

Suggestibility, absorption, and dissociation An integrative model of hypnosis

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ADVANCES IN THEORY, RESEARCH, AND APPLICATION

EDITED BY JOHN F. SCHUMAKER

SUGGESTIBILITY, ABSORPTION, AND DISSOCIATION: An Integrative Model of Hypnosis Etzel Cardeña and David Spiegel

"They'll take suggestion as a cat laps milk." —Antonio in *The Tempest* by Shakespeare In *The Tempest*, Shakespeare describes the ploys of Prospero to frighten his enemies through his "high charms." He leads them to distraction, enhances their suggestibility and, lastly, gains insight into the workings of their souls. Prospero has been described as a prototypical Renaissance therapist who works on his victims' imagipation (and attentional focus) to achieve therapeutic goals (Schleiner, nation (and attention, and increased suggestibility were not develatention, imagination, and increased suggestibility were not developed until the nineteenth century, particularly in relation to the budding literature on the phenomena and processes that we now call

logically explained as enhanced suggestibility or, more currently, as a multidimensional occurrence that includes enhanced suggestibility tic susceptibility are almost entirely based on the ability to follow a hypnotist's suggestions to distort perceptions and engage in specific the creators of the widely used Stanford scales as being insensitive to the distinction between voluntary and nonvoluntary compliance with a suggestion (Weitzenhoffer, 1980). In theory, hypnosis has been tautomotor actions. This approach has recently been criticized by one of as one of its core components (Gheorghiu, 1989a). Our approach in this paper is to discuss enhanced suggestibility as one of the three As Gheorghiu (1989a) has so aptly summarized, the fates of hypnosis of their relationship remains unclear. In practice, the scales of hypnomain phenomenal components of hypnosis, the other two being aband suggestibility have been very closely linked, although an account sorption and dissociation. We propose that the usual circularity of the "hypnosis."

theoretical discussions on hypnosis and enhanced suggestibility can be avoided by resorting to the more basic processes of attention deployment and processing of information. We will review current findings and related concepts on the nature of "ordinary" conscious experience and how it changes during a typical hypnotic event. We will propose that changes in cognitive processing during hypnosis facilitate the influence of suggestive communications through a diminution of alternative and self-reflective ideation.

Ordinary conscious experience

At any point, we receive information from at least three different and constant sources: the physical and social surroundings, the stimuli generated endogenously by the body, and the vast network of related associations and stimuli generated by the brain/mind. The idea that conscious experience is a filtered version of a much larger number of processes occurring at any one point has a longstanding history in psychology, certainly including the models of unconscious and dissociative processes espoused, respectively, by Freud and Janet. Nonetheless, and perhaps because of a misunderstanding of James's notion of the continuity of the stream of thought, it has frequently been assumed that conscious experience has greater thematic continuity than it actually does.

The account of our ongoing conscious experience as a smooth and thematically congruent process was dealt a devastating blow by Nietzsche at the end of last century. Since then, this notion has been challenged by fiction writers such as James Joyce and Virginia Woolf. In their writings, the ordinary "stream" of awareness is but a collection of brief, ever-changing associations whose claim to continuity, rationality, and "reality orientation" is tenuous. More recent empirical work has confirmed that our account of ordinary experience as possessing thematic continuity and rationality is a false reconstruction rather than an accurate portrayal of the ongoing stream of thought. Further, the capacity to suppress unbidden mentation and maintain a continuous reflective stance is profoundly limited (Uleman & Bargh, 1989), as every meditation practitioner knows.

In a systematic study of thought sampling with University of Minnesota students, Klinger (1978) found that their thoughts tended to be very brief (median of about 5 seconds). These thoughts were commonly related to the immediate situation, including periodic evaluation of goal attainment, and were "reality-oriented." But there was also a substantive proportion of thoughts that included some strange-

ness and distortion (about 1/5 of the samples). In a series of experiments using signal detection and other paradigms, Singer and collaborators (Singer, 1988) reported that about 50% of their respondents' mentation was unrelated to the specific task in which they were involved. It was also found that, at least in the case of adolescents, a high proportion of their unrelated mentation dealt with unresolved conflictual issues.

