- Psychological predictors of hypertension in the Framingham Study. Is there tension in hypertension? *JAMA* 1993; **270**: 2439–43.
- **18** Somova LI, Connolly C, Diara K. Psychosocial predictors of hypertension in black and white Africans. *J Hypertens* **1995**; **13**: 193–9.
- 19 Davidson K, Jonas BS, Dixon KE, Markovitz JH. Do depression symptoms predict early hypertension incidence in young adults in the CARDIA study? *Arch Intern Med* 2000; 160: 1495–500.
- 20 Yan LL, Liu K, Matthews KA, Daviglus ML, Ferguson TF, Kiefe CI. Psychosocial factors and risk of hypertension: the Coronary Artery Risk Development in Young Adults (CARDIA) study. JAMA 2003; 290: 2138–48.
- 21 Levenstein S, Smith MW, Kaplan GA. Psychosocial predictors of hypertension in men and women. *Arch Intern Med* 2001; 161: 1341–6.
- 22 Paterniti S, Verdier-Taillefer MH, Geneste C, Bisserbe JC, Alpérovitch A. Low blood pressure and risk of depression in the elderly. A prospective community-based study. *Br J Psychiatry* 2000; **176**: 464–7.
- 23 Barrett-Connor E, Palinkas LA. Low blood pressure and depression in older men: a population based study. BMJ 1994; 308: 446–9.
- 24 Stroup-Benham CA, Markides KS, Black SA, Goodwin JS. Relationship between low blood pressure and depressive symptomatology in older people. J Am Geriatr Soc 2000; 48: 250–5.
- 25 Jorm AF. Association of hypotension with positive and negative affect and depressive symptoms in the elderly. Br J Psychiatry 2001; 178: 553–5.

- 26 Herva A, Räsänen P, Miettunen J, Timonen M, Läksy K, Veijola J, Laitinen J, Ruokonen A, Joukamaa M. Co-occurence of metabolic syndrome with depression and anxiety in young adults: the Northern Finland 1966 Birth Cohort Study. *Psychosom Med* 2006; 68: 213–6.
- 27 Lund-Larsen PG. Blood pressure measured with sphygmomanometer and with Dinamap under field conditions – a comparison. *Norsk Epidemiologi* 1997; 7: 235–41.
- 28 Ströhle A, Holsboer F. Stress responsive neurohormones in depression and anxiety. *Pharmacopsychiatry* 2003; 36 (suppl 3): s207–14.
- 29 Scalco AZ, Scalco MZ, Azul JB, Lotufo Neto F. Hypertension and depression. *Clinics* 2005; 60: 241–50.
- 30 Karl T, Herzog H. Behavioral profiling of NPY in aggression and neuropsychiatric diseases. *Peptides* 2007; 28: 326–33.
- 31 Carvajal C, Dumont Y, Quirion R. Neuropeptide Y: role in emotion and alcohol dependence. CNS Neurol Disord Drug Targets 2006; 5: 181–95.
- 32 Matsumura K, Tsuchihashi T, Fujii K, lida M. Neural regulation of blood pressure by leptin and the related peptides. *Regul Pept* 2003; 114: 79–86.
- 33 Pons J, Lee EW, Li L, Kitlinska J. Neuropeptide Y: multiple receptors and multiple roles in cardiovascular diseases. *Curr Opin Investig Drugs* 2004; 5: 957–62.
- 34 Kellogg DL. In vivo mechanisms of cutaneous vasodilation and vasoconstriction in humans during thermoregulatory challenges. J Appl Physiol 2006; 100: 1709–18.

Alcoholism in ancient Israel

George Stein

Psychiatry in the Old

Testament

When president Yeltsin failed to get off the plane at Shannon airport on his state visit to Ireland it was generally assumed that he was drunk. However, he was certainly not the first world statesman to be drunk. Thus Noah, the saviour of all humankind and all animal species from the flood, was similarly afflicted. 'Noah a man of the soil was the first to plant a vineyard. He drank some of the wine and became drunk and he lay uncovered in his tent' (Gen 19: 20–21). In the northern kingdom of Israel, king Elah, the son of king Basha, who only had a very short reign from 883 to 882 B.C.E. may have lost his job because of drinking: 'When [Elah] was at Tirzah drinking himself drunk in the house of Arza . . . Zimri came and struck him down and killed him in the 27th year of the reign of King Asa of Judah and succeeded him' (I Kings 15: 9–10).

The consumption of alcohol was probably widespread in the ancient world and Proverbs 23: 29–35 has an excellent description of many of its neuropsychiatric complications:

29 'Who has woe? Who has sorrow? Who has strife? Who has complaining? Who has wounds with no cause? Who has redness of eyes? 30 Those who linger late over wine when it is red, when it sparkles in the cup and goes down smoothly.

- 32 And the last it bites like a serpent and stings like an adder.
- 33 Your eye will see strange things and your mind utter perverse things.

34 You will be like one who lies down in the midst of the sea, like one who lies on top of the mast. "They struck me" you will say, "but I was not hurt, they beat me but I did not feel it".

35 When shall I awake? I will seek another drink.'

This brief passage alludes to alcohol-induced depression, irritability, redness of the eyes, visual hallucinations, dizziness, change of character, and addictiveness with morning drinking. Elsewhere in Proverbs there is a reference to alcoholic violence: '20, 17 Wine is a mocker, strong drink a brawler,' and also

4, 17 'For they eat the bread of wickedness and drink the wine of violence.' Alcoholism and alcoholic violence were well recognised in ancient Israel and must have been serious problems, just as they are in Britain today.

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