

Models and x-ray diffraction exposures relating to the structure of transfer RNA referenced as 'Dr Fuller'

Contributors

Fuller, Watson, b.1935

Publication/Creation

May 1969

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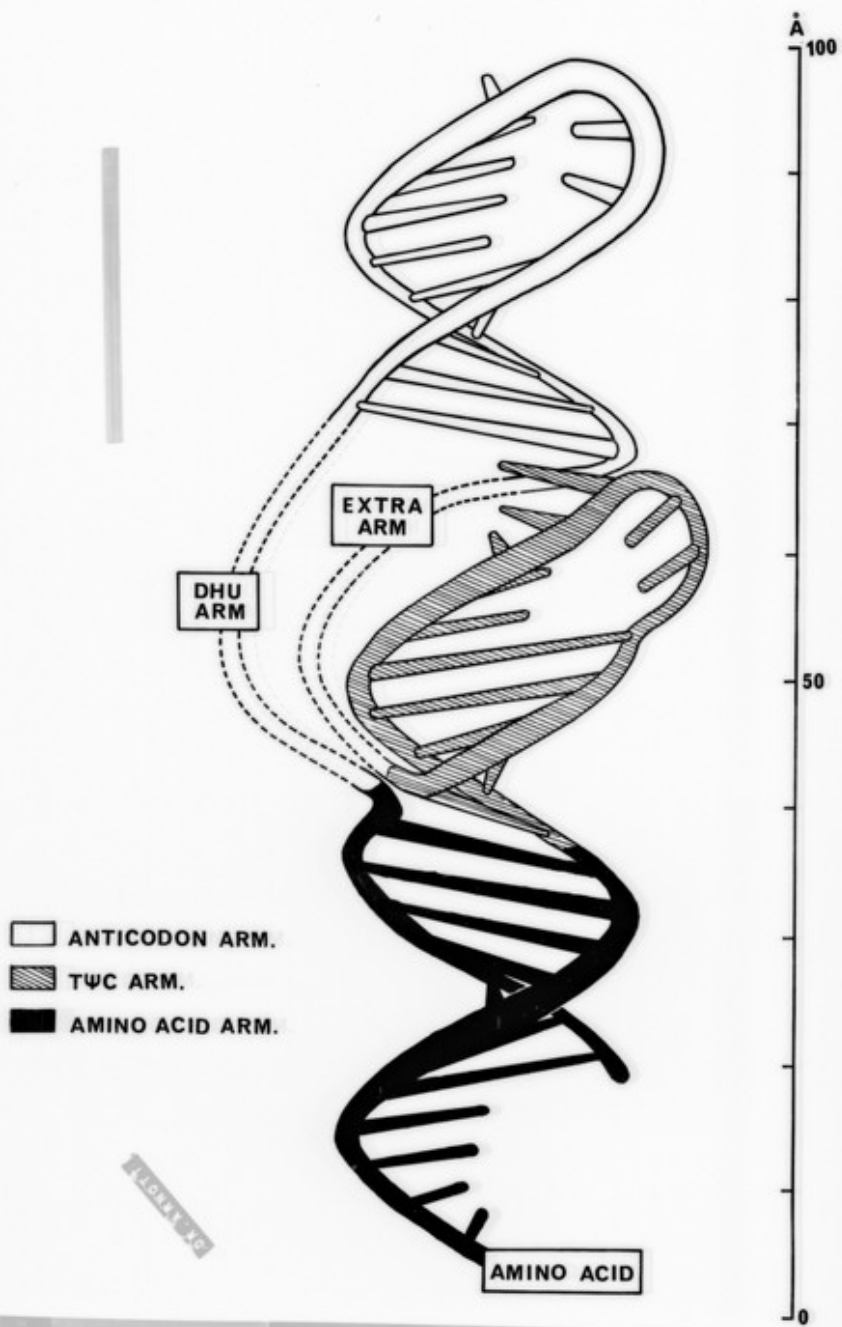