urgent issues. Further, the possible impact of a suggestion would ordinary circumstances, a given "primary" suggestion (see below) of competition from external sources of stimulation is reduced in rences other than hypnosis is not the topic of this paper, it is significant a suggestion as the hypnotic context. Although suggestibility in occursition in the absence of logically adequate grounds for its acceptance, might become but one of the number of ever-changing thoughts and comparison with the ordinary mode of consciousness (Greenberg and Safran, 1987). In all of these procedures, the amount strong emotional expression after pharmacologically induced arousal nature of ordinary processing would not be as conducive to following jointed, competitive, stimulus-loaded, and intermittently reflective Rather, we are proposing that, other things being equal, the disas McDougall (1908; in Gheorghiu, 1989b, p. 104) would phrase it. result "in the acceptance with conviction of the communicated propoprobably be intermittently monitored and reflected upon by the images and, at that, one that might be in competition with more tal stimulation (Barabasz, 1989), and an exhaustion period following light sleep and drowsiness (Budzynski, 1986), restricted environmenthat enhanced suggestibility has been reported in connection with thinker. This is not to say that the intended suggestion might not Extrapolating from this body of literature, we propose that, under

Hypnotic processes and suggestibility

Hypnosis and enhanced suggestibility

Suggestion and suggestibility are complex and multilayered concepts with a long history that is only partially related to hypnosis (Gheorghiu, 1989a). In this paper, we are exclusively concerned with a theoretical account of enhanced suggestibility within the hypnotic context. In a very influential, although not uncontroversial distinction, Eysenck and Furneaux proposed in 1945 (see Eysenck, 1989) that there were two main types of suggestibility: primary (involving ideomotor tasks and closely correlated with hypnotizability) and second-

ary (involving indirect sensory procedures and not correlated with hypnotizability). Gheorghiu (1971, 1989a) has clarified this distinction by declaring that "primary" suggestibility involves direct, overt suggestions, whereas "secondary" suggestibility involves indirect, concealed suggestions.

is a personality trait that is rather impervious to training procedures itself." Arguably, the ability to experience suggestion as nonvoluntary, reported that their response had been experienced as "happening by some degree of non-voluntariness. Fully 32.2% of their participants a test item experienced the enactment of the suggestions as involving (Crouse & Kurtz, 1984). which is highly correlated with "objective" indices of hypnotizability, number of participants (approximately 80%: Table 2, p. 341) passing C). Bowers, Laurence, and Hart (1988) also found that a substantial volitionally and the Stanford Hypnotic Susceptibility Scale (Form criterion of behavioral responsiveness to suggestion experienced nonposition, Bowers (1982) has reported a high correlation between the voluntary effort to follow the instructions. In agreement with this compliance with the suggestions. This is contrasted with a deliberate, tion procedures as involving only an enhancement of nonvoluntary further characterized the increase in suggestibility following induc-Barber & Glass, 1962; Hilgard & Tart, 1966). Weitzenhoffer (1980) has duction increases direct suggestibility (Weitzenhoffer & Sjoberg 1961 (1980, p. 132), have been the experiments showing that hypnotic in-Less controversial, and in Weitzenhoffer's view "unquestionable"

usually very cooperative hypnotic virtuoso; reference to a homonyms test took place during a session with a go as deeply as possible into hypnosis, the following exchange in nomenology of self-assessed very deep hypnosis (Cardeña, 1988a) Alter a procedure minimizing any explicit suggestion other than to phenomenon can be found in a recent project investigating the phestates until the hypnotist would lower the level of depth by placing a contact with the hypnotist during self-assessed very deep hypnotic disappear in "deeper states of hypnosis." Consistent with this speculaa hypnotic state, which includes other basic phenomena. They further hand on the participant's shoulder. A more direct example of this tion, Hilgard (1986) reports that some of his respondents would lose speculated that enhanced suggestibility to some suggestions might However, this does not imply that suggestibility is synonymous with cedures is uncontroversial, as Hilgard and Tart (1966) pointed out A common increase in direct suggestibility following induction pro-

Hypnotist: I would like you to tell me the first word that comes to your mind. . . . "Arch."

therapist) (Shor, 1962, 1970). Hence, Shor pointed to the nonconscious

spects of cultural socialization (i.e., nonconscious involvement), per-

Participant: That's not a word.

