influence is, at the very least, two-way. Rather than being deterministic, they see the consequences of technology for social life as *emergent*. Even if we knew all the factors that influence us at the start (an impossible feat), we would not be able to precisely predict the social interactions, formations, and changes that result from their ongoing interplay as people use technologies in specific situations.

hands and despair of gaining any insight. We should, however, always domestication perspectives does not mean we should throw up our increase family cohesion). The complexity of the social shaping and meeting in person), and affirming (people use the mobile phone to Southeast Asia), disruptive (people form close relationships before network site Orkut came quickly to be dominated by Brazilians and on hand through which to do it), surprising (the American social be wary of simple explanations. later Indians, Friendster became the dominant social network site in to say they are running late more because they have mobile phones used in ways that are predictable given media affordances (people call As the chapters that follow will show, sometimes these media are people depends on many forces, only some of which are predictable. disappointed. They do many things, and which ones they do to which ers and mobile phones do to our personal connections, you will be expecting to find simple answers to the question of what computof technological rhetorics in those practices. If you turn the page that influence and emerge around technology, including the role we need to understand both features of technology and the practices tives, arguing that, to connect digital media to social consequences, This book adheres to social shaping and domestication perspec-

S

# Communication in digital spaces

If asked to share general thoughts about communicating face-to-face, on the telephone, and on the internet, many people are likely to say something like this:

Face-to-face is much more personal; phone is personal as well, but not as infimate as face-to-face. The internet is the least personal but it's always available.

Face-to-face: I enjoy the best. I like to see facial reactions, etc. Phone: nice to hear their voice, but wish I could see their reactions. Internet: like it, but can't get a true sense of the person.

I am more apt to be more affectionate and personable face-to-face. Over the phone, I can try to convey them, but they don't work as well. The internet is much too impersonal to communicate feelings.

Internet would definitely be the least personal, followed by the phone (which at least has the vocal satisfaction) and the most personal would be face-to-face.

These responses to a survey I conducted in 2002 framed the comparison in terms of the extent to which nonverbal social cues ("hear their voice," "see their reactions," "vocal satisfaction") affected the perceived intimacy of each medium.

In the first chapter, we saw that a medium's ability to convey social cues about interactants and context is an essential component of its communicative possibilities and constraints. In chapter 2, we saw historical and contemporary visions, both hopeful and fearful, of how limited social cues may affect people, relationships, and social hierarchies. Media with fewer social cues often trigger hopes that people will become more equal and more valued for their minds than their social identities, but also raise fears that interactions, identities, and

relationships will become increasingly shallow, untrustworthy, and

gender and culture. potentially reshape social identities that transcend media, including the chapter, we'll consider how messages online are influenced by and a diminished form of embodied interaction. In the closing section of elements of writing, and that increasingly uses images, rather than as modality that combines elements of face-to-face communication with mediated interaction should be seen as a new and eclectic mixed ability, having fun, and building new social structures. I'll argue that communication, showing emotion, expressing closeness and availnonverbal cues, we'll see how people inject sociability into mediated there's more going on than can be explained by a mere shortage of as a test case for considering the extent to which a lack of cues can chapter, that mediation is impoverishment. We'll look closely at the be considered a cause of how people behave. Having established that practice of "flaming," or extremely argumentative communication, by examining the perspective seen in the quotes at the start of this messages people exchange - when it's digitally mediated. We begin This chapter asks what happens to communication itself - the

# Mediation as impoverishment

## Reduced social cues

norm, early research often saw the telephone and internet as lesser conversation. Taking embodied co-present communication as the ated communication is seen as a diminished form of face-to-face communication could be compared. From this point of view, mediis also in keeping with early research approaches that conceptualized cues on top and the one seeming to offer the least on the bottom. face-to-face conversations as the norm against which other kinds of throughout history and may well resonate with your own intuitions. It As we saw in chapter 2, this is in keeping with popular discourses that seems to offer the widest range of verbal and nonverbal social dency to think about media in ranked order and to position the one The quotes that opened this chapter demonstrate a formulaic ten-

> suited to personal connections. versions of the real thing, inherently less intimate, and, therefore, less

defined as their ability to transmit social cues, with task demands. Theory (Daft & Lengel, 1984), both tried to match media capabilities, face-to-face. The first two theories of media choice, Social Presence teleconference and when they would need to get employees together Theory (Short, Williams, & Christie, 1976) and Media Richness both managers and scholars wanted to know when they could hold a managerial concerns about when to choose each medium. Put simply, installed in large organizational contexts. Research was driven by communication began in the 1970s. At this time, audioconferencing videoconferencing, and networked computer systems were being The first research comparing mediated interaction to face-to-face

enced in communication." the "level of interpersonal contact and feelings of intimacy experimacy and immediacy) of the interpersonal relationships" (1976: 65). in the interaction and the consequent salience (and perceived inti-Thurlow, Lengel, and Tomic (2004: 48) describe social presence as defined social presence as "the degree of salience of the other person with an authentic person during synchronous interaction. They degrees of social cues invoked differing senses of communication Short and his collaborators (1976) were interested in how different

gesture might directly translate into something far more provocative this case, "yes," "good job," or "can I have a ride?" although the same the American thumbs-up gesture have direct verbal translations (in tuned in and to illustrate our words. Nonverbal "emblems" such as ness (e.g. Goodwin, 1981). We rely on gestures to keep our audience such as "uh huh" are all ways in which we demonstrate attentiveturning your torso toward them, nodding your head, and using fillers (e.g. Wiemann & Knapp, 1975). For example, looking at someone, communication, these nonverbal cues serve important functions cal appearance, proximity, and bodily orientation. In body-to-body cues include facial expression, direction of gaze, posture, dress, physiverbal cues enabled or disabled by mediation. Important nonverbal However, the perception of social presence was attributed to the noninteractants perceive one another, not a feature of a medium. Social presence is a psychological phenomenon regarding how

especially emotional meaning, it makes sense that people question nonverbal cues in coordinating interaction and conveying meaning sion, as well as cognitive states such as confusion and understanding and clenched teeth convey interpersonal attitudes of liking and averelsewhere). Facial expressions including smiles, furrowed brows, how well mediated communication can successfully serve social (e.g. Andersen & Guerrero, 1998). Given the importance of these

and communicate less affective content than face to face." are seen as less personal, less effective for getting to know someone. to perceive the least social presence of all in audio meetings "which in videoconferences (Short et al., 1976). As Fulk and Collins-Jarvis rienced more sense of social contact in face-to-face encounters than acting out social roles. In experiments, they found that people expecues than groups performing tasks in which people were primarily personal relationships would require media that conveyed more social (2001: 629) summarize, in several related studies people were found they expected that groups completing tasks that involved maintaining presence people using a medium would experience. In particular, transmitted which cues, you would be able to predict how much social served which functions in conversation, and you knew which media Social Presence theorists argued that if you knew which social cues

ings and emotions (a factor I find conceptually difficult to tease apart carrying capacity, which they based on four criteria: the speed of and Lengel (1984) defined a medium's richness as its information-(1984), is closely related, but focuses directly on the medium. Daft and present. Media Richness Theory, developed by Daft and Lengel researchers, most Media Richness research focused on asynchronous compared rich and lean media for their suitability for solving tasks diffrom the conveyance of multiple cues). Media Richness scholars feedback, the ability to communicate multiple cues, its use of natural resolving personnel issues, would work better in rich media, while that tasks high in uncertainty with many possible answers, such as communication (Fulk & Collins-Jarvis, 2001). The expectation was fering in equivocality and uncertainty. In contrast to Social Presence language rather than numbers, and its ability to readily convey feel-Social Presence Theory focuses on the perception of others as real

> unequivocal tasks like telling someone you're running late would be best served by lean media (Daft & Lengel, 1984).

Collins-Jarvis, 2001). and feelings, mediation was depicted as inherently inferior (Fulk & interaction for some tasks, but for those involving personal identities context. Mediated communication may be better than face-to-face veyed by appearance, nonverbal signals, and features of the physical to see, hear, and feel one another, they can't use the usual cues conof interaction. Because computer-mediated interactants are unable therefore impedes people's ability to handle interpersonal dimensions assume that, to varying degrees, mediated communication is lean and Park, 1994). In their simplest forms, cues filtered out approaches considered "cues filtered out" approaches (Walther, Anderson, & tion was text-only - and related work from around that time can be These two theories - developed in a time when all online interac-

coordinate. This would mean that communicators would have to work harder to achieve their desired impact and be understood. alignment and mutual understanding. Messages would be harder to mediation would make it more difficult to maintain conversational much of the public discourse we saw in the previous chapter. First, & McGuire, 1984) had several expectations, which resonate with social qualities of communication (e.g. Baron, 1984; Kiesler, Siegel, Cues filtered out studies examining how reduced cues affected

speedy task resolution, the plurality of voices could mean tasks would their views on others (Baron, 1984; Walther, 1992). For those seeking ian balance would make it difficult for people to dominate and impose blurred social status seen in chapter 2. With the cues to hierarchy become more evenly distributed across group members. This egalitar-(e.g. age, attire, seating arrangement) missing, participation would to result in a redistribution of social power, echoing the visions of for affective bonds. On the other hand, anonymity was also expected would make these media inherently less sociable and inappropriate losing their sense of self and other. This impersonal environment immediately evident. As a result, people would be "depersonalized," physical appearance, and other features of public identity are not actants would gain greater anonymity. Their gender, race, rank, Second, because social identity cues would not be apparent, inter-

(Sproull & Kiesler, 1991). takes longer to reach a decision, complete a task, or achieve consensus take longer to accomplish. When everyone voices opinions, it often

cues we would be meaner to one another than we would ever be in politeness and civility, rendered anonymous by the absence of social communication. Instead of following the social norms mandating tion and, somewhat paradoxically, more negatively loaded emotional in which anything went. Among other predictions, this was expected to lead to less social and emotional (socioemotional) communicaswearing), computer-mediated discourse was seen as a social vacuum ation and it would not be appropriate to stand up enraged and start apparent in the social context (for example, that this is a formal situface-to-face communication is regulated by implicit norms made (Kiesler et al., 1984; Rice, 1984, 1989; Sproull & Kiesler, 1991). Where cues would result in contexts without social norms to guide behavior Cues filtered out researchers also expected that the lack of social

mediated communication's social consequences. their contributions, they fall short as ways to describe and explain phenomena for which these approaches failed to account. Despite relationships and provide one another with all kinds of social support, enon to which we'll return below, but people also build warm loving become aggressive sometimes under some circumstances, a phenomat best and sometimes downright wrong. Certainly, some people do expectations about social interaction turned out to be problematic ment have held up well in research and in practice. However, their an important thread in internet research (e.g. Cortese and Seo, 2012) Furthermore, cues filtered out predictions about task accomplishpieces of later analytic frameworks. Social Presence continues to be sequences of mediation for interaction, and have become important of communication media. The concepts of social presence and media richness continue to influence the ways scholars think about the con-These theories made enduring contributions to our understandings

posed to accomplish an assigned task (Rafaeli & Sudweeks, 1997; groups in short-term one-shot interactions in which they were supresearch strategies that were unrealistic, usually involving small One reason for this is that scholars tended to use experimental

