

**Graph referenced as "Dichronic ratio for Na DNA [sodium salt DNA] (Bradbury, Price, Wilkinson) J[ournal]. Mol[ecular].Biol[ogy].3. 301, 1961. Fig 4b"**

### **Contributors**

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### **Publication/Creation**

September 1963

### **Persistent URL**

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1956)

groups, the stretching frequencies are at  $1420 \text{ cm}^{-1}$  and  $1650 \text{ cm}^{-1}$  (Angell, 1955; Landry, 1955). For cytosine the absence of this last  $\nu_{\text{C}=\text{N}}$  might be expected at greater or greater than  $1650 \text{ cm}^{-1}$ , was taken to indicate that this base was in the imidic form. In cytosine deoxyriboside, where the sugar unit is attached to the  $\text{N}_1$  atom, question of tautomerism does not arise and cytosine in the nucleoside is in the

Abbo  
stretchin

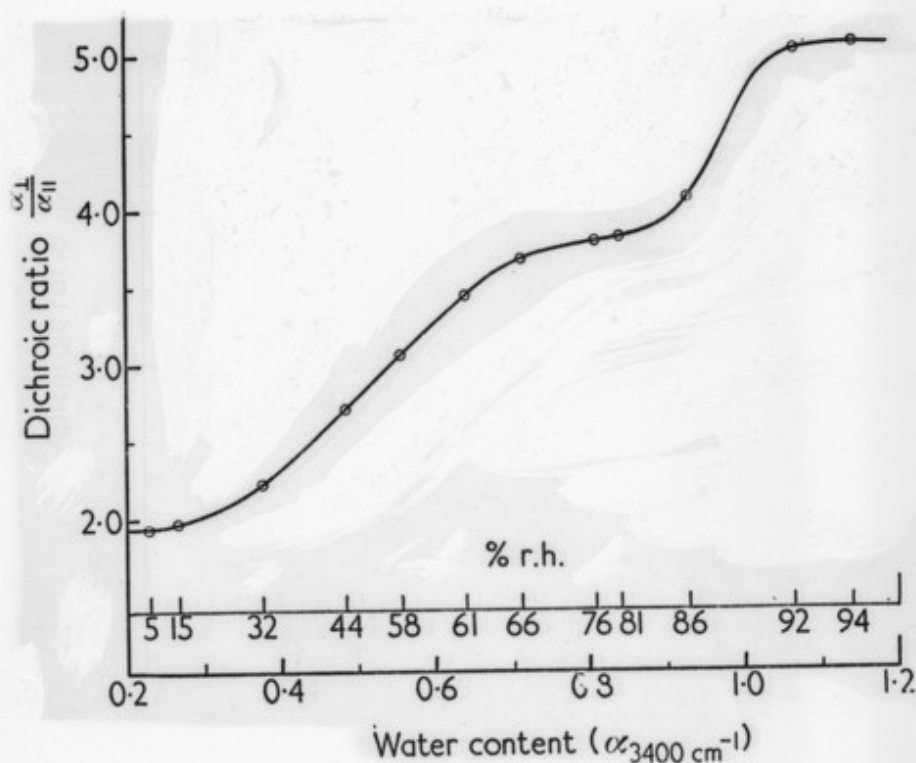


FIG. 1. Plot of the dichroic ratio of in-plane base vibrations for NaDNA against water content ( $\text{D}_2\text{O}$ ) of the specimen.

76% and 92% r.h. These plateaux must correspond to the two crystalline forms of Franklin & Gosling (1953), the *A* form at 75% r.h. and the *B* form at 92% r.h. In