H: "A-r-c-h." (Long pause during which the participant is silent.)

H: O.K., let me try another one. "Beat."

P. That's not important.

Rather than a deliberate attempt to resist a request to which the participant had previously acquiesced, the exchange shows that during very deep states the participant's experiences are very unusual. They seem to be spontaneous, out of the ordinary, and reflect a much participant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the items of the homparticipant just quoted stated with regards to the exchange stated with regards to the exchange stated with regards to the items of the homparticipant just quoted stated with regards to the ordinary, and reflect a much just quoted stat

The nature of hypnosis

of the hypnotic experience. It is also clear, for example, that the on individual factors (Pekala, 1989) and variations in level of depth prominence and characteristics of the imaginal experiences depend vividness and conviction of imaginal experiences are common aspects theoretically (e.g., Hilgard, 1986) and empirically (e.g., Bowers, 1982) lows a hypnotic procedure. Furthermore, it has been well established ation of hypnosis, we will consider the factors that—theoretically or that, in addition to perceived nonvoluntary actions, an increase in the e) archaic involvement (the "transferential" relationship toward the empirically—have been associated with the hypnotic experience. (Cardeña, 1988a). In agreement with a multidimensional considerhypnosis that he originally proposed are: a) trance (the fading of the te phenomenon of hypnotic experience. The three main factors of As mentioned, an increase in primary suggestibility commonly folto ongoing contents of consciousness); b) nonconscious involvement (the nonconscious fulfilling of a role as a hypnotized participant); and Shor considered suggestibility to be a common but not characterisgeneralized reality orientation," which gives context and perspective

sonal psychodynamics (i.e., archaic involvement), and cognitive (i.e., trance) elements of a hypnotic occurrence.

Kihlstrom, et al. (1989) recently conducted a factorial analysis of those three factors, plus five other "dimensional variables" (drowsiness, relaxation, vividness of imagery, absorption, and access to the unconscious) that Shor (1979) later developed. They demonstrated that 6 out of the 8 scales loaded in a general factor similar to the absorption construct. The two scales loading poorly with this factor were archaic involvement and relaxation. It is not surprising that archaic involvement, which deals with transferential-laden patterns of response, would be independent from more purely cognitive processes. Certainly the perceived relationship with the hypnotist is basic to the person's trust (or lack of it) to go under hypnosis, but it can be considered more of a requirement to engage in an alternate mode of awareness, rather than an integral part of it.

an associated neglect of much of the usual competing environmental narrowing of attention on the same type of (e.g., somatic) events, with does share with other modalities is the prolonged and continuous cient, condition of hypnosis. What the usual relaxation induction laxation is a culturally incidental, rather than necessary and suffifully in imaginal experiences while maintaining an active body. Reslightly longer in achieving those states than while relaxed (Cardena, while engaged in pedaling an ergometer, even though they may take 1984). Lastly, hypnotic virtuosos are able to achieve very deep states induction can enhance suggestibility (Banyai & Hilgard, 1976; Malott, ment verbalizations can induce trance experiences (Ludwig & Lyle there is scant but consistent literature showing that tension enhancewith reported hypnotic experiences (Cardena, 1988b, 1989). Also, 1988a). This is probably because of the greater difficulty to engage possession and shamanic events, which bears a close correspondence development is the cross-cultural literature on the phenomenology of 1964), and that strenuous physical activity coupled with a hypnotic of Mesmer's method, but rather a later development by his disciple, cross-cultural, and experimental evidence. Historically, the associathe Marquis de Puysegur. Congruent with this far from inevitable tion between hypnotic-like occurrences and relaxation was not a part against Edmonston's position are very strong and involve historical, that relaxation is a defining component of hypnosis. The arguments merits a lengthier comment, given Edmonston's (1989) declaration The finding concerning the factorial independence of relaxation

In addition to the theoretically derived factors of Shor, a number of factorial studies give support to at least three common dimensions

of a hypnotic experience: a) lack of reflective awareness, b) a sense of compulsion and enhanced suggestibility, and c) unusual phenomenal occurrences, including effortless experiencing and increase in imagery, changes in body image and somatic sensations, and others (Evans, 1963; Ås & Ostvold, 1968; Field & Palmer, 1969; see also Cardeña, 1988a; Bowers, Laurence, & Hart, 1988). The first factor is similar to the construct of absorption: the second factor directly addresses the findings of enhanced primary suggestibility. Although less overtly, theoretical construct underlying hypnotic experience (Hilgard, 1986; theoretical construct underlying hypnotic experience (Hilgard, 1986; spiegel, 1990) would be a constituent of the "classic suggestion" effect spiegel, 1990). We turn now to a consideration of the relationship the tween enhanced suggestibility, absorption, and dissociative probetween enhanced suggestibility.

