Celebrities: From Teachers to Friends

A Test of Two Hypotheses on the Adaptiveness of Celebrity Gossip

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Abstract In this paper we present two compatible hypotheses to explain interest in celebrity gossip. The Learning Hypothesis explains interest in celebrity gossip as a by-product of an evolved mechanism useful for acquiring fitness-relevant survival information. The Parasocial Hypothesis sees celebrity gossip as a diversion of this mechanism, which leads individuals to misperceive celebrities as people who are part of their social network. Using two preliminary studies, we tested our predictions. In a survey with 838 respondents and in-depth interviews with 103 individuals, we investigated how interest in celebrity gossip was related to several dimensions of the participants' social lives. In support of the Learning Hypothesis, age proved to be a strong predictor of interest in celebrities. In partial support of the Parasocial Hypothesis, media exposure, but not social isolation, was a strong predictor of interest in celebrities. The preliminary results support both theories, indicate that across our life span celebrities move from being teachers to being friends, and open up a list of future research opportunities.

 $\textbf{Keywords} \ \ Evolutionary \ approaches \cdot Celebrity \ gossip \cdot Social \ learning \cdot Parasocial \ relationships$

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Gossip is also ver a property of the co The same informati Consider a society inappropriate. In this that controls and pu where wearing pants not be considered as curiosity (Taylor 19 and we would restric "New" does not nee but only that the inf Information that has credibility of the information can refl people would act in pattern (self-deviance displaying normpants would be exhib wore pants today?" Western societies w

Thus, our general definition of gossip is: New and/or deviant information the traits/behaviors of others where the sender has true/false knowledge abogossip content.

Strategy Learning Gossip and Reputation Gossip

As suggested above, this definition can also be divided into smaller sub-defir For example, De Backer (2005) distinguishes between strategy learning (SLG) and reputation gossip (RG). Behavioral information can sometin interesting no matter who it concerns, but the behavioral information may b even more interesting if it is linked to a specific gossipee. When the gossip or information relevant to the reputation of an individual, the gossip is labele (Bromley 1993). Replacing the gossipee with another gossipee may change the of RG. For example "My brother is having an affair" is not the same as "My fa having an affair." Sometimes, however, behavioral information can be va regardless of the identity of the gossipee, in which case it would be SLG ! "My brother got killed by a shark when he went swimming with dolphins" tra the warning message that if you swim with dolphins, you risk getting killer shark. This fitness-relevant strategy information is preserved when we repla gossipee with "my father." The adaptive value of SLG lies in the fact that rec can vicariously learn from the successes and failures of others. As others Bandura 1977; Carroll 1999, 2002; Pinker 1995; Scalise Sugiyama 1996, Williams 1966) have already argued, relying solely on one's own experien learn about adaptive problems the environment confronts us with can be extr costly. By attending to information about the experiences of others, these cost be minimized. Baumeister et al. (2004) have remarked that the value of S independent of the exact identity of the gossipee. Of course, some identity of can be of value, such as the age and sex of the gossipee. Erikson (1959, 198 proposed that we are faced with different problems across our life spar problems younger people face, such as ego development or finding love, are t same as problems older individuals face, such as problems of care and despair. men and women or younger and older individuals sometimes face different ad problems, and SLG relevant for a 12-year-old girl is not necessarily relevant 60-year-old man as well.

According to Baumeister et al. (2004), SLG that concerns the exchar information about social norms helps individuals learn how to behave acceptable fashion within their social group. We agree with them but so differentiating between social, mating, and survival SLG, each of which was so by different selection pressures. Social SLG refers to the kind of gossip that to individuals about social norms. Mating SLG concerns fitness-relevant inform that teaches receivers how to deal with problems of attracting and guarding and also includes gossip about parental skills; survival SLG transmits inform about life/death strategies: what is a safe place to live, what is safe to eat, a forth. Whereas SLG is concerned with general information about ways to come's life, RG focuses specifically on the reputations of gossipers and gossipee adaptive value of this kind of information rests on the fact that reputation

based on the intimate relation between the gossipers. Since this trust-based gossipers' relationship is lacking for celebrity gossip, which is dispensed through media channels, this form of gossip is less reliable than interpersonal gossip. Mass-mediated celebrity gossip has a reliability problem and as an act leans more toward being rumor.