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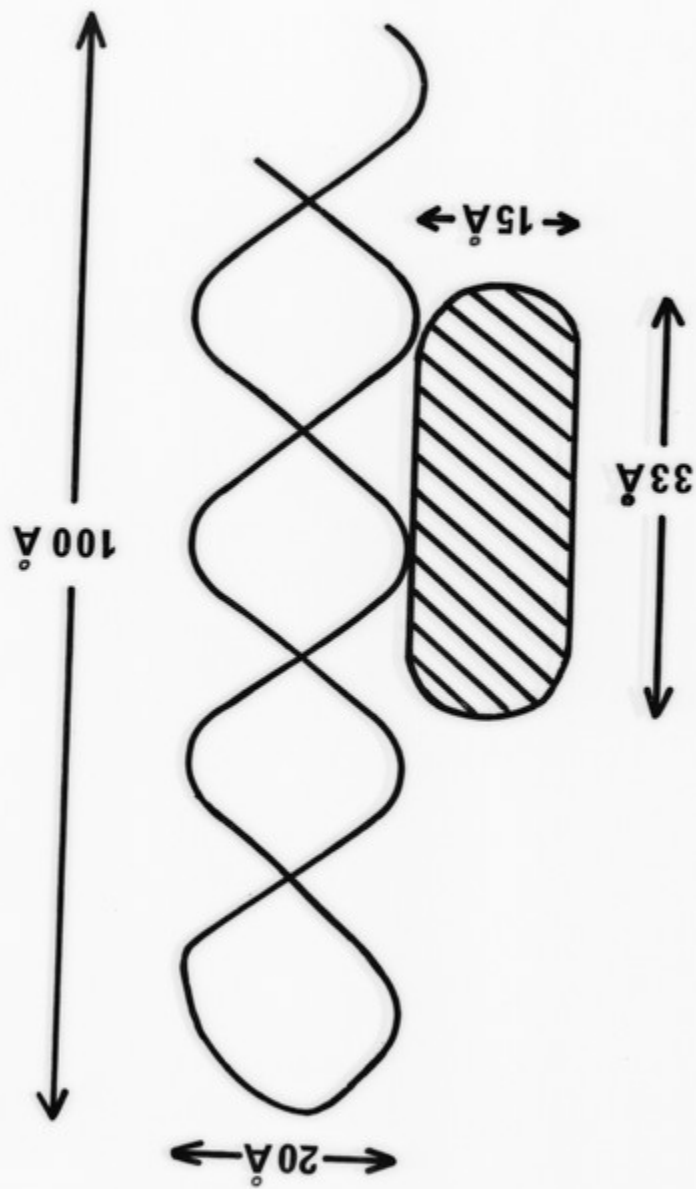
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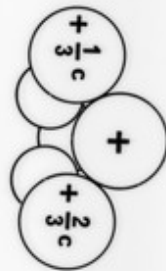
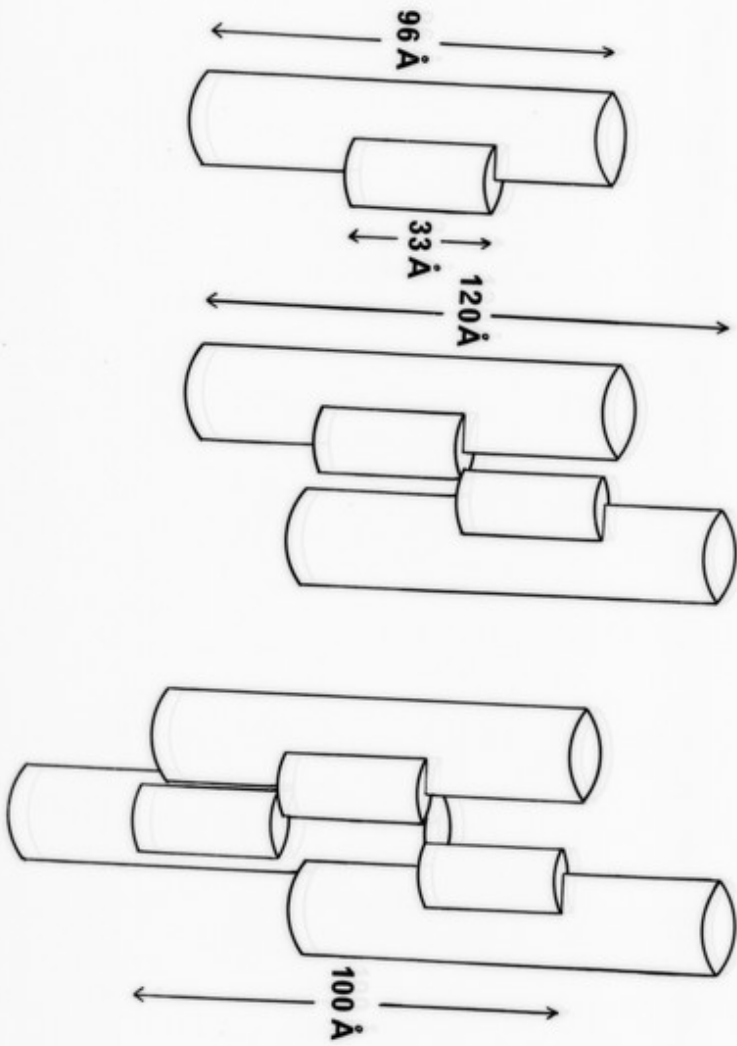
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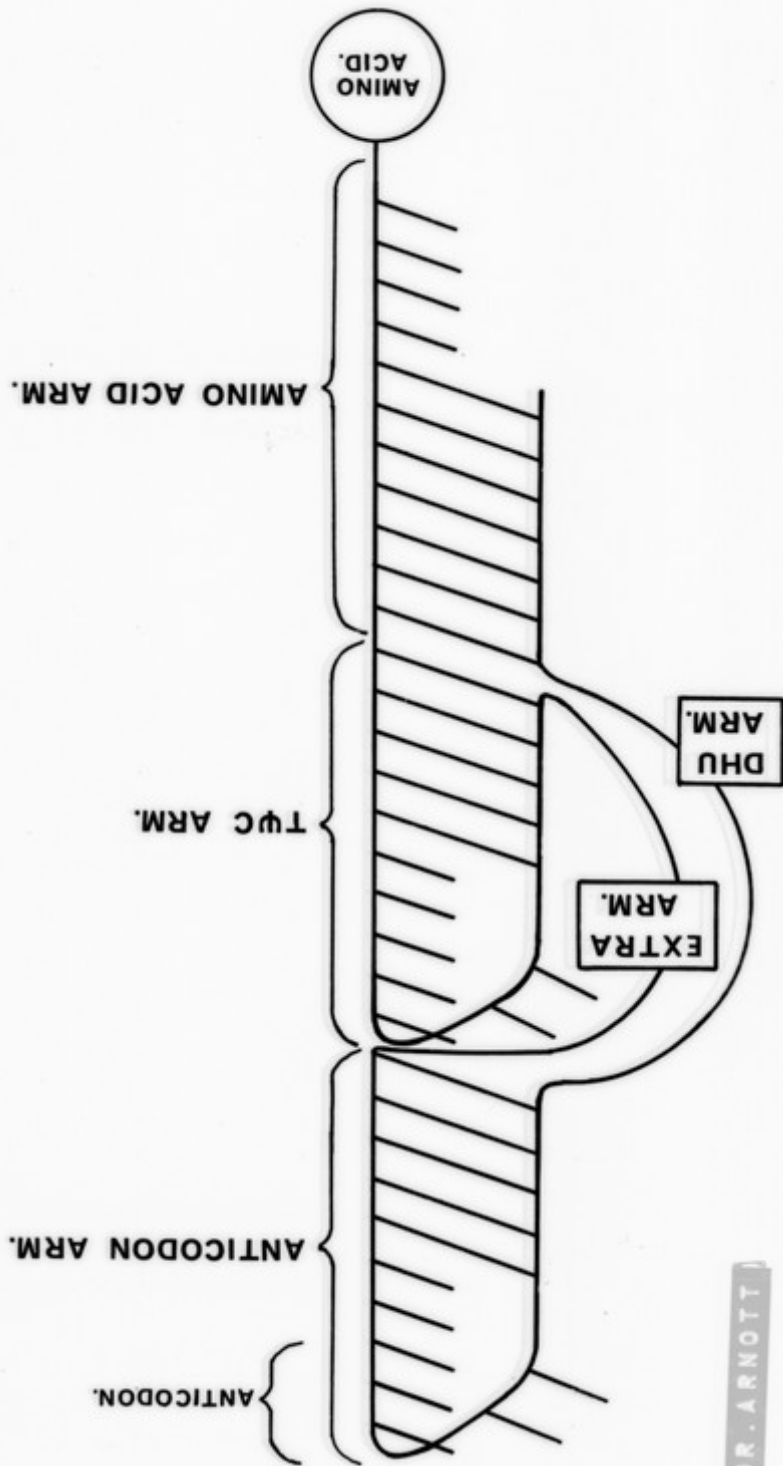