Absorption and suggestibility

having episodes of single 'total' attention that fully engages one's experience mentioned above, absorption is characterized by focal, representational (i.e., perceptual, imaginative and ideational) recan be engaged by a relatively simple stimulus (e.g., a spot on the sources" (Tellegen & Atkinson, 1974). An absorption scale devised by maintains his/her attention in a certain type of event, which therefore communication, Fall 1987). What is important is that the individual narrow versus expansive object of attention (A. Tellegen, personal ceptualized along two dimensions: internal versus external focus, and ceiling) or a complex stimulus (e.g., a beautiful landscape). Along undivided attention to an event, either internal or external. Attention hypnotizability. In contrast with the usual broken stream of ordinary Tellegen has shown a consistent, albeit moderate, correlation with of different types of experiential events (e.g., constantly shifting attenthese lines, preliminary analyses suggest that absorption can be conalso implies that frequent changes from a merely conscious to a retion from perceptual to imaginal events, etc.). The reduced sampling achieves particular salience, rather than doing a frequent sampling The construct of absorption has been defined as "a disposition for lectively conscious stance will be less probable.

In contrast with the frequent appearance of unbidden thoughts and the conscious monitoring of goal acquisition, the absorbed individual becomes fully engaged in a self-initiated activity (e.g., artistic performance) or a passive one (e.g., watching an engaging movie). In the specific case of the hypnotized individual, O'Shaughnessy (1972) has

characterized his/her experience as being "necessarily and continuously unselfconsciously conscious of the hypnotizer, and intermittently conscious of his voice; but he is not conscious of the world.... His consciousness of these items in the world is a merely regional or non-connective consciousness." The person lacks (in the case of a deeply hypnotized individual), or has greatly diminished (in a less absorbing experience) meta-consciousness (i.e., the awareness of being aware).

The exclusive and continuous concentration on a type of event is incongruous with the actively maintained frame of reference and context that Shor (1959) called "generalized reality orientation." This is defined as a structured frame of reference in the background of attention which supports, interprets and gives meaning to all experiences" (p. 291). The similarity between Shor's concept and "absorption" is borne out not only conceptually, but also by a recent study showing a high correlation between an operationalization of Shor's concept and the absorption scale devised by Tellegen (Kihlstrom, et al., 1989).

unreflectively carried out. hypnotic suggestion, but it does imply that these plans are tacitly, sorbing, continuous experience. In Gheorghiu's terms (1989a), "the come part of a consciousness that is mostly occupied with an abdoes not contradict the notion of strategic, planned enactment of a conscious monitoring authority is bypassed" (p. 42). This discussion stead, this background information is not accessed and does not beexperience implies the unavailability of contextual information. Inthe more usual form of (fractured) experiencing. It is not that hypnotic and subjected to a perspectival, critical inquiry, as is the case with chair. What happens, rather, is that the behavior is not reflected on experiences) through conscious focusing of attention would lower the the general "unreflected on" reality orientation from affecting behavior as in the case, for example, of avoiding a negatively hallucinated probability of the "generalized reality orientation" becoming part of ing another context (e.g., one affecting internally generated imaginal as one of the main (unconscious) contexts that is in continuous compethe foreground of conscious awareness. This model does not preclude tition to access the "global workspace" (i.e., consciousness), Enhanc-Baars's model, the "generalized reality orientation" could be regarded processing and simultaneous sources of nonconscious information. In tional models (Spiegel, 1990). It posits multiple levels of cognitive model of cognitive processing that is congruent with current computaand external stimulation. Baars (1988) has proposed an influential not be considered a given. Rather, it is one of many sources of internal The maintenance of perspective and context in any situation should

