e as ninhadas formam a estrutura central dos agrupamentos sociais.
 - Eles se transformam em territoriais: fêmeas "centrais" e fêmeas "marginais".

Comportamento social

- Os machos também podem ser classificados como "centrais" ou "marginais".
- Quando a densidade populacional é baixa o comportamento territorial não é muito evidente.
- Castração, com o retorno dos animais ao mesmo ambiente tem provado mais eficiente do que eutanásia para controle da população feral.



Comunicação visual- Gatos

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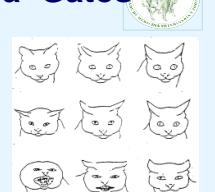
JPS

Leyhausen, 1982

- Os gatos podem utilizar muitas formas comportamentais para expressar o seu estado motivacional, utilizando "todo o corpo".

Comunicação acústica- Gatos

- Agressão (Mildred Moelk, 1994)
 - Rosnar
 - Uivar
 - Rosnar (fechando a boca de forma gradual)
- Defesa
 - Associo & Cuspir
- Motivação para contato e "saudação"
 - Purr
 - Miau



Leyhausen, 1982

Comunicação

Olfatória

- Os gatos podem urinar como spray ou normal. As duas formas implicam em trocas de informação.
- Em uma alta densidade populacional apenas os machos dominantes urinam como spray.
- Glândulas da pele (unha, queixo, flanco ou cauda esfregando), saliva, pode também funcionar como marcação olfatória - mais comum nos machos inteiros e fêmeas em cio.



Comportamento de predação

- A seqüência predatória = perseguição ou emboscada, captura, abate.
- Quando caçam aves eles podem perseguir, aproximar-se lentamente e terminado por um galope rápido ou saltam para capturar a presa.
- Se o gato não está com fome ele pode deixar escapar presa
- O comportamento de "brincar" com o animal capturado foi descrito como mais estimulação por movimento da presa



Reproductive Behavior

- Fêmeas são sazonalmente polioestrous
Eles podem mostrar o cio em intervalos de algumas semanas.
- Períodos de cio são frequentemente sincronizadas entre as fêmeas que vivem juntas.
- A ovulação é induzida após várias cópulas (15-20 / dia ao longo de um período de 4 a 5 dias).



Reproductive Behavior

- Escolha de parceiro pode mudar de acordo com a proximidade da ovulação.
- A familiaridade parece desempenhar algum papel na escolha de parceiro.
- Longo namoro e cópula muito rápida.



Comportamento reprodutivo

- O gato selvagem Africano é monógamo.
- Cuidado comunal dos filhotes pode acontecer
- Machos relacionados tem algum papel no cuidado dos filhotes
- Aprendizado de caçar é praticado com animais vivos trazidos pelas mães.



Comportamento materno

- Durante os primeiros dias a fêmea fica com os filhotes
- Os filhotes podem amamentar 30% do tempo nas primeiras 24 horas
- Gatas deixa os gatinhos para intervalos mais longos à medida que eles crescem



Desenvolvimento comportamental

- O ambiente uterino durante o período pré-natal pode afetar o desenvolvimento comportamental
- O canal auditivo abre aos 5 dias e os olhos em média aos 9 dias (intervalo 2-16 dias)
Como em cães-socialização precoce é muito importante (3-10 semanas de idade)



Interações

- Humanos e gatos podem formar ligações
- As interações são relações recíprocas e dinâmicas
- Os participantes do vínculo pode influenciar-se mutuamente



Benefícios

- A redução da pressão arterial, e os fatores de risco reduzido associado com a doenças cardíacas
- Estado psicológicos
- Diminuição dos hormônios associados ao estresse
- Comunicação e memória



Problemas comportamentais

- Arranhar móveis
- Pode ser reforçado pelos proprietários
- Urinar fora da caixa é um dos problemas mais importantes
- Respostas de medo também foram relatadas



Problemas comportamentais

- Muitas vezes comportamentos problemáticos são comportamentos normais gato, que são indesejáveis para os seus proprietários (arranhar, perseguir presas, marcação com urina)
- Os proprietários e os veterinários devem compreender e aceitar a natureza básica do gato



Problemas comportamentais

- Alguns problemas de comportamento surgem como resultado do proprietário ou do ambiente doméstico
- Inconsistente recompensas e punições
- Recompensas e punições inoportuna
- Ambientes sociais ou físicas inadequadas estimulação inadequada
- Raça inadequada para a situação





Companion Animal Behavior: Dogs and Cats

Adroaldo J. Zanella, with material supplied by Janice Siegfried



Origin & Domestication

- The origin of the dog has been a subject of considerable debate.
 - Did dogs descend from the golden jackal or the wolf?
 - Were dogs domesticated once or multiple times?
 - Did humans domesticate dogs or did dog ancestors take advantage of humans?
 - How long ago did dogs and their wild ancestor diverge?