> differences were very small (Walther et al., 1994). between face-to-face and computer-mediated communication, but the criticisms. Lab studies did find statistically significant differences findings from other lines of research, provide grounds for empirical Walther et al., 1994). Furthermore, their research findings, and

sages, and was mostly positive. tension, and disagreement) constituted around 30 percent of mes-(defined as showing solidarity, tension relief, agreement, antagonism, forum, Rice and Love (1987) found that socioemotional content analysis of transcripts from a professionally oriented CompuServe (Hiltz & Turoff, 1978; Lea, O'Shea, Fung, & Spears, 1992). In a content language, paralanguage, communication styles, and message headers included typographical art, salutations, the degree of formality of not only existed, but was more likely to be prosocial than antisocial already being used demonstrated that socioemotional communication (Hiltz & Turoff, 1978). The social cues reported in early field studies time in naturally occurring contexts in which computer systems were More importantly, the few field studies in which researchers spent

such as increased honesty and self-disclosure, of the sort we will see in chapter 5, were also overlooked or assumed to be negative. guide behavior. Furthermore, positive consequences of disinhibition, a norm-free medium. In fact, as we'll discuss in the next chapter, over time, mediated groups develop strong communicative norms that al., 1992), with the result that friendly asides were seen as evidence of counted all emotional expression as evidence of disinhibition (Lea et social cues, though they are profoundly interrelated. Many studies distinguishes the conveyance of emotion from the ability to convey conceptualize the forces at play. The very definition of media richness Cues filtered out approaches can also be criticized for how they

more significantly, it sells people short, failing to recognize the extent ing, and the social contexts in which interactions are embedded. But, one another again, their expectations and motivations for interactof relationship they have, whether they anticipate meeting or seeing technology, whether they know one another already and what sort affect mediated communication, such as people's familiarity with the form of face-to-face communication ignores many other factors that The perspective that mediated communication is a diminished

submitting ourselves to a context- and emotion-free communication experience. to come up with creative ways to work around barriers, rather than 1994) pushes us to use new media for interpersonal purposes and tion and interaction. This "communication imperative" (Walther, to which we are driven to maximize our communication satisfac-

## The example of antagonism

emotionally or socially impoverished, or that social context cannot be does not follow that mediated communication, even in lean media, is social connection that simply cannot be attained with mediation, it even if we accept that face-to-face communication provides a kind of I would be the first to insist that nothing can replace a warm hug. But demonstrate, the cues filtered out approach still rings true for many. chapter and some of the technological rhetorics seen in chapter 2 Despite its problems, as the comments with which I opened this

unpleasant online. If cues filtered out theory were going to be able to fully explain one thing about social interaction, this should be it. approaches predict and it is widely perceived as both common and swearing, insults, name calling, negative affect, and typographic energy. Flaming is exactly the kind of behavior that cues filtered out ior. Walther et al. (1994) defined flaming as messages that include medium and emergent group norms influence online group behaviors. Research on flaming helps to illustrate how both qualities of the that recognizes both technological and social influences on behavconsequences of mediated communication is a social shaping stance In chapter 2, I argued that our best shot at understanding the social

virulent, petty, mean, and yet entertaining flames can be: from 1993 remains one of my favorites for its ability to illustrate how This flame from the Usenet newsgroup rec.arts.startrek.current

- > Will you stupid jerks get a real life. Everyone with half a brain or more
- > know that a human and a Kligon can not mate. The Klingon mating
- > Stay of the net stoopid! > procedure would kill any human (except one with a brain like you).

clones or something? If you recall, she is half human, and Alexander is 1/4. there as well. Romulans don't seem any more sturdy than humans, and we saw hybrids Oh really. Hmmmm. And I suppose Alexander and his mom are just

to learn how to spell, stooopid. down and worship your opinion you know. You might also do well for yourself Looks like I'm not the one with half a brain. Check your facts before you become the net.nazi next time pal. This isn't just a forum for us to all bow

-Jim Hyde

flame wars (e.g. Shea, n.d.). found describing this pattern and offering "netiquette" tips to prevent and the discussion dies out. Many sources on the internet can be cussion off-list or ignore the hostilities. Eventually people lose interest participants chime in urging the original participants to move the disretorts. The hostilities escalate, drawing in more participants. Other and often lead to "flame wars" in which flames are met with hostile These messages occur predictably in online group interactions

unleashed a torrent of rape and murder threats, ultimately leading to not royalty (the author Jane Austen) on the British £10 bank note attacks on women that take place there, such as the case of Caroline Criado-Perez whose (successful) campaign to get a woman who was across." Twitter has come under fire for the virulently misogynistic over the world, 'cause they are the nastiest people I've ever come and gave them weapons and put them in uniform, they could take The people that comment on there, I think, if you put them together I interviewed told me, "I think there's something about YouTube. significant policy issues around regulation (Citron & Norton, 2011). YouTube comments are famous for their aggression - as a musician both individuals and ethnic groups is common online and raises when it merges with trolling (Hardaker, 2010). Hate speech against But flaming is not always as laughable as this example, especially

<sup>&</sup>gt;>Just fine by me. Personally I'd like to involve Lursa and her sister (the

<sup>&</sup>gt;> Klingons) too. Now THAT would be a fun date.

<sup>&</sup>gt;> -Jim Hyde

evidence that they do). better. (As a glance at many Facebook groups will show, there is little platforms with an expectation of real names such as Facebook and Google+ in hopes that people posting under real names will behave Many news sites have begun requiring commenters to log in through men and women on Twitter in the crudest of sexist and racist terms classes on a particularly cold day in 2014, she was attacked by both at least one arrest and a campaign urging Twitter to be more active in lor of the University of Illinois at Urbana-Champaign did not cancel reining in abusive tweets. When the female Asian-American chancel-

their abuse became known. report experiencing more supportive messages than abusive once Even those who have been the targets of abuse such as Criado-Perez nice than to flame (e.g. Preece & Ghozati, 1998; Rice & Love, 1987). The fact is that most people in online groups are far more likely to be and because hostile messages are so memorable (Lea et al., 1992). of flaming because single messages may be seen by so many people of the messages were antagonistic. We may overestimate the amount than it actually is. In Rice and Love's (1987) study, only 0.2 percent ought to be very common online. Yet it is perceived as more common attacks. However, if flaming were caused by reduced social cues, it reduced-cues medium is seen by some as a platform for launching scholars describe. The lack of social presence and accountability in a real. To some extent, this is surely facilitated by what cues filtered out There's no question that flaming and abusive online behavior are

what little there was came from outsiders (Baym, 1996, 2000). styles encourage people to conform to the group's style, while those with female soap opera discussion group I studied had almost no flaming: more civil styles invoke more courteous behavior. The predominantly occurs because of norms. Groups with argumentative communication explanation that flaming occurs because of a lack of norms, flaming his collaborators (1992) argued that, contrary to the cues filtered out of hostility varies tremendously across online groups. Martin Lea and flaming in all interactions in a medium. But the amount and tolerance If reduced cues cause flaming, we should also see equal amounts of

people often flame in ways that demonstrate their awareness that Furthermore, rather than occurring in the absence of social norms,

> from communities on sites like Reddit that support and foster their flame too (Savicki, Lingenfelter, & Kelley, 1996), flaming has been work out what kinds of activities they are taking part in. For example, abusive behavior. (Myers, 1987a: 241). The misogynistic trolls of Twitter come there linked to masculinity, or "the chest-thumping display of online egos" In some groups, flaming is a form of playful sport. Although women whether or not venting was appropriate (Aakhus & Rumsey, 2010). people in a cancer support group flamed as a means of determining negotiated through flaming, as participants in discussion forums inappropriately, thus maintaining group norms. Norms are also message. Flames are also used to discipline people for behaving "<flame on>" and "</flame off>" designations to bracket the abrasive tuation marks for letters in swear words or use the html inspired they are violating norms (Lea et al., 1992). They may substitute punc-

# Putting social cues into digital communication

be used to accomplish relational and social connection, leaving no how much more research is about text-based communication, can However, even text-only interaction, on which we'll focus here given the world (e.g. Lingel, 2013; Madianou & Miller, 2012a, 2012b). tionships, including romantic partners but also immigrants, around common means of communication for people in long-distance relaenabled people to communicate via video, and Skype has become a the Oxford English Dictionary's 2013 Word of the Year. YouTube has become pervasive throughout online communication. "Selfie" was Facebook) is entirely image-based, and image-based memes have tory, Tumblr is overwhelmingly image-based, Instagram (owned by for us to communicate. Facebook is the world's largest photo reposiof text-only media. As a consequence of people's enthusiasm for digital social interaction, developers have created ever-richer means fun, and build and reinforce social structures even in the leanest goals (O'Sullivan, 2000). People show feeling and immediacy, have ate media characteristics as resources to pursue social and relational ask what people do with mediated communication. People appropri-Instead of asking what mediation does to communication, we can also

question that we can do it with additional cues such as video, images,

behind them, but they have helped. solved the confusion about what words mean and the emotions trate feeling or to convey how the words were meant to be interpreted emoticons and emojis originated in novel uses of punctuation to illusexpressions and are standardized in smartphone keyboards. Most translated it into this graphical representation: ©. Emojis (a Japanese that punctuation combination, my word processor automatically now been built into new media to the extent that when I first typed show feelings, but some of which are simply playful. Emoticons have some, has spread into elaborate lexicons of emoticons, most of which expression and vocal intonation. Sarcasm can be particularly tricky. that emotional information can be difficult to convey without facial 2005). Fahlman's innovation responded to the now-familiar problem tion marks could be combined like this :-) to mark jokes (Anderson, Mellon University professor Scott E. Fahlman proposed that punctua-(Dresner & Herring, 2010). Emoticons and emojis have not entirely term combining "picture" and "letter") now extend far beyond facial Conflict often results. The smiley face, used by many and reviled by In 1972, just three years into ARPANET's existence, Carnegie

verbal reactions to others' humorous messages. Someone in a music anyone know how to clean coffee off a keyboard?" to describe nonso hard everyone knew I wasn't working" or the more oblique "does cussing soap operas I studied frequently used phrases like "I laughed to describe their nonverbal reactions in textual media. The people disbusy," "I am sooooooo busy," or "I am so busy!!!!!!" (e.g. Darics, 2010; automatically transforms the asterisked word into boldface), "I am SO to indicate emphasis, as in "I am \*so\* busy" (my word processor brackets, upper-case lettering, and letter and punctuation repetition cues when limited to textual communication. We use asterisks as its oft-used forerunners ROTFL or the now more common ROFI "lots of laughs" or "laughing out loud") is even more ubiquitous than listening to the song under discussion. The acronyms LOL (for either fan group I followed described herself dancing on her couch while Herring, 2001). People also simply use words or abbreviated phrases There are other ways in which people convey nonverbal social

> affiliation (Mehrabian, 1971). engaging in behaviors that reduce psychological distance and increase ("rolling on the floor laughing"). We also display immediacy online,

tions serve as ample resources for building friendly conversationality. chronous media) and the physical discomforts of too much typing, but they can also create immediacy. Together, these many linguistic varia-2005; Ling, 2005). Deletions may be partially driven by the formal text messages, spaces, adjectives, and adverbs (Hård af Segerstad, out subject pronouns ("gotta go now"), vowels, punctuation, and, in limitations of message space and time constraints (especially in syn-(sandwich). "Tho" shows how we delete letters. We may also leave have written "yer" (your) and "tho," "Hahaha," "LOL," and "sammich" In my Twitter feed as I write, for instance, highly educated friends ings, deletions, casual and slang vocabulary, greetings, and sign offs language of immediacy is informal, filled with non-standard spell-(Baron, 2008; O'Sullivan et al., 2004), and other linguistic markers. ested in them, through immediacy cues (O'Sullivan et al., 2004). The We show others that we are approachable, and that we are inter-

people play with fonts. flippancy, and irregular uses of typography and spelling. On Twitter the legacy of hacker culture with its love of wordplay, puns, irony, ity, the lack of clear authorities and formal governing structure, and several influences, including interactivity and synchronicity, anonymquality of much online interaction, especially when synchronous, to play. In her book *Cyberpl@y*, Brenda Danet (2001) traced the playful People also appropriate qualities of digital media as resources for

found disturbing, 27 percent of the messages were humorous. Group that, even in the discussion of a dark storyline the fans disliked and discussion forums contained humor. In my soap group study, I found percent of the thousands of messages they coded from international this below). Rafaeli and Sudweeks (1997) found that more than 20 online groups (e.g. Baym, 1995; Myers, 1987a), or signifyin' amongst Black users of Twitter (e.g. Brock, 2012; Florini, 2013 - I return to forwarding of humorous emails and links, displays of creativity in dirty jokes amongst teenagers (Oksman & Turtiainen, 2004), the munication contexts, whether it's the use of mobile phones to share Many people have noted how common humor is in mediated com-

members indicated in my surveys and in their responses to one another that humor was one of their main criteria for assessing the quality of messages and one another.

