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	*101	N	ANUSCRIPT REVIE	A BOARD INFO	IRMATION SI	IET .	•	
Į. NA	NUSCRIPT TITLE		S A POSITIVE RE	INFORCER FOR	R RATIS: E	FFECTS OF J	NEUSION D	OSE
<i>λ</i> .	Victoria de la Companya de la Compan		•	: '			•	:
A .U	THOR(S): Vict	or J. DeNoble	, Paul C. Mele	, and Franc	is J. Rya	ı		•:
₽R	OPOSED FOR PUB	LICATION [X]	WHERE/WHEN: WHERE/WHEN:	NATURE	•			
	UK TRES	\sim	1			·		
MA	NAGEMENT APPRO	VAL: SO	Lordon 110	. PAGES	NO. FIG	JRES <u>.</u>	NO. TABLE	\$.
\$1.20°		J	2000	Anorover				
	The r	ate and patte	rn of lever pre	ABSTRACT ssing wene s	tudied in	TEN: twelve rat	s during	1 • 10 • 10 • 10 • 10
1	nicotine.	Leven pressin	h responding re g was shown to	be establish	ed and mar	intained by	the	
\$	mg/kg/sessi	on for 10-20	gency. Followi sessions), sali	ne substitut	ion did no	ot result i	n overt	* * .
	signs of ph	ysiological d	ependence. Eff of fixed ratio	ects of 8.0,	16.0, 32	0, and 64.	0 pg/kg/	
1: 1:	infusion we	re determined	on response ra infusions first	te and nicot	ine intak	e. Under a	n FR I	•
	of nicotine	was decrease	d (64.0 - 8.0μ) ly related to t	g/kg/infusio	n). Nicot	ine intake		
1	was increas	ed from 1-6,	the number; of 1	even pnesses	increased	and the n	umber:	
ĺ	At ratio va	lues greater	session (32.0 than six, both	the number o	f lever pi	esses and	infusions	
	reinforcer	for nats, and	s show that nic that the reinf	orcing effec	t is relat	ively weak		
	co mpaned to	other intrav	enously deliven- work showing tha	ed reinflorce	ers. In ac	dition, th	e present	
\$	nicotine do	es not result	in a physiolog	ical depende	nce.	3		
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PAE/gbj - March 1982

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