Origin & Domestication

- Recent genetic evidence suggests that dogs arose from wolves in East Asia then diverged.
 - Vila et al., 1997; Savolainen et al., 2002
- Dogs may have become distinct from wolves as early as 135,000 years ago.
 - Skeletal evidence of dogs exists from 12,000 (Israel) and 14,000 years ago (Germany).



Origin & Domestication

- Dogs likely began as wolves who were highly successful scavengers that took advantage of human refuse.
 - Coppinger & Coppinger, 2001
 - Wolves born with less fear of humans thrived in these situations, gradually becoming dogs.
 - Records of modern-looking dogs living with humans appear 3,000-4,000 years ago.



Social Behavior

- Social behavior of dogs largely resembles that of wolves
- Feral dogs live in packs of varying sizes
 - Reproduce 1-2x year
 - Social groups with a dominant male and female



Communication



Communication

- Relaxed dogs have relaxed bodies
 - Especially eyes, ears, and lips
 - Tail level or slightly up, can be wagging



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Communication

■ Visual

- Body posture and facial expression are primary ways dogs communicate with each other
- Posture, tail position, ear position, lips, degree of eye opening and hardness of eye are key elements



Communication

- Signs of fear or distress
 - Dilated pupils, look away
 - Whites of eyes visible
 - Drooling
 - Tense muscles
 - Tail tucked
 - Ears flattened and back
 - Tight lips
 - Curved back

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Communication

■ Alert dog

- Pricked ears
- Tail up
- Body compact and ready to move
- Attention focused on object



Communication

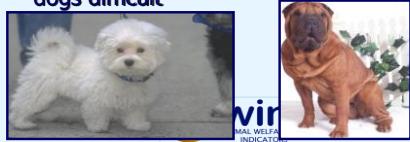
- Signs of aggression
 - Piloerection
 - Staring
 - Forward lean
 - Tail up
 - Jaw closed and locked
 - Lips tight and back



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Communication

- And sometimes you just can't tell
 - This can make communication between dogs and humans difficult
 - It can also make communication between dogs difficult



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Communication



"So! Planning on roaming the neighborhood with some of your buddies today?"



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Communication

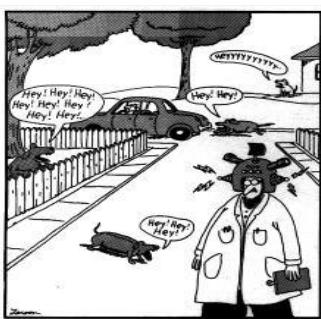
- Olfactory

- Dogs have a highly developed sense of smell which they use for communication as well as predation
- Urine, feces, and footpad secretions provide information on territory, reproductive status, and recency of visits of dogs in an area
- Glands in the face, tail, and anal region provide information between dogs

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Communication



Donning his new canine decoder, Professor Schwartzman becomes the first human being on Earth to hear what barking dogs are actually saying.



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Communication

- Auditory

- Barks, growls, yips, whines, howls, and 'talking'
- Dogs bark much more often and in a greater variety of contexts than wolves
- Much of the meaning of a vocal signal depends on context

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Predatory Behavior

- The predatory sequence = chase, catch, kill
 - Is generally triggered by a running animal
 - Has been abbreviated in various dog breeds
 - Sheep herding dogs have a very strong chase component but do not usually proceed to catch or kill
 - Bird dogs may have chase and catch but no kill
 - Rat and Parsons Russell terriers have the full sequence



Predatory Behavior

- Dogs have been bred to hunt or bring to bay prey of all sizes
 - Dogs that hunt large prey tend to work in packs and are highly social with other dogs
 - Dogs that hunt small prey tend to work alone
- Different breeds may rely more heavily on either sight or smell
 - e.g., beagles follow their noses and Borzoi their eyes



