Prelude

A gigantic conference table made of a single, thickly cut slice of wood (or so it seemed). Around it sat a client in a suit who represented a loyalty card program about to enter the market and the designers and developers of a web agency that had grown from four to more than one hundred employees in less than two years—all wearing T-shirts. Among them was one of the editors of this volume, then an aspiring interaction designer.

It was 1999, in the midst of the dot-com bubble. NASDAQ had not yet peaked. Many of us were speculating (intellectually and financially) what the Internet could become and how we would be interacting with people, products, and environments through networked computers in the near future. We dreamed that most of us would soon be carrying some form of handheld, networked device similar to a Star Trek Tricorder or IBM’s proto-smartphone, the Simon Personal Communicator, which was released in 1991 (Sager 2012). And something else captivated the imagination of most of us designers around that table: in 1997, Ultima Online had been launched—the first massively multiplayer online role-playing game (MMORPG) to reach a subscriber base of 100,000 players within a mere six months (Electronic Arts 2006). Practically the entire agency played Ultima Online—during office hours. We hopped on and off game sessions between meetings and used the game’s text chat to talk about game challenges and work projects alike. For most of us, Ultima Online had become part of our work culture. And to some extent, what looked and felt like a game had in fact turned into labor: the game extended into the office space, provided a crucial communication channel for job tasks, helped to bring aboard new employees, and kept us even busier than we were already. The directors of the agency had taken notice: the agency officially subscribed to several Ultima Online accounts, and certainly not just to keep the staff entertained.

At that table back in 1999, it had just been decided that the agency would design scenarios of how to engage online customers in the client’s planned service using certain elements. Game elements. In the months prior, our agency had built a reputation for what was then called “advergaming”—little Flash-based web games that carried advertising messages. And we believed that in the suit sitting across the table was the ideal client with the ideal service to use gaming on a much grander scale: Loyalty Partner’s Payback, which later not only survived the dot-com
crash but also went on to become Germany’s largest loyalty card scheme, ultimately to be acquired by American Express in 2010 (Loyalty Partner 2010).

Everyone around the tree slice was excited about the new project: “So if customers collect discounts in the form of ‘Payback bonus points,’ and you market the service as ‘life brings points,’ clearly, you need a leaderboard,” called out said coeditor. Added an agency colleague, “And we need badges, like we had them in church scouting. If Payback knows exactly what people shop, when and where, and in which sequence, couldn’t we reward shopping patterns with badges, while collecting and mining that data? A ‘toddler’ badge if people consistently shop baby products. ... People will be super motivated!” And we went on to create and show a prototype of these ideas.

Yet in the end, nothing of that transpired. A couple of weeks after the initial launch of the Payback card in 2000, Loyalty Partner and its Payback card “won” the first German Big Brother Award (BBA), a negative price issued by the privacy and digital rights organization FoeBuD to raise public awareness about the most egregious violations of privacy rights. FoeBuD’s rationale: Payback, albeit looking like a discount card, served the sole purpose of obtaining and commercially using personalized data related to the purchasing behaviors of consumers without properly informing the consumers about this fact (Big Brother Awards 2000). Soon after, and likely in response to the negative press stirred by the award, Payback became more transparent about its data collection; at the same time, federal privacy regulations prevented those leaderboards and badges we had conceived while chatting in Ultima Online, steering our avatars.

Payback worked with the agency for a while, but said coeditor left the agency soon after the BBA disaster to pursue an academic career, shocked into awareness of what could happen if game elements as simple as points were applied for non-entertainment purposes, even if conceived in a playful spirit.

Space Invaders: The Rise of Gamification

A few years ago, speaking about a gameful world would likely have conjured images of MMORPGs such as Ultima Online or World of Warcraft, not systems like Payback. The popular imagination of the time was (and still is) filled with utopian hopes and dystopian fears of an Exodus to the Virtual World (Castronova 2008): at best, we would escape the drudgery of twentieth-century schools and business training via serious games. At worst, people would regress from reality into the Otherland (Williams 1996) of games. Today, the direction is reversed: not people escaping into the virtual world of games, but games escaping into everyday life. On one side are utopian visions of re-engineering a supposedly “broken reality” (McGoigal 2011) into happiness engines: game design will allow us to maximize our individual potential, organize our “cognitive surplus” (Clay Shirky), and energize society to solve humankind’s collective challenges. On the other side are dystopian reveries of Frankensteinian daemons and Skinnerian dictatorships: as algorithms increasingly rule the world (Slavin, this volume), we will wake up one day to find that our computers have become the game masters and we the pawns in one big Dream Park that isn’t
just a game anymore (Suarez, this volume). Neuro-psychological knowledge about the claviature of our pleasures will enable our future (robot) overlords to control our every step and action with a seamless, fine-tuned, pervasive mesh of incentive systems (Pesce, this volume).

Close observers could get a glimpse of the impending ludic reality invasion in the early 2000s, when live action role-playing, location-based, augmented reality, persistent alternate reality, and similar pervasive games began to extend the magic circle of play spatially, temporally, and socially (Montola 2005). But most of them remained too avant-garde and experimental to gain acceptance beyond the niches of academic laboratories, art exhibits, and game design festivals. It was only in the late 2000s that the reach of games and game design into everyday life appeared in the public consciousness, with “gamification” emerging around mid-2010 to overtake “serious games” in global web search interest in mid-2011. The arguable blueprint for the gamification movement has been foursquare, a social, mobile, location-based service launched in 2009: foursquare allows users to “check in” at venues, see check-ins of members of their social graph, and browse venue suggestions based on check-in data. To motivate check-ins, foursquare implemented a series of gamelike design elements:

- **Points** Every time a user checks in, she earns a variable amount of points depending on factors such as novelty (first check-in to a location of this type) or distance (check-in far away from last check-in).
- **Badges** Certain types or combinations of check-ins unlock “badges,” virtual marks of achievement, like the “Gym Rat” badge earned for checking into gyms ten times in the course of thirty days.
- **Leaderboards** Points are compared with members of one’s social graph on a weekly point leaderboard, aiming to spur competition between users.
- **Mayorships** Those users who have checked in the most often at a location in the past sixty days are acknowledged as its “mayor,” which again can spur competition between users.
- **Rewards** Business owners of a location may offer location-specific rewards (e.g., a free drink when a user checks in at a certain time).

Today, five years after foursquare’s launch, a whole cottage industry of gamification consultants, agencies, and software providers has emerged, spanning from “white label” platform providers such as Bunchball, Badgeville, or Lithium to more specialized platforms such as (now defunct) Greengoose, a sensor and software package for self-tracking everyday activities. Business consultancies publish rosy predictions, all arrows predictably pointing up and to the right: according to one forecast, the gamification market will grow from US$100 million in 2011 to US$2.6 billion by 2016 (Meloni & Gruener 2012). The tone is nothing if not evangelical: business books promise a Gamification Revolution (Zichermann & Linder 2013), explaining How to Revolutionize Customer and Employee Engagement with Big Data and Gamification (Paharia 2013).

Implementations abound across all domains of life, the overwhelming majority using some variation of the points-badges-leaderboards model of foursquare (Hamari, Koivisto & Sarsa 2014). In marketing, one finds digital loyalty programs and sweepstakes built around “customer engagement”: checking into a store; sharing or liking posts and product pages of brands on social media platforms. Examples are platforms like Lockerz, Getglue, or the Buffalo Wild
Wings in-store mobile phone challenge, which prompts users to, for example, check in at the store or take a picture of a food and share it online to earn points redeemable for drinks and food. Another common form is a new breed of advertising games like the Heineken StarPlayer: while watching a soccer match on television, players of the application can bet on how certain game situations (such as a free kick) will be resolved or whether a goal will shortly occur (Coulton, this volume).

In health and wellness (see Munson et al., this volume), gamification chiefly intersects with the quantified-self movement of individuals seeking self-knowledge and self-improvement through self-tracking and analysis of their behaviors, body states, and experiences (Wolf 2009). The most publicized example for this intersection has been Nike+ (and now Nike Fuelband), a suite of tracking device and software that records everyday exertion and translates it into a universal score, complete with personal goal-setting and social competition. Health Month has been another early, influential system. Developed by Buster Benson (this volume), it allows users to set personal health goals and track their daily activity against these goals and to form player groups with collective goals and the ability to “heal” each other if one loses “life points” by missing a goal. In their wake, innumerable applications nowadays combine self-tracking with goal setting and virtual achievements, some for individual fitness (such as Runkeeper or Fitocracy), some as enterprise health programs (such as Keas), and some for task management (such as Chorewars or Epic Win). Zombies, Run! offers a slightly different, more narrative take: in this mobile running application, the player is motivated to run physically in order to escape fictional zombies.

In education, gamification has been adopted chiefly among practitioners and researchers interested in learning analytics, new forms of assessment, and self-directed, self-motivated online learning as found in, for example, massive open online courses (MOOCs). One highly influential exemplar is Khan Academy, a website that offers videos and exercises around basic educational topics, where users can earn points and badges (and educators can track learner performance). On a grander scale, the Quest to Learn schools restructure the entire school life and curriculum in the image of games (Salen, this volume). At the Rochester Institute of Technology, undergraduate students can engage with Just Press Play, an achievement system for noncurricular activities such as visiting a professor in her office (Ramirez & Squire, this volume). And already in 2010, Microsoft Office Labs released Ribbon Hero, an add-on that taught users the basics of the Microsoft Office Suite, including the then-new ribbon interface, with a game interface of challenges, achievements, and scores layered into the Microsoft Office software itself.

In sustainability, a notable example is Chromaroma, a platform that allows users to visualize their public transport use in London as tracked by their Oyster Card; users can form competing teams, and the system nudges users toward more sustainable commuting behaviors with goals that put walking and cycling over public transport, and public transport over car driving. And in cars themselves, one nowadays finds a plethora of “eco-feedback systems” with more or less explicit “gamy” qualities, most prominently in-car “eco-dashboards” that display how environmentally friendly one is driving, such as Ford’s SmartGauge or the Ecoscore of the car-sharing service Car2Go (Froehlich, this volume).
In the enterprise space, many companies have been experimenting with gamification for training, innovation, and employee engagement (Mollick & Werbach, this volume). In training, one can find examples like the Deloitte Leadership Academy, adding point scores, missions, achievements, and leaderboards to its online video and exercise leadership training program. With regard to innovation, one finds a host of platforms for employee and consumer online idea competitions, such as the 2011 Volkswagen People’s Car Project, which invited Chinese consumers to submit and vote on concepts for a future automobile, complete with teams, scores, leaderboards, and badges. In terms of employee engagement, gamification platform vendors have released a wealth of software suites to track and motivate employee performance through scoreboards, goal setting, and leaderboards, specifically in sales and customer service. The popular customer relationship management platform Salesforce alone currently counts twelve different gamification apps.  

Defender: Resistance to Gamification

On one side, then, optimistic authors such as Jane McGonigal (this volume) argue that mankind’s existential challenges in the twenty-first century can be fixed with game design. Scholars like Byron Reeves (Reeves & Read 2009) hold that games present systems of informational feedback and incentives that are perfectly organized for reinforcement learning and for coordinating the collective action of self-interest–driven individuals; thus, we can learn from them how to design perfect markets and behavior change systems (see also Linehan et al., this volume; Rangaswami, this volume; Williams, this volume). Business consultancies like Gartner (2011) declare gamification to be a major business technology trend, and agencies and software vendors promise that gamification will “revolutionize” all areas of society and economy, motivating us as consumers to co-create, to buy, and to produce by word-of-mouth; as employees to engage in the workplace; as citizens to participate in politics and collective problem-solving; and as individuals to learn, live healthy, and act sustainably.

On the other side, we find equally vocal critics coming mostly from game design and academia (Juul 2011). They hold that “gamified” products never can, nor ever intended to achieve, the engaging qualities of well-designed games. The joys of game play arise from having meaningful choices in trying to achieve interestingly difficult goals. In contrast, gamification is “taking the thing that is least essential to games and representing it as the core of the experience”; namely, the scoring feedback that tells players how well they are on the way to achieving their goals (Robertson 2010). What gamification proponents are interested in, following Bogost (this volume), is merely commodifying the current cultural cachet of games into an easily sellable workshop format or “turnkey” technology. In this, they ignore that game design is an inherently complex, risky, skill-based, situation-bound, and therefore nonscalable process, as well as the potential differences of users; for instance, not all cultures equally value competition (Khaled, this volume). Gamification presents but the latest form of ideology masking...
political disenfranchisement and exploitation of digital labor as playful self-realization (Rey, this volume).

Thus, many gamification vendors show little ethical concern for the affected users. Privacy and data ownership are one obvious issue here: Who owns, controls, and views the data generated? How might employers, health insurers, or governments use it? What chilling effects might the tracking and publication of such data have? Does the playful veneer of gamification make users willingly self-report behavioral data they would in no other context allow to be tracked (Andrews, this volume)?