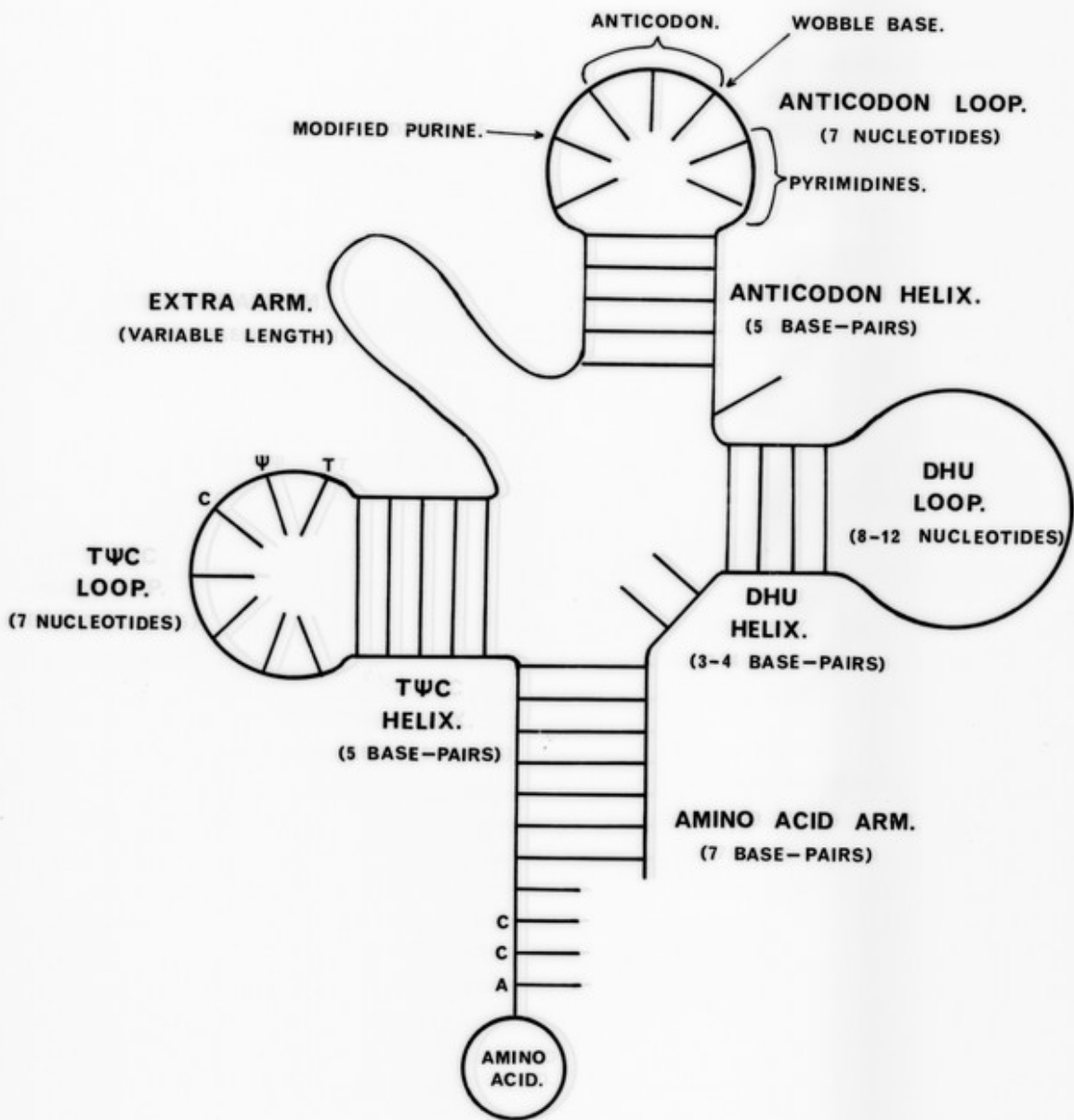
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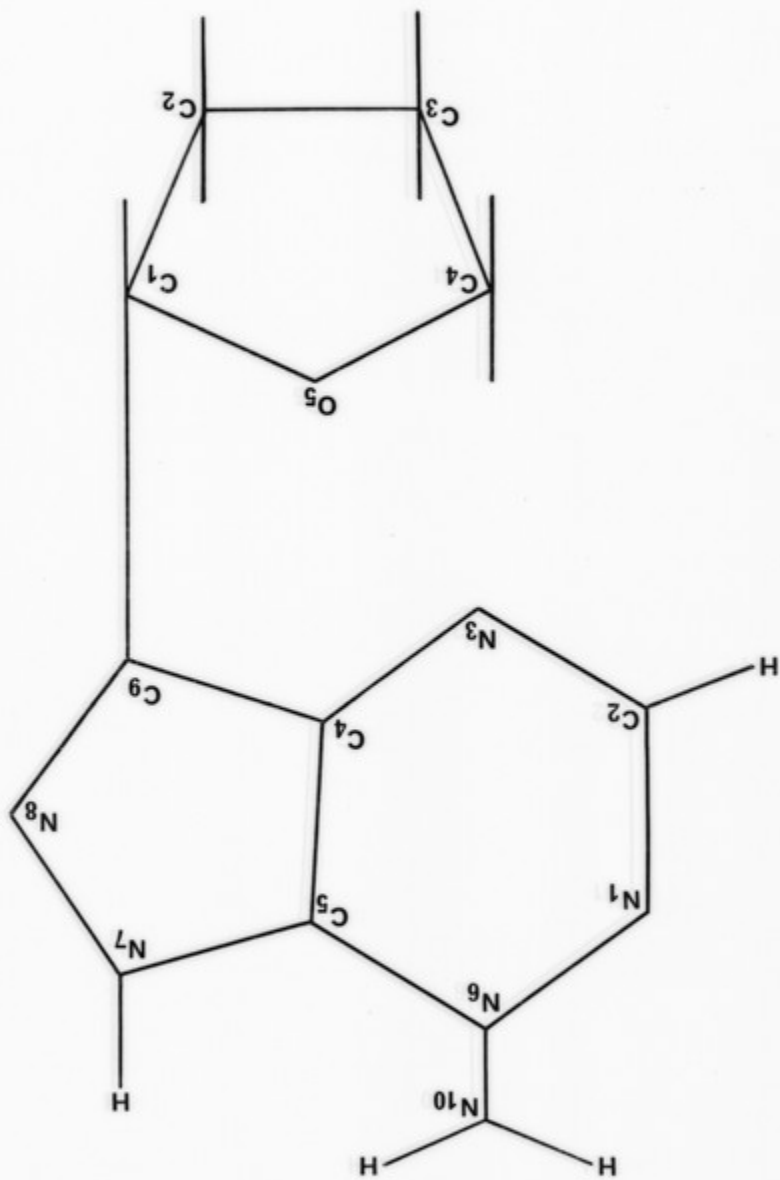
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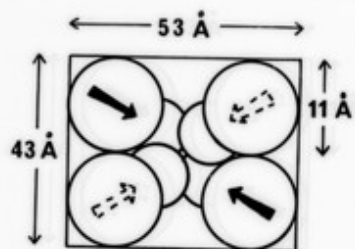