There are other differences as well. For example, in classic interpersonal gossip, SLG can easily exist without RG being present in the same information. "Mister X was killed by a shark when swimming with dolphins," for example, is pure behavioral information. Replacing Mister X with a celebrity, such as Paris Hilton, changes the information: it gets an extra RG value for those who know (or know of) Paris Hilton. Because most celebrities are by definition well known, extra reputation information is most often present in celebrity gossip. Celebrity gossip is either pure RG or a combination of SLG and RG, but hardly ever solely SLG.

Although many studies have been done on celebrity worship in general (for an overview, see McCutcheon et al. 2002), only a few have focused on an explanation for why we crave gossip about celebrities, and these so far have relied exclusively on a proximate level of explanation (Bird 1992; Hermes 1995). To understand interest in celebrity gossip, we put forward two explanations. One focuses on the presence of SLG and sees celebrity gossip as an adaptive strategy, while the other focuses on the presence of RG and sees celebrity gossip as a recent by-product of interpersonal gossip, without a clear adaptive outcome.

The Adaptive Value of Gossip

Our interest in celebrity gossip can be explained by two different, but complementary hypotheses: the learning hypothesis and the parasocial hypothesis.

The Learning Hypothesis

The learning hypothesis says that celebrity gossip occurs because it teaches us about fitness-relevant strategies. The learning hypothesis focuses on SLG, transmitted through the media, about celebrities as gossipees. Celebrity gossip is a fast and cost-effective way to fill in our knowledge gaps about strategies important to succeed in daily life. The learning hypothesis treats celebrities as "teachers" in our mass-mediated societies. Although the mass media audience may have the feeling that they know these stars, actual encounters with these individuals are (virtually) nonexistent, and in this sense celebrities are strangers and become valuable as gossipees only because celebrities or other subjects of social-learning gossip carry fitness-relevant strategy information.

Celebrities, however, have an advantage over complete strangers as subjects of SLG. Learning mechanisms are shaped by natural selection, and individuals are selective in their copying behavior (Richerson and Boyd 1992). According to Henrich and Gil-White (2001:176), we are most likely to copy higher-status others. It has been argued (Barkow 1976, 1989; Boyd and Richerson 1985; Henrich and Gil-White 2001; Henrich et al. 2001) that mimicking the behavior of higher-status people is an adaptive strategy that might lead to an increase in one's own status. Springer

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these gossip stories transmit mating SLG that teaches the media audience how with problems of break-ups. But most consumers are interested in these stori because they are about Jennifer Aniston, Brad Pitt, or Angelina Jolie. People foll lives of these celebrities, and some even get emotional when hearing about the br of celebrity couples. The reason for this is that some individuals may establish a l bond with celebrities. As Caughey (1984:33) says: "people characterize unmet figures as if they were intimately involved with them, and in a sense they Barkow (1989, 1992) added to this an ultimate explanation. He believes that ce gossip is a recent by-product of interpersonal gossip. Our modern minds a adapted to recently emerged environments, such as the media environmen modern, mass-mediated environment mismatches with the environment of evo ary adaptedness (EEA), in which our minds were shaped by natural sel-Specifically, photographical/audiovisual stimuli are too recent a phenomenon Stone-Age minds to be adapted to. When we see an image of a media chara celebrity), our brain processes this information as an encounter with a real per this happens regularly, as is the case with celebrities who are always in the nev brain starts accumulating these encounters and makes us (falsely) believe that people are part of our social networks: "We see them in our bedrooms, we her voices when we dine: If this hypothesis is correct, how are we not to perceive the our kin, our friends, or even our rivals? As a result, we automatically information about their physical health, about changes in their relative standin above all about their sexual relationships" (Barkow 1992:629-630).

One peculiar thing about the interactions of ordinary individuals with cele is that celebrities reveal their private lives to the audience (or have them re involuntarily), and this audience responds emotionally toward the celel However, the audience does not share their private lives with celebrities celebrities do not show strong emotions toward their audience. Interactions in reciprocity is lacking are called *parasocial* interactions (Horton and Wohl Rubin et al. 1985; Turner 2004). Celebrities are parasocial, or one-way, memt our social networks. Aniston, Pitt, and Jolie are one-way friends, one-way lone-way rivals to the individuals who encounter these stars in the media on a r basis and "believe" them to be part of their social network. This explains why people want to learn about these specific celebrities, and why some w manipulate their reputations using RG.