in suggestibility after a hypnotic induction would be the natural outcome of the changes in relating to the information conveyed. In the ordinary modality of experiencing, a suggestion might be one of a number of events occupying the person's attentional resources. Because of the continuous flux in the contents of consciousness, the suggestion would not only be in competition with other sources of stimulation, but might also be the subject of reflective, critical analysis. In contrast, hypnosis fosters an absorbing, unself-conscious processing of information in which a suggestion might play a more predominant role in the mental life of the individual. Because of the diminished competition with other sources of stimulation, and because of the continuity of unreflective mentation that absorption implies, a suggestion during hypnosis would have greater salience and receive a more intense and enduring focus of attention.

of mental competition. Holding, as he did, that ideas were invitations to action, he wondered why his ideas about getting up and getting dressed on a cold morning did not prevent him from lying in bed for a long period. His answer was that, given the circumstances, every idea/image of getting up, lighting a fire, etc., was counterposed by strong competing ideas about the cold and discomfort associated with getting up. In a hypnotic context, the number of shifts in mental contents is greatly reduced, which may account for the common observation that hypnotized individuals commonly underestimate the amount of time spent in hypnosis (Gheorghiu, 1989a). Because fewer mental shifts occur during hypnosis than during waking, the hypnotized individual might therefore assume that, at least subjectively, fewer changes have occurred and, hence, less time has elapsed.

The effects of a diminished critical process on suggestibility is exemplified by the recent work by Malott, Bourg, and Crawford (1989). The authors found that, in contrast with a nonhypnotic condition, during hypnosis their respondents agreed more and gave fewer counterarguments to persuasive communication. In agreement with an interactionist approach, the authors also report that, during "waking" and hypnotic conditions, highly hypnotizable individuals were in greater agreement with the communication and produced more favorable thoughts than low hypnotizables.

Absorption in a hypnotic context occurs mostly through the interaction between the general cognitive disposition to become absorbed and a specific situation that purposefully seeks to engage the individual's concentration capacities. It is not particularly controversial that hypnotic techniques commonly involve the focusing and narrowing of attention. Thus, breadth and a shifting focus are exchanged for

continuity of attention and an ensuing intensity of the mental events receiving attention. The typical induction procedure usually proceeds by eliminating sources of stimulation (e.g., restricting sensorial stimulation) and directing the attentional resources to one or at most two foci of attention.

these processes even though they may no longer be adaptive. triggers, these individuals may automatically engage themselves in ate organismic response. Later on, given specific internal or external matically drawn by, and focused on, an event that demands immediindividuals exposed to a traumatic event have their attention autoresults might represent a "natural experiment" in which predisposed (Spiegel, Hunt, & Dondershine, 1988; Spiegel & Cardeña, 1990). These as post-traumatic stress disorder and multiple personality disorder sources of stimulation. A source of particular interest in recent years has been the very high hypnotizability of clinical populations, such lation that help focus and maintain attention on one or two specific practices (e.g., drumming, dancing) commonly involve forms of stimua "contentless" context that the organism is motivated to resolve (Baars, 1988). In addition to hypnotic forms of induction, indigenous tainty may confuse or overwhelm limited attentional resources onto Alternatively, induction techniques using confusion and uncer-

Consistent with this view, experimental work suggests that the central characteristics of a laboratory-induced traumatic event may be well retained in memory, to the detriment of specific and peripheral details (Christianson & Loftus, 1987; Loftus & Burns, 1982). It does not take a big speculative leap to propose that, during a traumatic event, the individual engages in a narrower and more focused attentional process, and become more absorbed in the event. This style of cognitive processing would also imply a diminished capacity to process in conscious awareness the context and "generalized reality orientation" of that event (Spiegel & Cardeña, 1990).

Dissociation and suggestibility

In his pioneering work, Janet anticipated much of the present argument by discussing the relationship between narrowing of attention and dissociation (van der Hart & Horst, 1989). The connections between dissociative processes and hypnotic phenomena in general have historical and theoretical underpinnings that are beyond the scope of this paper (Hilgard, 1986; Spiegel, 1990). The notion of dissociation has been used to describe seemingly autonomous psychological systems. These range from a simple "split off" idea with its associated affect, body state, etc. (what Janet called idée fixe), to experienced

alternate identities within the same individual (i.e., multiple personality disorder). We will concentrate our discussion on explaining why suggested and, at times, spontaneous actions are experienced during hypnosis as dissociated from the usual sense of self-control.

