



Dogs have many ways to resolve conflicts

Fighting without Biting

IN AN OBEDIENCE CLASS FOR ADOLESCENT DOGS, Denny, a male Rottweiler, and Meadow, a female Doberman, investigate one another. Denny circles Meadow and tries to mount her from behind for the third time in a row. This proves too much for her. In an instant, Meadow's lips retract as her body becomes tight, and before we know it, Denny is on the ground with Meadow standing over him, growling. Meadow continues to stand over Denny, whose ears curve back and eyes narrow. When Denny licks and paws at her open mouth, Meadow's demeanor softens. She steps away and, facing him, folds into a deep play bow. They dance away from us like big, romping puppies as we release a collectively held breath.

I could tell by the alarm on some of the human participants' faces that they had feared the interaction would end badly. However, Denny and Meadow were not strangers to one another. They had played together regularly in a previous puppy class, but this was the first time they had interacted in a way that raised questions about exactly what they were up to. Were they fighting? Should we have allowed their interaction to play out, or does anything that looks like aggression between dogs immediately call for intervention?

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Because we live with multiple dogs, study dog behavior and work professionally with aggressive dogs, we think a lot about canine aggression. Some dog interactions clearly qualify as aggressive—for example, a dog with a history of initiating unprovoked attacks and inflicting damaging bites is clearly aggressive, and letting her interact with other dogs is dangerous. No one would disagree about this. However, what about cases where teeth are flashing, spit is flying and the growling is deafening, but in the end, neither dog is the worse for wear? This is a gray area that is so very interesting precisely because it's often not clear-cut. Are these instances of aggression?

The answer depends upon whom you ask. Even among behavioral scientists, the term “aggression” can have so many meanings that, in effect, it has lost its meaning. For example, behaviorists might use the word “aggressive” not only to describe a dog who has killed another dog but also to describe a dog who growls or snarls at a dog who is trying to take his bone. The motivations and emotions are clearly very different in these two examples. In the first case, the dog intended to do harm and did, but in the second case, the dog was likely just communicating his displeasure. Using the same word to describe

two completely different scenarios can affect how we think about and respond to a wide variety of dog-dog interactions.

Perhaps a more useful term to describe growling at a potential bone thief or the interaction between Denny and Meadow is “agonistic behavior.” Ethologists, who often use this term when studying nonhuman animals, define agonistic behaviors as those that occur between individuals of a particular species in conflict situations. Examples of agonistic behaviors in dogs include threats like muzzle-puckering and growling; submissive behaviors like crouching, lowering the head and tucking the tail; offensive behaviors like lunging and snapping; defensive behaviors like retracting the commissure (lips) while showing the teeth; and attacking behaviors like biting. With the exception of biting that results in punctures or tears, none of these behaviors necessarily indicates intent to do harm. They simply reveal emotion (e.g., anger or fear), communicate intention (e.g., to maintain control of a resource or to avoid an interaction) or function as a normal part of play fighting (e.g., growling, snapping or inhibited biting). To determine if an interaction meets the criteria for “agonistic behavior,” an observer must focus on an objective

description of the communicative patterns displayed rather than automatically jumping to judgments associated with the use of the term “aggression.”

If signals such as bared teeth and growling are not typically preludes to fighting, why do they exist? Paradoxically, such behaviors are usually about how to avoid fighting. To understand this contention, we need to understand wolves—or, for that matter, our own evolutionary history. Wolves, like our human ancestors, live in family-based groups whose members cooperate to hunt, defend resources and rear young. At the same time, as we know all too well, family members quarrel.

We negotiate and move beyond such conflicts with phrases like, “Don’t do that,” “Hey, that’s mine!” “Leave me alone!” or “I’m sorry.” Wolves (and many other social animals) convey similar meanings with a varied repertoire of gestures, postures, facial expressions and sounds, including those mentioned earlier as examples of agonistic behavior. Precisely because they employ such signals, wolves can resolve conflicts without hurting each other. This is an important consideration, because serious wounds in any adult can reduce a pack’s viability as a cooperative unit. Fortunately, dogs, as



descendants of wolves, have retained many of these behaviors as well as the motivation — most of the time — to avoid dangerous fights. (A recent study* reported that none of 127 agonistic interactions observed at a dog park resulted in injury.)

The interaction between Denny and Meadow described in the opening paragraph is a good example of this process. Meadow conveyed the equivalent of “Stop trying to mount me!” when she stood over Denny, growling. Through his submissive expressions and gestures, Denny indicated that he accepted her discipline. Meadow responded to Denny’s submission by stepping away, and her play bow showed that she had no hard feelings. Denny’s willingness to play with Meadow indicated that he, too, wanted to remain friends. While we often rush to intervene in such interactions, one can almost hear the dogs saying, “No big deal!”

Our last example involves Tex, a 50-pound mixed-breed we rescued from an unhappy life when he was about six months old. He is now five and has never bitten another dog. However, Tex is a bit of a grouch. For example, when he first met Zelda, a young adult female German Shepherd, he rushed at her repeatedly, opening and closing his mouth and vocalizing,



To avoid misunderstandings, we need to issue a few caveats.