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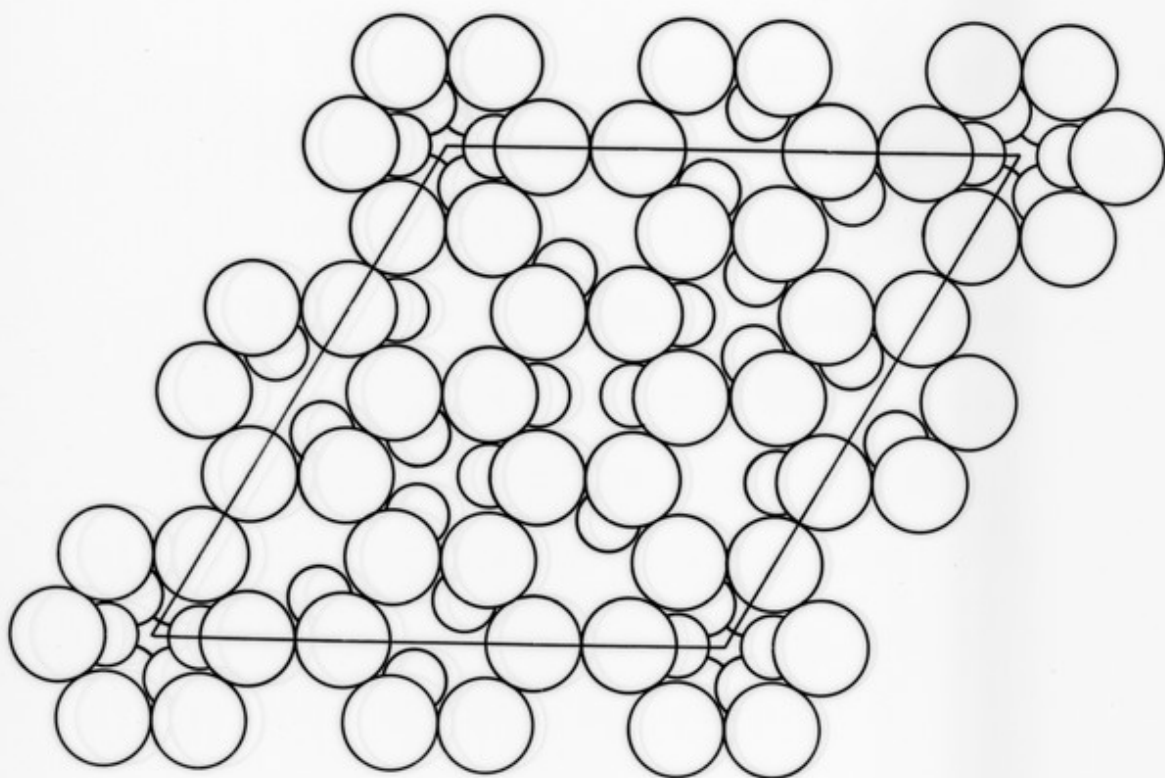