To start with, we should point out that the enactment of not fully deliberate acts is a constant occurrence in everyday life. As we engage in any activity, such as writing a paper, there is a constant variety of physical movements (including "classical" hypnosis behaviors such as arms rising and falling) as well as other events that happen without any deliberate planning or implementation by the actor. Of course, these actions are usually not regarded as impersonal except in rare modes of experiencing such as depersonalization. In the hypnotic context, however, changes in attentional processes bring about a diffect," implying an experience of involuntariness, can be accounted for by three factors: the lack of competition of the suggestion with other mental contents, its resulting salience, and the continuous focus of attention placed on it.

As explained above, a hypnotic suggestion gains its importance by the lack of shifts of attention and the lack of competing ideas and contexts. Another implication of the narrowing of attention and disregard of competing stimulation is that a suggestion will achieve particular salience in a person's ongoing experience (or remain as a powerful plan to be instantiated later, in the case of a posthypnotic suggestion). Due to its being paid more and more continuous attention, hypnosis is experienced differently than most other mental states, which are usually of a shifting and discontinuous nature.

elements. In hetero-hypnosis, the source of the stimulation (i.e., invitawith a hypnotic suggestion, we need only discuss three associated course, is that such behavior does not have to compete with as many self-referentiality that an overtly planned and implemented action by the hypnotist. Consequently, the act does not have the quality of other equally strong plans and ideas as is usually the case in ordinary alient nature than that of other behaviors. The reason for this, of rienced (correctly, we might add) as being of a more intense and ular action is more veridical than we ordinarily tend to think. The would have. In this sense, the experience of dissociation from a partiction to act) is not initiated by the individual himself/herself, but rather experience. behaviors and experience. This automaticity, however, might be expetion has some of the automaticity that is common to many of our individual did not initiate the action and its continued implementa-To explain the increased experience of involuntariness associated atic discussion beyond the scope of this paper. not exclusively or mainly dissociative in nature and deserve a systemexperiences during hypnosis (e.g., complex imaginal experiences) are reflectivity that we have outlined. Lastly, it should be stated that some focus and process, and of the diminution of consciousness shifts and but one that could be framed in terms of the changes in attentional sis (e.g., amnesia and analgesia) would require a separate discussion (Bowers, et al., 1988). Other putative dissociative processes in hypnomay come to experience it as having some associated involuntariness itself), by being asked to maintain it and pay attention to it he/she the action voluntarily (i.e., if the "invitation" is not strong enough by lids), and implicitly or explicitly requires the participant to retain events. In the hypnotic context, the hypnotist initiates an action (or his/her attention on that action. Even if the respondent has to initiate takes advantage of a naturally occurring behavior such as tired eyeattention to these events, being as we are drawn by a variety of other could be considered to be nonvoluntary. Ordinarily, we do not pay earlier, many of our acts and mental events in ordinary experiencing tolding implementation of a behavior, thought, etc. As mentioned ness is that the person is led to pay continuous attention to the un-The last element that helps to explain the experience of involuntari

Conclusion

both different from, but explainable in terms of, ordinary cognition. to the information conveyed. Hypnotic cognition can thus be seen as outcome of cognitive changes in the way that the individual relates voluntariness. Increased suggestibility can thus be seen as the natural notic suggestions entail greater salience, influence, and perceived intypes of mental occurrences (including self-reflective appraisal), hyphypnotist. And because of the diminished competition with other neglected in favor of the experiences and behaviors suggested by the contexts (including a critical function of the ongoing activities) are processes. Because of the nature of the hypnotic context, competing ity of conscious experience coupled with a diminution of self-reflective cognition commonly involves a greater moment-to-moment continuprocessing is characterized by constant shifts of contents, hypnotic changes in attentional continuity and focus are the bases on which hypnotic cognition is built. Whereas the ordinary form of conscious rences: suggestibility, absorption, and dissociation. We propose that three concepts that are commonly used to describe hypnotic occur-We have presented a theoretical model that seeks to integrate the

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