

ATTEMPTS TO BLOCK THE LSD REACTION BY PRETREATMENT  
WITH BOL FOR TWO DAYS

46 97

These experiments were carried out because of the reports of Ginzel and Mayer-Gross that 2 day's pre-treatment with BOL completely blocked the LSD reaction and one-day's pretreatment with BOL attenuated it.

Because of shortage of BOL, only 8 subjects could be used. Six of these subjects had not had LSD before. Insofar as was possible, we attempted to reproduce the experiment of Ginzel and Mayer-Gross. The drug combinations used were: BOL placebo and LSD placebo; BOL and LSD; and BOL placebo plus LSD. Combination of BOL plus LSD placebo was not studied because of the shortage of material and because it was believed that the results would be essentially similar to those described under acute administration of BOL.

BOL was given orally. 1 mg. was given three times daily for two days prior to administration of LSD, and an additional 1 mg. was given two hours prior to LSD. Dose of LSD varied between 1-2 mcgm./kg. of bodyweight.

Measurements included threshold for kneejerk, pupillary size, resting systolic blood pressure, responses

A-341

EFFECTS OF ADMINISTERING 3.0 MG. OF  
BOL DAILY FOR 2 DAYS BEFORE LSD

MEASURE	DRUG		
	BOL + LSD	BOL PLACEBO + LSD	BOL PLACEBO + LSD PLACEBO
Patellar Reflex	1.07 $\pm$ 0.23	1.91 $\pm$ 0.3	0.06 $\pm$ 0.16
Pupillary Size	3.19 $\pm$ 0.45	3.88 $\pm$ 0.76	0.15 $\pm$ 0.29
Systolic Blood Pressure	1.90 $\pm$ 0.34	2.76 $\pm$ 0.27	0.41 $\pm$ 0.26
Number of Questions	13 $\pm$ 7.5	57 $\pm$ 35	1.3 $\pm$ 1.07
Clinical Grade	0.37 $\pm$ 0.16	0.9 $\pm$ 0.48	0 $\pm$ 0

1.0 mg. of BOL was given three times daily for 2 days prior to LSD and an additional dose given 2 hours prior to LSD.

Dosage of LSD varied from 1.0-2.0 mcg./kg. (ave. 1.4 mcg./kg).

Figures are means  $\pm$  standard errors on 8 subjects.

4-328