Reproductive Behavior

- Females generally cycle 2x a year
 - More primitive breeds (e.g., Basenji) only have one heat/year
 - Heat periods are often synchronized among females living together
- Courtship behavior consists of play fighting and licking of ears and genitals



Reproductive Behavior

- Females stand still and hold their tails to one side to indicate readiness to mate
- Females do display preference and will not accept all males despite biological readiness to mate



Maternal Behavior

- Pups are born approximately 63 days after mating
 - Females attempt to nest in dark places several days prior to parturition
 - As each pup is born the mother licks it clean, severs the umbilical cord, and eats the placenta



Maternal Behavior

- During the first days the mother stays with the pups
 - Pups may nurse 30% of the time
 - The dam licks them to stimulate excretion, which she swallows to keep the nest clean
- The dam leaves the pups for longer intervals as they grow
 - At 5 weeks she starts to discourage them from nursing



Development of Behavior



- The uterine environment during the prenatal period may affect behavioral development
 - Mothers that experience stress during pregnancy may have pups that are more emotional, reactive and fearful later in life
 - These pups have very active stress responses



Development of Behavior

- Neonatal period (0-14 days)**
 - Pups are born blind and deaf and completely dependent on their dams
 - Nursing, sleep and excretion are dominant behaviors
 - Pups do react to touch and smell
 - Pups start crawling and will whine, squeal and yelp
 - Handling of pups at this stage may help them withstand stress later in life



Development of Behavior



- Transition period (14-21 days)
 - Adult behavior patterns start to appear
 - Eyes open ~13 days, ears open ~18-20 days
 - Puppies begin orienting, crawling backwards & walking
 - Play fighting & tail wagging start and vocal repertoire increases
 - Teeth begin to appear ~3 weeks along with biting and chewing



Development of Behavior

- Socialization period (3-10 weeks)
 - Learning abilities of pups are well-developed
 - Pups show playful forms of adult behavior patterns
 - Pups respond to distant sights and sounds
 - The first signs of fear appear
 - Pups leave the nest to urinate and defecate
 - The first signs of agonistic behavior appear, including aggressive attack



Development of Behavior



- Socialization period (3-10 weeks)
 - Pups are sensitive to different stimuli and benefit from a broad range of experience
 - Pups bond with each other, mother, and humans
 - Social contact with humans is extremely important at this time to avoid later fear of humans
 - Contact-seeking behavior increases in weeks 3-5.
 - Fear increases after 5 weeks and causes a decline in approach behaviors



Development of Behavior

- Juvenile period (10 weeks-14 months)
 - Pups grow rapidly and are nearly full grown at 8 months
 - Milk teeth are lost at 5 months
 - Motor skills improve
 - Implications of behaviors are learned—context becomes important
 - Sexual maturation happens between 6-14 months
 - Dogs begin to display social status



Dog-Human Interactions

- People and dogs can form bonds
- These bonds are reciprocal, dynamic relationships
- The participants in the bond can influence each other
 - Physiologically
 - Psychologically
 - Physically



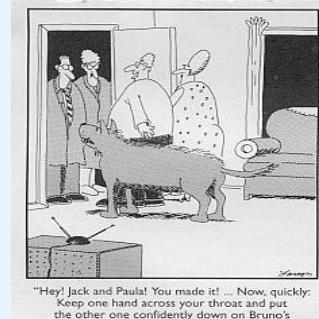
Benefits of the Bond

- Increased exercise, decreased blood pressure, and reduced risk factors associated with heart disease
- Reduced depression
- Decreased stress hormones
- Facilitates communication and memory



Behavioral Problems

- Sometimes these are true behavioral disorders
 - Obsessive compulsive disorder
- Some problems are heritable and could be reduced by breeding with attention to behavior
 - Genetic predisposition to be fearful



Behavioral Problems

- Many times problem behaviors are normal dog behaviors that are undesirable to their owners
 - Digging, barking, chasing prey, rolling in smelly things, being excited at the sight of another dog....
 - Owners, vets, trainers must understand and accept the basic nature of the dog



Behavioral Problems

- Some behavior problems arise as a result of the owner or the domestic environment
 - Inconsistent rewards and punishments
 - Badly timed rewards and punishments
 - Inadequate social or physical environments
 - Inadequate exercise
 - Inappropriate breed for the situation



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Obrigado!

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<http://www.animalwelfarehub.com>



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