be funny or accepted by the communities in which they circulate. (Burgess, 2006; Milner, 2012; Miltner, 2014), otherwise they will not humor require particular kinds of literacies in "vernacular creativity" knowyourmeme.com (Milner, 2012; Shifman, 2013). These kinds of Socially Awkward Penguin, Success Kid, and the others catalogued at playful humor in the creation and spread of "memes" such as "doge," emerged, based on imagined canine speech. We also see but it is not LOLspeak (Lefler, 2011). More recently, a similar dialect, be done incorrectly. "You me give cheezburger?" is bad grammar, perfick grahmar") are juxtaposed with pictures of cats (among other ings (e.g. "I can haz cheezburger?" or "Literecy cat is amaized at ur in which short grammatically incorrect phrases rife with misspellused the keyboard in combination with colored fonts to create illustraof the box meant to constrain the content of the tweet, disrupting things), has given rise to a new grammatical dialect which can, in fact, dialects in textual interaction. The widespread LOLcat phenomenon, those in rugs and other textiles. People invent new words and even tions with many qualities found in traditional folk designs, such as the appearance of Twitter itself. An IRC group Danet (2001) studied the code to create tweets with letters and symbols that extend outside images. A particularly clever account, @Glitchr, exploits glitches in ASCII art, the symbols available on a keyboard are used to draw There are many other kinds of creative play in textual media. In

As people appropriate the possibilities of textual media to convey social cues, create immediacy, entertain, and show off for one another, they build identities for themselves, build interpersonal relationships, and create social contexts, topics to which we will return in coming chapters. Performing well can bring a person recognition, or at least lead to a sense that there is a real person behind otherwise anonymous text. Our expressions of emotions and immediacy show others that we are real, available, and that we like them, as does our willingness to entertain them. Our playful conventions and in-jokes may create insider symbols that help groups to cohere. These phenomena are only enhanced by the additional cues found in shared

video, photography, sound, and other multimedia means of online interaction that have developed over time.

# Digital language as a mixed modality

If comparing mediated text to face-to-face communication doesn't work adequately, it might be more fruitful to think of digital communication as a mixed modality that combines elements of communication practices in embodied conversation and in writing. Instead of approaching mediated interaction as face-to-face communication and finding it wanting, we draw from our existing repertoire of communication skills in other modes to make a medium do what we want it to do as best we can.

Online language has been called an "interactive written register" (Ferrara, Brunner, & Whittemore, 1991), a hybrid (Danet, 1997), a creole (Baron, 1998), and an "uncooked linguistic stew" (Baron & Ling, 2003) that blends elements of written and oral language with features that are distinctive to this medium, or at least more common online than in any other language medium. Mediated interaction in several languages (including English, French, Swedish, and Norwegian) resembles both written language and oral conversation (Baron, 2000; Baron & Ling, 2003; Baym, 1996; Danet, 1997; Ferrara et al., 1991; Hård af Segerstad, 2005; Herring, 2001; Ling, 2005).

Online interaction is like writing in many ways. In detailed analyses of naturally occurring messages, Baron (2008) argues that, on balance, emails, instant messages, and text messages look more like writing than speech, but fall on a spectrum in between. Like writing, textual interaction online often bears an address. Messages can be edited prior to transmission. The author and reader are physically (and often temporally) separated. Messages can be read by anonymous readers who may not respond and it is not possible for interlocutors to overlap one another or to interrupt. Context must be created through the prose so that messages are often explicit and complete. There is rarely an assumption of shared physical context. Messages are replicable and can be stored.

On the other hand, there are many ways in which online language resembles speech. As we saw in the discussion of immediacy

and often is not stored by recipients despite the capacity for storage. sages. Topics change rapidly. The discourse often feels ephemeral often does so quickly, resulting in reformulations of original mesthrough turn-taking. The audience is usually able to respond and of language. Despite the challenges to conversational coordination (Herring, 2001), messages are generally related to prior ones, often above, misspellings and deletions often foreground phonetic qualities

ingly every nation that uses these media. spelling and punctuation will decimate grammar as we know it. inability to conduct face-to-face conversations, or that non-standard that the brief exchanges of Instant Messaging (IM) will lead to an and written language. Newspaper articles have worried, for instance, Finnish, worry about negative consequences for student writing Teachers in Finland, where text messages are full of non-standard both, raises dual fears about the degeneration of spoken conversation (Kasesniemi & Rautiainen, 2002), echoing concerns heard in seem-The specter of a new language form, neither spoken nor written yet

of mediated interaction is "at most a very minor dialectal variation" and social contexts of interactions for social purposes. The language abbreviations, acronyms, contractions, misspellings, emoticons, or (Herring, 2001). Most are deliberate adaptations of the technical language are due to inattention or lack of awareness of standards Furthermore, like flaming, few of the non-standard features of missing punctuation in American college students' Instant Messages. than people think (Baron & Ling, 2003). Baron (2008) found few (Baron, 2008: 163). There are far fewer such deviations from standard language forms The scant evidence so far does not offer strong reasons for concern.

and perfect writing have changed so that writing is done more quickly. we rarely linger over the written word. Social attitudes to proofreading writing across media. Writing standards, she argues, are declining as In a survey, 68 percent of US Advanced Placement and National increasingly been replaced by casualness, something that extends to ity of public life. Baron (2008) argues that, culturally, formality has be understood as part of a cultural reaction to the growing informal-(reflected in the rhetorics of new media discussed in chapter 2) can The discourse of fear and language decay surrounding these media

> writes (2008: 171), but, "like signal boosters, they magnify ongoing the cause of contemporary language attitudes and practices," Baron writing (Purcell, Buchanan, & Friedrich, 2013). "Computers are not students more likely to take shortcuts and put less effort into their Writing Project teachers expressed concern that digital tools make

of individuals. There is no standardized "digital language." tion style of the speakers' social groups offline, and the idiosyncrasies purpose of the interaction, the norms of the group, the communicainstance of digital language use depends on the technology, the to the temporal and software structures of those modalities. Any or circumstances in which they are used, are alike, and adapt accordthose in most other forms of online interaction, for instance, due ingly. Messages in IM, chat, and SMS are considerably shorter than People also usually understand that not all textual digital media,

of too formal and too polite). you are communicating with someone more powerful, err on the side email and including them with their syllabi (general rule: whenever met. Some professors have taken to writing guides for appropriate favors of me that opened with "Hey Nancy," even when we had not tionship. For instance, I often received emails from students asking use immediacy cues in email that seem inappropriate for that reladifficult circumstances. Most teachers can tell tales of students who for the workers, and others saw it as a goofy personality quirk, some saw it as a means of creating immediacy, thus showing compassion found all-lower-case entirely inappropriate in these professional and where the lack of capitalization generated controversy. While some thousands of workers. Yang's letter spread widely across the internet entirely lower-case email to all employees to announce the layoff of prominent example, Jerry Yang, then CEO of Yahoo!, wrote an about which elements of digital style are appropriate to use when. These are value questions we are still resolving. In one particularly devolutions of language in other contexts, there is still disagreement However, even if there is little reason for concern about wholesale

rate styles from conversations and writing with stylistic and formal has become even more complicated now that we blend and incorpo-What was once a complex hybrid between writing and speech

to words alone, pictures - especially selfies - can feel "more 'real' than poses, and settings familiar from shoots of famous people. In contrast use a particular "visual lexicon," which in this case draws on clothing shows that many of the Instafamous post selfies that appropriate the without being famous outside of that site - Alice Marwick (in press) ing of large numbers of followers through the Instagram platform other genres and practices. In an analysis of "Instafame" - the amasstext" (Van House, 2011: 131). poses and props seen in celebrity culture. As Alper (2013) puts it, they elements of film, television, music videos, and photography, and

# Contextual influences on online communication

shape and are shaped by mediated communication. how gender and culture play out online speaks to how social contexts forces we carry with us into our mediated interactions. A quick look at communication. Communication is also shaped by larger social Thus far we've focused on technological and social drivers of online

### Gender

options would be he, she, it, s/he, E, e\*, they, I, we, and you. cal, royal, or 2nd person. Third-person descriptions of each of these people can choose to identify as: either Spivak, splat, plural, egotistiof pronouns (Danet, 1998). In addition to male, female, and neuter, online contexts do take gender as a subject for linguistic play. One pants multiple gender options for their identity, each with its own set much-studied Multi-User Domain, Lambda MOO, offered particithat gender might become irrelevant or reinvented online. Some ior from men and women. Early discourses of the internet suggested All cultures have different customs, rules, and expectations for behav-

studies of gendered communication find men and women are far through the ways they communicate (e.g. Herring, 1996). Most tion. Rather than being liberated from gender, people perform gender mediated interaction just as it influences unmediated communicawomen's mediated messages and concluded that gender influences Several language-oriented researchers have compared men's and

> while men are reared to specialize in the informative dimensions socialized to attend more to relational dimensions of conversation more similar in their communication than different, but women are (Burleson & Kunkel, 2006; Kunkel & Burleson, 1999).

sive messages as evidence of freedom of speech, candor, and healthy how messages are perceived: men may be more likely to see aggresdeveloped a term for the behavior of its male members: "MAS" for "Male Answer Syndrome" (Kendall, 2002). Gender can also influence though the data on flaming is mixed (Savicki et al., 1996). One MUD likely to use an adversarial style in their messages (Herring, 2001), prevention and reduction (Savicki et al., 1996). Men may be more calls for action, less self-disclosure, and fewer attempts at tension Groups with more men use more factually oriented language and that women used a wider range of nonverbal cues online than men groups oriented toward male and female topics, Larson (2003) found conformed to gender stereotypes. In her work comparing discussion the appearance in profile images were shaped by gender identity and mined primarily by topic, but that all other speech acts, tone, and (2011) found that teens' word choice in synchronous chat was deteropenings (Baron, 2008; Baron & Ling, 2003). Kapedzic and Herring also nearly three times more likely to begin SMS interactions with and are nearly three times as long as male closings. Women are oriented language. Women's IM closings take twice as many turns were more likely to use cooperative and accommodating language than men, who were more likely to use aggressive and motion-In blogs written by young Iranians, Bordbar (2010) found that women justifications, apologies, and expressions of support (Herring, 1996). likely to use a supportive/attenuated style oriented toward affiliation. where and how . . . girls contemplate the reasons." Women are more Messages written by women are more likely to include qualifications, experiences. Boys tend to write only about what has happened, and and Rautiainen (2002: 185) described Finnish girls' text messages style was present, but modest (Savicki et al., 1996). Kasesniemi as "full of social softening, extra words and emotional sharing of Usenet groups found that the influence of gender on language tion. Statistical analysis of large samples of communication from Not surprisingly, gender differences appear in mediated interac-

debate, while women are more likely to see them as hostile and unconstructive (Herring, 1996).

As we have seen with the Twitter attacks mentioned earlier, like gender, sexism persists and is amplified online. Women with unpopular positions are routinely attacked for being women while men with unpopular ideas are attacked for their ideas (Gurak, 1997). Women are depicted as sexual objects. When someone mentions seeing a woman in one MUD, for instance, a typical response is "did you spike 'er?" (Kendall, 2002: 85). When people sell their characters in role-playing games, female avatars go for 10 percent less than their male counterparts, even when they have comparable skill levels (Castronova, 2004). Kishona Gray (2012) studied Black women's experience in Xbox Live gaming environments where people can hear one another speak in addition to seeing what they write and how they play. She found these women received sexist comments complicated by racist ones. The result is different experiences of gender for women of color than for white women.

