Some abnormal behavior is prevented through force. Tongue-rolling cattle receive a ring in the frenulum under the tongue which causes pain, resulting in reduction of the abnormal activity. The muscles of the pharynx are severed in horses to prevent them from sucking wind. Intervention of this sort is unsatisfactory from the ethologist's point of view. It eliminates the symptom only; the cause of the aliment remains. The animal has the right to an alteration in the conditions that provoke abnormal behavior. In some cases a prevented abnormality is replaced by another. The conditions of husbandry for fattening pigs are generally so poor that cannibalism is almost unavoidable. That is why the piglet's tail is docked. Economic losses are thus prevented, but not the active animal's tendency to bite. A frequent result is that the pigs begin biting the joints, ears or vaginas of animals in neighboring stalls. In some cases the tendency to bite and root up leads to anal massage of other pigs (Fig. 2). This results in a cloudy, inflamed anus of the affected pig, which loses its appetite and does not grow in the desired manner. Economic losses still occur although abnormal behavior, namely tail biting, has been prevented. It is a mistake to believe that only the animal whose tail is bitten suffers; the active animal also suffers. 

As early as 1968 M. Fox wrote a book entitled Abnormal Behavior in Animals. In spite of this valuable and highly respected work we still know very little of the relevance of abnormal behavior to animal welfare. Animal welfare means helping suffering animals. But we can only help them if we know exactly when they are suffering. Abnormal behavior is a key to recognizing suffering in animals. We still have a long way to go before we can more closely describe and understand the significance of all abnormal behavior. We have still a longer way to go to convince producers and legislators that conditions of animal husbandry leading to immaterial suffering too must be changed.

Where to Put Your Choker

Dr. Roger A. Mugford

The choke chain has come to be regarded as an indispensable aid to training dogs, but even the most time-hallowed practices deserve an occasional critical review. The author has recently completed an investigation into the uses and abuses of choke chains, and failed to find any benefit from using a choker rather than a conventional leather collar. Indeed, there are some very considerable dangers and disadvantages associated with the device. These charges may sound heresy to many dog-trainers, but to others, it may strike a sympathetic chord.

Canine Body Language

In nature, the wolf does not adorn itself with a collar, so we must presume that the body postures and sensitivities of the dog have evolved without collars in mind. Wolves and dogs communicate by the position and hair cover on the body and tail, by facial expressions and chemical signals. They are not particularly vocal; thus their response to complex voice commands from human beings does not come easily or naturally. One can conclude therefore, that the traditions of spoken commands and tugs at the neck of a dog do not exploit the natural response tendencies of the species.

Leash Pulling

There are some very good reasons why a dog should not be allowed to walk in front of its owner; it is an expression of leadership or dominance over the owner, the dog is exposed to potential danger and the owner could get very tired arms. In practice, very many owners fail to train their dog not to pull on the leash, despite making conscientious efforts to do so. Why should this be so? Perhaps it is because the objectives of training have been wrongly stated or are misunderstood by the dog owners. 

In idealistic terms, the behavioral objective of leash-training is to teach the dog that proximity to the body or the legs of the owner is rewarding and being out in front of the owner is unrewarding. The objective should most certainly not be for the dog to learn an association between a vocal command 'HEEL' and a painful sensation to the neck, but of course that is the approach most commonly taken by many dog trainers. There is an important distinction between the two.

In practice, the proximity-training approach to stop leash pulling proceeds as follows:

a. Use a leash which is sufficiently long for the dog to pass its hindquarters beyond the feet of its owner.

b. Use a broad collar which physically stops movement of the dog forward, but without causing undue pain.

c. Command 'HEEL' while bracing the dog with its collar and moving alongside and in front of the dog.

d. Reward it with praise, food or other positive reinforcement when the dog has been passed by the owner.
The initial element of this training sequence is reward for proximity to the owner, and that is much more effective than delivering pain out in front. As is well known, pain disrupts attention and further learning.

**Choker vs. Collar**

There are two or possibly three components to the stimulus delivered by the choke chain: first, the clicking noise as it tightens, then tactile sensations to the skin and finally constriction of the musculature, blood vessels and other organs in the neck. The full sequence of checking a dog with a choker takes a finite time: perhaps 0.5-1 second, and it is a compound stimulus of noise and pain, on a sensitive part of the dog's body.