First, when we say that most conflicts are resolved without fighting, we are referring to puppies or adult dogs who have interacted frequently with other dogs and don’t have a history of injurious biting. Such socialization is critical, not only to help dogs learn how to use agonistic signals appropriately, but also to counteract a tendency in some dogs to view unfamiliar dogs as potential enemies. (Wolves, who fight fiercely with wolves from other packs, do not grow up experiencing friendly interactions outside their own pack.)

Second, when we suggest that it is sometimes appropriate to allow agonistic behaviors to proceed without intervention, we are referring to pairs of well-socialized dogs who already know each other. Before first introducing two dogs—even well-socialized ones—the dogs’ guardians should exchange information about each dog’s history and personality and then proceed with caution until the dogs repeatedly interact in friendly ways.

Third, guardians may need to intervene sooner rather than later when one dog within a pair is especially vulnerable—for example, in conflicts between large and small dogs or those involving old dogs. Additionally, if arousal increases rapidly in one or both dogs with no signs of abatement, it is wise to avoid further escalation by interrupting and redirecting the dogs.

Fourth, we are referring only to pair-wise agonistic interactions. Once a third dog becomes involved, intervention may be needed to prevent two or more dogs from ganging up against another.

Finally, we’re mostly discussing interactions outside of play. In a future article, we will discuss purportedly aggressive behavior during play.

*A. Capra et al. 2011. Flight, foe, fight! Aggressive interactions between dogs. *Journal of Veterinary Behavior* 6(1):62.

“rah-rah-rah.” At first, Zelda showed mild submission and avoidance. Then, as Tex continued with his displays, she stood quietly when he charged, going about her business as soon as he moved away. When they met again the next day, Tex growled at Zelda a few times, but soon they began to play, and from that moment on, they played for hours whenever they were together. Although they clearly like each other, now and then Tex erupts vocally at Zelda, who ignores him. She is like the person who has a friend with a bit of a temper, learns not to feed it and loves him anyway.

The point of this story is not that everyone should allow their dogs to interact with grumps like Tex. Zelda’s guardian was a friend who was familiar with Tex and knew that he was harmless, despite his tendency to show agonistic behavior toward an unfamiliar dog. (Why Tex and other dogs employ this gambit is a topic for another time.) Although we might prefer that dogs always greet one another with laid-back ears and loosely wagging tails, we wonder how many dogs like Tex are out there, doomed to a life without canine company simply because they don’t conform to our ideas about how dogs should behave? Similarly, how many compatible pairs like Jimmy and Meadow are separated because we don’t understand their relationship? If we can learn to discern nuances in agonistic behavior, perhaps more dogs will get a chance to enjoy friendships with other dogs. (See “Does Your Dog Need a BFF?” *Bark*/June 2010.)

So, the next time you witness an agonistic interaction between two dogs known to have good bite inhibition, instead of intervening at the first sign of a curled lip or growl (especially when the dogs have a generally amicable relationship), wait a moment and watch. If the interaction ends quickly with no injuries to either party, chances are you have witnessed a useful episode of communication. Sometimes, we need to trust that the dogs really do know best. **B**



Many incidents of seemingly aggressive behavior between dogs are simply examples of appropriate communication. Dogs (including youngsters) often recognize this even when we don’t. For example, we were at an agility trial with Acorn, an adult female Doberman. We met Acorn’s breeder as well as the breeder’s adolescent female Doberman, Sparkle. Acorn was standing at my side when they approached. Sparkle walked directly toward Acorn and stood facing her less than a foot away. Acorn flashed her teeth, and the young female took a few steps backward. The breeder said, “Aren’t you going to correct Acorn?” “For what?” we asked. “For aggression; she just showed her teeth at my dog,” the breeder asserted. What she mistook for aggression, we understood as skillful communication between two dogs.

Another vivid example of agonistic behavior involves two young Dobermans. Meadow was a year old when we brought home six-week-old Jimmy. During the last year and a half, we have watched the relationship between these two develop. They are crazy about one another—they play together every day, sometimes for

many hours, and when they run, they often move in parallel so that the sides of their bodies are touching. Most of the time, Meadow and Jimmy appear to be doggy soul mates, but there is another side to their relationship that is less clear-cut. To deal with conflict situations, Meadow and Jimmy often escalate their communication to the point that it appears as if they are shouting at one another. When this happens, they can be so noisy that it’s hard to carry on a conversation even in the next room!

Both dogs rear up on their hind legs, boxing like kangaroos. Their mouths are open, their teeth are exposed and it looks ugly. However, these quarrels are over as quickly as they start, and both dogs are fine. In fact, they will typically play afterwards; following an episode that lasted a little longer than usual, they ended up spooning on a dog bed designed for one. Jimmy and Meadow remind us of a particular type of stable married couple described by relationship psychologist Dr. John Gottman. These couples argued often, without holding back. Yet when they weren’t fighting, they tended to have more fun with each other than the stable couples who rarely quarreled.