### Culture

siders. This ranged from engaging in "limin'," an often risqué form of photo of herself lying in a pile of autumn leaves, marking her as being and as distinctly Tanzanian. One young woman, for instance, used a between representing themselves as globe-trotting cosmopolitans nication that both maintained their Indian identity and recreated indian Usenet group showed how diasporic Indians used commupersonal webpages. Ananda Mitra's (1997) analysis of the soc.culture "being Trini and representing Trinidad" for one another and for out-Slater's (2000) ethnographic analysis is an exception, showing how ity, language, and race and ethnicity, has received less. Miller and in new technology. The topic of cultural identity, including national-Gender has received a good deal of attention from scholars interested photos of Tanzanian college students, showing how they moved India's internal ethnic divides. Paula Uimonen (2013) analyzed profile playful banter, to including links to Trinidadian national sites on their both at home and abroad communicated in a style that displayed Trinidadian identity permeated online interaction. "Trinis" living

out of Tanzania, but later changed it to a picture of the Tanzanian flag.

pornography, often appear as passive sex toys. sword-wielding or nerdy. Asian women, so often the subjects of online portrayals (Nakamura, 2002). Asian men, for instance, are frequently select a non-White race, online spaces often offer highly stereotypical onstrations of racial animosity toward others. Even when one can that do self-identify as "White" are often replete with horrifying demare often supremacist. Like sexism, racism thrives online, and groups ethnic categories. Discussion groups that do label themselves "White" may not identify. "White" did not appear in Yahoo!'s list of racial and in that they designated many racial and ethnic groups, constructing for their users a range of social identities with which they may or division, but it can also be read as an assumption that most users are race. This may be celebrated as an erasure of an unnecessary social White. Listings of discussion groups on Yahoo! Groups were typical make users select gender and even species do not make them select brought to the front (Silver, 2000). For example, many online sites that online spaces. Race is often "routed around" online, rather than tion to how race is represented or erased through the interfaces of Lisa Nakamura (2002) and David Silver (2000) have drawn atten-

though sadly not surprising. with hostility from non-Black users (Brock, 2012) is disappointing cultural group in order to claim an online space. That this has met it uses language styles associated with a marginalized and oppressed expected (Florini, 2013). What is important about Black Twitter is that words like "talmbout" for "talking about" becoming widely used and has led to standardization of Black Vernacular English on Twitter with such as "wit" in place of "with," or "tryna" in place of "trying to," and ery" (Florini, 2013: 11). This may be done through phonetic spellings using Black Vernacular English or indicating "an intended oral delivthat favor verbal dexterity and performance, often, though not always, Twitter draws on traditions of African-American communication with each other, resulting in a phenomenon dubiously labeled "Black Twitter" (Brock, 2012; Florini, 2013). As mentioned above, Black the site's use of hashtags to make themselves visible and connect In contrast, many African-Americans on Twitter have drawn on

language (Koutsogiannis & Mitsikopoulou, 2003). alphabet, which has been decried in Greek papers for destroying the on "Greeklish," the online version of written Greek using the Latin and its echoes of Socrates' warnings about the alphabet. This centers I've mentioned the outcry about the devolution of language in Greece social, political, economic, and linguistic consequences. For instance, used by all. The result has sometimes been considered a form of bets and emojis; however, this technology is neither available to nor character set, which is designed exclusively for the Latin alphabet. online. Until recently, online writing was restricted to the ASCII speaking world, and the influence and spread of English online "typographical imperialism" (Herring & Danet, 2003) with potential With the advent of Unicode, people can now write with other alphalanguage, but it is still (for now) the most common language used that English has come to represent less than half of the internet's remains disproportionate to its speakers. It's only in the last few years As discussed in chapter 1, the internet was created in the English-Cultural identity also manifests through the language we use

guage. All other languages combined only made up 0.8 percent of the English, 11 percent Russian, 0.4 percent Portuguese, 0.3 percent users report being outside the USA and pages can be set to appear more than 10,000 blogs each. Herring, Paolillo, Ramos-Vielba, et n.d.) indexed over 2 million blogs. More than half of these were Finnish, Spanish, Dutch, and Japanese, and 2.3 percent mixed lanin 32 different languages. They found that the blogs were 84 percent al. (2007) studied blogs on the site LiveJournal, where two-thirds of Farsi, Japanese, and Dutch were the only other languages found in Catalan, French, Spanish, and Portuguese. German, Italian, Chinese, in English, followed in dramatically smaller numbers by those in hirank.com/semantic-indexing-project/census/lang.html; Languages, A now-defunct effort to conduct a language census of blogs (www. speak Arabic. Fewer than o.r percent speak any African language. 4.1 percent respectively. Only 1 percent of the world's internet users Korean are also popular, constituting 11.2 percent, 10 percent, and percent of internet users spoke English. Chinese, Japanese, and variety of surveys of internet users to estimate that, in 2004, 38.3 The business Translate to Success (2009) compiled data from a

> the top-ten most-used languages, each accounted for only 1-2 percent German, French, Russian, Vietnamese, and Swedish, though also in numbers by those in Spanish, Portuguese, and Indonesian. Italian, than half of its blogs are in English, followed in dramatically smaller blogging platform with more than 69 million users worldwide, more site's user-generated content. According to WordPress.com (2014), a

communicative styles are simply absent from online communication. wealth, particularly the United States. Many of the world's voices and sents a further colonization of poor nations by those with greater representation of languages used in wealthy countries, especially to the distribution of speakers in the global population, and reflect English, has often given rise to a sentiment that the internet repreeconomic and social conditions in these parts of the world. The over-These statistics are obviously profoundly skewed in comparison

### Summary

relationships, and group contexts. ways so they can show feeling, play, perform, and create identities, inspires people to appropriate the cues that are on offer in creative caring in their mediated interactions, a communication imperative and accepting limited cues as a directive to live without emotion and explain what people do with language online. Rather than giving up relationships) and increasing the hostility of mediated interactions. are taken to have a host of effects, foremost among them decreasing the intimacy or personal quality of interactions (and subsequently ness, and the potential asynchronicity of a medium. Together, these online language use are the paucity of social cues, or media leana deterministic perspective, the two primary forces that influence There is a grain of truth in those claims, but they are inadequate to qualities, both of which affect the consequences they may have. From Mediated online messages are shaped by both technological and social

arity with the medium is an influence, as are their motivations for participating. Relational and group contexts, which may themselves in mobile texting, their signal boosted by mediation. People's famili-Social forces, both online and off, shape communication online and

be shaped through online discourse, matter. Most online communication happens against a backdrop of a shared history, whether that involves two individuals or a group that has had time to develop norms to guide appropriate behavior. People draw on long-standing practices in other media like writing, oral conversation, film and photography to guide their verbal and nonverbal activity in new media. Social identities including (but by no means limited to) gender and culture affect how people act and how their messages are perceived. The ways people communicate in these media have reshaped the media themselves, as developers respond to user creativity by automating emoticons, adding new ways to represent social cues (e.g. color, images, sound), and making it possible to use diverse alphabets through the technologies. In sum, mediated communication demonstrates many new qualities, but continues to display and reinforce the broader cultural forces that influence messages in all contexts.

4

# Communities and networks

After inventing one-to-one communication systems, it took the developers of what became the internet almost no time to develop platforms for group communication. Among the first such groups was SF-Lovers, a mailing list for science fiction fans. Accompanied by influential bulletin board systems such as the Bay Area counterculture hangout, The Well (Rheingold, 1993), and early multiplayer games, these group communication platforms were followed by thousands, then millions, of topically organized mailing lists, Usenet newsgroups, and websites. The advent of social network sites (SNSs) in the late 1990s provided another platform for groups and simultaneously posed challenges for them by foregrounding more loosely bound networks of individuals. Yet communities continue, even if it means creating Twitter hashtags.

Many online groups develop a strong sense of group membership. They serve as bases for the creation of new relationships as people from multiple locations gather synchronously or asynchronously to discuss topics of shared interest, role play, or just hang out. Participants have extolled the benefits of being able to form new connections with others regardless of location and to easily find others with common interests, the round-the-clock availability of these groups, and the support they provide. Members of these groups often describe them as "communities." Internet proponents such as Howard Rheingold (1993) touted a new age of "virtual community" in which webs of personal connection transcended time and distance to create meaningful new social formations. My own research on the newsgroup rec.arts.tv.soaps (r.a.t.s.) conceptualized the group as a community.

Given its emotional force, it's not surprising that this use of

a shudder through those concerned that, as Robert Putnam (1995, of connection for meaningful contact with their neighbors sends of people isolated indoors substituting Gergen's "floating world" 2000) famously put it, we are already doing far too much "bowling connections with shallow and inadequate substitutes. The specter raised fears of a "silicon snake oil" that replaced genuine and deep faith in community vastly short." Early critics such as Stoll (1995) in place of a community's manifold functions is to sell our common Lockard (1997: 225) who warned that "to accept only communication "community" generated strong counter-reactions from those such as

tions, they could threaten the real thing. connections but, if they take us away from embodied local interactechnologies have potential to engage us more closely in communal with towns, cities, and nations suffering the consequences. Digital worry that people are losing connections to their local communities, with and facilitated by communication technologies have led many to political engagement. Historical changes occurring in conjunction new media and question their impact on interpersonal, civic, and tend to doubt the authenticity of social connections sustained through technologies, you should. As we've seen in previous chapters, people action that have reverberated through the history of communication If you hear echoes of the hopes and concerns about mediated inter-

and diffuse yet centralized connections. In closing the chapter we'll grounded communities. look at how digital media connect with participation in geographically ing how these more recent platforms have afforded more personalized online group "community." We turn then to social networks, explornetworks online. First, we'll ask what is meant when people label an In this chapter we'll look at how people organize into groups and

## Online community

use of the site? What kind of "community" was being invoked when its millions of users were united into a common group through mere nently featured the term "community" on its navigation bar, as though What did it mean when YouTube, with its millions of users, promi-

> one platform can host many different groups. mere existence of an interactive online forum is not community, and ing practices of male subgroups with which they had to contend. The presence, just as the female vloggers resented the sexist commentmany of the amateur media producers resented her and her fans' with the other groups. Thus, when Oprah decided to join YouTube, a single collective. Instead it is comprised of many subgroups, each with its own practices and purposes, which are sometimes at odds of variety. YouTube, as Burgess and Green (2009) show, is far from nologically based definitions of "community" fall apart in the face peek below the surface of any one online platform to see that techaffordances lead to differences in group behavior. Yet one need only selves to different sorts of group formations, and differences in digital happens on-site. Different technological platforms do lend themconnotations without having to deal with questions of what actually it a "community," and hope to reap the benefits of the term's warm ers (Preece & Maloney-Krichmar, 2003) who can create a site, call online community . . . in less than a third of the time it would have definitions of "community" appeal to developers and also to markettaken them to build the community internally?" These technological website that they built a client "a highly scalable, function rich, flexible the digital services company Sparta Networks (n.d.) boasted on their

repeatedly invoked it to describe their online experiences, saying munity" in her interview questions (2008: 212-13), her interviewees mediated social dynamics. Although she did not use the word "comcommunication online, in order to explore their perspectives of interviews with 87 people who self-identified as active users of group of interpretations, it remains useful. Chayko conducted electronic on how, or whether, definitions of community should be updated." condition for the development of close, primary social bonds," wrote Despite (or perhaps because of) the term's openness to a variety Mary Chayko (2008: 6), "sociologists have not been able to agree theorist Ferdinand Tönnies declared community to be an essential to agree what exactly "community" means. "Ever since sociological definitions of "community" you choose. No one has ever been able a "community" depends first and foremost on which of many Whether you are willing to consider any digitally based group

interpersonal relationships. shared practice, shared resources and support, shared identities, and the term resonate for online contexts. These are the sense of space, both online groups and many definitions of community that make online communities are "real," I will identify five qualities found in than debate which definition is correct, and hence whether or not and even critics as they've tried to understand online groups. Rather a resonant handle for members, developers, analysts, marketers, am reluctant to drop the term altogether. "Community" has provided definitely feel the community on the board" (2008: 7). Like Chayko, I things like "I feel I am part of a tight-knit community" and "You can