As is the case for the exchange of RG about people who really are in our network, the exchange of RG about celebrities creates feelings of unity, celebrity gossip is used in an interpersonal setting (Benwell 2001; Riegel Individuals gossiping about celebrities feel connected to each other. In our m societies, the interpersonal bases of our daily gossip conversations may be f and feelings of unity with our neighbors are disappearing. This happens be gossip across the fence, maintaining the social bonds with the people surroundi does not occur in big cities where one hardly ever meets one's neighbors (1998a,b). In this context celebrity gossip can be of great value in creating fe of unity among estranged individuals. Social isolation and individualizatic become a common experience in many Western societies, leading to increelings of loneliness that influence one's self-perception (see work of Putnam

Methodology

An anonymous questionnaire was distributed to 1,000 Flemish (Belgian) respected to 100 graduate students from Ghent University. We use purposive sampling method to recruit participants. Each interviewer was respons for distributing 10 questionnaires during the 2003 two-week Christmas holi They were asked to use quotas to come to an equal male/female and age distributed All of our Belgian respondents volunteered to take part in this research, and were not rewarded for participation. From the returned questionnaires, 838 v completed and included in this study. Of these, 397 were filled out by men and by women. Ages ranged from 10 to 82 and did not differ between the sexes (u Independent Samples *t*-test for Equality of Means): $M_{\rm age} = 34.9 \pm 13.6$ years women, $M_{\rm age} = 34.2 \pm 15.9$ years for men ($t_{834} = -0.64$, p = 0.52).

All respondents were presented with 31 stories about media characters. They were presented only written information. Names and ages of all characters were mentioned in each story. To maximize opportunities to alternate sex and age of characters being gossiped about, we used two versions of the survey. Each ver contained the same exact stories, but we changed the characters being gossiabout. Each survey contained 42 characters (some stories involved two characters and in total we used 84 celebrity characters. These were all well-known Belgian international celebrities of different age groups. Sexes were equally represent 42 male and 42 female), and the histogram in Fig. 1 shows that there is a sloverrepresentation of characters between 20 and 30 years of age, and character between 50 and 65, and some overrepresentation of characters age 35–40. We te for normality of this distribution and concluded that the ages of the characters used followed a normal distribution (Kolmogorov–Smirnov p>0.1), ranging f age 18 to age 76, with an average of 35.81 (SD=10.64).

All stories were collected from very recent gossip magazines or the Internet, some of the stories were invented or changed a little to present "new" informat All stories contained SLG and RG information about one or two well-know celebrities. For all stories, we asked the respondents "How interested are you in story?" and they answered using a 7-point Likert scale, ranging from 1 ("not at at to 7 ("very much"). With this question we measured the respondents' interest in a separate celebrity gossip story. For each respondent we then averaged all of their separate scores and recoded this in a new variable: "celebrity gossip interest." variable ranged from 1 ("having no celebrity gossip interest") to 7 ("having" high celebrity gossip interest").

In the second part of the questionnaire we asked the respondents about t media use. To measure media exposure we made use of a list of variables that a indicate exposure to media in which news about celebrities is likely to be found. variables we used were "reading gossip magazines," "reading newspape "watching television series," "watching movies at home," "watching movie movie theaters," and "watching the news." The respondents had to indicate I often they engaged in each of these activities. Here we used 1–9 Likert scaranging from 1 ("never") to 9 ("very often, more than once a day").