Others argue that by presenting games and gamification as information and incentives, gamification proponents fail to appreciate that play is the quintessential case for intrinsically motivating activity: adding a layer of rules, goals, feedback, and consequences might motivate participants through coercion or incentivization but actively thwart rather than tap into the motivations characteristic for gameplay (Rigby, this volume; Stenros, this volume).

Finally, there are unintended consequences such as gaming the system: framing an activity as the singular pursuit of goals spelled out in metrics and targets attracts exploitive actors interested in finding loopholes. Even with regular actors, it may crowd out wider concerns for any factor not captured in the metrics, such as moral conduct, “negative externalities,” or whether “meeting the target” “misses the point”; that is, whether a given goal is contextually sensible (Deterding 2012).

From Gamification to The Gameful World

One important part of the debate around gamification has been the word itself. Advocates have attempted to establish gamification as the umbrella term for anything game-related, including serious games, or even to extend it beyond games to include loyalty programs and applications of behavioral economics. Critics have taken this as an indication that gamification proponents are not interested in games at all, only in the attention value of the term games. Thus, they have phrased serious games or gameful design as opposites to gamification and have suggested to replace gamification with terms like exploitationware (Bogost, this volume).

One issue with these language disputes is that they (sometimes intentionally) conflate descriptive and political, normative levels: Instead of first establishing descriptive terms and then judging whether specific instances meet aesthetic, practical, or moral standards, they generalize and position “good” = well designed = ethical serious games or gameful design against “bad” = poorly designed = unethical exploitationware or gamification. Furthermore, they ignore the wider context. Gamification is certainly the most recent and visible instantiation of the interpenetration of games and everyday life. Yet not only has this interpenetration a long and varied history, spanning from art movements like the Situationists to war games, serious and pervasive games, and playful design in human–computer interaction: it is also but a part of a wider trend that has been variously called the “ludification of culture” (Raessens 2012), “ludofication of society” (Walz 2006), or the rise of a “ludic society” (Stenros, Montola & Mäyrä 2007, 32), “ludic century” (Zimmerman, this volume),
“ludic language” (Flanagan, this volume), and “ludic architectures” (Walz 2010). Practices and attitudes, patterns and tropes, materials and tools, languages and concepts from (digital) games and play increasingly pervade all arenas of life. Just as importantly, artists and businesses, scholars and technologists, institutions and subcultures in turn attempt to harness and shape games and play for their own purposes. Whereas game scholars have mostly painted this as a lamentable “rationalization,” “colonization,” or “instrumentalization” of games and play, we hold that this cultivation of ludus is just the logical complement to the ludification of culture. How can we expect games and play to “migrate” into new territories without undergoing some “acculturation” in the course (see Deterding, this volume)?

Hence, instead of using the value-laden term gamification or the narrower concept of ludification, for the current volume we have chosen to speak of “the gameful world.” In this, we build on the terminology of Deterding et al. (2011), who suggested mapping the current use of games and play beyond leisurely entertainment along two dimensions: wholes versus elements or qualities, and paidia versus ludus. The latter distinction is taken from philosopher Roger Caillois (2001), who noted that all forms of human play fall on a spectrum between open, free, exploratory play as we find it in children’s object and pretend play (paidia) and formalized, rule-based, goal-oriented play as we find it in games (ludus). One may thus distinguish

- serious games: “ludic wholes,” or full-fledged games designed and/or deployed for non-entertainment purposes;
- serious toys: “paidic wholes,” or toys designed and/or deployed for non-entertainment purposes;
- playful design: “paidic elements or qualities,” or non-toy objects and experiences that use design elements from toys and/or are designed to afford playful experiences;
- gamification (or gameful design): “ludic elements or qualities,” or non-game objects and experiences that use design elements from games and/or are designed to afford gameful experiences.

All four are part of but do not exhaust the double movement of the ludification of culture and the cultivation of ludus, which together we call the rise of a gameful world (figure I.1).

The Question of the Gameful World

So what are we to make of the rise of a gameful world and the debate between gamification proponents and critics? As editors, we were struck by four things. The first is the narrow focus on gamification itself, blending out its prehistory and wider double movement of the ludification of culture and cultivation of ludus.

The second is the tendency to speak in absolutes: gamification proponents promise revolutions, yet seldom mention possible limitations, complications, or downsides. Conversely, critics of gamification voice valid and important concerns, but again paint with a broad brush. Even if questionable actors and implementations are currently in the majority, this does not disprove that games and game design have a growing impact on our culture, nor that they hold valuable learnings for other domains—just as comic
Ludification of culture

Figure 1.1
A conceptual mapping of the gameful world.
artists have been inspired by movies, novelists by advertising and screenwriting, interaction designers by graphic design, or hackers by science fiction (Stober et al. 2013). Given that game design is the practice of creating enjoyable interactions, it stands to reason that it holds something of interest to any domain where interaction is designed and the goal is to make it more enjoyable. In this sense we agree with proponents that gameful design has potential—although we hasten to emphasize potential. Despite the publicized short-term success stories of gamification vendors, there are still few solid, peer-reviewed empirical studies on the effects of using game design in non-game contexts (Hamari et al. 2014).

Third, we were struck by the sheer fervor of the debate. As Deterding (this volume) argues, what we see at work here is not so much a disagreement over facts than a clash of rhetorics—worldviews and moral politics reproduced by communities and their languages, most importantly in this case, different ideas of the “proper” place of games and play in society. Gamification has brought communities into the discourse around games and play whose rhetorics are alien and often anathema to the rhetorics of game designers and scholars. In Victor Turner’s (1982) terms, gamification proponents predominantly subscribe to the liminal use of games and play as a conservative perfection of means toward the given goals of the existing social order. Game scholars and designers in contrast predominantly see the “proper” use of games and play beyond entertainment as liminoid progressive questioning and subversion of the standing order.

Fourth and finally, while proponents have been busy producing blueprints and services for bringing a gameful world about, and critics busy ridiculing the very idea, we are dearly lacking solid description, analysis, and reflection of just what is happening now and just how it will affect us, the people. What if all of our everyday life is turned into a game? What would be the consequences of life governed by a pervasive web of sensors tracking our every action, algorithms evaluating them against rules and goals set by ourselves and others, and effectuators constantly feeding back information on our performance, status, and progress? How would we work, commune, and act politically under such circumstances? How would it alter (and disturb) the ordering of our everyday interaction? And what happens to games and play themselves? What are the ethical ramifications of a societal panludicum—for policy makers, for designers, but also for individuals alternatively extending or replacing our will with technically mediated systems of goals?

There are no definite answers to any of these questions yet. But the underlying issues have been tackled in philosophy, game studies, human–computer interaction, psychology, sociology, economics, anthropology, and other disciplines. These literatures at least provide us with inroads to the questions a gameful world poses. The goal of the current volume, then, is to scrutinize the ramifications of a gameful world, the promises it holds, and the issues it brings—socially, economically, politically, culturally, ethically, and on a personal level. Rather than shoehorn the heterogeneity of phenomena and rhetorics into one coherent argument, we believed it most helpful to surface its very heterogeneity: to rub the different stances of advocates and critics against each other, thus highlighting their partially rhetorical nature, but also enabling the reader to make up his or her own mind.
Organization of the Book

The essays collected in this book are organized into three broad parts. The first part, “Approaches,” disentangles various disciplinary perspectives that have been used to frame gamification. It is grounded in the chapter “The Ambiguity of Games,” a historical survey that traces the main precursors and parallels of today’s gameful world and synchronically maps the main contemporary rhetorics. Chapters by representative scholars each explicate one perspective: rhetorics (Bogost), behavioral psychology (Linehan, Kirman & Roche), motivational psychology (Rigby), neoclassic and behavioral economics (Hamari, Huotari & Tolvanen), play and performance (Stenros), aesthetics (Flanagan), design (Hassenzahl & Laschke), and ethics (Sicart).

The second part, “Issues,” breaks out major issues at stake in pervading life with game elements: exploitation (Rey), culture (Khaled), media spectacle (Borland), social control (Whitson), morality (Selinger, Sadowski & Seager), privacy (Andrews), and the technical underbelly of a gameful world (Nova).

The third part, “Applications,” surveys existing research in major application domains: product and service design (Holopainen & Stain), the enterprise (Mollick & Werbach), social media (Lampe), science (Cooper), politics (Lastowka & Steinkuehler), cities (Alfrink), sustainability (Froehlich), education (Ramirez & Squire), and health (Munson et al.).

In each part, chapters are interspersed with position papers. Chapters synthesize and critically reflect the existing literature around an approach, issue, or application area. As counterpoints, position statements provide subjective voices by practitioners, theorists, and activists that have been formative for the gameful world.

The choice of chapter topics emerged from a systematic mapping of the main actors, topics, and rhetorics of the gamification discourse in 2012. As editors, we tried to match each topic with authors bringing deep expertise in both games or gamification and the given subject matter. Despite its size, this book does not claim to be a comprehensive representation of all angles and voices. To the best of our ability, where currently influential voices or angles had to give, we tried to at least provide ample reference to them throughout the book. Still, this book very much remains an opening move to a—hopefully—continuing conversation.

To give our readers a first map and compass for this conversation, we have arranged the various contributions into a coordinate system with two axes, reflecting the main fault lines of the debate around the gameful world: one axis represents the different forms of play appealed to, paidia and ludus, the other axis the different moral politics of the “proper” place of play and games in social life: liminal and liminoid. By assigning numeric values on both axes to each contribution in the book, we arrived at a coordinate for it: its place in The Gameful World (figure I.2).

In closing, we would like to thank first and foremost our authors for embarking on this adventure with us, our anonymous reviewers for their valuable guidance, and our editorial producer Sebastian Felzmann for keeping the ship afloat throughout the journey, as well as editorial assistant Sebastian König and translator Jenna Krumminga. Lastly, we would like to acknowledge that the production of this book has been supported by the Royal Melbourne Institute of Technology, Australia, and its Games and Experimental Entertainment Laboratory, the GEElab.
Figure I.2
A compass to *The Gameful World*: Contributions by predominant form of play and moral politics.
Notes


References


If there is one catchword for the current moment in the history of media, it is convergence: digital media, computing, and networking are decoupling the entities formerly known as “the media” into their requisite components—content genres and storage media, distribution networks and end devices, producers and audiences—to recombine them into unexpected, fleeting new formations (Jenkins 2006; Storsul and Fagerjord 2008). Thus, games can now be played on almost any digital device, anytime, anywhere. Game distribution is migrating from off-the-shelf physical copies to online streaming and a myriad of app stores across a myriad of platforms, and games are shifting from being finished products to interconnected, constantly evolving online services where “produsers” (Bruns 2008) pay in the form of micro-transactions, personal data, content creation, and marketing work.

Beyond these immediate forms of digital game convergence, several authors have observed a broader “ludification of culture” (Raessens 2006, 2012; Walz 2006; Stenros, Montola, and Mäyrä 2007, 32). From 8-bit music to pixel art, thematic, visual, auditory, and interactive tropes of games are pervading our pop culture and art with a “ludic language” (Flanagan, this volume). Some argue that the formative experience of growing up playing digital games has nurtured a whole “gamer generation” (Beck and Wade 2006) sporting playful media practices, mindsets, and identities. Others have gone so far as to call the twenty-first century a “ludic century” where games become the dominant cultural form because they match the systemic, computational, participatory constitution of our time (Zimmerman, this volume; see already Minnema 1998).

If ludification of culture captures how games and play increasingly inform other domains of our everyday life, we also can and must speak of its counterpart: the cultivation of ludus. As games and play move from the periphery of playgrounds, living rooms, and arcade halls toward the center of our cultural, social, and economic life, so cultural, social, and economic actors become interested in shaping and harnessing them for their purposes: other realms of life impress their forms on games and play. We see this in the professionalization of digital gaming in e-sports (Taylor 2012) and the economization of play in “gold farming,” real-money trading, virtual economies, or game play as user-generated marketing (Malaby 2007; Dibbell 2008). We see it in the rationalization of play, as digital gaming takes on more and more work-like features, such as “grinding” in massively multiplayer online role-playing games (MMORPGs) (Yee 2006; Grimes and Feenberg 2009). We see it in the adoption of game technologies such as
three-dimensional rendering engines by non-game industries. And we see it in the rise of serious games and gamification (Sawyer 2002; Deterding et al. 2011): games and game design elements are increasingly harnessed to improve everything from productivity to marketing, from learning to user experience, from health, happiness, and creativity to civic engagement and governance.

Among game designers and scholars, gamification has been met predominantly with skepticism if not hostility (e.g., Robertson 2010; Bogost 2011a). Many view it as yet another wave of “colonizing attempts” (Aarseth 2001), only this time from marketers and startups with often-doubtful ethics and little care for “games as such.” Gamification is painted almost as a desecration of a presumed nature of games and play. Says Bogost (2011a): “gamification is marketing bullshit, invented by consultants as a means to capture the wild, coveted beast that is videogames and to domesticate it for use in the gray, hopeless wasteland of big business.” In the same tone, PJ Rey (2012) critiques gamification as producing play labor, or “playbor”: “Play loses its innocence. It is no longer an escape from the system, it is just another branch of it. Waste is no longer wasted. Playbor is part of capitalism’s effort to colonize every last moment in the waking day.”