Schuler, 1996: 120). ogy. The PEN system also sought "to provide an electronic forum native means of communication, delivery, and creating awareness of residents with: easy electronic access to public information; an alter-Monica's PEN system, had five objectives, including providing city networks to support local communities. One of the earliest, Santa and provide access for those without internet connections. Schuler sider common geography a necessary condition of "community." in order to promote an enhanced sense of community" (quoted in for participation in discussions of issues and concerns of residents public services; and the opportunity to learn about computer technol-(1996) runs through several examples of efforts to create online community, creating community networks to toster civic engagement Monica, California, turned to the internet as a means of building local From early on, geographical communities such as Berkeley and Santa Those who argue online groups cannot be communities often con-

often used to describe the internet. Consider the term "cyberspace," coined by science fiction author William Gibson, or the western United States metaphor in the subtitle of Rheingold's now classic hardware platforms constitute "spaces" is integral to the language places. The feeling that online groups meeting on software and who are involved in online groups often think of them as shared Most online groups are not so tied to geographical space, yet people

> 1993 book The Virtual Community: Homesteading on the Electronic Frontier.

aesthetics, and a homelike atmosphere. easy access, known regulars, playful interaction, (sometimes) homely provide sites of neutral ground, equal status, sociable conversation, and Williams's analysis of MMORPGs as third places shows how they sites of informal social life, critical to social cohesion. Steinkuehler 1989: front cover). Third places, neither work nor home, are vital through the day" in well-functioning cities and towns (Oldenburg, centers, beauty parlors, general stores, bars and hangouts that get you ronments function similarly to the "cafes, coffee shops, community and Williams (2006) use Oldenburg's ideas to argue that these envisecond chapter of his book around Ray Oldenburg's concept of a "third - in that environment (Nardi, 2010). Schuler (1996) organizes the place." Similarly, in their analysis of two MMORPGs, Steinkuehler create buildings, parks, and other emulations of physical spaces, also tion into guilds, shapes the sense of community - or communities graphics of World of Warcraft, combined with participants' organizalends itself to spatial understandings of "community." The immersive experienced as semi-physical realities. Second Life, in which users games (MMORPGs) where fictional worlds built through code are environments such as massively multiplayer online role-playing The metaphor of space is particularly applicable in visual online

!!!"). People also form groups to discuss cultural materials tied to LOOK AT THIS THING I SAW IN A LAWRENCE, KANSAS ALLEY locations special to them (e.g. the Facebook group called "MAN !!!! national and regional issues or to share the things that make their reference to geographical location. People form groups to discuss to go elsewhere. Furthermore, online groups can be organized with the hall to go to The Bronze, as though she were leaving the apartment ing at herself for saying goodbye to her partner before walking down interviewed frequently referred to the board as a place, one even laughher ethnographic film IRL: In Real Life. This board was called "The Bronze" after a hangout in the television show. Members Tuszynski the Vampire Slayer documented by Stephanie Tuszynski (2007) in was the case in the official board for fans of television show Buffy Textual groups can also be metaphorically based on space, as

particular regions, as I've described in the context of Swedish independent music's international fans (Baym, 2007). With the rising use of social media in social protests (to which I will return below), many ad hoc groups emerge throughout Twitter, Facebook, and elsewhere, enabling rapid organization but also governmental surveillance.

### Shared practice

A metaphorical sense of shared space is thus one criterion that people use when they label digitally mediated groups "communities." Community can also be found in the habitual and usually unconscious practices – routinized behaviors – that group members share. Communities of practice include occupational, educational, and recreational groups as well as regional ones (e.g. Dundes, 1977; Lave & Wenger, 1991). Because language is the primary tool through which digitally mediated groups cohere, the concept of "speech community," which foregrounds shared communication practices, has been particularly useful for many of us studying online groups. Speech communities have distinctive patterns of language use which enact and recreate a cultural ideology that underpins them (Philipsen, 1992).

Online speech communities share ways of speaking that capture the meanings that are important to them and the logics that underlie their common sensibilities. Groups share insider lingo and literacies including acronyms, vocabulary words, genres, styles, and forms of play. In my book *Tune In*, *Log On* (Baym, 2000), I wrote about a soap opera fan group (r.a.t.s.) on Usenet. I spent years reading the group and conducted close analysis of the ways in which language created a social context akin to community. Members of r.a.t.s. used many terms comprehensible to insiders, including the acronym "IOAS" for "It's Only A Soap" and numerous nicknames for characters.

Though I would not consider Twitter a single community, any more than YouTube, its users do share some practices, shaped both by technological affordances (the 140-character limit) and by other internet trends such as LOLspeak (see chapter 3). The power of being able to speak like a Twitter insider was evident when the four founders of Swedish file-sharing site The Pirate Bay went on trial in

as "EPIC WINNING LOL" he quickly won the hearts of his followers (if not the court), who saw one of their own in his use of language. They did not win the trial, but the Swedish election of a member of the Pirate Party to the European Parliament in the wake of their conviction was evidence of the popular support they had gained. The discussion of Black Twitter (Brock, 2012; Florini, 2013) in the previous chapter provides one example of playful language use that serves to build a distinctive community. Image memes, which often emerge on the site 4Chan and then move to Reddit and Imgur, and are old news by the time they appear on Facebook, are another example of shared practice that requires a sense of group identity (Milner, 2012; Miltner, 2014; Shifman, 2012).

These terms and genres are markers of insider status and hence help to forge group identity (see further discussion of this below). They also indicate groups' core values. IOAS did not just mean "it's only a soap opera," it also meant that the group valued soap operas and understood that one could be involved enough to find them frustrating yet not be the lifeless idiots represented by the soap viewer stereotype. The phrase simultaneously validated group members' shared love of the genre, self-representation as intelligent, and their shared frustrations. Tweeters' use of "epic" demonstrates the shared values of humor and irreverence. Rage Comics' frequent representations of socially awkward young white men, like the Socially Awkward Penguin meme, speak to the shared masculine geek culture of sites like 4Chan and Reddit (Milner, 2012). Summer postings of "hot dog legs" on Instagram demonstrate the values of leisure, luxury, and the body amongst young female Instagrammers.

Shared practices entail *norms* for the appropriate use of communication. In a piece on norms and their violations on Facebook, McLaughlin and Vitak (2011: 300) define norms as "a framework through which people determine what behaviors are acceptable and unacceptable." Norms can be explicitly stated, but they are often implicit, negotiated without discussion. Ongoing groups develop standards that guide members' behavior. The "NSFW" (Not Safe For Work) Tumblr community Katrin Tiidenberg studied (e.g. 2014) had distinct norms about sexiness, emphasizing that every woman's body

are devoted entirely to sharing spoilers. spoiled by this advance information to avoid such posts. Other groups the story ahead of time. This enables those who don't want the show ers" should be included in the subject lines of posts which give away television shows and movies often have a norm that the word "spoilconventions, newsgroup-specific conventions, ethical violations, inappropriate language, and factual errors. Online groups that discuss including incorrect use of technology, bandwidth waste, network-wide instances, they identified several issues that spanned Usenet groups, critical response from other users. In an early study, McLaughlin, constitutes a sexy image. Violations of these norms are often met with participants had been castigated for misbehavior. Analyzing those Osborne, and Smith (1995) collected messages from Usenet in which can be appealing, and training one another in the aesthetics of what

able to earn it by acting in accordance with that ethos. lines. No one enters the community with trust, but new editors are openness, fairness, objectivity, consensus, and following the guideof the word "community" by Wikipedians, Pentzold (2011) describes editor or rising through the editorial ranks. In his analysis of the use ered. On Wikipedia, adherence to norms is critical to remaining an that they guide one's communication without having to be considinvolves a process of being socialized to these norms and values so Wikipedia as an "ethos-action community" committed to ideals of they formulate their messages. Instead, becoming a group insider 1996). Group members do not have to think about these norms as gies designed to minimize offense and maximize affiliation (Baym, agree that . . ., but I still thought that . . ."), and other linguistic stratewith one another. Their disagreements were packed with qualification friendliness, which could be seen in the details of how they disagreed materials with the group. Users of r.a.t.s. shared a commitment to to an implicit norm that people must be thanked when they share ness, particularly when people violated norms, but attended carefully discussion board for my favorite band tolerated a great deal of rudenone of it, while other groups tolerate and even encourage it. The ("I might be wrong but I thought that ..."), partial agreement ("I flaming (Lea et al., 1992); the soap opera group I studied would have In the last chapter, we saw groups differ in their attitude toward

> depended on both the nature of the violation and the relationship. them. How people responded to violations of those Facebook norms ing, or tagging pictures of other people that reflect negatively on many status updates, not writing overly emotional updates, fightfriend requests (accepting was generally preferred), not posting too and Vitak (2012) voiced norms regarding whether to accept or deny 2007). On Facebook, the undergraduates interviewed by McLaughlin and definitions of acceptable or 'correct' Dodgeball use" (Humphreys, tested"; subgroups "may have different tolerance levels, expectations, uncertain, "normative Dodgeball use is not only emerging but conone's location to the network. Just as the norms around friending are were norms regulating things such as how often one should post interviews with users in seven American cities. She found that there of our community." Humphreys (2007) observed the short-lived develop norms for what constitutes truth in terms of "the mores location-sensitive SNS Dodgeball for one year and performed in-depth fusion and interpersonal conflict. Donath (2007) argues that SNSs were not uniform and, as we will return to in chapter 6, caused conand Friendster. Both studies found friending norms, although they arise around friending. boyd (2006) interviewed users of MySpace and Raynes-Goldie (2006) interviewed users of LiveJournal about their reasons for friending people on that site and the issues that Social norms also emerge in social network sites (SNSs). Fono

tions in the group. When people broached irresolvable disputes over sand of the group's 90,000 emails, and conducted semi-structured analysis of all the wiki pages as well as samples from several thouperformed both qualitative thematic analysis and quantitative content sion on-topic (Hansen, Ackerman, Resnick, & Munson, 2007). They interviews. They found that the wikis served several normative funcan alternative space that allowed members to keep the list discusthat also maintained a wiki repository that worked as a FAQ and as tors studied a question-and-answer mailing list for web developers Web boards often include them as a link. Hansen and his collaboraon, these appeared as regularly occurring posts in message boards. enshrined through FAQs (Frequently Asked Questions files). Early ated, and taught through members' shared behaviors. They are also Community norms of practice are displayed, reinforced, negoti-

losing old members who had been through those questions many "friendly and professional tone," and socialize new members without This allowed the list to avoid irresolvable "holy wars," maintain the topics such as font size, they could be gently referred to the wiki

fame on Instagram (Marwick, in press). selfies best capture the aesthetic of celebrity photographs may achieve might be most appreciated on Facebook. Good-looking people whose with the right mix of humor, self-deprecation, and thoughtfulness communities. Friends who post status updates at the right frequency helpful advice might be considered the best contributors to support good fan fiction might be celebrated, while those who give especially particularly funny posters were those most frequently mentioned as valued humor and insight in their posts, and, in surveys I conducted, "good" contributors. In fan communities, those who write particularly just his insider status, but also his Twitter skill. Participants in r.a.t.s. phrase "epic winning" and the acronym "LOL" demonstrated not municative practice. The Pirate Bay founder who knew to use the Online groups also share norms for what constitutes skilled com-

action would eliminate hierarchy and render all participants equal optimistic predictions that the absence of social cues in online intershould be obvious. unmoderated groups, power structures may be implicit and emergent structure. Some of the norm-maintaining jobs that moderators do that power structures are both explicit and built into the group's very etal and centrifugal forces, i.e. forces that seek some unified central (Preece & Maloney-Krichmar, 2003). The contrast between this and inappropriate or distracting, and fixing problematic formatting. In include keeping the group on-topic, deleting posts that they deem margins" (Stivale, 1997: 139). Many groups are moderated, meaning 'command' versus those seeking to contest such unification from the or not suggests once again the ongoing struggle between centrip-LambdaMOO and argued that "the ambiguity of what is appropriate Stivale, for example, examined the variants of what counts as spam in creating and regulating behavioral standards within group contexts Hierarchies form online, giving some people more say than others in Normative standards always implicate power structures