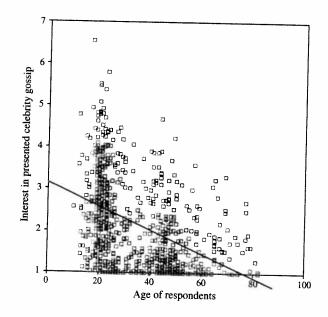
In the third and last series of questions we asked the respondents some nerse

Table 1 The effect of age, media exposure, and relocation on celebrity gossip interest

	Unstandardized coefficients		Standardized coefficients	t
	В	SE	β	
(Constant)	0.14	0.39		
Age of respondents	0.03	0	-0.47	5.5
Relocation	0.01	o O	0.07	-9.2
Media exposure variables		v	0.07	1.5
Gossip magazines	0.08	0.02	0.14	2.0
Biographies	0.05	0.03	0.06	3.9
Television series	0.08	0.02	0.19	1.8
Movie at home	0.04	0.02	0.19	5.3
Movie at theater	0	0.04	0.06	1.7
Newspapers	0.04	0.04	•	0.0
Television news	0.01	0.02	0.07	1.9
Control variables	0.01	0.03	0.01	0.3
Number of friends	0.01	0.01		
Real-life friendship satisfaction	0.01		-0.02	-0.7
Number of people living with		0.04	-0.03	-0.9
remote or people fiving with	0.02	0.02	-0.03	-0.8

Dependent variable: celebrity gossip interest (scoring from 1 to 7).

exposed to media in which celebrities are presented or talked about will also the strongest interest in celebrity gossip. However, the prediction of the para hypothesis that people who have recently moved to a new location will be interested in celebrity gossip was not supported, as the relocation variable was significant predictor of interest in celebrity gossip ($\beta_{\text{relocation}} = 0.07$, p Similarly, there was no significant relationship between interest in gossip and



Methodology

Nine professional interviewers interviewed 103 participants who were dist among 14 focus groups composed of people of similar ages. We recrui adolescents (younger than 18), 32 young adults (age 18–30), 23 adults (age 3 17 middle-aged adults (age 46–60), and 15 elderly people living in a home elderly (all more than 65 years old). For each age group we set up a focus group only male participants, only female participants, and, if possible, an extra gramixed-sex participants. The focus group size varied from 5 to 10 participant most groups reached an ideal average size of 6–8 participants (Morgan and Scans).

All three adolescent focus groups were interviewed at the same high school elderly respondents were interviewed at two homes for the elderly. To recother respondents we used snowball sampling, in combination with distributi in public places. We always insured that respondents interacted with an interthey did not know. To reduce bias and make the procedures as standardi possible, all interviewers used a semi-structured questionnaire with a fixed topics to discuss.

Results

The results of our second in-depth study indicate that younger people indeed biggest consumers of celebrity gossip. When asked how often they read or about celebrities, the adolescents gave responses like "Daily!" or "Real kidding, daily!" When asked whom they gossiped about, adolescents men names such as David Beckham, Orlando Bloom, Johnny Depp, Christina Ag Anna Kournikova, Roberto Carlos, Angelina Jolie, Cameron Diaz, Jennifer Brad Pitt, and so on. It was striking that none of them named any Belgian celel especially since all respondents were Belgian. When asked about the reason for they replied that Belgian stars are "stupid," they are "dull, foolish and canno They like American celebrities because these are known by larger audiences a therefore considered more prestigious. When asked why they gossiped celebrities, adolescents reported that they admire the glitter and glan international stars: "Yes, seriously, like on 'Cribs' [television program] they their houses, with pool and four cars ... [to which all other adolescent screaming, "Yes, yes!"]. But yeah, you can only dream of ever having this you?" (Male adolescent). Girls reported talking a lot about how celebrities dra they could copy their style: "You know what I like best? When they [magazines] judge dressing styles, like "Oh my god, stars wear this and tha other girls giggle and agree] (Female adolescent). Overall the results from adolescent interviewees indicate that they talk most about the behaviors of cele from which they can learn something. Celebrities are "teachers" from whon learn how to dress, how to impress, from whom they learn what is right and w wrong to do in a society. These answers indicate that for young adolescen learning hypothesis best explains their celebrity gossip interest. Some respon interviewed adolescents were also in line with the parasocial hypothesis

upstairs in your room, you are alone" (Elderly woman), and "It is not only [home for the elderly], remember this! Whenever you go outside, you are a yourself. If you are waiting for the bus for instance We live in a very eg society. Everyone for himself. I used to have many social contacts; with hundre people from everywhere" (Elderly man). Their real-life social contacts with about whom they once gossiped get replaced by celebrities as parasocial m acquaintances. Celebrities console, give friendship satisfaction, and interper gossip about those parasocial friends has the extra benefit of tightening up the real-life social contacts they still have.

