

## Hobson, J. A., Lydic, R. & Baghdoyan, H. A. Evolving concepts of sleep cycle generation: From brain centers to neuronal populations 371

### Open Peer Commentary

<b>Antrobus, J.</b> Rapid eye movements and the cerebellum	400	<b>Mendelson, W. B.</b> The reciprocal-interaction model of sleep: A look at a vigorous ten-year-old	412
<b>Borbély, A. A.</b> Sleep homeostasis	401	<b>Monti, J. M.</b> Are cholinergic, noradrenergic, and serotonergic neurons sufficient for understanding REM sleep control?	413
<b>Cespuglio, R.</b> Relationships between pontogeniculooccipital waves and ocular movements	401	<b>Morgane, P. J.</b> When is a "center" not a "center"? When it's "anatomically distributed": Prospects for a "diffuse REM center" ("generator")	414
<b>Daan, S., Beersma, D. G. M. &amp; Dijk, D. J.</b> Sleep cycle or REM sleep generator?	402	<b>Mori, S. &amp; Ohta, Y.</b> Proposed model of postural atonia in a decerebrate cat	415
<b>Elazar, Z.</b> Reciprocal interactions in the brain stem, REM sleep, and the generation of generalized convulsions	403	<b>Normanton, J. R.</b> Vasotocin: Neurohumoral control of the reciprocal-interaction model?	416
<b>Fishbein, W. &amp; Bright, P. F.</b> Revising sleep cycle theory?	404	<b>Sakai, K.</b> On the significance of the revised reciprocal-interaction model	417
<b>Foote, S. L.</b> Sleep cycle generation: Turning on, turning off, and tuning out	405	<b>Scheibel, A. B.</b> Is there a choice in "Hobson's choice"?	418
<b>Freedman, R.</b> Sleep cycle generation: Testing the new hypotheses	406	<b>Shiromani, P. J. &amp; Gillin J. C.</b> The REM generator: Here, there, and everywhere?	419
<b>Greenberg, R.</b> Modeling sleep: We need all the perspectives we can get!	406	<b>Siegel, J. M. &amp; McGinty, D. J.</b> Location of the systems generating REM sleep: Lateral versus medial pons	420
<b>Haefely, W.</b> Wet physiology of REM sleep generation	407	<b>Steriade, M.</b> State control: Changing tools and language	421
<b>Henn, V.</b> The elusive sleep cycle generator	408	<b>Vanderwolf, C. H.</b> Ascending cholinergic and serotonergic control of the electrocorticogram: Do I see a ghost?	423
<b>Henriksen, S. J.</b> Doubt and certainty in the neurophysiology of state	408	<b>van Dongen, P. A. M.</b> Reciprocal interaction in sleep cycle control: Description, yes; explanation, no	424
<b>Jasper, H. H.</b> The biological purpose of sleep may make multiple distributed reciprocal systems meaningful	409	<b>Vertes, R. P.</b> A new role for FTG neurons?	425
<b>Jones, B. E.</b> The need for a new model of sleep cycle generation	409		
<b>Kawamura, H.</b> Back to the hypothalamus: A crucial road for sleep research	411	<b>Author's Response</b>	
<b>Kilduff, T. S. &amp; Guilleminault, C.</b> Reciprocal interaction revisited	411	<b>Hobson, J. A., Lydic, R. &amp; Baghdoyan, H. A.</b> When is a reflex not a reflex? The riddle of behavioral-state control	426
<b>Krnjević, K.</b> Transmitters and REM sleep	412		

## Spanos, Nicholas P. Hypnotic behavior: A social-psychological interpretation of amnesia, analgesia, and "trance logic" 449

### Open Peer Commentary

<b>Behrs, J. O.</b> The "special-process" controversy: What is at issue?	467	<b>Kirsch, I.</b> Role playing versus response expectancy as explanations of hypnotic behavior	475
<b>Bowers, K. S. &amp; Davidson, T. M.</b> On the importance of individual differences in hypnotic ability	468	<b>Naish, P. L. N.</b> Hypnosis: Towards a rational explanation of irrational behaviour	476
<b>Bowers, P. G.</b> Understanding reports of nonvolition	469	<b>Orne, M. T., Dinges, D. F. &amp; Orne, E. C.</b> Hypnotic experience: A cognitive social-psychological reality	477
<b>Brody, N.</b> Cognitively induced analgesia and semantic dissociation	470	<b>Perry, C. &amp; Laurence, J.-R.</b> Social and psychological influences on hypnotic behavior	478
<b>Edmonston, W. E., Jr.</b> Hypnosis and social suggestibility	470	<b>Rosenthal, R.</b> Nonsignificant relationships as scientific evidence	479
<b>Evans, F. J.</b> Hypnosis and behavioral compliance: Is the cup half-empty or half-full?	471	<b>Rosenthal, T. L.</b> Hypnotic phenomena: Who really sees the emperor's new clothes?	481
<b>Graham, K. R.</b> Explaining "virtuoso" hypnotic performance: Social psychology or experiential skill?	473	<b>Sabini, J. &amp; Kossman, D. A.</b> What grandma thinks about hypnosis	481
<b>Kihlstrom, J. F.</b> Strong inferences about hypnosis	474	<b>Saint Jean, R.</b> Hypnosis: Artichoke or onion?	482