> each city (Hochman & Manovich, 2013; Hochman & Schwartz, 2012). poral and color patterns, displaying distinctive "visual rhythms" in posted to Instagram from different cities likewise demonstrate temlasting through mid-afternoon Sunday. Studies of millions of images and peaked Tuesdays and Wednesdays and was at its lowest during the "college student weekend" beginning mid-afternoon Friday and grounded in local norms. For instance, messaging took place at night messaging was guided by strong temporal rhythms that were often that site, Golder, Wilkinson, and Huberman (2007) found that exchanged by 4.2 million North American Facebook users through from 362 million fully anonymized private messages and "pokes" this was only true for women's profiles. In an analysis of the metadata questionable behavior result in more negative perceptions, although forming impressions online. Wall posts describing excessive and participants did rely on societal and peer group standards when assessed perceptions of those profiles. They found that college student manipulated Facebook profiles to demonstrate those behaviors and describe what constituted good and bad peer behaviors. They then (2008) conducted an experiment in which they first had focus groups norms (Donath, 2007). Walther, Van der Heide, Kim, and Westerman looking," they are likely to feel pressured to conform to those groups' where people may be "aware that their friends and colleagues are which users live, as we saw in the last chapter. On social network sites, Social norms are also rooted within the behavioral contexts in

## Shared resources and support

receive social support in online groups, they are contributing to one because of their network of relationships. When people provide and of definitions." In essence, it refers to the resources people attain Steinfeld, and Lampe (2007) explain, is "an elastic term with a variety support is "social capital" (Coleman, 1988). Social capital, as Ellison, the term "community" in digital contexts. Closely related to social portive exchange of resources is often implied when people use to obtain a wide variety of help" (Wellman, 1988: 97). The suprelationships in which each community member felt securely able Communities are often defined as "composed of broadly based

share strong relationships. The internet and social network sites exchanged between people who differ from one another and do not another's accumulated social capital. Social capital may be either it is also common to find members of online communities and social is a "sociological lubricant," the latter is "a kind of social superglue" exchanged between people in close relationships. While the former "bonding" or "bridging" (Putnam, 1995, 2000). Bridging capital is strong ties (Wright, Rains, & Banas, 2010). between weak ties may be more stress-reducing than those between often found in close relationships. Indeed, supportive exchanges networks providing one another with the sort of emotional support ing capital, exchanged in relationships that are highly specialized, yet (Steinkuehler & Williams, 2006). Many online groups provide bridg-(Hampton, Lee, & Her, 2011). In contrast, bonding capital is usually lend themselves to and expand the potential for this kind of capital

explicitly support groups. Forums abound for people with medical ceptions of self-efficacy, better coping, improved task performance, a disease. Extreme body modification communities support those support to those who view anorexia as a life-style choice rather than enabling support groups." The "pro-ana" sites they studied provide what Haas, Irr, Jennings, and Wagner (2011) call "online negative as inherently good, there are cases that push or cross that boundary life circumstances. Though one might be inclined to think of support conditions, addiction, traumas, and other debilitating or stigmatizing ity (Burleson & MacGeorge, 2002). Some online communities are better disease resistance and recovery, and lowered risk of mortalpositive effects include better psychological adjustment, higher perself-expression, but which many consider mutilation and which may interested in changing their bodies in ways practitioners embrace as be illegal (Lingel & boyd, 2013). Social support offers many benefits to its recipients. Documented

of people who had posted to Usenet support groups. Their research online, including the security provided by anonymity, the ease of them, and the social distance from others. Online support can allow access to these groups, the ability to manage one's interaction within identifies four motivations for people to seek this kind of support Walther and Boyd (2002) conducted an email survey of a sampling

> important for those without local support groups. glements and threats of close relationships. These groups are also people access to bonding and bridging resources without the entan-

& Russell, 1990). Social integration or network support: are not explicitly designated as supportive (Wellman & Gulia, 1999). There are several, often overlapping, kinds of social support (Cutrona The provision of social support is common even in groups that

enable a person to engage in various forms of social and recreational activities. ests and concerns. Such relationships reflect more casual friendships, which enables people to feel part of a group whose members have common inter-(Cutrona & Russell, 1990: 322)

status within and outside of the fan group (Kibby, 2010). 29). The recreational information exchanged amongst fans online emerging from participation within knowledge communities" (2006: to understand "how they may deploy the new kinds of power that are becomes a form of subcultural capital that can bolster individuals' participants." In the long term, Jenkins posits that they were coming participating in an elaborate scavenger hunt involving thousands of entrants had been officially announced or the first show had aired. ants and even the winner of the sixth season's contest before the In the short term, this group was "just having fun on a Friday night this group collaborated to figure out the identities of all the contestence is predicated on a desire to organize around common interests "knowledge community" described by Jenkins (2006). Members of for social and recreational purposes. Consider the Survivor spoiler fan Online fans and hobbyist groups exemplify this, as their very exist-

donations to the March of Dimes, a nonprofit organization working support that crashed the servers and generated more than \$20,000 in the Los Angeles Times (Bermudez, 2009) described an outpouring of When Spohr's daughter passed away unexpectedly at 17 months, birth at 29 weeks. She and her readers built strong connections. blogger," had been writing about her daughter since her premature 322). In one striking example, Heather Spohr, a prominent "mommy feel that he or she is cared for by others" (Cutrona & Russell, 1990: comfort and security during times of stress, leading the person to Emotional support represents "the ability to turn to others for

online groups found that most demonstrate empathic communicacommon in explicit support groups, a content analysis of diverse tion and provide emotional support (Preece & Ghozati, 1998). to help prevent birth defects. While emotional support may be more

surveyed people who posted to Usenet groups for homosexuals. They capable" (Cutrona & Russell, 1990: 322). McKenna and Bargh (1998) his or her skills and abilities or expressing a belief that the person is esteern" through the provision of "individual positive feedback on that the anonymity of online groups allows people to engage in riskier likely to come out to their loved ones. McKenna and Bargh concluded feedback for their gay identities, their self-acceptance increased and found that newsgroups contributed to "identity demarginalization. self-appraisals, affirming one another by accepting without contradicstudied by Haas et al. (2011) supported one another in their negative self-disclosure and, when that is affirmed, such groups can create possense of estrangement dropped. As a direct result, they were more As people participated within the newsgroups and received positive unattractive within that community. came to abhor images of gay masculinity and to feel marginalized and Facebook to connect with other gay young men, but in so doing often Elija Cassidy (2013) studied in Brisbane, Australia, used Grindr and tion their expressions of self-loathing and worthlessness. The men itive changes in people's self-concepts. In contrast, the pro-ana groups Esteem support bolsters "a person's sense of competence or self-

may be about topics as diverse as writing CSS or managing one's love sible solutions to a problem" (Cutrona & Russell, 1990: 322). Advice informational (and emotional) support, as seen in this exchange when life. Much of the communication on Oprah's web board exemplified affections for her. Phyllis g advised: Brokenhearted girl wrote about her ex-boyfriend's on-again off-agair Informational support offers "advice or guidance concerning pos-

hanging on!! Guys do this all the time. They will break your heart . . . knowing what she said is right-on!! I, too, think your ex-boyfriend is trying to keep you Listen to what all frostingr112 had to say to you today . . . she is wise and of those boundaries for yourself!! Your pain is very genuine to me. I know and about them.. It makes me sick!! Girl.. Maybe it's time you just start setting some that you love them. and then feel some sort of . . . male "thing" when you cry

> self. You are going to continue to stay sick!! And, you are sick . . . he is like a (Phyllis g) drug for you. YOU got to make a step . . . toward recovery!! He is an addiction!! ... if you keep focusing on him and never really try working this out for yourcan feel threw the computer and threw your words that you need help . . . but

Frosting 1112 later returned to the thread, offering emotional support:

God will bring you peace if you let him!! (Frosting 1112) confused and upset to me.. I hope and shall keep you in my prayers. And know Hi again. Hope things are getting better for you girl.. You still sound a little

esteem support: In response, Brokenhearted girl provided the others in the thread with

beautiful as the sweet spirit that I know from all of you!! I wanted to thank you all for you beautiful reply. I could only hope to be as

to keep outsiders out, or, as one of the body modifiers interviewed by Lingel & boyd put it, "keep it secret, keep it safe." Information within such groups may be managed in ways designed from others in their lives (Haas et al., 2011; Lingel & boyd, 2013). taneously seek information and seek to hide that information-seeking anorexia - informational support becomes fraught, as people simul marginalized identities - including extreme body modification and and casual acquaintances with resources. In groups supporting return to in discussing people's motivations for providing strangers of much supportive behavior in online communities, a point I'll This exchange demonstrates the cyclical and self-reinforcing nature

projects through sites like Kickstarter and Indie Go-Go. The musician turned to their online communities and networks to crowdfund their In recent years, increasing numbers of artists and entrepreneurs have groups places to stay, or at least meals, when they visit their towns him to recover. People often provide traveling members of online damage to his home, members of the site sent him money to help at Daily Kos, a left-leaning political blogging site, suffered extreme and Russell call this tangible aid. When one of the regular writers for them, and by providing them lodging and other services, Cutrona Amanda Palmer, for instance, was able to raise US\$1.2 million for ar When people support one another with money, by doing things

for which he had initially sought \$10.) Ohio raised more than \$60,000 on Kickstarter to make a potato salad her online community to donate \$74,000 for her album California Years. (In the realm of absurdity, Zach Danger Brown of Columbus, more modest yet still impressive scale, Jill Sobule was able to motivate album from her fans, though she initially requested \$100,000. On a

increase people's status and prestige within online groups (Matzat, may lead to receiving support should you ever go looking for it in the a sense of efficacy (Kollock, 1999). Offering support to others now future (Kollock, 1999). Being a skilled provider of resources can also the feeling that they are needed. Helping others online may give people to as a sixth form of social support: supporting others gives people all? One reason may be what Cutrona and Russell (1990: 332) refer this kind of support to people you hardly know or may not know at risks to support those you already know and love, but why provide makes obvious sense to take the time and financial and emotional of public goods that can be used by unknown recipients one might immediately (Kollock, 1999). One might ask why people do this. It never encounter again and whom one can't expect to reciprocate ing in online groups collaboratively build a replenishing repository As they share resources in public group contexts, people participat-

### Shared identities

In a music group I frequented, there was a fan known for regularly consistent and systematic behaviors that serve a particular function. alists, fans, discussion artists, flame warriors, and trolls" (Welser, most common roles are "local experts, answer people, conversationa shared sense of who "we" are that may be pre-existing or develop hunting down and sharing photographs of the band. In r.a.t.s., one Gleave, Fischer, & Smith, 2007). People assume roles by enacting within a group. Many regulars take on specific roles. Some of the personalities and roles assumed by individuals. Identities also include environments. Shared identities are also important. These include of social support all contribute to a feeling of community in digital The sense of shared space, rituals of shared practices, and exchange