Yet the discourse around gamification has also managed to widen public interest in games and play rapidly. And whatever the status and longevity of gamification itself, it is only one symptom of the broader digital convergence of games, one little current in the double tide of the ludification of culture and the cultivation of ludus—something one may call the rise of a gameful world. Like media convergence in general, this double tide does show no signs of ebbing, and it is changing what games and play are.

In the heat of any debate, one task of the scholar is to take a step back and look at the unfolding scene from the outside. Instead of taking a stance in Gamification: The Rhetoric Wars (Walz and Coulton 2011), this chapter tries to bring them into view as just that: a clashing of rhetorics in Kenneth Burke’s (1950) sense, of different worldviews and moral politics, manifest in different languages. This chapter provides such an outside view through a threefold distancing: first, it offers a theoretical language to articulate that and how our views of the gameful world are steeped in specific, modernist conceptions of games and play. Second, it foregrounds the contingency of the gameful world by delineating its historical precursors and enablers: the forms of its current ascendance are neither entirely novel, nor aberrant, nor natural, nor inevitable. Third, the chapter compares and contrasts the various contemporary rhetorics of the gameful world. In closing, it asks what those rhetorics tell us about our contemporary life, what they elide, and how the rise of the gameful world may change play and games themselves.

Liminalities: The Social Place of Play and Games

If the current scholarly critique of the “instrumentalization,” “colonization,” or “domestication” of play and games highlights one thing, it is that play and games are thought to have “a proper place” in society—a designated cultural role, meaning, or function. Is play not supposed to be “outside ‘ordinary’
life” and “with no material interest” (Huizinga 1955, 13), “separate” and “unproductive” (Caillois 2001, 9–10)—a space free from the demands of social norms and uses?

As the millennia-old use of games for military training and planning demonstrates, such sentiments overlook the fact that the provision of freedom from the instrumental norms and purposes of productive life through play and games is no brute fact of nature, but a contingent state of affairs—characteristic for modern industrial societies: To us, today, games and play function and serve as “escape attempts” (Cohen and Taylor 1992). Whether we praise their value for childhood development or artistic creativity, bemoan their unproductive frivolity, or engage in them as leisurely restoration for work or hobbyist self-realization—even when we romantically long for them as a utopian “otherland”—we reproduce very specific, modernist cultivations and rhetorics of play and games (Sutton-Smith 1997; Malaby 2007). Celebrating play and games as a space free from order, purpose, norm, and consequence, a space “outside of” society, we easily forget that this “freedom from” is itself a social norm and purpose. The spoilsport, the powergamer, and the bully remind us that the playground is a place full of rules that are continually expected, demanded, and policed by the play community (Goodwin 2006).

If we want to understand today’s transformation of the cultivation of ludus, we need a theoria, a distancing from our own modernist preconceptions of the relation of play, games, and society. A useful one can be found in anthropologist Victor Turner’s (1982) studies of ritual and liminality. Like Durkheim, Turner argued that in premodern societies, rituals served as the crucial forge and reaffirmation of the bonds and moral order of a community. Of central importance are rites of passage through which an individual’s orderly transition from one social status into another is performed. During these rites of passage, between the individual’s separation from and re-incorporation into the group, one finds a phase of transition, of liminality (Latin limen, “threshold”), where standing orders, behaviors, and meanings are temporarily turned upside down—a space of play: “the analysis of culture into factors and their free or ‘ludic’ recombination into any and every possible pattern, however weird, that is of the essence of liminality” (Turner 1982, 28). Maybe the best-known contemporary form is the Rumspringa, observed in some Amish communities, in which adolescents leave their homes for a set period of time to explore the modern world around them and decide whether to return and become a full adult member of their community.

In other words, play in premodern societies is fully contained and functionalized in ritual, fully integrated into social life. There is no distinction between “work” and “leisure”: play and games are part of the total ritual “work of the Gods” (Turner 1982, 38). All of life is “work” in the sense that it is bound in a non-optional manner to the cosmic rhythms and rules of nature and culture. It is only in modern Western nation-states that we start to find “work” itself separated from the rest of life, religious order kept apart from secular existence, social timing freed from the rhythms of nature, the individual uprooted from the collective—such that “leisure” as a nonwork, secular, optional, individual activity becomes possible. Modern leisure activities like play, games, or art still retain the ludic forms of liminality; but they crucially differ in their social function, meaning, and place. In Turner’s phrasing, they become liminoïd, not liminal.

Liminal phenomena are collective duties embedded in and reaffirming social order. The liminal play
found in rites of passage is part of one play-and-work complex, functionalized as a temporary inversion that conserves the social order by foregrounding the chaos that lies beyond, or by absorbing destabilizing energies. Liminoid phenomena in contrast are individual choices (that may result in temporary collectives), marginalized spaces pocketed away from social order, but therefore also spaces where the order can be reflected, critiqued, subverted, and alternative versions explored. Still, their “antistructure” is socially functionalized, geared into the machine of progress as an engine of innovation (Turner 1982, 44–45).

Now Turner’s strict historic and cultural dualism between modern and premodern, “the west and the rest,” has long been outmoded. But his theoria of play still holds value in reminding us that at any time and place, play and games are always cultivated, and in articulating two ideal typical poles of this cultivation, liminal and liminoid.

Seen through this lens, many of today’s serious games and gamification projects present a return to liminality: games are again “centrally integrated into the total social process” (Turner 1982, 54) to reproduce a standing social order that is considered no less good and natural than the cosmos of tribal religion. The modern Protestant work ethic internalized religious duty into secular economic industriousness and disciplined self-betterment, defining and devaluing leisurely play and games as the frivolous opposite of God’s work. Today’s liminal serious games and gamification dissolve this separation of work and leisure again, only in a secondary, secular liminality, a tautological Calvinism without Last Judgment that replaces the work of God with the work of work, and the work of the self. As Goffman (1967) puts it so well: “Many gods have been done away with, but the individual himself stubbornly remains as a deity of considerable importance” (95). And today, the moral value of this self is again tied to the holy work of work. Burning calories at the gym or midnight oil at the office, we bring our daily “little offerings” (95) to prove moral character, so help us our gamified self-tracking device.

Conversely, the reactions against such liminal cultivations reveal themselves as modernist invocations of the liminoid as the “proper” role of games and play in society. To use the distinction of Raphael et al. (2009), critics of liminal gamification prefer games to question the ends society pursues, not to optimize the means toward them.

Yet their celebration of games and play as sites of transformation, subversion, autonomy, or empowerment is no less instrumentalizing—it simply instrumentalizes for progressive purposes. Even defendants of games and play as objects of disinterested appeal like Eric Zimmerman or Frank Lantz (this volume), fighting for “games for games’ sake,” in doing so engage in a deeply progressivist, liminoid project. They reaffirm the modernist notion that society can and ought to have spaces of noninstrumental, nonreligious aesthetics, and that games and play can and ought to be one of them.

**Histories of a Gameful World**

With Turner’s conceptual compass of liminal and liminoid cultivations at hand, we can begin charting the history of the gameful world—to foreground its contingency, to moderate breathless claims of novelty, and to substantiate the claim that the contemporary instrumentalization of games and play is
no unique profanation of their pristine "nature." The following subsections trace important precursors, parallels, and traditions of using games and play beyond leisurely entertainment, followed by a more detailed account of the origins of gamification in the U.S. technology industry around mid-2010. It closes with a look at the wider social transformations that enabled the contemporary rise of a gameful world.

The Serious Games of War, Business, and Education

The first documented instances of games for "serious" purposes date back to the China of the Warring States period around 475 B.C., when the game weiqi (Go) began to be used to school strategic cunning for the art of war (Halter 2006, 20–21). In Western culture, war games for strategic training and planning rapidly spread in the nineteenth century from the Prussian army to war academies across Europe (Deterding 2009, 23–24). During the early Cold War years, the U.S. Department of Defense and associated think tanks like the Rand Corporation set up entire gaming and simulation departments, using war gaming, role-playing, simulations, and mathematical game theory to make nuclear war rationally calculable. From there, "serious games" for strategy, foresight, and training expanded into government, business, and education (Abt 1971).

The early 2000s witnessed a digital renaissance of serious games (Sawyer 2002). In education, researchers from sociocultural traditions (see Ramirez and Squire, this volume) began to study and design learning interventions that not only used games as "content conveyors," but also made educational use of the technologies, literacies, communities, and practices surrounding them. As serious games expanded into fields as varied as desensitization therapy and experimental "petri dishes" for economists, subgenres like newsgames, persuasive games, advergames, and exertion games emerged (Sawyer and Smith 2008).

"Be Happy in Your Work!" Games at the Workplace

Mark J. Nelson (2012) has followed the use of games for productivity back to the unlikely origins of the Soviet Union under Lenin. Looking for a way to motivate workers without capitalist monetary incentives, Lenin proposed "socialist competition": individual workers, groups, and whole factories were awarded points for their performance, earning commendations, banners, and orders for surpassing certain point thresholds or beating other groups.

In the West, the first documented uses of games at work were workers' playful variation, pranking, and goal setting to counter the alienation of factory work (Roy 1960). Csikszentmihalyi's (1975, 1990) psychological studies of play and flow at the workplace painted a more positive picture. He described flow as a subjective state of optimal experience, characterized by autotelic, perceived-voluntary engagement, afforded by activities structured in a game-like manner. Csikszentmihalyi found that workers who arranged and treated their craft as a game they voluntarily chose to perfect would regularly experience flow in its course.

In 1985, one Charles Coonradt published the management book *The Game of Work: How to Enjoy Work as Much as Play*. Yet he was a little ahead of the curve: only in the late 1990s did businesses start to try and co-opt workers' play as resistance or self-determined craft into a corporate productivity strategy in a whole wave of "funsultant" business consultancy, peaking with the *FISH!* management...
book and videotape series (Lundin, Paul and Christensen 2000; Nelson 2012). The age of funsultants has also been the age of mind maps, Post-its, and product innovation firms like IDEO. Here, the book *Innovation Games* (Hohmann 2006) introduced the use of games as catalysts for “Creating Breakthrough Products Through Collaborative Play” (the book’s subtitle), recently refashioned as *Gamestorming* (Gray, Brown, and Macanufo 2010).

**Designing for Playfulness and Motivation in Human–Computer Interaction**

If design firms used play and games for product innovation processes, researchers in HCI early on started to explore them as inspiration for desirable product qualities. In the early 1980s, Thomas Malone wrote seminal papers deriving “heuristics for designing enjoyable user interfaces” from video games (Malone 1982). John M. Carroll (1982) analyzed the design of text adventures such as *Adventure* (Crowther and Woods 1976), leading Carroll and John C. Thomas (1982) to suggest redressing work activities in varying “metaphoric cover stories” to make them more interesting and to urge for a research program on the relation of fun and ease of use (Carroll and Thomas 1988; see also Carroll, this volume). With the expansion of HCI from utility and usability toward user experience (Hassenzahl 2010), more researchers began to study the “hedonic attributes” (Hassenzahl et al. 2008) or “motivational affordances” (Zhang 2008) of “pleasurable products” (Jordan 2002), dubbing the field “funology” (Blythe et al. 2004).

Thus, Luis von Ahn and others developed “games with a purpose” that piggyback game play to solve human information tasks such as tagging images (von Ahn and Dabbish 2008). Others explored the use of game interfaces in productivity contexts (Chao 2001) or studied playfulness as a desirable user experience (Fernaeus et al. 2012; see Holopainen and Stain, this volume). Some equated playfulness with any “pleasurable experience” (Costello and Edmonds 2007) or indeed every interaction that goes beyond utilitarian task completion (Gaver et al. 2004). Others spelled out different types of playful experiences (Arrasvuori et al. 2011).

A second intersection of HCI and games has been motivation, as in the case of online reputation systems. Originally developed to provide trust indicators and information filtering, designers soon found that these systems also had a motivational impact on users (Farmer and Glass 2010, 111–123). With “karma” points, stars, levels, badges, and user avatars, reputation systems took inspiration from games long before the term *gamification* emerged (Lampe, this volume). More recently, researchers like Lockton, Harrison, and Stanton (2010) have begun teasing out design patterns from games to motivate user behavior.

