RUI (JULIET) 7HU and JOAN MEYERS 15100

several collative or structural properties of music (e.g.

were asked to access the travel agency's provision of

ied meaning, it is context dependent, obtaining meaning from the network of descriptive associations that a stimulus (e.e. music) may bring to mind (McMullen 1982; Meyer

various ad elements

Much research suggests that discerning and applying music's embodied versus (5)

meaning imparted by the low-salience music. Instead, they may base their product perceptions on peripheral cues associated with the verbal ad data because such data are more salient, accessible, and seemingly more diagnostic than the

the energetic versus sedate music should transfer to perceptions of the travel agency's dependable, hassle-free service.

 H_{1a} : When the ad message is delivered in a lecture format, high-

varies in energy level.

EXPERIMENT 1: OVERVIEW AND HYPOTHESES

Experiment 1 used a target radio advertisement for a travel agency and measured the intensity of recipients' processing using a need for cognition (NEC) scale. The verbal aid message varied in format, thus aftering the level of resources required to process it. It was delivered in either a lecture or a drama format, the former demanded fewer

their dependent measure. This measure assessed product berceptions and was selected strategically so that it possessed greater semantic overlap with the referential meaning of the solute masic execution to calm contemplation cross exerted traverty, but the solute execution possessed a less favorable embodied meaning than did the

other more energetic execution. This opposition was essential because it enabled us to discern which of the alternative music execution's two meanings recipients used and when.

On the basis of our theorizing, we anticipated a three-way interaction among NFC, ad message format, and ad background music on the critical perception measure that assessed the dependable, hassle-free service offered by the travel agency. When the ad message was delivered in a low-resource-demanding lecture format, we expected intensive processors to base their perceptions of dependable, hassle-free service on the background music's fairly taxing referential meaning. Because the sedate transities referential meaning (i.e., calm, contemplative activity) possessed greater semantic overlap with the notion of uependable, hassle-free service than did the energetic

ever, if low-NFC people discern and base their perceptions on the travel agency's embodied meaning, their perceptions of the travel agency's dependable, hassle-free service should be greater when the ad background features the moderately stimulating and hedonically more favorable energetic music than when it features the sedate music Nonetheless, we propose that low NFC people base their perceptions on peripherals executional features associated with the more salient ad message this is a view that fits with data showing

and message, thus, there are no treatment effects on their perceptions of the travel agency's dependable, hassle-free service. Rather, low-NFC people report more thoughts ground perputation executions, aspects on the anomessage than as might be properly.

We examined ad recipients' thoughts and recall for evidence of the role played by the music's referential and embodied meanings. We anticipated a three-way interaction among NFC, ad message format, and background music on recipients' thoughts and statements reported in their recall (hereinafter called "recall remarks") that reflected each of the referential concepts implied by the alternative background music executions (e.g., calm contemplation for sedate music and excited frivolity for energetic music). A small and uniform number of such responses should be produced both when people's NFC is low and when it is high, but the drama ad message places heavy demands on resources. However, treatment, effects should be awardent among high-NFC people who receive the low-resource-demanding lecture format. In this condition alone, ad recip-

ients should discern the background fillsic's referential

Figure 2
SUMMARY OF THE DETERMINANTS AND ASPECTS OF AD COMPONENTS USED IN FORMING PERCEPTIONS



Seffelt the indepolation of the State Above the Above the Second for the Second f

in a sedate way. To assess the two music executions' embodied and referential maximum, 40 pretest participants listened to and assessed either the energetic or the sedate version of the song. As we expected, their familiarity with the two song versions was relatively low (mean = 2.08 and 1.64 on a seven-point scale anchored by "not at all familiarity very familiar") and equivalent (p > .25). Furthermore, the purely hedonic embodied meaning of the more stimulating, energetic version elicited more positive feelings (i.e., more upbeat, cheerful, happy, and likable; \(\infty = .83; \) mean = 5.07)

between-subjects factorial design. All effects appear in Table 1, and treatment means appear in Table 2; degrees of freedom for particular treatment effects were 1 and 69.

Product perceptions. Respondents' perceptions of the travel agency's dependable, hassle-free service revealed the anticipated three-way interaction among NFC, ad message format, and background music (F = 7.42, p < .01). As Figure 3 illustrates, low-NFC participants were insensitive to either meaning implied by the ad background music, regardless of message format (F < 1). However, high-FFC

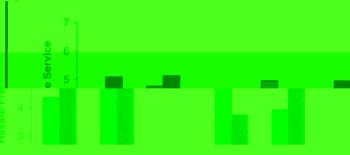
lous (\propto = .77; mean = 3.54 and 2.42; F(1, 46) = 13.60, p < .001), but they perceived the sedate rendition to be more calm, thoughtful, and reflective (\propto = .82; mean = 5.09 and 3.73; F(1, 46) = 18.39, $\hat{p} <$.001).

A final pretest ensured that the two ad music executions

perception-compatible referential meaning, than when it was energetic (F = 7.01, p < .01). However, when the advertisement was delivered in the more-resource-demanding-drama format, participants perceived such service as greater when the background music was engagation thus implying a

Algorithm — The second of the

ve			Sedate Music	3.90a .50b .80a .60a .50a 1.80a
et Positi	.48 .27 1.24 .24 .12 2.25 .02	l long	C	3.90% 50b 60% 50% 1.80%



Our data indicate that when respondents used non-intensive processing, they were insensitive to either meaning implied by the advertisement's muted background music, presumably because available resources were below the threshold level required to discern even the music's less-

excited frivolity when the advertisement featured the energetic rather than the sedate background music.