Dr. W. P. F. Ueber





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[REDACTED]

(1) The clover leaf model is a correct description of the base-pairing in the tRNA structure.

(2) The base-paired regions of the clover leaf arms have a conformation like that of regular two-stranded helical polyribonucleotides in crystalline fibres.

(3) The relative position of amino acid and anticodon is the same in all tRNA species.

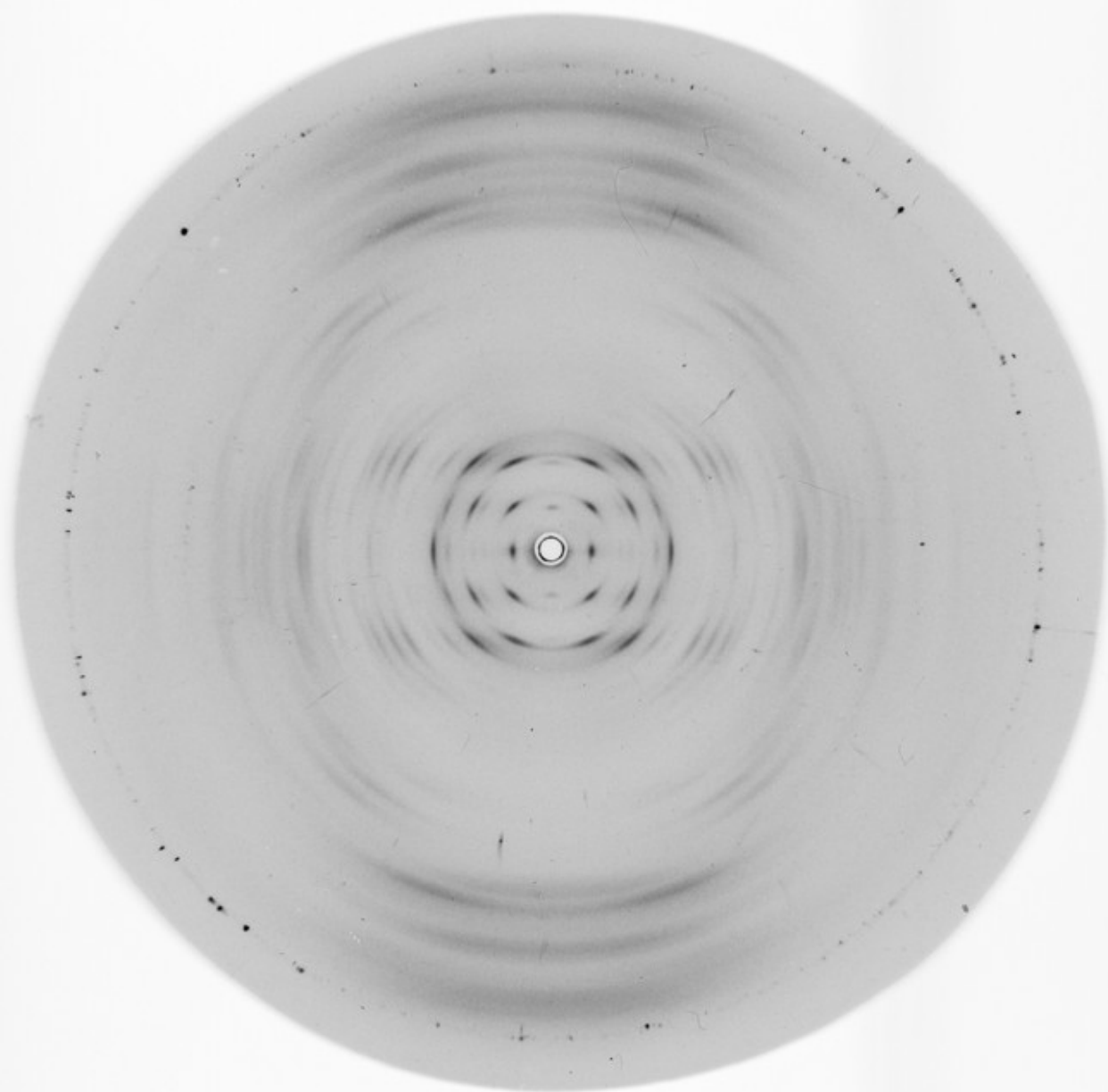
(4) The X-ray radius of gyration of the molecule is approximately 24 Å.