**The World Upside Down: Play Forms in Art and Counterculture**

The counterpole to the serious games of military, business, and HCI has been the “world upside down” (Curtius 1990/1948, 94–98) prefigured in the exuberant, apocalyptic chaos of medieval carnival and baroque literature (Bakhtin 2009/1965). In the twentieth and twenty-first centuries, several artists and activists have tapped into and extended these early rhetorics of frivolous play (Sutton-Smith 1997, 201–213). Literary examples are the playful automatic and aleatoric writing of surrealism and Dada or the gameful *contraintes* of the group OULIPO (Ouvroir de
littérature potentielle). From the 1950s on, the Situationist International developed artistic tactics and theories for “constructing situations” that embraced play as a central concept (Andreotti 2000; Wark 2011). Chief among them are détournement, the appropriation of other materials irrespective of authorship or copyright, psychogeography, the explorative mapping and creating of new experiences of a cityscape, and dérive, the playful drifting through cities. All three aimed at the creation of new atmospheres or scenes, new ways of seeing and living that would ultimately dissolve the modernist separations of classes and of work and leisure: “The central distinction that must be transcended is that established between play and ordinary life, play kept as an isolated and provisory exception” (Debord 1958). In parallel, the Fluxus movement erased the boundaries between art and life with designed boxes and instruction pieces—little written rules for action—that turned the audience into performers, guiding them toward new real-life behaviors and experiences.

In the 1970s, the New Games movement formed as a countercultural response to the Vietnam War and civic unrest in the 1960s in the United States (New Games Foundation 1976; Pearce et al. 2007). Its large-scale physical games created bodily experiences and spectacles with ecological themes that did not pit players against one another in a zero-sum fashion. The underlying idea was that this embodied experience with participants across social divides would build trust, community, and new ways of living.

These themes have been picked up by critical art games and game-inspired art from the late 1990s on. They appropriate games, game engines, and game imagery as forms of cultural commentary and expression, linking backward and outward to everyday tactics of resistance (Lefebvre 2002/1961), reversing socially normed forms of action, appearance, and narratives in toys and game play (Flanagan 2009, 33; Flanagan, this volume).

**Pervasive Games and Mixed Reality Performances**

Intertwined with both the serious games movement and artistic play practices, new forms of gaming evolved in the early 2000s that extended games into new contexts and spaces. Commonly called pervasive games, they have “one or more salient features that expand the contractual magic circle of play spatially, temporally, or socially” (Montola 2009, 12). Examples are location-based games that take game play into the public space, augmented reality games that use digital devices to overlay game representations on the environment, persistent games that continually run to be entered and exited during the course of the day, or alternate reality games (ARGs), which “take the substance of everyday life and weave it into narratives that layer additional meaning, depth, and interaction upon the real world” (37).

Pervasive games originated in ubiquitous computing research labs, where they became a handy use case for prototyping new technologies (Magerkurth et al. 2005; McGonigal 2006). In parallel, in the late 1990s, art collectives and theater groups like Blast Theory started to connect critical media art, Situationism, and New Games with locative games using mobile phones (de Souza e Silva and Hjorth 2009). They developed mixed reality performances and immersive theater productions that were less about winning games than layering alternative meanings and narratives into participants’ experience of moving through cities or staged
environments (Benford and Giannachi 2011). As in the case of Davies’ (2009) “barely games” and the “subtlemobs” of artist collective circumstance, audio in particular has been explored as a medium in this context, being an inexpensive and unobtrusive means to layer an additional atmosphere and information stream into everyday life (see also Dow et al. 2005).

In parallel with this growing academic and artistic interest in pervasive games, design studios like Area/Code started developing experimental games in public spaces, as well as ARGs as marketing campaigns, which have nowadays grown into the lovechild of media companies as the future of transmedia storytelling, advertising, and marketing (Rose 2011). Independent game designers began to organize festivals dedicated to play in public spaces, such as Come out and Play, igfest, Hide&Seek, or Playpublik. And specifically in Northern Europe, live action role-playing (LARP) games developed into a unique subculture with high production value games, a decidedly noncommercial spirit, a strong theoretical discourse, and an artistic, political impetus that led to the exploration of societal issues and the testing of boundaries of appropriateness (Stenros and Montola 2010).

Silicon Valley and the Origins of Gamification

Serious games, funsultants and funology, countercultural play and pervasive games show that the use of games and play beyond the modernist confines of leisure times and playgrounds is far from new. Still, they remained relatively niche phenomena happening in research labs and subcultures. It was in the U.S. technology industry where between 2005 and 2010, some of these traditions would be absorbed and then strategically grown into “a thing” called gamification, to take off rapidly after January 2011.²

Around 2005, with the rise of web 2.0 business models centering on “harnessing collective intelligence” (O’Reilly 2005), web startups increasingly faced the challenge how to motivate users to sign up with the offered service, invite their friends, and part with their share of said collective intelligence. In reaction to this demand, in January 2005 Kathy Sierra, author and coeditor of the popular “Head First” book series with technology publisher O’Reilly, began to write about game design as an important inspiration for “Creating Passionate Users.”

In 2006, game and online community designer Amy Jo Kim started touring the Silicon Valley conference circuit, talking about the application of game mechanics to functional software. The gamified fitness application Nike+ was released and became the quintessential conference case study for service and experience design. Justin Hall and colleagues founded the startup GameLayers and built out the Passively Multiplayer Online Game (PMOG, later rechristened “The Nethernet”) that placed a game layer on top of web browsing.

In 2007, IBM contracted communication researcher Byron Reeves to publish white papers on the role of online games for business leadership. Chore Wars (Davis 2007) launched, a role-playing game around household tasks that became another early reference case.³ Jane McGonigal, who started her design career at the team-building game company Go Game, was employed by the Institute for the Future and began to present keynote talks at conferences such as ETech about using ARGs for “happiness hacking.” The startup Bunchball, founded by Rajat Paharia, pivoted toward “the science of engagement,” building out the meta-game features of its social games (leaderboards,
virtual currencies, virtual items) into a white-label platform that was deployed on the website of the NBC television series The Office to drive user activity.

In April 2008, StackOverflow was launched, a question-and-answer platform for software developers. Using a reputation system with points and badges inspired by the gaming experience of its developers, it quickly gained cachet in the technology industry. The same month, Rajat Paharia of Bunchball, Justin Hall of GameLayers, and one Gabe Zichermann met at a panel of the web 2.0 Expo to discuss how “to work massively multiplayer game mechanics into social websites.” Zichermann, a marketer working for publishers and companies servicing the games industry, had toyed with the idea of applying game elements to online photos and business cards, founding the startup rmbr. In May 2008, shortly after the web 2.0 Expo panel, he began blogging about “funware” and closed book deals on Game-Based Marketing with John Wiley and The Engaging Web with Manning Publications (rapidly renamed Funware in Action). In October, David Edery and Ethan Mollick’s (2008) book Changing the Game appeared and summarized the business application of games, only to be drowned by the financial crisis. In November 2008, the term gamification was documented online for the first time, then attributed to Clay Shirky and Bret Terrill. The verb gamify was presumably first used by Richard Bartle in 1980 during his work on MUD (Trubshaw and Bartle 1978). But the word didn’t catch on then, and it didn’t catch on in 2008.

Still, things sped up. In March 2009, foursquare launched at the SxSW festival and demonstrated that game design elements can drive the initial adoption and retention of users. The massive success of FarmVille (Zynga 2009), launched in June the same year, reaffirmed the impression that games somehow “solve” the problems of user acquisition and monetization. In August 2009, Bunchball’s Rajat Paharia registered the domain gamification.com. In September 2009, Volkswagen Sweden launched the advertising campaign “The Fun Theory” for its green brand Blue-Motion. Its slogan, “Fun can obviously change behavior for the better,” was illustrated in online videos of installations such as the Piano Stairs: stairs down to a subway station are rebuilt into giant piano keys that play a sound when people step on them, motivating people to take the stairs instead of the escalator next to them (at least on day one). The videos spread virally and offered short, fun, high-production value case studies for the concept of gamification. In November 2009, Byron Reeves and J. Leighton Read’s Total Engagement appeared, a business-book-length exposition of their 2007 white papers that MMORPGs provide the blueprint for future work environments.

In January 2010, Microsoft Office Labs launched Ribbon Hero, a tutorial game for learning the Office Suite ribbon interface. It became another staple case study. David Helgason, CEO and cofounder of game engine provider Unity Technologies, blogged that 2010 will be “the year of gamification.” The word started to get currency, flickering between “gameification,” “game-ification,” and “gamification,” but “game mechanics” and “game dynamics” were used as well. In February, game designer Jesse Schell gave the talk “Design Outside the Box” at the game industry conference DICE, presenting a vision of the future where every little action will be tracked and awarded with points by advertisers and governments. The video became a viral hit, and Schell put up a “Gamepocalypse” blog. In March, Jane McGonigal’s talk “Gaming Can Make a Better World” was released on TED.com and also spread virally.
To summarize, by early 2010 Zynga had heated up venture capital interest in everything online game-related, and Nike+, foursquare, Chorewars, StackOverflow, and Ribbon Hero presented success stories of the use of game design beyond games. There was at least one startup (Bunchball) that provided a white-label gamification platform and a popular advertising campaign (The Fun Theory) that helped illustrate the idea. In the technology conference circuit and business book aisles, a discourse around the use of game design beyond games had thickened, to hit mainstream audiences with the futurist talks of Jesse Schell and Jane McGonigal. There are many converging threads, but there is no gestalt, no single word.

And then. In May 2010, Bunchball relaunched its website, now stating that its white-label platform Nitro “brings the power of Gamification to you.” In June, Manning Publications announced that they will not publish Gabe Zichermann’s Funware in Action. In July, Zichermann (whose first book Game-Based Marketing had just appeared) gave a talk on gamification at the Develop 2010 conference—it’s the first time the term appeared in any of his presentations or his “funware” blog. In parallel, Zichermann registered the domain name gamification.co and founded Gamification Corp. In October 2010, Zichermann rerouted his funwareblog.com to gamification.co, where all previous content was now hosted. He announced the “Gamification Summit,” and, shortly thereafter, that his book Gamification by Design would be published by O’Reilly in 2011—turning out to be the manuscript of Funware in Action. The Gamification Summit commenced on January 20, 2011, with Zichermann as host, Bunchball as showcase sponsor, Jane McGonigal as keynote speaker (launching her book Reality Is Broken the same day), and Amy Jo Kim as leader of a “gamification workshop.” The technology media report: a meme is baptized.

**Enablers**

In the late 2000s, then, we find the seeds of serious games and pervasive games, of countercultural art games and play in public, of playful interaction, ludic design, and gamification both growing and accelerating to grow into a gameful world. This raises the simple question: Why? And why then?

One obvious reason is the rise of digital games as a cultural medium of its own right in the 2000s. Cohorts whose childhoods were spent playing video games began rising into positions of cultural power in media and education. Game studies, game exhibits, game museums, and game canons were formed, institutionalizing games as objects of cultural worth, facilitated by the rise of art games and serious games. Politicians discovered games as part of the highly sought-after “creative industries” and started catering to game companies, and journalists and marketers discovered games as reliable attention magnets. Games developed cultural momentum; they become cool. As a consequence, social actors tried to cash in on games’ symbolic capital (see Bogost, this volume) and probed the applicability of games for their own ends, as happened with radio propaganda, documentary film, or educational television before.

Some authors have suggested that we are witnessing the rise of a “gamer generation” (Beck and Wade 2006; Shore 2011) belonging to the larger cohort of “digital natives” that puts new, “gamy”
demands on workplaces, products, and public institutions. However, these analyses suffer from the same shallow data basis and massive overgeneralization as the concept of “digital natives” itself (Jones et al. 2010). A more convincing line of reasoning is provided by longitudinal studies of the post–World War II shift toward postmodern values in Western industrialized nations, such as the World Values Survey (Ingleheart 2008). According to these, cultural development charts a relatively predictable path: with the first wave of modernization comes a shift from traditional, survival-focused values of religion and community to values of economic achievement and rational, legal state authorities. Growing affluence and functioning institutions increase the experience of existential safety. This brings about a second, postmodern shift that de-emphasizes authority and economic achievement and foregrounds the maximization of personal well-being and self-expression. Against this background, it appears sensible that postwar generations in postmaterial societies would positively value games and play as worthwhile sources of such well-being and self-expression.

A congruent economic argument can be made about the post–World War II shift toward a post-Fordist, dematerialized service, information, and experience economy. As the provision of basic sustenance goods (food, shelter, clothing, mobility) and higher consumer goods becomes commoditized, margins and market differentiators shift toward the immaterial, symbolic, and experiential: an “experience economy” (Pine and Gilmore 2011) of lifestyle marketing and “retailtainment” (Ritzer 2004) emerges where “the experience is the product” (Merholz et al. 2008, 1), and companies are in a perpetual search for the next experiential “value add.” Playful and gameful design appear as a logical outgrowth of this trend.

In parallel, with the exponentially decreasing costs of processing power, data storage, and networking bandwidth, more and more everyday interactions are mediated through networked computing devices; sensors, processors, and actuators become ubiquitous, from the smartphones in our pockets to the “smart cities” we walk through, and more and more behavioral data of individuals are tracked, stored, and analyzed. This technological rise of a “code/space” (Kitchin and Dodge 2011) effectively equips our lifeworld for pervasive, large-scale gaming: as goal-oriented, rule-based input-output systems, games require some sensing and tracking of activity, some processing of activity according to the rules, some storing of game states, and some display of game feedback. Today’s code/space is the basic technological precondition for deploying algorithmic game(like) systems beyond the confines of a single gaming device and software (see Nova, this volume). Several authors have in fact argued that computers and games show such deep structural similarities (Pias 2002; Zimmerman, this volume) that computerization equals gamification.