An 'old-fashioned' leather collar delivers a quite different sensation to the dog: There is an instantaneous connection between tightening lead and neck, and loading is spread over a wider surface area of skin. Thus, there should be little pain and local damage to underlying tissue. The leather collar's great advantage over the choker is that it delivers a punctate stimulus to which one can condition the 'HEEL' sequence. Secondary advantages are that it does not toughen or desensitize the skin to tactile stimuli, it does not deliver disruptive pain, and of course the owner can hang a name tag on the dog.

**Do Chokers Cause Injury to Dogs?**

This is an issue which is currently provoking considerable concern among some veterinarians. The list of injuries caused to dogs by heavy-handed control with choke chains does not make pleasant reading. The following have either been encountered by the author or reported to him by veterinary surgeons:

a. Neuromuscular disorders resulting from constriction of the cervical region of the spine.

b. Ruptured trachea.

c. Bruising to the ear and ear capsule, causing undue touch sensitivity in this region.

d. Epileptic fits, triggered by constriction of the blood supply to the brain.

These are not isolated cases, and given the pressures generated by giving a check to a choke chain on a heavy dog, such damage is to be expected. Readers are invited to put one high up on their arm and get someone to give it a yank. Better still, try it on the neck, and remember that a dog's neck carries virtually the same organs and delicate tissues as the human neck. Similar design principles to the choke have been exploited for centuries in the animal trapper's snare. Most dog owners find the above comparison distasteful, particularly if they have seen a wild animal strangled in a snare.

**Do Chokers Work?**

Clients are referred to the author by veterinarians because their dogs exhibit various behavioral disturbances and problems. Before seeking professional advice, the majority of his clients have attended dog-training classes where they were instructed to fit a choker. Yet about 50% of the clients' dogs still pull on the leash, with or without a choker.

So the reality of using a choker often does not match the expectations which dog owners acquire from dog trainers. It is simply not good enough to say that such owners are hopeless or incompetent, or that there are right and wrong ways to use chokers. The best way to capture the interest and enthusiasm of ordinary pet owners in dog training is to devise techniques which are pleasant to operate and which work in practice. There is no doubt that one can train a dog that is wearing a choke chain; it is simply that they are cruel and unnecessary. And since one design of choker is little better than another (they all choke!) the best place to put your choker is in the waste basket!

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**Animal Welfare Science Essay Competition**

**Deadline: December 31, 1981**

**Two $500 Prizes**

**Competition Rules:**

- All enrolled veterinary students in the U.S. (including those who have graduated within six months of the deadline) are eligible to compete.

- The two best essays, selected by a panel of judges comprised of veterinarians, philosophers, ethologists and other relevant scientists, will be awarded a cash prize of $500 and a Certificate of Appreciation. Judging criteria will include quality of writing, the accuracy of the supporting data and the extent to which opposing viewpoints have been taken into consideration and/or refuted.

- Essays should be between 4,000-5,000 words in length and may be based on literature and analyses, data gathering projects or personal viewpoints. All essays should be thoroughly documented with appropriate citations and references using the JAVMA format.

- The winners will be welcome to submit their essays to the International Journal for the Study of Animal Problems for consideration of publication.

- Copyright of the winning entries will be transferred to the Institute for the Study of Animal Problems as a condition of receiving the award. The author's rights will be reserved.

- Candidates who are in doubt about the suitability of proposed topics are invited to contact Dr. Michael W. Fox for advice. Examples of subjects from which essay topics (either broader or more specific) may be selected include:

  - Trapping
  - Euthanasia Techniques
  - Predator Control
  - Laboratory Animal Welfare
  - Farm Animal Husbandry and Welfare
  - Zoo Animal Behavior Problems
  - Use of Animals in Teaching
  - Welfare of Circus Animals
  - Humaneness and Veterinary Ethics
  - Rodeo Animals/Race Horses
  - Ethical and Legal Aspects of Animal "Rights"
  - "Pet" Welfare and Owner/Breeder Responsibilities
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