(5) The conformation of the anticodon loop is as described by Fuller and Hodgson.

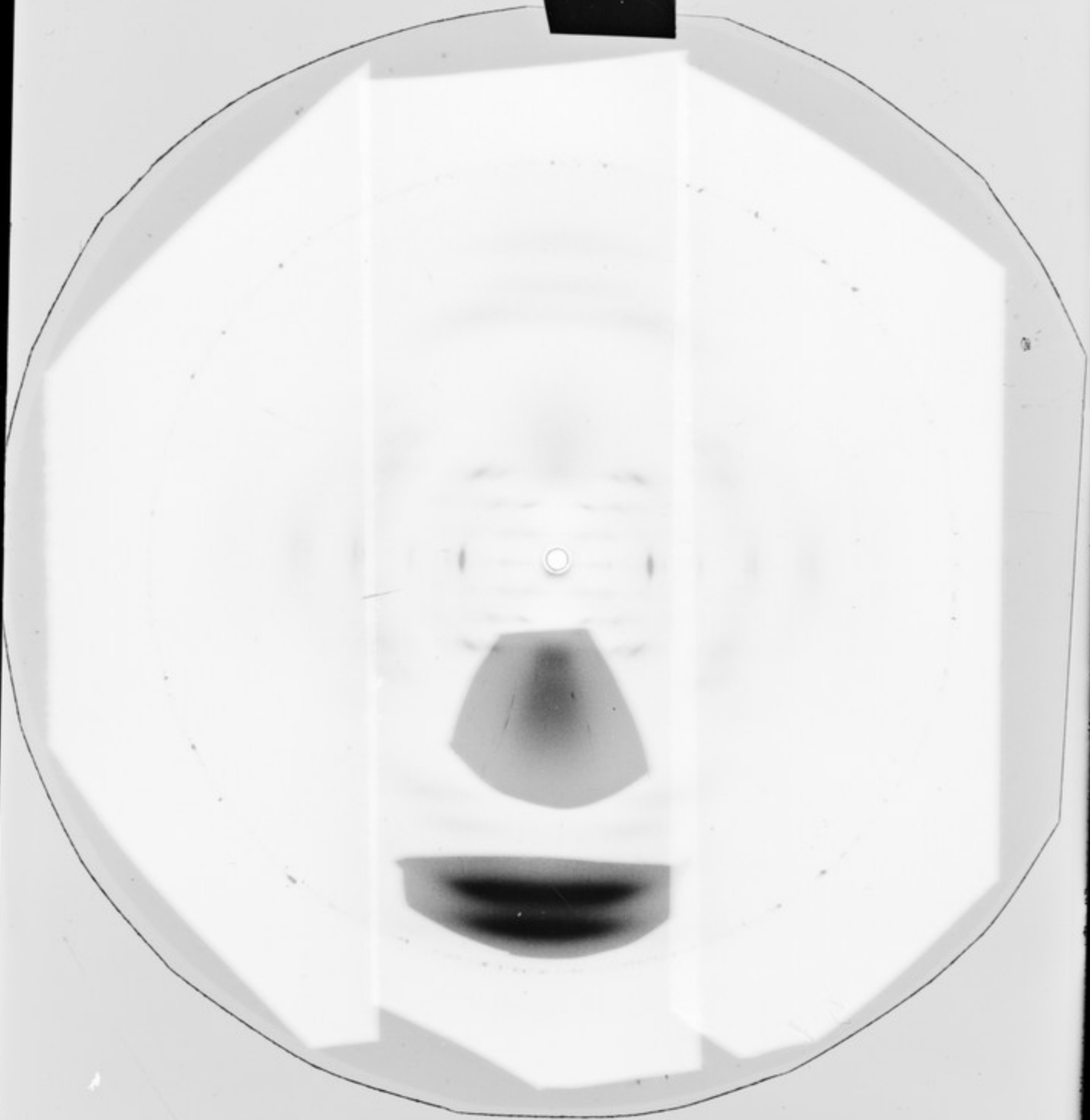
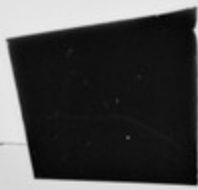
(6) The T ψ C loop has a conformation like that of the anticodon loop and is in the least exposed part of the structure.