Sheehan, P. W. Theories of hypnosis—useful or necessary paths to truth?	483	Weinstein, E. A. Attentional capacities have neurological basis	487
Spiegel, D. Painsaking reminders of forgotten trance logic	484	<b>Editorial commentary</b>	488
Turk, D. C. & Rudy, T. E. Hypnotic behavior dissected or . . . pulling the wings off of butterflies	485	<b>Author's Response</b>	
Underwood, G. Using simulations to disprove hypnotic amnesia? Forget it	485	Spanos, N. P. More on the social psychology of hypnotic responding	489
Wagstaff, G. F. State versus nonstate paradigms of hypnosis: A real or a false dichotomy?	486		
<b>Hoffman, Ralph E. Verbal hallucinations and language production processes in schizophrenia</b>			<b>503</b>
<b>Open Peer Commentary</b>			
Akins, K. A. & Dennett, D. C. Who may I say is calling?	517	Jaynes, J. Hearing voices and the bicameral mind	526
Allen, H. A three-component analysis of Hoffman's model of verbal hallucinations	518	Junginger, J. Distinctiveness, unintendedness, location, and nonself attribution of verbal hallucinations	527
Alpert, M. Language process and hallucination phenomenology	518	Lehnert, W. G. Lexical access and discourse planning: Bottom-up interference or top-down control troubles?	528
Bentall, R. P. & Slade, P. D. Verbal hallucinations, unintendedness, and the validity of the schizophrenia diagnosis	519	Marks, D. F. Intentionality and autonomy of verbal imagery in altered states of consciousness	529
Brand, M. Intended versus intentional action	520	Posey, T. B. Verbal hallucinations also occur in normals	530
Deese, J. Reality and control	521	Reed, G. F. When is an image hallucinatory?	530
Faber, R. The diversity of the schizophrenias	522	Rund, B. R. Verbal hallucinations and information processing	531
Flor-Henry, P. Auditory hallucinations, inner speech, and the dominant hemisphere	523	Schwartz, S. Hallucination, rationalization, and response set	532
Gjerde, P. F. Arousal and the disruption of language production processes in schizophrenia	524	Spanos, N. P. Hallucinations and contextually generated interpretations	533
Gordon, R. M. Teleology and agency in speech production	525	Zivin, G. Image or neural coding of inner speech and agency?	534
Harley, T. A. Speech errors and hallucinations in schizophrenia – no difference?	525	<b>Author's Response</b>	
Harrow, M., Marengo, J. T. & Ragin, A. Verbal hallucinations and speech disorganization in schizophrenia: A further look at the evidence	526	Hoffman, Ralph E. What can schizophrenic "voices" tell us?	535
<b>Continuing Commentary</b>			<b>549</b>
<i>On</i> Stabler, E. P., Jr. (1983) How are grammars represented? BBS 6:391–421.			549
Harvey, R. J. Language processing and computer programs	549	<b>Author's Response</b>	
		Stabler, E. P., Jr. Computational models of language processing	550
<i>On</i> Broadbent, D. E. (1984) The Maltese cross: A new simplistic model for memory. BBS 7:55–94.			552
Doyle, A. J. R. Putting the Maltese cross into context	552	<b>Author's Response</b>	
Jones, G. V. Organization of long-term and working memory stores	552	Broadbent, D. E. The computation of control	553
<i>On</i> Lamb, M. E., Thompson, R. A., Gardner, W. P., Charnov, E. L., and Estes, D. (1984) Security of infantile attachment as assessed in the "strange situation": Its study and biological interpretation. BBS 7:127–171.			555
Connell, J. P. The development and component processes of the attachment system: Some suggestions for their rediscovery	555	<b>Author's Response</b>	
Ford, M. E. Attachment as a motivational construct: I've seen these patterns before. . . .	556	Lamb, M. E., Thompson, R. A., Gardner W. P., and Charnov, E. L. Convergent approaches to understanding strange situation behavior	559
Van IJzendoorn, M. H. The cross-cultural validity of the strange situation from a Vygotskian perspective	558		
<i>On</i> Bickerton, D. The language bioprogram hypothesis. BBS 7:173–221.			561
Berwick, R. C. Grammar growth and parameter setting: Computation and creoles	562	<b>Author's Response</b>	
McCarthy, J. J. Bickerton's creole cooking: Where's the beef?	563	Bickerton, D. "Grammar growth"—what does it really mean?	564

<i>On Tulving E. (1984) Précis of Elements of episodic memory. BBS 7:223–268.</i>		566
<b>Crowder, R. G.</b> Remembering experiences and the experience of remembering	566	<b>Spear, N. E.</b> Conscious constraints on episodic memory
<b>Kinsbourne, M.</b> Systematizing cognitive psychology	567	571
<b>Lewis, R. S.</b> Variation on a theme: Are the elements of episodic memory dissociable?	567	<b>Author's Response</b>
<b>Shoben, E. J., and Ross, B. H.</b> The crucial role of dissociations	568	<b>Tulving, E.</b> Episodic and semantic memory: Where should we go from here?
<b>Šipoš, I., and Plichtová, J.</b> Dichotomy: Strict or fuzzy	570	573
 <i>On Sternberg, R. J. (1984) Toward a triarchic theory of human intelligence. BBS 7:269–315.</i>		 577
<b>Biela, A.</b> Toward a synthetic approach to intelligence	577	<b>Author's Response</b>
<b>Richardson, K.</b> Theory? Or tools for social selection?	578	<b>Sternberg, R. J.</b> Alternatives to the triarchic theory of intelligence
<b>Spitz, H. H.</b> Ghosts of the homunculus and of Sigmund Freud	580	581