Embodied meaning and peripheral cue indicators. Respondents' net positive thoughts about the background music, which we expected to capture sensitivity to the music's embodied meaning, revealed no treatment effects

music in the target advertisement was performed in either a familiar (i.e., nonnovel) or a moderately novel style (Radocy and Boyle 1997), and we assessed perceptions of the advertised product, a bookstore, on two measures that tapped both background music versions' referential mean-

ment 1, we expected nonintensive processors to be insensitive to estime meaning of the muted background music and to display null effects. Conversely, intensive ad processors' perceptions should be sensitive to one of the two meanings of the ad music. They should base their perceptions of the bookstore's caring atmosphere on the music's referential meaning when the less-resource-demanding lecture format

should be insensitive to the referential meanings of the oackground music, inspiraying an equal and retainvery small number of such responses across treatments. However, intensive processors should be sensitive to the referential meanings of seath bookground music recention and thus produce more responses for these meanings, provided that two conditions are met: (1) the ad message is delivered in a large meaning of the sense of the sense.

no music. However, these differences are absent when the ad message is presented in a drama format and when respondents' processing is nonintensive.

We anticipated the same three-way interaction on net positive thoughts about the background music; we used this to tap respondents' sensitivity to the background music's simpler embodied meaning. Because people should use music's embodied meaning only when both their processing is intensive and the ad message is fairly demanding to process, treatment, differences, on, not a positive, thoughts about the music should emerge only under such conditions. Thus:

H₇. When the advertisement is delivered in a drama format, intensive processors produce more net positive thoughts

in the lecture format, even though the two ad formats were equally involving. Specifically, 18 respondents reported comparable levels of involvement with the drama and lecture formats (mean = 5.37 and 5.07; F < 1), but they found the drama format to be more effortful to process (mean = 3.11 and 1.81; F(1, 16) = 4.35, p < .05).

The background of the target ad versions featured Bach's hymn Jesu, Joy of Man's Desiring at a constant low volume, but the executions of this song varied. In one case, the song was performed in a relatively conventional classical style (i.e., Walter, Carlos, Switched, On, Bach, Columbia, MS 7194. Side 1. No. 6). In the second case, it was performed in a relatively novel soulful style on a single acoustic guitar (i.e., Leo Kottke, 12 String Guitar, Takoma Records, C-1024, Side 2, No. 2). In addition, we created a no-music control version of the advisor in the second string of the second sec

variable and analyzed it by means of an analysis of variance as a 2 (processing intensity: intensive or nonintensive) × 2 (ad message format: lecture or drama) × 3 (background music: classical, soulful, or no music) between-subjects factorial design. Treatment means appear in Table 3, and all effects appear in Table 4.

Product nementions Percentions of the hook

the relatively resource-demanding drama format (ps > .25) generated equal quantities of such responses regardless of their treatment condition. However, when intensive processors received the ad message in a lecture format that imposed few demands, they produced more thoughts and recall remarks that pertained to the referential meaning of

Angenery 1 2000, significant successive the second successive the

		Drama	Classical I			.73ac 1.14a	1.11ab 16b 8	Net	3.51**
	Intensive Processing		No Soulful Music Music				1.38ab 1.86ab .30ab .77a 8 11	Thoug Exe Asp Verba	1.17
	Inten	Lecture	Classical Music	5.59b	.00° .31b	3.48b 3.18b	.93a -,44b 9	Recall about Referential Meaning of Classical Music 7.01 ** 1.56 .61 .12 6.26**	4.59**
NT 2			I No Soutful Music		.50a 88ab	.33ab 87ab	1.63ab .06a	RIMENT 2 and Thoughts About al Referential of Meaning of cric Classical Music 1.80 6.12* 3.92* 1.11 2.19	
Table 3 TREATMENT MEANS FOR EXPERIM <mark>ENT 2</mark>	W Descering	Drama	Soutful Classical			316	1.19av 1.91ab 2 .22a –	Table 4 Table 4 Table 4	
TREATMENT M			Classical	Music 4.97a	3,35a 4. 1,00a	.84ab 1.34ab	1,54a .88ah 1,04ah 1,24a 2,12ah 2,34ah .36a40a02a	Table 4 F VALUES FOR ALL EFFECTS IN EXPERIMENT 2 Thoughts About Recall About Referential Referential Referential Referential Referential Atmosphere Original Decor Soulful Music Soulful Music CI 2.61 2.32 7.28** 2.89 5.6	
			Influos	Music \$.35a			lassical music 1.5 message 1.2 c 3.3	Caring Amosphere 3.40 2.61 5.64 4.44 .12	3.26* 1.84*



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The property of the second sec rance - However where the process the process conversion to the emission content to be excused by discretised and fire certal composed place above

relay a particular referential meaning, perhaps one that complements the product positioning, the verbal message

Gabrielsson, Alf and Erik Lindstrom (2001), "The Influence of Musical Structure on Emotional Expression," in Music and

of these issues are related to our proposed underlying saismi. For expendie, during resource demanding-

tions was too burdensome? Would nonintensive processors

Would the hedonic favorableness of our background music have been altered if ad recipients had been exposed to the advertisements repeatedly? Under what conditions does music serve as a central versus a peripheral cue? Were the meerings of the background music we used discorned du

(Spring), 35-47.

Social Psychology, 63 (August), 308–319. Hung, Kineta (2001), "Framing Meaning Perceptions with Music

The Case of reaser Aus, Journal of Auvernising, 30 (ran), 32 49. Mácinnis, Deboran J. and C. Whan Park (1991), "The Differential" Role of Characteristics of Music on High- and Low-Involvement Consumers' Processing of Ads," Journal of Consumer Research, 18 (September), 161-74.

ize to advertisements presented in pictorially rich (e.g., television, Web) contexts? Two possibilities seem plausible

ceptions, Rita Aiello and John A. Sloboda, eds. New York: Oxford University Press, 3-39.

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