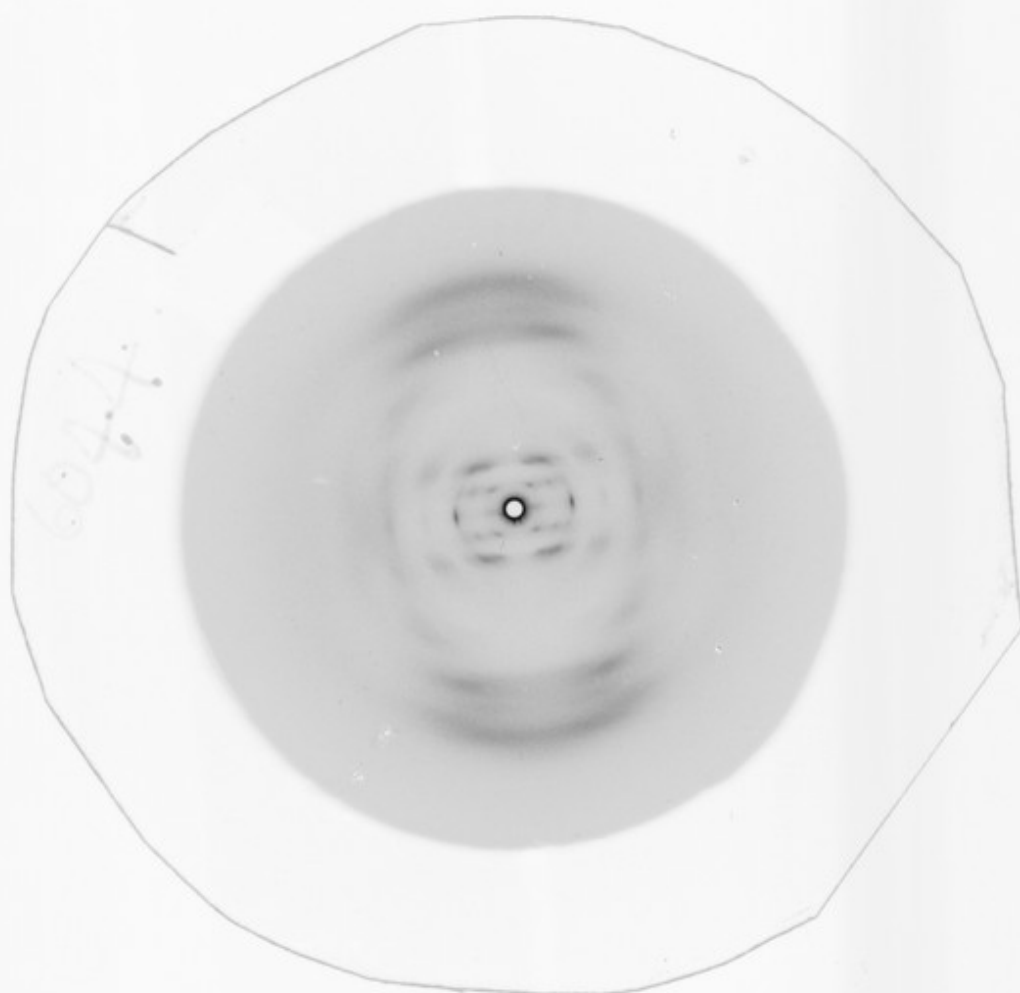
(7) The T ψ C arm is stacked on the amino acid arm.

