

admitted to a psychiatric hospital than the general population'. He bases this on the simple ratio of number of admissions to size of population, comparing Jehovah's Witnesses to the general population.

While interesting, the findings are questionable. Numerous other factors, not controlled for, could influence the results obtained. For example, one must consider whether Jehovah's Witnesses tend to live primarily in urban areas or have different age and socio-economic status demographic characteristics from the general population; any of these could affect the results of this study.

It is particularly important that research of social consequence should be carefully carried out. Experimenter-bias errors may seive the maintenance of social stereotypes. The tone of the article in this regard is a bit distressing: whether the founder of the Jehovah's Witnesses sect 'proved to be a man of doubtful integrity' is clearly a hypothesis that should be supported if proffered. For me, it served as a warning to scrutinize the methodology and results carefully.

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BROMIDE INTOXICATION

DEAR SIR,

Bromides were for many years used extensively as anticonvulsants and anxiolytics. Today they are rarely used. Bromide intoxication may lead to ataxia, dysarthria and nystagmus (Morgan and Weaver, 1969) and an acneiform skin rash; there may be irritability and emotional lability, a confusional state, and hallucinations (Levin, 1960). Granville-Grossman (1971) has well summarized the literature.

Recently a 49-year-old married woman was brought to this hospital as an emergency admission. For two weeks she had been giddy and for three days she had been in bed; her speech was indistinct, and she had difficulty holding cups and had been incontinent on one occasion. She was found to be disorientated for time and place, and for several days she was ataxic, dysarthric and dysphasic, with impaired attention and concentration. She had an acneiform rash on her back. At one period she was visually hallucinated. Her serum bromide level on admission was estimated and was found to be 528 mg per 100 ml. Urinary tests for barbiturate and amphetamine were negative.

During World War II she had become panicky and had read a book which recommended a mixture,

containing 10 g bromide per 200 ml, as a 'nerve tonic'. Her general practitioner had prescribed this for her, and she had taken it twice a day for over twenty years. There was no family or personal history of mental illness. Her mixture was discontinued and she was encouraged to drink a lot of water. Her serum bromide slowly fell and she was discharged after two months. No reason was found for the onset of her bromide intoxication to have occurred at this particular time.

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SPEECH IN SCHIZOPHRENIC PATIENTS

DEAR SIR,

We would like to make a few comments concerning the paper by Rutter, Wishner and Callaghan (*Journal*, June 1975, 126, 571). Their findings were at odds with those of Silverman (1972) in that they found higher Cloze scores for normal subjects rating texts mutilated at every fourth word compared with every fifth word. But their study was in no way a replication of Silverman's. In their experiment the total number of speech transcripts amounted to only four, each of 200 words; but in Silverman's study (1972) there were, in all, fourteen 200-word speech transcripts. With the very small number of samples used by Rutter *et al.* it is quite likely that their finding was due to chance. In fact their study was really the reverse of Silverman's in that they were testing the raters rather than the speakers.

A careful examination shows that their findings actually support many of those in Silverman's study in that:

(a) they found consistently lower Cloze scores for the 4th deletion pattern rather than the 5th with their two schizophrenic texts, both with schizophrenic and with normal raters.

(b) the gain in predictability from 4th to 5th deletion patterns was considerable for schizophrenic speech as against normal speech (as in Silverman's study, the interaction between texts and deletion pattern was very highly significant).