**Contemporary Rhetorics of the Gameful World**

The growing interest in and use of games and play beyond the entertainment game industry and game studies has widened the discourse, but also created friction, as it brings in people from different traditions, contexts, and disciplines with different agendas, experiences, and reference points. This
situation somewhat mirrors the state of play research at the end of the 1990s, which then led Brian Sutton-Smith (1997) to pen *The Ambiguity of Play*. The book presents a historical discourse analysis of play in scholarship and popular culture, tracing the miscommunication between researchers and pundits back to different value-laden “implicit narratives,” or rhetorics: “the way play is placed in context within broader value systems,” “large-scale cultural ‘ways of thought’ in which most of us participate in one way or another, although some specific groups will be more strongly advocates for this or that particular rhetoric” (8–9).

I hold that the same phenomenon is at work in the current discourse around the gameful world. And like Sutton-Smith, I believe that “by revealing the rhetorical underpinnings of the apparently diverse theoretical approaches” toward the gameful world, “there is the possibility of bridging them with some more unifying discourse” (Sutton-Smith 1997, 9).

Appropriating Sutton-Smith’s validating criteria for the identification of a play rhetoric (15–16), I suggest that a gameful world rhetoric presents a more or less coherent, self-stabilizing network of the following components:

- one or more communities of practice that reproduce the rhetoric: its fit with the practices, values, mental models, and standard operating procedures of a community stabilizes a rhetoric;
- one or more academic disciplines in which the community members were likely socialized, whose epistemology, theories, and methods fit their practice and rhetorics and lend them legitimacy;
- concepts and intellectual precursors that can be referenced and drawn upon as jointly known and accepted as authoritative;
- main proponents of the rhetoric in the current discourse;
- typical application areas informed by the rhetorics, whose fitting affordances again stabilize the rhetoric;
- prototypical nongame analogs that offer conceptual metaphors to guide thinking about games in the form of “games are like X”;
- a specific framing of games and game design in terms of specific concepts and theories, foregrounding specific properties and backgrounding others;
- specific reference game genres whose features fit and stabilize the rhetoric;
- a moral politics of play: a wider social valuing and placing of play, games, and game design in either liminal or liminoid terms;
- finally, many rhetorics of the gameful world perpetuate one of the play rhetorics identified by Sutton-Smith.

The use of the term *rhetorics* is not meant to imply a linguistic relativism or a historicism for which every rhetoric is “immediate to Truth,” to paraphrase von Ranke. It is grounded in a pragmatist stance: theories, perspectives, and rhetorics are practical tools, not Platonic mirrors, and some tools are more useful or viable than others. Also, the rhetorics presented in the following subsections are to be seen as Weberian ideal types. Any individual speaker is likely to appeal to several rhetorics, have her own individual twist, suggest combining two or swapping one for the other, or similar. Likewise, any designer in her practice will be guided by her own idiosyncratic blend, and any resulting application will be describable post hoc in the terms of different rhetorics. With these provisions out of the way, let us look at the individual rhetorics in detail (tables 1.1–1.4).
### Table 1.1
Rhetorics of the gameful world, part 1 of 4

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<th>Nudging</th>
<th>Exploitation</th>
<th>Status</th>
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<td>Critical theorists</td>
<td>Marketers, social media startups, managers</td>
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<td>Behavioral economics, social psychology</td>
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<td>Cognitive biases and heuristics, persuasion, incentive-centered design</td>
<td>Free labor (Terranova), playbor (Kücklich), ideology, symbolic politics</td>
<td>Conspicuous consumption (Veblen), social capital (Bourdieu), signaling theory, self-presentation (Goffman)</td>
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<td>Public policy, health, sustainability, marketing</td>
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<td>Choice architectures using cognitive biases</td>
<td>Exploitation, tokenism, bullshit, false consciousness</td>
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<td>Clicktivism, free labor, human information tasks</td>
<td>Reputation systems, loyalty programs, status goods</td>
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<td><strong>Reference Genres</strong></td>
<td>MMORPGs</td>
<td>Social network games</td>
<td>MMORPGs, social network games</td>
<td>Achievement systems</td>
</tr>
<tr>
<td><strong>Moral Politics</strong></td>
<td>Liminal optimization of fitness, profit, productivity, policy outcomes</td>
<td>Liminal achievement of policy outcomes and business goals</td>
<td>Liminoid critique of surplus extraction, social inequity, and commodification of dissent</td>
<td>Liminal appeals to and reproduction of status anxiety</td>
</tr>
<tr>
<td><strong>Play Form</strong></td>
<td>Ludic</td>
<td>Ludic</td>
<td>Paidic</td>
<td>Ludic</td>
</tr>
<tr>
<td><strong>Proponents</strong></td>
<td>Byron Reeves, JP Rangaswami, Gabe Zichermann</td>
<td>Gabe Zichermann, Juho Hamari</td>
<td>Heather Chaplin, Liz Losh, P. J. Rey, McKenzie Wark, Ian Bogost</td>
<td>Gabe Zichermann</td>
</tr>
<tr>
<td><strong>Play rhetoric</strong></td>
<td>Progress</td>
<td>Progress</td>
<td>Power</td>
<td>Power</td>
</tr>
</tbody>
</table>
Table 1.2
Rhetorics of the gameful world, part 2 of 4

<table>
<thead>
<tr>
<th>Rhetoric</th>
<th>Performance</th>
<th>Well-being</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Communal</td>
<td>Hedonic</td>
</tr>
<tr>
<td></td>
<td>Immersive</td>
<td>Eudaimonic</td>
</tr>
<tr>
<td>Communities</td>
<td>Nordic larp, performance art and public play design community</td>
<td>Mixed reality researchers and art groups, narrative educational role-playing</td>
</tr>
<tr>
<td>Academic Disciplines</td>
<td>Performance studies, game studies</td>
<td>Media studies, performance studies, computer science, educational research</td>
</tr>
<tr>
<td>Concepts and Precursors</td>
<td>Performance (Schechner), ritual (Turner), play community (DeKoven), collective effervescence (Collins)</td>
<td>Mixed reality performance (Benford), barely games (Davies), augmented environment (Bolter), spatial stories (Jenkins), transformational play (Barab), practomimesis (Travis)</td>
</tr>
<tr>
<td>Application Areas</td>
<td>Therapy, art, community building, political activism</td>
<td>Art, entertainment, education</td>
</tr>
<tr>
<td>Games as . . .</td>
<td>Collective performance and experience of temporary refractions</td>
<td>Immersive worlds and narratives</td>
</tr>
<tr>
<td>Non-game Analogs</td>
<td>Rituals, performance art, happenings, parties</td>
<td>Theater, virtual reality, amusement rides, theme parks</td>
</tr>
<tr>
<td>Reference Genres</td>
<td>Larps, pervasive games, art games, new games, ARGs</td>
<td>Augmented reality games, story-driven games, RPGs</td>
</tr>
<tr>
<td>Moral Politics</td>
<td>Liminoid temporary autonomous zone for communities</td>
<td>Liminoid experiences, liminal pleasures</td>
</tr>
<tr>
<td>Play Form</td>
<td>Paidic</td>
<td>Paidic</td>
</tr>
<tr>
<td>Proponents</td>
<td>Jane McGonigal, Kars Alfrink, Jaakko Stenros</td>
<td>John Carroll, Russell Davies, Lee Sheldon, Roger Travis</td>
</tr>
<tr>
<td>Play Rhetorics</td>
<td>Identity</td>
<td>Imaginary</td>
</tr>
</tbody>
</table>
Table 1.3
Rhetorics of the gameful world, part 3 of 4

<table>
<thead>
<tr>
<th><strong>Rhetoric</strong></th>
<th><strong>Pleasure</strong></th>
<th><strong>Systems</strong></th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Expressive</td>
</tr>
<tr>
<td>Communities</td>
<td>Advertisers, designers</td>
<td>(Indie) game designers and scholars</td>
</tr>
<tr>
<td>Academic Disciplines</td>
<td>HCI, Industrial design, user experience, game design</td>
<td>Game design, literary theory, computer science</td>
</tr>
<tr>
<td>Concepts and Precursors</td>
<td>Funology (Blythe et al.), playfulness (Korhonen et al.)</td>
<td>Serious games (Abt), proceduralism (Wardrip-Fruin, Mateas, Bogost), systems theory</td>
</tr>
<tr>
<td>Application Areas</td>
<td>Advertising, design</td>
<td>Arts, political communication</td>
</tr>
<tr>
<td>Games as . . .</td>
<td>Experiences designed for pleasure</td>
<td>Designed rule systems proactively expressing meaning</td>
</tr>
<tr>
<td>Non-game Analogs</td>
<td>Playful design</td>
<td>Literature, propaganda, algorithms, hacking</td>
</tr>
<tr>
<td>Reference Genres</td>
<td>Advergames, toys, installations, amusement parks</td>
<td>Persuasive games, rule-intensive games</td>
</tr>
<tr>
<td>Moral Politics</td>
<td>Liminal attention generation, entertainment, and value-add</td>
<td>Liminaloid social critique</td>
</tr>
<tr>
<td>Play Form</td>
<td>Paidic</td>
<td>Liminal training of the twenty-first century workforce, liminoid empowerment</td>
</tr>
<tr>
<td>Proponents</td>
<td>Jesse Schell, Stephen Anderson, Nicole Lazzaro</td>
<td>Ian Bogost</td>
</tr>
<tr>
<td>Play Rhetorics</td>
<td>Frivolity</td>
<td>Imaginary</td>
</tr>
</tbody>
</table>

Table 1.4
Rhetorics of the gameful world, part 4 of 4

<table>
<thead>
<tr>
<th>Rhetoric</th>
<th>Cultural form</th>
<th>Playfulness</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Free</td>
</tr>
<tr>
<td>Communities</td>
<td>Game artists, media scholars</td>
<td>Philosophers, critical designers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Product designers</td>
</tr>
<tr>
<td>Academic Disciplines</td>
<td>Aesthetics, cultural and media studies</td>
<td>Philosophy, critical design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Design</td>
</tr>
<tr>
<td>Concepts and Precursors</td>
<td>New media literacies, media theory, cultural studies</td>
<td>Carnival (Bakhtin), paidia (Caillois), Dyonisian (Nietzsche), free play (Nachmanovitch), ludic design (Gaver)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Design thinking, creativity</td>
</tr>
<tr>
<td>Application Areas</td>
<td>Arts, media</td>
<td>Infinite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Product innovation</td>
</tr>
<tr>
<td>Games as . . .</td>
<td>Aesthetic forms and cultural media</td>
<td>Material for the playful recombination of behaviors, objects, meanings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Creativity techniques</td>
</tr>
<tr>
<td>Non-game Analogs</td>
<td>Music, film, literature</td>
<td>Carnival, jazz, childhood play</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Card games, word games</td>
</tr>
<tr>
<td>Reference Genres</td>
<td>Indie games, art games</td>
<td>Sandbox simulations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Card games, word games</td>
</tr>
<tr>
<td>Moral Politics</td>
<td>Liminoid reflection of culture, self-expression, art for art’s sake</td>
<td>Liminoid heterotopia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Liminal rationalized creativity</td>
</tr>
<tr>
<td>Play Form</td>
<td>Paidic</td>
<td>Paidic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Paidic</td>
</tr>
<tr>
<td>Proponents</td>
<td>Joost Raessens, Eric Zimmerman, Frank Lantz, Ian Bogost, Mary Flanagan</td>
<td>Miguel Sicart, Bill Gaver, Scott Nicholson, Jaakko Stenros</td>
</tr>
<tr>
<td></td>
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<td>Luke Hohmann, Dave Gray</td>
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<tr>
<td>Play Rhetorics</td>
<td>Imaginary</td>
<td>Frivolity</td>
</tr>
<tr>
<td></td>
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<td>Imaginary</td>
</tr>
</tbody>
</table>

The Rhetoric of Feedback

The rhetoric of feedback has been put forward most strongly in Reeves and Read’s (2009) *Total Engagement*. MMORPGs are blueprints for the future of work, they argue, because they create a fully transparent and meritocratic market: character statistics such as levels and skills are explicit and reliable markers of skill and reputation, goals are explicit numerical targets, and feedback is immediate and explicit. In MMORPGs, systems like “Dragon Kill Points” ensure loot is distributed meritoriously based on each individual’s measurable contribution to the team effort, solving collective-action problems. JP Rangaswami (this volume) similarly argues that the networked, distributed, exception-is-the-rule, “lumpy” quality of today’s knowledge work requires MMORPG design and gamer values, “active 360 feedback loops, highly sensitive controls, both close-in and as well as zoomed-out loci of operations.” Much “green gamification” (Froehlich, this volume) and health gamification (Munson et al., this volume) appeal to this line of reasoning: provide users timely
and actionable feedback on their health and environmental behavior, and they will improve it. As Aza Raskin (2011) put it: “The one secret to changing human behavior? Feedback loops.” This rhetoric connects gamification with the quantified self movement and with “big data” and “smart cities” discourses (Wolf 2009; Li, Dey, and Forlizzi 2010; Goetz 2011).