> music (Baym, 2007; Baym & Burnett, 2009). labels, and others professionally involved with Swedish independent this role gain status amongst the fans, as well as with the musicians, the community of fans of Swedish music, a particularly powerful and recognizable identity was that of mp3 blogger, and the few who claim contributor posted the "shout out" to new posters each morning. In to continue participating, a role seen also in The Bronze, where one tributors with an enthusiastic response designed to encourage them woman took on the role of welcome-wagon, greeting all new con-

participant asks for it. are less visible than the fact that the answer person is a regular, one who can be counted on to provide informational support when a new the point of view of regular participants, these structural signatures "behavioral and structural 'signatures'" (Welser et al., 2007). From pants in "discussion people's" threads. They conclude that roles have people" contributed, while there was a great deal amongst particimunication amongst the individuals in the threads to which "answer both initiated and responded. Furthermore, there was very little comfrequently responded yet never initiated, while "discussion people" that several roles could be identified from metadata. "Answer people" 6,000 messages from three different newsgroups, they determined from structural information alone. Based on a sample of almost could identify people who play roles within Usenet communities Welser and his colleagues (2007) were interested in whether they

one might argue that some speak far too much, few would argue that lens, a valuable mode of participation in online communities. Though mailing list wrote half of the messages. As Crawford (2011) has noted, while the top 10 percent of posters wrote half of all messages (Baym, lurking can be better understood as listening, and, seen through that 2000). Hansen et al. (2007) found that the top 4 percent of the CSS-L do so rarely. In r.a.t.s., more than half who posted did so only once, people who looked at that board each month, fewer than 100 ever sorts for that fan community, had a message board. Of the 30,000 left comments or contributed. Most who do post to an online group Scandinavian music newszine, It's a Trapl, that served as a hub of ties is that of "lurker," the person who reads but never posts. The The most common role in most, if not all, online communi-

a message responded to it. the quality of online discourse would be higher if everyone who read

and posters in terms of age, gender, education, or employment. They sample from 375 online groups found no differences between lurkers cated that they lurked because they did not like the group's dynamics reason for lurking. Some simply couldn't make the software work or had nothing to offer. Technical problems with posting were a fourth ing to the well-being of the community by staying silent when they enough about the group's norms or the topic of discussion, or may contributing their own messages. Some felt they needed to get to they were already getting what they needed from the group without which Preece et al. (2004) collapse into five. First, many lurkers felt 13.2 percent did). Their silence was motivated by a variety of reasons lurkers had not intended to read without posting from the outset (only of the community than were lurkers themselves. The vast majority of group membership that they expected, felt a lower sense of group sought answers and less likely to feel they attained the benefits from did find that lurkers were less likely to read the group because they Andrews (2004) investigated the reasons for silence. Their survey of a or because they feared aggressive responses. perhaps because the participants seemed different from themselves did not know how to post their own messages. Finally, people indihave felt shy. Several indicated that they believed they were contribut. know the group better. For instance, they may not have felt they knew posters. Ironically, posters were more likely to consider lurkers part belonging, and respected the other participants less than did the Given the prevalence of this silent majority, Preece, Nonnecke, and

develop names for themselves, such as those in the Buffy fan group or opposition to outgroups (Spears & Lea, 1992). This is very striking munity. These group identities foster ingroup norms and resistance social identity or schema of who they are that is shared amongst them who referred to themselves as "Bronzers." As I showed in Tune In. modification groups, but is common elsewhere as well. Groups may in the case of pro-ana groups, and is also seen in the extreme body (Tajfel & Turner, 1986) and which contributes to the feeling of com-Log On (Baym, 2000), the soap fans in r.a.t.s. defined themselves as Groups sometimes develop a sense of themselves as a group, a

> post responding to one such flame: to trolls who attacked that self-image, as seen in this excerpt from a identity was rarely made explicit, and only stated outright in response nant stereotype of soap opera fans as lazy, stupid women who watched and who had rich, rewarding lives. This was a response to the domiintelligent and witty people, primarily women, who loved soap operas, because they had nothing useful to do with their time. This group

Chinese or Japanese, I admit, will take me a little longer to handle. in which you may feel adept. Feel free to reply in French, German, or Spanish theatre, the pros and cons of recycling, the deterioration of the ozone layer, cloning, new advances in immunosuppression and drug design, Montessori, camping, cycling, gourmet cooking, fitness and nutrition, or any other topic global warming, James Bay, the Alaskan wilderness crisis, hiking/climbing/ James (Henry or William), Kierkegaard, Friedman, Piaget, classical or modern Let's discuss Sartre, Kuhn, Locke, Tolstoy, quantum vs. classical mechanics, (that's structural bio-physical chemistry). You say you are well read, Mark? try, and in a few more than a few more months, a PHD in X-ray crystallography What do I know? I've only got a suma cum laude BA degree, an MS in chemis

popular in Japan. people congregate online, and, at least as of this writing, Line is wildly Europeans may flock to Facebook, but in China it is Weibo where the groups and social networks people join. Americans and many first edition of this book have since folded). Geography also influences sites may have trouble staying in business – several mentioned in the knitting enthusiasts, or FanNation for sports fans (although these for African-Americans, Jake for gay professional men, Ravelry for sites too are designed for specific social identities such as BlackPlanet or ethnicity, a profession, or another affiliation. Many social network identity. Many online groups are designed for people who share a race People may also join groups because they already share a social

## Interpersonal relationships

members post reports of having met or spent time with one another ships and sometimes romances are made visible to the group when which the next two chapters will consider in more detail. These friend-Online groups provide contexts for forming one-on-one relationships,

a social mesh that underlies and helps to connect the broader web of interconnection within the group more closely. to form webs of personal relationships." Interpersonal pairs provide those public discussions long enough, with sufficient human feeling, aggregations that emerge from the Net when enough people carry on invoked when he famously described virtual communities as "social tant contributors to the sense of connectivity that Rheingold (1993: 5) (Baym, 1995). The visible pairs of connections that form are impor-

### Networks

crucial social transformation of late modernism is a shift away from staking out a middle ground between private dyadic encounters and chat. Since the early 2000s, SNSs have become increasingly popular, conducted through private channels such as private messaging or personal community. vidualism" in which each person sits at the center of his or her own tightly bounded communities toward increasing "networked indi-Quan-Haase, Boase, Chen, Hampton, & de Diaz, 2003) argues that a tightly bounded group interactions. Wellman (e.g. 1988; Wellman, Messages go to all members. One-on-one communication is backstage, Thus far, I've focused mostly on groups which have clear boundaries they are located at one website or have the same mailing address.

of all users. The only messages available to all users are those sent and/or interact with streams of user-generated content provided by may constitute groups, but social networks are egocentric and no people's social networks overlap and are internally organized, they people tied to a user's individualized network, which is a tiny subset can be viewed and traversed by others; and (3) can consume, produce, and/or system-level data; (2) can publicly articulate connections that access to such personalized communities. Ellison and boyd (2013: by the sites themselves. To the extent that members of different their connections on the site." In SNSs, messages are only seen by that consist of user-supplied content, content provided by other users, platform in which participants (1) have uniquely identifiable profiles 158) defined a social network site as a "networked communication Social network sites are designed to afford organization and

> innovations such as hashtags on Twitter can help to increase the of the site that is individualized yet overlapping with others. User same set of people or messages, giving them each an experience two will be identical. Thus, no two SNS users will have access to the

a shared but distributed group identity. The fans of Swedish indearound individual bands, and regular nights in local music venues music-based SNSs, blogs, news sites, other SNSs, sites developed and related mobile media, and in-person communication, creating meaning that groups of people now network throughout the internet (Baym, 2007). pendent music, for example, organized themselves into clusters on blogs, SNSs, and other platforms. I call this networked collectivism, themselves through the internet in interconnected webs of websites, do groups. Recent years have seen groups increasingly distributing Just as individuals organize themselves into networks online, so too

consequence that a crowd of regulars who contribute in predictable and play roles in some interrelated sites but not others, with the repetition. Identities are also harder to develop. People may frequent while those who hang out in all of them may encounter too much who hang out in some of the online spaces but not all may miss them, constitutes appropriate behavior in comments on YouTube videos sites, especially since each site is embedded in contexts that bring ways may be harder to find or discern. A sense of group identity may be deployed repeatedly to reach all community members, and people once. The resources exchanged in supportive interactions may have to may be quite different from in fan websites. In-jokes and jargon are with them their own communicative traditions. Norms about what hard to sustain when there are many places to be inside and outside at tices are less likely to develop when groups are spread throughout organized through multiple sites do not feel like places. Shared pracenvironment, the metaphor of space quickly unravels. Communities sum of their parts (Baym, 2007). When there is no single shared that can make these groups cohere into something more than the in a wider variety of ways, but also challenges many of the qualities ties to share more kinds of media with one another, and to interact This development has empowered members of these communi-

of the group as a whole (Baym, 2007). relationships, their existence may be less valuable for the coherence to others, meaning that, although they are valuable to those in the be difficult to build. Interpersonal relationships may not be as visible

# Engagement with place-based community

interaction affects engagement with one's geographical community. 2011). I turn now to whether and to what extent participation in digital to be engaging their screens rather than one another (e.g. Turkle, network sites as a threat to geographical community. People are said Critics often view the widespread use of online media and social

in real time invokes fears of separation from physical reality, hence space. The ability to communicate in the absence of shared space wise-mandatory connection between message delivery and shared their beginnings in bone scratchings is that they rupture the otherwhose interconnections civil society depends? nearby whose social support comprised communities of old and on we lose connection to space, do we also become detached from those the telephone would lead to a lost sense of place (Fischer, 1992). As worries about "no sense of place," and 100-year-old arguments that Gergen's (2002) concern about "floating worlds," Meyrowitz's (1985) One of the defining qualities of communication technologies from

impacts of digital media on people's local connections comes from one another, or how long they have been using it. There are serious or not they use the internet, how much they use it in comparison to surveys. Many of these divide users into categories based on whether using the internet or using it more than others may cause effects, theoretical problems with these strategies. They assume that simply 2001). More sophisticated measures attempt to distinguish different regardless of how it is used (Campbell & Kwak, 2011; Jung et al. digital photos, or used social networking services work, and whether they used Instant Messenger, blogged, shared the internet or not, whether they use it frequently from home or from instance, use multiple measures including whether participants use kinds and contexts of internet use. Hampton, Lee, and Her (2011), for Testing this is not easy. Most of the data that we have about the

> pation offline (Boulianne, 2009). The roles of the internet in civic and dystopian critique that time spent online detracts from social particiof studies are mixed. As a whole, though, they do not support the political engagement are vast and well beyond the scope of this book follows to be a cursory look. (see, e.g., Dahlgren, 2005, 2009; Hartelius, 2005), so consider what It's not surprising, given the range of measures, that the results

### Civic engagement

also had more diverse social networks. offline. They also stayed in touch more with long-distance friends nections and communicated more with neighbors both online and network sites knew fewer neighbors than those who did not, but they Lee, and Her (2011) found that, on average, people who used social non-wired residents did not have (Wellman et al., 2003). Hampton, and relatives who continued to provide them social support that the high-speed access when they moved in had three times the local conup, Hampton and Wellman (2003) found that those who had the in a study of a suburb of Toronto built to be wired from the ground non-users were most likely to know them all. On the other hand of the internet and found that recent users knew the fewest, while compared people who had used the internet recently to non-users people how many of their neighbors they know. Katz and Rice (2002) Valenzuela, 2011: 399). One way to assess civic engagement is to ask theless, are conducive to the collective well-being" (Gil de Zúñiga & and/or community issues that are not political by nature but, never-People are civically engaged when they act in ways that address "social

online Americans with the means to create online groups for their munity. In his "I-Neighbors" project, Hampton (2010) provided all people's local networks and extended their participation in the comare more than 10,000 neighborhood groups in Yahoo!'s group direc-Mesch and Levanon (2003) found that the list increased the size of (Hampton, 2010). In a study of a neighborhood email list in Israel, tories, one of many sites that offer neighbors the means to connect their connections to one another and to their communities. There When the internet is used to connect neighbors, it can enhance

collective efficacy of those who are economically and structurally dis-6,000 neighborhoods, although 80 percent only attracted 1 or 2 up in ways that empower their communities. advantaged. However, it seems evident from these studies that simply local activities such as cleaning up the yards of elderly neighbors. disadvantaged communities. People used these groups to organize participants. But 28 percent of the most active neighborhoods were neighborhoods and then studied those groups. People created over providing a means of connection does not ensure that people take it Hampton concluded that the internet has the potential to increase the

internet use and engagement with clubs and volunteer organizaengagement. Several surveys have looked at the relationship between engagement in clubs and organizations as a means of assessing civic of community in American life, Putnam (1995, 2000) emphasized volunteer work, work on a community project, contribute money to a phones to exchange information and opinions were more likely to "do representativeness vis-à-vis census data. People who used mobile at mobile phone use and civic engagement, Campbell and Kwak de Zúñiga & Valenzuela, 2011: 401). In one of the few studies looking engaged than those who use it for "entertainment and diversion" (Gil acquisition and community building" are more likely to be civically whether or not they do; those who use the internet for "information civic associations. How people use a medium matters more than that internet and social network site users spend more time with such Katz & Rice, 2002). Though differences are small, these studies find Valenzuela, 2011; Hampton, Lee, & Her, 2011; Katz & Aspden, 1997: tions in the United States and Canada (Cole, 2000; Gil de Zúñiga & sion from chapter 1 about the importance of skill in understanding and [work] on behalf of a social group or cause." Echoing the discussocial group or cause, go to a community or neighborhood meeting, (2009) polled a stratified sample of Americans chosen to reflect their important in enabling their use for civic purposes. able with the technology. Designing technologies for ease of use is phone for civic purposes was more likely when people were comfort issues of access, Campbell and Kwak found that using the mobile In choosing the decline of bowling leagues to epitomize the decline