Discussion

Our in-depth interviews with 103 Flemish Belgians indicate that:

- Younger people consume the most celebrity gossip, especially about internat stars. Adolescents seem to be attracted to it because they want to learn he achieve prestige.
- Young adults have the least interest in celebrity gossip. Their interest is in Belgian and international stars and stems more from a feeling of connected to the gossipees.
- Elderly people have an increased celebrity gossip interest compared younger adults, but they care primarily about Belgian celebrities. Their cele (gossip) interest clearly stems from parasocial bonds they establish with n characters, to fill up their real-life social network niches.

These results confirm that the learning hypothesis offers the best explanatio why younger individuals are attracted to celebrity gossip, as our participal frequently and specifically mentioned the opportunity to know how to dress an as motivations for paying attention to celebrity gossip. As people age, the lear function of celebrity gossip appears to become less important as the paras function of celebrity gossip appears to increase, especially among the elderly.

General Discussion

A number of previous researchers have proposed that following the live celebrities can provide useful information for living one's life as well as pro surrogate friendships and mutual acquaintances with others in highly mo individualistic societies (Bird 1992; Caughey 1984; Hermes 1995; Johnson 2 Levin and Kimmel 1977; Locke 1998a,b). In line with this previous thinking proposed two explanations for why so many people like celebrity gossip: learning hypothesis and the parasocial hypothesis. The first explains the intere all in strategy learning gossip about celebrities, because we can vicariously lear enhance our fitness from the trials and errors of others. This hypothesis predicting interest in celebrity gossip from less-experienced individuals. The parasocial hypothesis anticipates additional interest in reputation gossip about celebrities those who establish parasocial bonds with celebrities. This hypothesis predicts to

family member/other person in the past week?" and "How many times did a family member/other person visit you in the past week?" Such questions are a easier to respond to, and they might provide a better indication of the qua social life.

Finally, in this study we did not focus on other factors that would be interes incorporate in future studies. For instance, we did not focus on sex differences research, but sex differences in celebrity gossip interest have been studied? Some (Bird 1992; Hermes 1995; Hess and Hagen 2006) have argued that v have a greater interest in celebrities, while others have argued (Levin and 1985; McCutcheon et al. 2002) that men's celebrity gossip interest exceeds women. Bird (1992) and Hermes (1995) interviewed readers of gossip mag designed for women and found that men's main motivation was to learn celebrities and that women are more interested in establishing parasocial bond celebrities. However, the surface of this potentially fruitful line of research barely been scratched.

Also, as has been suggested by Kanazawa (2004), the interest in celebrity as a function of establishing one-way social bonds with these individual explained by our parasocial hypothesis, might be dependent on *general intelli*. It would be interesting for future research to test whether general intellicorrelates with celebrity gossip interest, and whether it correlates most strong those individuals whose motivation to consume celebrity gossip is driven by a to create one-way relationships with celebrities.

It might be interesting to investigate certain personality traits further context of celebrity-gossip-interest research. Studies of the spread of interpe gossip have shown that anxiety plays an important role in the sharing of g Anthony's (1973) study showed that more-anxious people report increased in in gossip, and Rosnow and Fine (1976) have added to this that anxious people more eager to spread gossip around as well. If celebrity gossip serves the functions as interpersonal gossip, similar effects might be expected. Also personality factors, such as extroversion versus introversion, can be expect influence celebrity gossip interest. Overall it would be useful for future reseat link celebrity gossip interest to some personality measurement scales such as the Five, or scales that measure anxiety levels.

As a last suggestion for future studies, we would like to mention the parasocial hypothesis predicts changes in celebrity gossip interest for women at their menstrual cycle. If it is true that individuals are attracted to celebrity a because they regard these people as one-way members of their social network, be assumed that both men's and women's celebrity gossip interest is driven by desires for potential mates. Menstrual cycle studies have shown that women's a desire increases when they reach peak fertility during their cycle (Regan 1996 that women engage more in social activities during their high fertility a (Grammer et al. 1997). In line with these studies, women can be expected to shi increased interest in celebrity gossip, as a means of meeting (one-way) pot mates during the most fertile point in their menstrual cycles.

In general we conclude that this field of research has been highly neglected for those whose interests lie primarily with celebrity gossin the res

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