Underlying this rhetoric is a conception of human beings as computational and economic rational actors, dominant in a wide range of disciplines during the second half of the twentieth century. In essence, the claim is that humans are highly independent quasi-computers that rationally process information to plan and execute actions so as to maximize their self-interest. “Suboptimal” action (disengagement at school, free-riding at work, overeating, driving fuel-inefficiently) is therefore due to either incorrect information or insufficient incentives. The solution is to improve the available information or to align incentives with desired outcomes. In contemporary terms, behavior needs to be tracked and measured (with ubiquitous sensors), analyzed (with big data analytics), displayed (with data visualization), and incentivized (with granular scores translating into saved fuel, reduced health care premiums, etc.). The rhetoric of feedback thus reiterates mid-twentieth-century cybernetic, systems theoretical visions of social engineering performed by technical elites (e.g., Bell 1976), only in slightly more “distributed” and “agile” terms where software continually monitors and automatically adjusts information flows, terms, and incentives (O’Reilly 2010).

Games in this rhetoric are blueprints of perfect markets or feedback systems. Players cooperatively engage in activity intended by the system designers because games provide not only a wealth of real-time, precise, easy-to-grasp feedback on all relevant parameters but also granular, explicit, optimally balanced and aligned incentives for any and every desired activity (Williams, this volume). Game design is essentially market or mechanism design (Hamari, Huotari, and Tolvanen, this volume), and frequent nongame analogies are prediction markets, virtual currencies, KPIs, business intelligence, and employee bonus and customer loyalty programs.

This rhetoric is found in public policy, sustainability, personal health, and human information task platforms such as Amazon Mechanical Turk. Yet its main bedrock is corporate engagement, productivity, and collaboration (see Mollick and Werbach, this volume). It fits nicely with mental models and practices dominant in enterprises: games are seen as business dashboards and incentive programs, only somehow more and better. The societal role of games is thus framed fully in liminal terms: game design can allow managers and regulators to arrange for more competitive and productive employees (or citizens), solve collective-action problems, and coordinate distributed work.

The Rhetoric of Nudging

In the past decades, the rational actor model has been increasingly called into question across the social and behavioral sciences, to be replaced with the image of human beings as “social animals” (Brooks 2011): humans depend on others and are driven by social influence; they are guided by emotions, not just reason; most of their everyday behavior is habitual, not consciously planned; and even where rationality holds, it is bounded.

The most visible rendition of this view has come in the shape of behavioral economics, which
empirically studies how people’s actual economic behavior deviates from predictions based on the *Homo economicus* model, explaining this deviation with certain cognitive heuristics and biases. In their influential book *Nudge*, Richard Thaler and Cass Sunstein (2008) flipped the descriptive analyses of behavioral economics into prescriptive advice for policy makers: to improve regulatory outcomes, governments should engage in “choice architecture” that uses knowledge about cognitive biases in the presentation of choices to “nudge” individual choice in the desired direction. Beyond policy circles, this rhetoric has become prevalent in (online) marketing and user experience design as “persuasive design” (Deterding 2012b). Hence, consumer marketing is the predominant application area and real-life analog of this rhetoric, though it also extends to personal health, green technology, and public policy.

Gamification evangelists and scholars alike have appealed to behavioral economics as a foundation for gamification (Paharia 2010; Zichermann and Linder 2013). Game design is framed liminally as helping governments and marketers to drive policy outcomes and sales with choice architectures whose design patterns directly use cognitive biases and heuristics, social influence, emotional appeals, and the power of habit. Social network games like FarmVille are the reference genre of choice: their gifting mechanics utilize guilt and reciprocity norms to get people back to the game; appointment play with decaying resources makes use of the sunk-cost fallacy and endowment effect; and so on (Hamari 2011, 2013).

### The Rhetoric of Exploitation

The expectable opposition to market and nudging rhetorics comes from political economy and critical theory, where gamification is seen as the most recent adaptation of capitalism to reproduce the power and property relations of bourgeoisie and proletariat (Rey, this volume).

As societies become affluent and work is dematerialized into affective, creative, and information labor, new, *symbolic* goods and forms of consumption have to be invented to keep production running, and new ideologies have to be fashioned to appease the public. Furthermore, creative, affective, and information labor require a degree of emotional investment, self-investment, initiative, and flexibility that is incompatible with the alienation of twentieth-century Fordism—which denied workers any autonomy and initiative and offered nothing but money in exchange. The new economy replaces Fordism with a “play ethic” (Kane 2004) that dissolves the modernist distinctions of work and leisure into “weisure” (Conley 2008), producers and consumers into “produsers” (Bruns 2008), and play and labor into “playbor” (Kücklich 2005): the workplace is presented as a playground where “friends” “grow themselves” and “have fun” while working on things that “make a dent in the universe.” This factual and rhetorical de-alienation of labor enables its continued *exploitation* (Rey, this volume). In the “free service for data” deal, the terms (of service) are set by the platform owners, and the surplus value stays with them. One exemplary site of such de-alienated exploitation is the “free labor” (Terranova 2013) performed by players of “games with a purpose” (Zitztrain 2008).

Games and gamification in this rhetoric manifest symbolic goods, modes of production, and ideologies that commodify dissent and optimize surplus value extraction while covering up their exploitative nature with a false consciousness. They create...
artificial demand for virtual items without real value. They channel dissatisfaction into slacktivism and “epic wins” in virtual worlds. They replace real co-determination, deliberation, and participation by employees, shareholders, and citizens with tokenist “engagement” in “idea platforms” and “democracy hackathons.” Instead of helping the public to identify and align around systemic social issues, games and gamified platforms for health, education, self-management, or civic engagement let people “feel as if they’re doing something worthwhile” (Chaplin 2011). Government serious games harness the symbolic capital of games (Losh 2009), and development aid projects like the PlayPump (Borland, this volume) make for uplifting feel-good stories—no matter if outcomes on the ground are dysfunctional. In gamified employee and customer relations, “(o)rganizations ask for loyalty, but they reciprocate that loyalty with shams” (Bogost 2011b). In short, this rhetoric explicitly addresses and critiques the liminal framing of the rhetorics of feedback and nudging.

**The Rhetoric of Status**

Where the rhetoric of feedback and nudging strike an individualist tone, the rhetoric of status turns to the collective. No person has pushed the role of status more strongly and consistently than gamification evangelist Gabe Zichermann. He presents social status as a central human drive that fuels an innate desire to compete, win, and publicly display tokens of achievement. His “SAPS” hierarchy puts status on the first place as the most desired (and least expensive) reward. Status competition is presented as the unifying core of games, loyalty programs, and social life writ large (Zichermann and Linder 2010, 15, 41; Zichermann and Cunningham 2011, 9–11, 91–92; Deterding 2011).

Zichermann’s status rhetoric echoes the premodern play rhetorics of power (Sutton-Smith 1997, 74–90), where games, sports, and other ritualized contests are seen as (predominantly male) arenas of publicly asserting dominance, cool nerves, and group affiliation, but his statements ultimately lack scientific grounding. This is surprising given that ethnology, sociology, and social psychology provide ample resources to substantiate and unpack such status rhetorics: one may appeal to Veblen’s conspicuous consumption, Bourdieu’s analyses of social capital and the reproduction of class difference through displaying “good taste,” Cooley’s looking-glass self, Goffman’s (1959) studies of self-presentation, or psychological research on social motives like power, achievement, and affiliation (Reeve 2009, 170–200). One might even appeal to evolutionary signaling theory, reasoning that animals display costly signals (like elk horns, peacock tails, luxury goods, or diplomas) because these provide a hard-to-fabricate indication of one’s reproductive fitness (Bliege Bird and Alden Smith 2005). All these approaches argue for a central role of social signaling in human coexistence. Seen in their light, games and gamified systems are public arenas that provide means for fashioning scarce and costly signals of status, fitness, and trustworthiness. However, their portrayals of the dynamics of symbolic social regard are also far more intricate and complex than gamification proponents would have them be.

The most relevant application of these theories for games and gamification can be found in informatics and HCI research on self-presentation, trust, and motivations for contributing UGC on social media (Lampe, this volume) and game scholarship on
gaming capital and achievement systems (Consalvo 2007; Jakobsson 2011; Medler 2011).

Given the naturalizing terms in which gamification proponents appeal to status, this rhetoric is again liminal: all there is to do is for system designers to hook into people’s natural “drives” to status to motivate them to pursue the system’s goals. Critics in, for example, sociology, psychology, or informatics have countered that competing for social status is long-term detrimental to psychosocial well-being (Dweck 2008; Deci and Ryan 2012) and an acquired, learned need—one we don’t find as strongly in collectivist cultures (see Khaled, this volume).

The Rhetoric of Performance

If status is one side of the coin of collective rhetorics, communal performance is the other. Its proponents—most prominently Jane McGonigal—emphasize collaboration over competition, shared experience over individual distinction, and the “epic” sense of “Becoming a Part of Something Bigger than Ourselves” (McGonigal 2011, 95). We find this rhetoric in the artistic public play and pervasive game communities, mixed reality art groups, Nordic larp, and Bernie DeKoven’s notion of a “play community” (DeKoven 2013; DeKoven, this volume). Games are understood as collective rituals: temporally, spatially, and socially set-apart alternate realities where participants can embody and explore alternative roles and behaviors. New social frames of meaning and norms get negotiated and enacted, and this joint performance of an alternate little world unto itself gives rise to strong embodied experiences of “collective effervescence” (Collins 2004) or communitas (Turner 1982; see Stenros, this volume).

The rhetoric of performance ties directly back to the premodern play rhetoric of identity, framing play as events in which individuals experience their belonging to their community and reassert its sacred moral order (Sutton-Smith 1997, 91–110). Its nongame analogs are festivities, performance art, and happenings. Here, gamification (although proponents of this rhetoric usually shun the term) entails that the spatially, temporally, and socially bounded alternate reality of a ritual becomes pervasive as a shared framing that generates and stabilizes new meanings, experiences, behaviors, and roles in everyday life (McGonigal 2011, 125–126). Hence play activities and games that blur the boundaries between games, public space, and everyday life are the reference prototypes of this rhetoric: situationist practices, LARP, ARGs, pervasive games, or the “big games” of Area/Code (2007).

Analytically, the rhetoric of performance as communal action can be distinguished from a second flavor, immersive performance, where games are seen as environments whose dramaturgical arrangement creates narrative experiences for the person who moves through them: “spatial stories” (Jenkins 2004). In this context, gamification means to layer media onto everyday reality to reframe the environment and activity of the audience-as-performer, a technology-enabled pretense. Proponents span from Carroll and Thomas’s (1982) “metaphoric cover stories” to today’s immersive theater, mixed reality, and narrative role-playing-based forms of gameful learning (Barab, Gresalfi, and Ingram-Goble 2010; Sheldon 2011; Travis 2011). Role-playing and augmented reality games are the typical reference genre, and theme parks, amusement rides, and theater the typical nongame analogs.
In McGonigal’s (2011) current writings, games are presented as the positive normative yardstick for social life and the means to move individual experience and collective action toward this optimum—ultimately, a secular liminal position where societal values are given and affirmed, and individual action is utilized for the collective good of individual happiness. Other proponents of this rhetoric conceive of games in liminoid terms as temporary autonomous zones (Bey 1991) where the culturally dominant meanings, values, and ways of life can be questioned and dissolved, where experiences that “another world is possible” can be made and oppositional communities forged. Many projects of this rhetoric—like Macon Money (Area/Code 2010)—aim to counteract the segregation and loss of community in cities that are framed as both a cause and part of the systemic inequities of today’s societies (see Alfrink, this volume). It is an irony of history that ritual—the very embodiment of affirmation of the social order in premodern societies—should in late modernity be viewed as a principal space for challenging it.

The Rhetoric of Reinforcement

The rhetoric of reinforcement shares many proponents, tenets, and design approaches with the rhetorics of feedback and nudging. Their joint interest is using technology to drive individuals’ behavior in an intended direction—in other words, “persuasive technology.” Coined by psychologist B. J. Fogg (2003, 1) the term describes “any interactive computing system designed to change people’s attitudes or behaviors.” Fogg has since 2003 focused more and more on behaviors over attitudes, fashioning his own “Behavior Model” (Fogg 2009a) and “Behavior Grid” (Fogg 2009b). Through his business consultancy work, he has been instrumental in the resurgence of behaviorism among technology and design circles in Silicon Valley. In the rhetoric of reinforcement (as in behaviorism writ large), intention and cognition are seen as mostly epiphenomenal. Behavior is explained—that is, mathematically modeled and predicted—as the relation of the observable previous history of reinforcement of an organism and its current environment of observable stimuli (see Linehan, Kirman, and Roche, this volume). This “engineering” view of human behavior, coupled with a focus on data and predictive modeling, seems to resonate with the existing mental models and practices within software and technology companies.