One can argue that the increases in public wifi and mobile media

and Sessions (2010) found that wifi users did pay less attention to realms. In an observational and interview study of four public parks and hence less likely to engage the diverse people found in public mean that people are less engaged with their physical environments park, and most were actively engaged with other people through their asked, 28 percent of them said that they had met a stranger in that themselves off to interaction with others in the park. However, when their surroundings. They kept their heads down and hence closed with wifi in two countries (the USA and Canada), Hampton, Livio, with connections.

were alone. In short, people are more likely to be with others in public percent in one New York City park, and the average was considerably in public, and that cross-sex pairings were more common now. historical counterparts. They also found that there were more women filmed the same public places in Boston, New York City, and to examine this, Hampton, Sessions-Goulet, and Albanesius (2014) munication, at least in public space. In an ambitious study designed look at their phones. This hardly suggests a withdrawal from public than they used to be and, when they aren't, a small percentage of them Museum of Art, most people they observed using a mobile phone lower. With the exception of those on the steps of the Metropolitan these days, the highest mobile phone usage they found was 9.68 Despite the common perception that everyone stares at their phone found that people in 2008-10 were less likely to be alone than their Philadelphia as did sociologist William H. Whyte in 1978-79. They past in which people spent more time engaged in face-to-face com-Complaints about screen-obsession are often cast in contrast to a

sociably, they are also used at times to avoid bumping into people you networks like Grindr (Cassidy, 2013). Such networks can be used to and features designed to help people find each other in space know (Humphreys, 2010). meet potential romantic partners and friends (Cassidy, 2013). Less now covered by Foursquare/Swarm, Facebook places, and specialty Dodgeball (Humphreys, 2007) was an early example of the ground People who know one another use locative media - applications

In times of crisis such as natural disasters, warfare, or social

ous choice to serve as their community's primary warning system. in Mexico to map patterns of tweets onto local events and locations. boyd, Kiciman, De Choudhury, and Counts (2013) analyzed an enorthough supplemented through other platforms. Monroy-Hernández, people organize through use of a common hashtag, usually on Twitter, 2014; Bruns & Burgess, 2011; Potts, 2014). These loose collections of offer and organize support (Agarwal, Bennett, Johnson, & Walker, turmoil, people create "hashtag publics" to share information and to into silence, they argue, leaving local communities dependent on The Mexican government and news media have been intimidated They also interviewed residents who had made the potentially dangermous corpus of tweets using hashtags associated with the narcowars civics and politics (Shklovski & Valtysson, 2012). enthusiasts in Kazakhstan, for whom explicit political engagement is ronments and to engage one another civically. Similarly, automotive volunteers on social media who share real-time information on viorisky, organize online and off in ways that blur boundaries between important ways people use social media to support their local envilence. This example of citizen journalism speaks to the innovative and

## Political engagement

The example of Mexican women who tweet crimes in their streets that government and journalists are afraid to mention might seem evidence enough that use of the internet does not simply displace real political engagement. Nonetheless, critics (e.g. Morozov, 2009) warn that the kind of activities that have political influence may be replaced by "slacktivism," in which reading political blogs, signing online petitions, sending emails, sharing links, and clicking Like buttons provides an ineffective substitute for effective action (Christensen,

As we saw in chapter 2, concerns about authenticity and pittings of technologically mediated practices against seemingly more-embodied ones are endemic to the reception of new media. Some evidence suggests that people who use digital media may be more likely to be politically engaged offline than those who do not. Internet users have been found to be more likely than non-users to engage in political

activities, read magazines and newspapers, attend to campaign coverage in TV shows and interviews, and, perhaps most importantly, vote (Boulianne, 2009; Katz & Rice, 2002). Campbell and Kwak (2011) found that when people used their mobile phones to discuss and exchange opinions on issues, they were also more likely to "attend a political meeting, rally, or speech, circulate a petition for a candidate or issue, and to contact a public official or political party."

among adults as a whole. cal issues. These percentages are considerably higher than they are or groups; and 53 percent used offline channels to speak out on politiby letter; 63 percent involved themselves directly in political activities talk about politics or public affairs with others in person, by phone, or adults who engage with political or social issues on SNSs regularly networking sites." The survey found that 53 percent of American of political and civic activity that occur somewhere other than social the SNS politically were "also likely to be engaged in other forms did this offline, were considerably more affluent and educated than encouraging others to vote. Those who did this online, like those who those who did not. Brenner and Smith found that people who used issues," such as posting content related to political/social topics or used them to "engage in a range of activities around political or social 66 percent of American adults who use social networking sites have A 2012 survey of Americans (Brenner & Smith, 2013) found that

These trends seem to have some international generalizability, although, as we will see soon, it is complex. Time on Facebook didn't itself correlate with political participation in a study of university students in Hong Kong (Tang & Lee, 2013), but people on Facebook who had more diverse networks, more direct connections to political actors, and were exposed to more political information on Facebook, were more likely to have participated in political activities. Similarly, Chileans who used Facebook for news and socializing were more likely to take part in political protests, in contrast to those who used Facebook for self-expression (Valenzuela, Arriagada, & Scherman, 2012).

New media are being used in many novel ways to engage people in political processes. This is particularly evident in protest movements such as those that comprised the Arab Spring and Occupy.

The internet and mobile media serve as information conduits (e.g. Christensen, 2011) that can change the dynamics of domestic protests. In this regard they are not unlike the taverns of the Middle Ages where people pooled information and let off steam (Briggs & Burke, 2009). Political information shared online can serve as a mirror – reflecting a nation's policies within an international context of which people may not have been previously aware (Bailard, 2012). As Bailard found in a field experiment in Tanzania, internet use can "alter the cost–benefit calculus of political behavior by expanding the range of information individuals have regarding their government's actual performance" (Bailard, 2012: 341). In that study, those people assigned to an internet group were more likely to question the fairness of an election than people in a control group who had not used the internet during or after the elections.

Information distribution can also take the form of culture jamming (Lievrouw, 2011) in which people playfully remix materials in order to convey social messages. The example of Pepper Spray Cop, a meme in which people took a photograph of a police officer spraying protesting students with pepper spray and superimposed him on countless other scenes (Milner, 2012), is one example of how humorous remix was used to build support for the students in this case and for protesters in the United States at that time (including Occupy) more generally.

When information is shared through online channels, it can serve many different functions. It can spread shared grievances, draw international attention to domestic plights, broaden the appeal of social movements, and facilitate new connections between people and organizations (Howard & Parks, 2012; Lim, 2012). Social media exchanges do not necessarily mobilize people to take to the streets to demand change. For instance, online interaction functioned as a safety valve for Chinese bloggers when they discussed issues already covered in the country's newspapers, but as a pressure cooker when those same bloggers discussed topics the mainstream media ignored (Hassid, 2012). As Papacharissi and Oliveira (2012: 280) put it, social media "provide a form of emotional release that simultaneously invigorates and exhausts tension ... depending on context, these affective

each other, it allows those governments to find and intimidate them. ity." Furthermore, just as social media allow individuals and groups drive a movement, and/or capture users in a state of engaged passivattachments create feelings of community that may either reflexively a Facebook or Twitter account used those platforms to report on the of people taking to the streets, such as the Tahrir Square protests in media to spread misinformation and to intimidate government critics who are unhappy with their governments to find and connect with and videos they had taken. protests. A quarter of them used Facebook to disseminate pictures for communicating about the protests, and almost everyone who had Facebook. Once at the protest, 82 percent of protesters used phones protest. Half had first heard of the protests face-to-face, followed by via Wilson (2012) interviewed 1,200 people at Tahrir Square during the ven with face-to-face communication and other media. Tufekci and Egypt, the role of the internet and mobile media was deeply interwointo silence (Pearce & Kendzior, 2012). Even in the most visible cases In Azerbaijan, for instance, the government has actively used social

Even if one grants that political activity online can get people into the street, there is a concern that political interaction through new media serves to polarize rather than facilitating discussion across diverse viewpoints. This is in keeping with the critique that online communities are homogeneous and limit exposure to diversity. Gergen (2008) speculates that people are increasingly engaged in "monadic clusters," small groups that affirm one another's perspective and lead people away from political action. Anyone reading opposing political blogs cannot help but be struck by the sense of parallel worlds, in which the same events have completely different and irreconcilable meanings. Campbell and Kwak (2009) found that the monadic cluster effect holds best when people are in small diverse social networks. When communication happens in a small social circle of people who disagree, individuals are more apt to opt out of political discussion and engagement rather than risk the peace.

In recent studies, Keith Hampton and his collaborators have shown that social network sites can lead to more diverse social networks rather than more homogeneous ones (e.g. Hampton, 2011; Hampton, Lee, & Her, 2011). Gil de Zúñiga and Valenzuela (2011) also found

political views their Facebook friends express. they thought, and 73 percent only sometimes, or never, agree with the Facebook users have learned their friends have different politics than Pew data (Rainie & Smith, 2012) show that nearly 40 percent of having more interaction with weak ties, were more engaged citizens. that social network users had more diverse ties and, as a result of

(Papacharissi & Oliveira, 2012). new media are part of a "hybrid complex system of social awareness" political (in)action is small, but generally positive. Far from floating, 2012: 234). The effect of the internet relative to other motivations for taining the networks upon which social movements depend" (Lim, 1045) and serve as a "technology and space for expanding and susto shape and foment opinion. Perhaps most of all, they "reinforce to motivate already engaged people to become more engaged, and communities of activists, to mobilize new people to become engaged, spread information, to connect people and groups, to support existing participation in existing foci of activity" (Hampton, Lee, & Her, 2011: impacts civic and political life are not yet clear. New media are used to The many complex ways in which engagement in digital interaction

### Summary

peaceful middle grounds. Mobility can help new media be concretely contribute to polarization, as people may feel less pressured to find cues in some online groups can open doors for people to make riskier synchronous platforms like Twitter, combined with broad reach and self-disclosures, and hence to gain more social support, but may also replicability, can enable swift grassroots organizing. Minimal social others are online simultaneously or not. Synchronous or nearpotentially polarizing. Asynchronous platforms in particular offer local communities in ways that may be personally empowering but allow people to come together around shared interests, transcending offer many affordances that influence what happens through and cal perspectives identified in the first two chapters. New technologies people access to like-minded others and support, whether those because of them. Their combination of speed, interactivity, and reach In closing this chapter, let's return to the key concepts and theoreti-

> civic engagement and social movements. tied to location even as people move around, and hence support local

with everything else. ters, what happens through mediation is interwoven, not juxtaposed. real engagement. As we will continue to see in the remaining chapdo not offer inauthentic simulations that detract from or substitute for consequences. What does seem clear at this point is that new media create practices and outcomes that have not yet cohered into clear nological factors and the social ones that combine unpredictably to approaches would do as this chapter has, looking at both the techcounts as skill and competence. Social shaping and domestication and the social norms they develop around how to behave and what who participate, the motivations that inspire their online actions, community online and off, including the social identities of people Social constructivism would focus on the social forces that influence empowering people to participate and increasing civic engagement. simulated communities for real ones, or that they are democratizing, binations of features usher in a new era in which people substitute Technological determinism might predict either that these com-