In the gamification discourse, the rhetoric of reinforcement was first struck by Fogg’s doctoral advisor Byron Reeves (Reeves and Read 2009, 71–75) and has since become a mainstay in the publications of Gabe Zichermann (Zichermann and Cunningham 2011) and Michael Wu (2012). These authors present games as systems that produce optimal stimuli and reinforcement. Slot machines and loot drop in World of Warcraft (Blizzard Entertainment 2004) are evoked as prime examples of variable ratio reinforcement schemes that deliver reinforcements on desired behavioral responses at a not fully predictable rate, which is seen to explain their “addictive” quality.

Notably, even critics of gamification often deploy the rhetoric of reinforcement, equating gamification with “Skinner boxes”; that is, the experimental setup of B. F. Skinner and colleagues where animals are placed in a box with a lever and food dispenser (Linehan, Kirman, and Roche, this volume). Such “Skinner box” appeals are sometimes used to highlight the reductionism of behaviorist explanations,
but most often to express moral outrage over designers intentionally using behaviorist techniques on human beings—thereby implicitly expressing a strong belief in the efficacy of these techniques (Pesce, this volume). This common reaction to the rhetoric of reinforcement (and persuasive technology more generally) has led to a legitimizing ethics discourse (Berdichevsky and Neuenschwader 1999; Fogg 2003, 211–244; Zichermann 2012). In practice, these ethics are usually construed as constraints on what is “still permissible” in the liminal perfection of means toward the predetermined ends of the system owner. Applications inspired by the reinforcement rhetoric range from employee engagement and customer loyalty to public policy, but arguably center around “Habit Design” for personal health and self-improvement. It bears pointing out that many proponents of the reinforcement rhetoric appeal to science but ultimately operate on a folk theoretical understanding, amalgamating knowledge of often obsolete and even mutually contradicting bodies of research (e.g., Maslow’s hierarchy of needs with behaviorism, cf. Wu 2012), filtered through pop science journalism or B. J. Fogg.

The Rhetoric of Well-Being

The rhetoric of well-being is grounded in the cognitive and positive psychology that presents the very counterreaction to behaviorism in the history of psychology: the (re)discovery of the fact that humans voluntarily engage in activities without any reinforcement and that one and the same dreadful circumstance might lead to radically different understandings, experiences, and thus behavioral responses challenged the behaviorist ban on taking internal states into account. Consequently, the rhetoric of well-being emphasizes internal states over environmental circumstance, experience over behavior, and self-determination over outside control. The chief intellectual guideposts in this rhetoric are Aristotelian (2002) virtue ethics, Apter’s (2006) reversal theory, Csikszentmihalyi’s (1990) concept of flow, self-determination theory (Deci and Ryan 2012), and the works of positive psychologist Martin Seligman (2011). All are concerned with the nature of human well-being, and all propose that human beings actively seek out and enjoy certain intrinsically valued states. Indeed, the human being in this rhetoric is defined by its ability to transcend its animal determination by bodily pleasure and pain toward ever-greater self-determination.

The rhetoric of well-being frames the “fun” of games as just those states that we as humans innately strive for: experiences of competence, relatedness, and autonomy, of meaning and flow. Games are seen as environments that optimally afford such experiences (Csikszentmihalyi 1990, 48–76; see Rigby, this volume). Notably, the quality of one’s experience is seen to depend on both external circumstances and one’s internal stance toward them. We might perceive and engage in an activity as “autotelic” (Csikszentmihalyi), “paratelic” (Apter), “autonomous” (Deci and Ryan)—or not. This is why proponents of the rhetorics of well-being emphasize perceived autonomy as a necessary condition for play.

One aspect of the rhetoric of well-being, forwarded by Jane McGonigal among others, might be called hedonic. In her view, judged by its ability to provide what humans strive for, “reality, compared to games, is broken.” (McGonigal 2011, 3). Her proposed solution is to (a) play more games to sate our unfulfilled needs, and (b) redesign the world in the image of
games, again (c) using games to motivate people to engage in these redesign efforts.

Miguel Sicart (this volume), Marc Hassenzahl and Matthias Laschke (this volume), myself (Deterding 2012a), and to a certain extent, McGonigal herself have emphasized a different aspect of well-being one may call eudaimonic. Taking a primary cue from Aristotelian ethics, the focus is less on happiness than eudaimonia or flourishing as the lifelong development into a self-determined, self-concordant human being. Changing outer circumstances alone by definition cannot bring about such flourishing, because it is the development of self-knowledge, self-awareness, and self-regulating skills or virtues through deliberate practice. In this rhetoric, gamification is seen as ideally facilitating tools of “extended will” or “pleasant troublemakers” we enroll in our pursuit of eudaimonia (Heath and Anderson 2010; Hassenzahl and Laschke, this volume; Selinger, Sadowski and Seager, this volume). Analogs are the practicing of crafts or martial arts. Physical sports or games like Go and chess that allow a lifelong deepening of skills as well as “light,” playful interactions that invite reflection instead of forcing (or easing) action are prototypical game genres. This rhetoric is deeply liminoid, wedded to modernist rhetorics of self-realization (Sutton-Smith 1997, 173–200).

The Rhetoric of Pleasure

The rhetoric of pleasure is found predominantly in HCI as well as user experience and game design, with Jesse Schell (this volume), Stephen P. Anderson (2011), and Nicole Lazzaro (2008) being main figureheads. Here, the central question is how to create an entertaining, enjoyable, engrossing experience—be that for a marketing or advertising campaign, a product or service, or a stand-alone entertainment offering. In all cases, games are seen as the genre of interactive experiences that has been built with the sole purpose of providing enjoyment—hence, they are a medium of choice and a source of inspiration for designers who want to design for pleasure. This rhetoric is holistic and applied—the main interest is in supporting the practice of design with (conceptual) tools and processes. Many different forms, causes, and conditions of enjoyable experiences are acknowledged (Arrasvuori et al. 2011), as is the importance of design detail and the complexity of circumstances.

Given its broad stance and perspective, this rhetoric is grounded in a broad range of exemplary phenomena, including toys, amusement park attractions, and museum installations. Its applied focus is fully liminal, supporting organizations in designing and marketing products and services.

The Rhetoric of Systems

The rhetoric of systems—sometimes also labeled proceduralist or formalist (Sicart 2011)—is a distinctive emic discourse of game design and game studies. Central proponents are designers and scholars such as Eric Zimmerman (this volume; Salen and Zimmerman 2004), Ian Bogost (2007), and Michael Mateas and Noah Wardrip-Fruin (2009). Grounded in literary theory, computer science, systems theory, and education, this rhetoric portrays games as designed rule systems with which one can interact. The expressive branch of this rhetoric is especially interested in games as meaning-making media—how rule systems are able to present claims about other systems, and how meaning is generated in the interaction between people and rule systems. The
main reference genres here are simulations or otherwise rule-intensive games; algorithms, societal rule systems, and expressive media (especially literature) are common nongame analogs. The expressive potential of games is at the same time criticized as a potential “hidden persuader” (see Starr 1994) and actively encouraged in the design of persuasive games (Bogost 2007). This rhetoric has been so far mostly used as a critique of gamification (Bogost, this volume; Robertson 2010), making the argument that the reduction of games to reusable feedback design elements misses their systemic nature, and thus ignores the complexity of both game design and the game-player interaction. The moral politics of its representatives have given the expressive systems rhetoric a liminoid bent: by representing (or contrasting) the dysfunctions of other rule systems in society, games ought to raise players’ consciousness of them.

A slightly different tune is struck in the educational branch of the systems rhetoric (Gee, 2003; Squire, 2011; Ramirez and Squire, this volume). Grounded in constructionist and sociocultural learning theories, its representatives are most interested in the learning that takes place through and around games. Learning is understood as a process of constructing one’s understanding of and skill in engaging with the world through practical experience with complex real-world problems and participation in a surrounding community of practice. Games are thus viewed as sociotechnical systems of communities and artifacts, with the artifacts themselves being complex, probable systems. This makes simulation and multiplayer games, with strong player communities, the key reference genres. Systems thinking, design, creativity, complex problem solving, and collaboration are presented as the most relevant skills of the twenty-first-century workforce (Zimmerman, this volume), and game design as the activity where these skills are best trained, making hackers and designers aspirational role models: Ludoliteracy (Zagal 2010), procedural literacy (Bogost 2005; Mateas 2005), and computational thinking (Wing 2006) are understood as intimately linked. In this rhetoric, gamification is framed mostly critically, arguing that educational uses of gamification have so far fallen back into incentive systems that have proved detrimental to learning, while missing out on games’ ability to present complex real-world tasks and involve players in social learning (Ramirez and Squire, this volume). Counterexamples such as Lee Sheldon’s (2011) Multiplayer Classroom or the Quest 2 Learn schools (Salen et al. 2011; see Salen, this volume) again stress the systemic nature of games, restructuring classes (or school curricula) around complex, collaborative problems and design activities. This rhetoric fluctuates between the liminal and liminoid, based on the underlying educational philosophy—it is liminal (and echoing the modernist play rhetorics of progress; Sutton-Smith 1997, 18–51) where it plainly uses game design to realize socially demanded learning outcomes and educate a future workforce (e.g., Kapp 2012). It is liminoid where it understands education as the full development and empowerment of individuals.

The Rhetoric of Cultural Form

The rhetoric of cultural form overlaps with that of expressive systems in its framing of games as sites of expression, meaning making, and aesthetic experience. Yet it casts a wider net: many scholars and designers with backgrounds in art, art history, or cultural and media studies understand games broadly as an “aesthetic form” (Lantz 2011; Lantz, this
volume) parallel to painting, music, film, or literature, one that has its own specific affordances and tropes (Flanagan, this volume). As such, games partake in the wider circulation of meanings in culture—as reflections of the ideas, discourses, and ideologies of their time, and as expressions of individuals’ perspectives and (critical) reflections on them. Cultural participation today requires the acquisition of “new media literacies” (Jenkins et al. 2009), including the ability to appreciate and express oneself critically through the medium of games. Unsurprisingly, this rhetoric is particularly dear to the indie and art games communities.

This rhetoric is quintessentially modernist and liminoid, continuing the play rhetorics of the imaginary (Sutton-Smith 1997, 173–200). Games can be a medium of creative expression of the self and social critique, but as “art for art’s sake,” they do not need any instrumental, functional legitimacy. “In Defense of Beauty” (Zimmerman 2011), gamification is usually critiqued as profaning “the wild, magical beast of games” (Bogost 2011). At best, it is reframed as “ludification”—the recirculation of game aesthetics in the wider media culture (Raessens 2012).

The Rhetoric of Playfulness

A central motif in the rhetorics of play is to portray it as what by definition escapes definition, graspable only in the negative as the reversal of any existing order or form, as an inherently “meta” phenomenon of “antistructure” (Turner 1982, 52). In modernity, play has become framed as the frivolous opposite to the Protestant work ethic, but the rhetoric of frivolity goes back much futher to the ancient figure of the trickster god (Sutton-Smith 1997, 201–213).

Fittingly, in both the game studies and gamification discourse, the rhetoric of playfulness takes the shape of a counterdiscourse (Sicart 2011; Sicart, in press; Sicart, this volume; Nicholson 2012). It draws on philosophy and aesthetics to evoke the protean, creative, unruly powers of paidia (Caillous 2001) or Free Play (Nachmanovitch 1990). From its improvisational recombination of behaviors, objects, and meanings, new forms emerge. Play is thus not only “free movement within a more rigid structure” (Salen and Zimmerman 2004, 304) but also the movement and transcendence of structure, while still bound to it as its necessary antithesis. At the same time, the ludic civilization of rules and competition is ever present to bind the primordial impulse of playfulness (DeKoven 2013). Games in this rhetoric are that antithesis: they are the material for and solidified remains of play. If there is a genre of games conducive to play at all, it is the most toy-like, open-ended sandbox simulations such as Minecraft (Mojang 2009). Playfulness itself is seen not as a material object or activity, but as a non-instrumental, autotelic stance. It is a temporary liminoid appropriation and transformation of its source activity—a bout of benign mischief that for its very immoderateness always carries the danger of derailing into “dark play” (Schechner 1988). In HCI, this rhetoric is reflected in Gaver’s notion of “ludic design” (Gaver 2002; Gaver, this volume) that is less interested in the “improvement” of user experience than in creating spaces and objects for open exploration and reflection. Then again, in the design industry, we find the liminal harnessing of play as a source of creativity. Innovation games (Hohmann 2006), gamestorming (Gray, Brown, and Macanufo 2010), and gamified idea platforms are used to “manage innovation processes” (Gartner 2011) and to sate the demand of businesses for rationally accountable creativity.
Conclusion: Vos jeux, faite

Fitter, happier, more productive
Comfortable
Not drinking too much
Regular exercise at the gym (three days a week)
Getting on better with your associate employee contemporaries
At ease
Eating well (no more microwave dinners and saturated fats)
A patient better driver, a safer car (baby smiling in back seat)
Sleeping well (no bad dreams)
No paranoia

—Radiohead, Fitter Happier (1997)

So what remains? As with the rhetorics of play, we see that the rhetorics of a gameful world “are part of the multiple broad symbolic systems—political, religious, social, and educational—through which we construct the meaning of the cultures in which we live” (Sutton-Smith 1997, 9). Reviewing its histories—serious and pervasive games, artistic and countercultural play, playful design, socialist competition, playful resistance and funsultants at work—takes the breathless edge of newness from gamification. This in turn opens a view toward deeper underlying transformations of society: the postmaterial value shift, the rise of post-Fordist information, service, and experience economies, the instrumentation of our lifeworld into a code/space of ubiquitous computing, the emergence of digital games as a medium and industry, and the convergence of media into ever-new amalgamations.

Surveying the rhetorics of a gameful world, one finds a heterogeneity of communities, discourses, and practices that existed long before they came into contact with games and play. As a cultural moment and momentum, the gameful world is characterized by this very proliferation of perspectives that—I would argue—game scholarship should not fend off as “colonizing attempts” (Aarseth 2001), but embrace and reflect in its meaning and effects. If the unifying feature of play is its “adaptive variability” (Sutton-Smith 1997, 221), then “games” today are unified in their mirror-like quality to reflect the image of whatever preconceptions are brought to them: the alliances and oppositions among the rhetorics of the gameful world organize themselves along the fault lines of modernist politics of play, on the question of what the “proper” place of play and games in society ought to be.

On the one side, we find the liminal rhetorics that accept our secular gods of progress, productivity, and the self. They frame games, play, and game design as the perfection of means toward these given ends. Here we see economists and psychologists, marketers, designers, and educators building perfect markets and feedback systems, choice architectures and behavior programs, remedies for the stresses of everyday life, collective self-realization engines, digital pleasures and innovation machines, microworlds for the twenty-first century workforce—all to make us fitter, happier, more productive. What is new is that the liminal collectivity of ritual is dissolved into a mundane, individualist, technical rationality. No collective ritual: just a few more rules the individual chooses to self-obey and self-monitor (until ubiquity turns them into social norms and technical defaults). No ecstatic moment of boundless communitas: just linked data, social graphs, and aggregated visualizations. No temporary inversion that affirms the
order upon return, no risky Rumspringas: just direct affirmation.

These liminal rhetorics go hand in hand with an emphasis on and preference for ludic forms in Caillois’ (2001) sense: gamification is an inadvertently apt term, as the suggested solutions almost always involve adding more structure, rules, and goals (the only exception being the rhetorics of pleasure and industrial creativity). These added rule systems often present themselves as tools that empower individuals to pursue economic achievement and self-realization. Yet as Foucault has taught us, any such technology of the self at the same time is a technology of domination: just as it liberates through self-control, it controls through self-liberation. Continual self-governing is the very form of governmentality in modern liberal democracies and market economies (see Whitson, this volume), and celebrating the empowerment of individuals to better themselves puts the onus for any social problem on the individual, her “willpower” and “determination” (or lack thereof). All would be well if we all just ate a bit better, worked a little harder, drove a little more fuel-efficiently. You can get it if you really want, but you must try, try, and try—and gamification can help you along the way. This affirms the standing order by backgrounding any systemic causes or inequities, and thus any questioning of the sustainability or fairness of the order as such (cf. Thøgersen 2011).

Such liminal cultivations of play and games face the serious issue that the experience of autonomy in an activity is borne out by study after study as a constitutive feature of play and a central source of our enjoyment of it (Deterding 2013). It is not so much that we voluntarily play games because they are so much fun; rather, we experience game play as fun partially because it is framed as autonomous, with no outer control, coercion, or frightful consequence affixed. The irony of instrumentalizing play and games as means to another end, then, is that it depletes the very source it tries to tap into: the experience of autonomy in noninstrumental activity.

One the other side, we find the liminoid rhetorics of critique, resistance, subversion, likewise bowing to the modern god of the self, but in presumed opposition to and desired transformation of the standing order: here the artists, intellectuals, and subcultures, here the critical aesthetic interventions and creative civil disobediences that “raise awareness” of the exploitation and inequity in society, the pocket utopias reminding us that “another world is possible,” the focal practices of self-determination, the empowering mastery of new media expressing social critique and personal vision, the nonfunctional art for art’s sake, the little carnivals and tactics of resistance. They overwhelmingly coincide with a preference for paidic forms of play and games (Caillois 2001), the freeing of movement and dissolution of structure—the exception being the rhetoric of expressive systems.

These liminoid rhetorics have to answer to the question whether their critical interventions (like those of any avant-garde before them) will ever reach more than the already converted and highly educated few. They have to respond to Horkheimer and Adorno’s (2010/1969, 145–150) interjection that play as a refuge from the world of instrumentality is always already instrumentalized as a restoration for that world. And they have to ask themselves to what extent any playful reclaiming of public life is really a form of repressive tolerance that discharges revolutionary energy and resells it as commodified dissent.

In all its presumed dissolution of modernist boundaries between work and leisure, then, the rhetorics of
the gameful world reproduce the modernist opposition of the utopian politics of economic and technological progress and the romantic counterpolitics of the incommensurable individual and art as religion. Which raises the question: What are we not talking about? For this, let us turn to Jane McGonigal’s (2011) *Reality Is Broken*. The book’s premise is straightforward: “Reality wasn’t designed from the bottom up to make us happy. Reality, compared to games, is broken.” And so is the inviting conclusion: “What if we decided to use everything we know about game design to fix what’s wrong with reality?” (3, 7). Now to the extent that McGonigal—and other proponents of a gameful world—want us to be more aware and skillful designers of our own lives, they are to be applauded. But their project also reveals an almost Baconian modernist, technocratic belief in the ultimate knowability, controllability, and perfectibility of nature by mankind. Games certainly offer us such strong experiences of agency. Their narratives almost invariably reiterate some version of *Only You Can Save Mankind* (Pratchett 1992). There’s a reason we call Utopia (Dagelow 1982) or Populous (Bullfrog 1989) “god games.” Games are bounded spaces of “contrived contingency” (Malaby 2007) where the odds are ever in our favor: it might be a zero-sum game, but someone is bound to win—even if it is the bank. In this, games mirror the ontological cocoon of today’s technical civilization where gratification is instant, power is at our fingertips, and “disruptive” progress is a daily news story. Surely, any day now, diseases will be overcome, aging reversed, and death conquered.

But reality is not broken—the comparison is. Reality has no tutorials, walk-throughs, or rulebooks. Not every puzzle has a solution. There are no save games, no insert coins to continue (well, depending on your creed). The cards are almost invariably stacked, and often enough, everyone is bound to lose. Reality ultimately is much more messy, random, unfair, and beyond our control than games. To think otherwise is to fall for “the ludic fallacy” (Taleb 2010, 122–133; cf. Walz 2010b): to confuse map and territory, the calculable risks of gambling with the existential dangers of living, the contrived, controlled, known spaces of our games, models, and technical lifeworlds with the uncontrolled, unknown, uncaring cosmos. It is tantamount to believing in some form of benign predestination, or the megalomania of children playing a game of “War,” believing they can somehow force their will unto the cards.

This is the rhetoric of play conspicuously missing in today’s discourse: fate (Sutton-Smith 1997, 52–74). In Hinduism, existence is seen as *lila*, a form of play by Shiva Nataraja, the lord of dance. In dancing, Shiva creates and destroys universes for the pure pleasure of doing so. In another myth, Shiva splits into himself and his wife Parvati to play a game of dice together. They constantly cheat on each other and get angry over it—and this divine spousal infighting is the source of our worldly turmoil (Handelman and Shulman 1997). We also have this notion in the Western tradition. It is present in the jealousies and scheming of the all-too-human Greek gods. It is the *hamartia* of Aristotelian tragedy, the hero’s tragic flaw, the sight of which causes terror and pity in us through recognizing our own possible lot in it. It is the wheel of fortune commanded by the goddess Fortuna. There is a small, liminoid tradition in modern art that sought out chance as a means to escape the order of society, culture, and language—echoed in Luke Rinehart’s (1971) *The Dice Man*, who decides to let his every decision be ruled by the roll of a die, logically leading him into the outside of society (with lots of gratuitous sex, drugs, and violence on the way, as befits a 1970s “cult classic”). We find remnants of this tradition in Dennis Crowley’s...
vision for foursquare: collecting and analyzing behavioral and social graph data “to generate more of those serendipitous encounters” (Crowley in Newton 2011) that brighten our daily routines in traversing a big city—an automated dérive that seems to miss the point that “reliable pleasant surprises” are as oxymoronic as “mandatory play.” Urban “things to do, places to shop” raffles like foursquare—useful and enjoyable as they are—only add cushioning to our cocoons. They do not expose us to our own thrownness, as games of chance sometimes do (Malaby 2012). Compared with Greek tragedy, we seem to have lost our taste for facing suffering and fatefulness—for seeing them not as bugs but as inherent features of our lives that demand and teach courage, compassion, humility, and wisdom.

And games and play themselves? What happens to them in a gameful world? If they become fully ubiquitous and mundane, if they no longer demarcate something “magic” anymore, will they disappear? Will their increasing instrumentalization kill their very soul? Such anxieties, understandable as they are, presumably result from our attachment to that brief pocket in time and space we call modernity: where play and games were permissible for children in their healthy development, artists in their creative pursuit, and adults as leisure—but nothing more. These, after all, are the modernist rhetorics of play (Sutton-Smith 1997). We perceive artistic and countercultural play in public, serious and pervasive games, or gamification as figures of provocation, newness, alterity, or profanation only against this background. The rise of a gameful world reminds us that this modern state of affairs is itself a temporary formation and practical accomplishment: to expect and demand that games have no practical consequence or instrumental function; to design games such that the risk of serious bodily and social consequence is minimized and interpretive and experiential openness maximized. Change these practices, and over time you change the background of our shared expectations, concepts, norms, and designs, our social and material institutionalizations. These new forms do not pervert an eternal “heart of gameness”; they transform what games “are” to us, today, as members of a culture.

On a practical level, we as individuals can attentively track only so many levels of meaning at any given moment and thus partake in only so many games at any time. Games as designed artifacts are already used every day in ways the users themselves would not call gaming or playing—gold farming, usability testing, and the like. Games as artifacts and gaming as activity do not necessarily coincide; today’s diffusion of game design beyond gaming encounters makes this theoretical possibility an everyday reality.

Play and games have always already been interwoven with and cultivated by society. The pocketing away of games and play into the fringes of childhood, art, and leisure—which allowed transgressions for their very marginality—has been their primary social place in modernity. That changes now. Their ubiquity and pervasiveness will strip games and play of some of their current enchantment, momentum, and cachet—that’s the logic of fashion. Gamers will revolt against this “Eternal September” (Grossman 1998) of massive outer influx into the places and practices they feel “belong to them” and retreat into new, “hardcore” places and practices, anxiously guarding cultural symbols of “true” identity and belonging—that’s the logic of subculture. The instrumentalization of games and play will engender alienation and professional deformation, and people will reassert their autonomy and playfulness in gaming the system and in seeking out new, yet unknown spaces and
forms of nonfunctionalized restoration and resistance that will then be functionalized again—that’s the logic of instrumentalization.

History tells us that these shifts will not dissolve games or play, only change their local meanings and forms. As long as we are warm-blooded bodies living and dying on Earth, the exigencies of survival will not disappear, and neither will the un-necessary, the in-efficient, the “just so” and “just because,” the occasions of pure waste, the voluntary attempts to overcome unnecessary obstacles as that which lifts us, however fleetingly, from the given bounds of our mortal fate into the chosen bounds of culture. “And law only / can give us freedom.”

Notes

1. But very much in the footsteps of Walz and Coulton’s (2011) pioneering mapping attempt and Walz’s (2010) historical analysis of the “routinization trajectories” of games. I thank my coeditor Steffen P. Walz for the countless shared discussions that deeply informed every line of this chapter.


8. And if the term needed any more legitimacy, in April that year technology consultancy Gartner (2011a) announced its “strategic planning assumption” that more than half of all organizations with innovation processes will gamify those by 2015 and that more than 70 percent of Global 2000 companies will have at least one gamified application by 2014. Gartner then officially placed gamification on its “hype cycle” curve of emerging technologies in
August 2011 (Gartner 2011b), only to announce one year later another strategic planning assumption that by 2014, 80 percent of gamified applications will fail due to poor design (Gartner 2012)—thus providing ample material for research on the manufacture of self-fulfilling prophecies.

9. Who was in turn informed by Yee (2001).


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