Dr W. FULLER



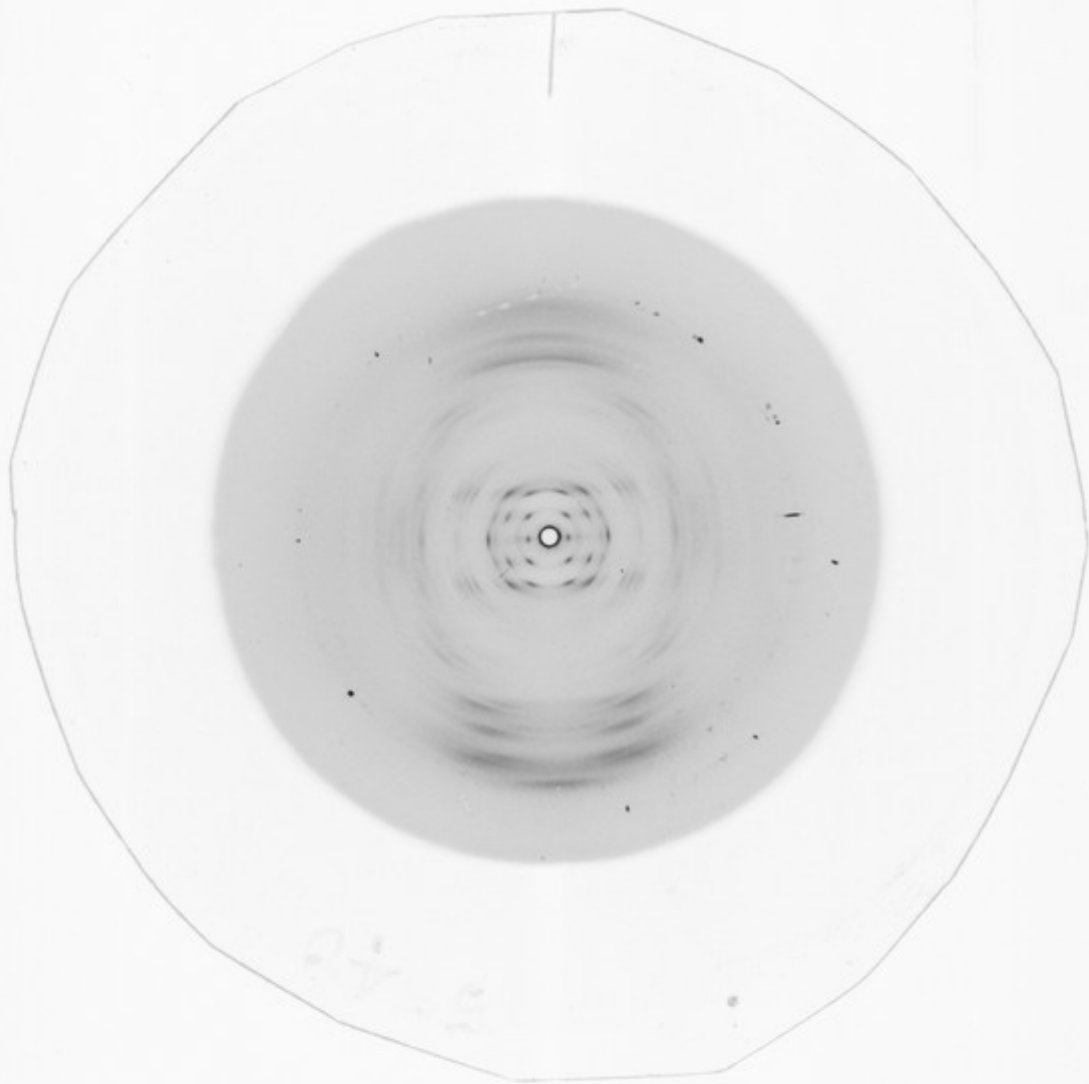
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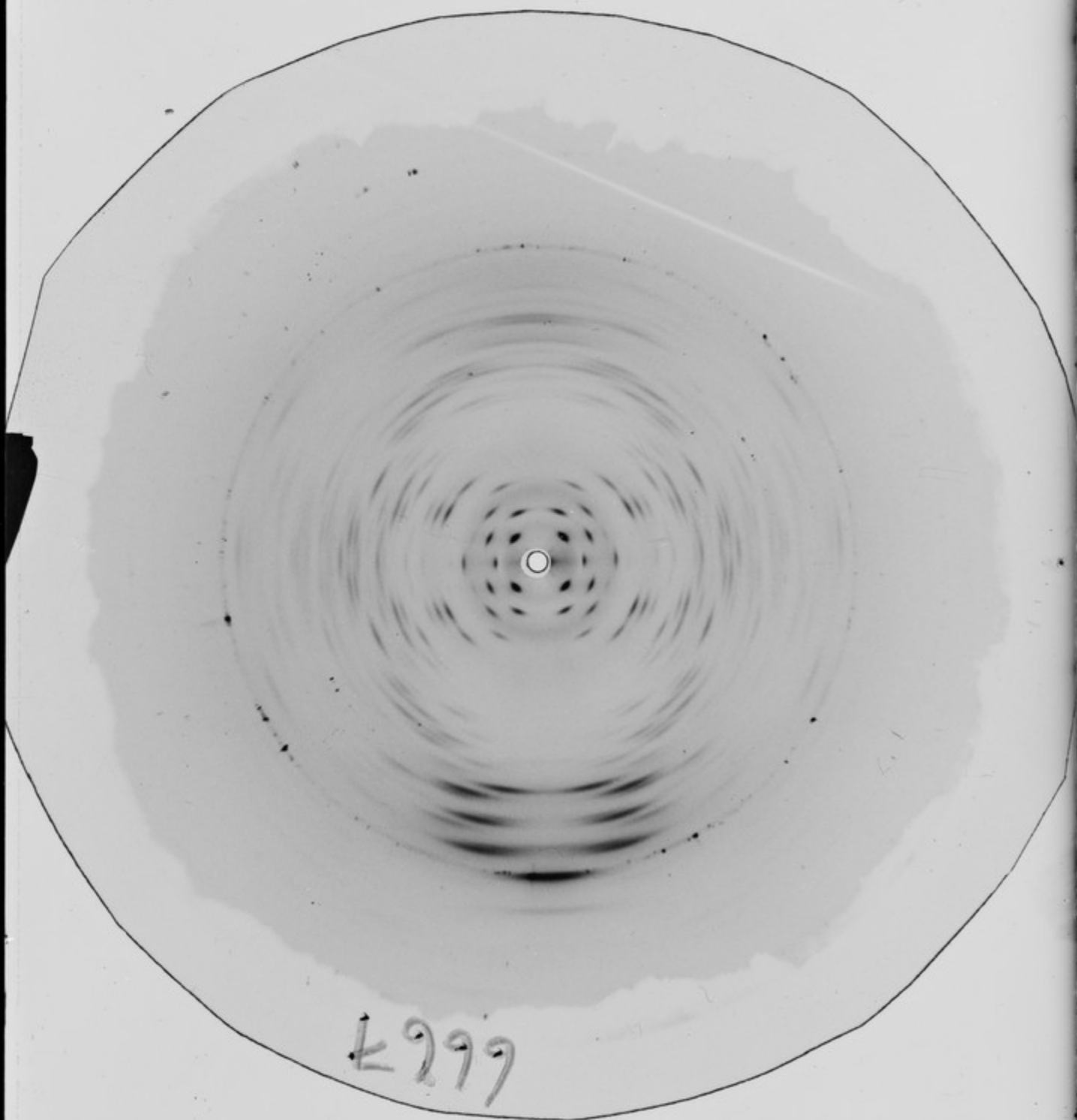
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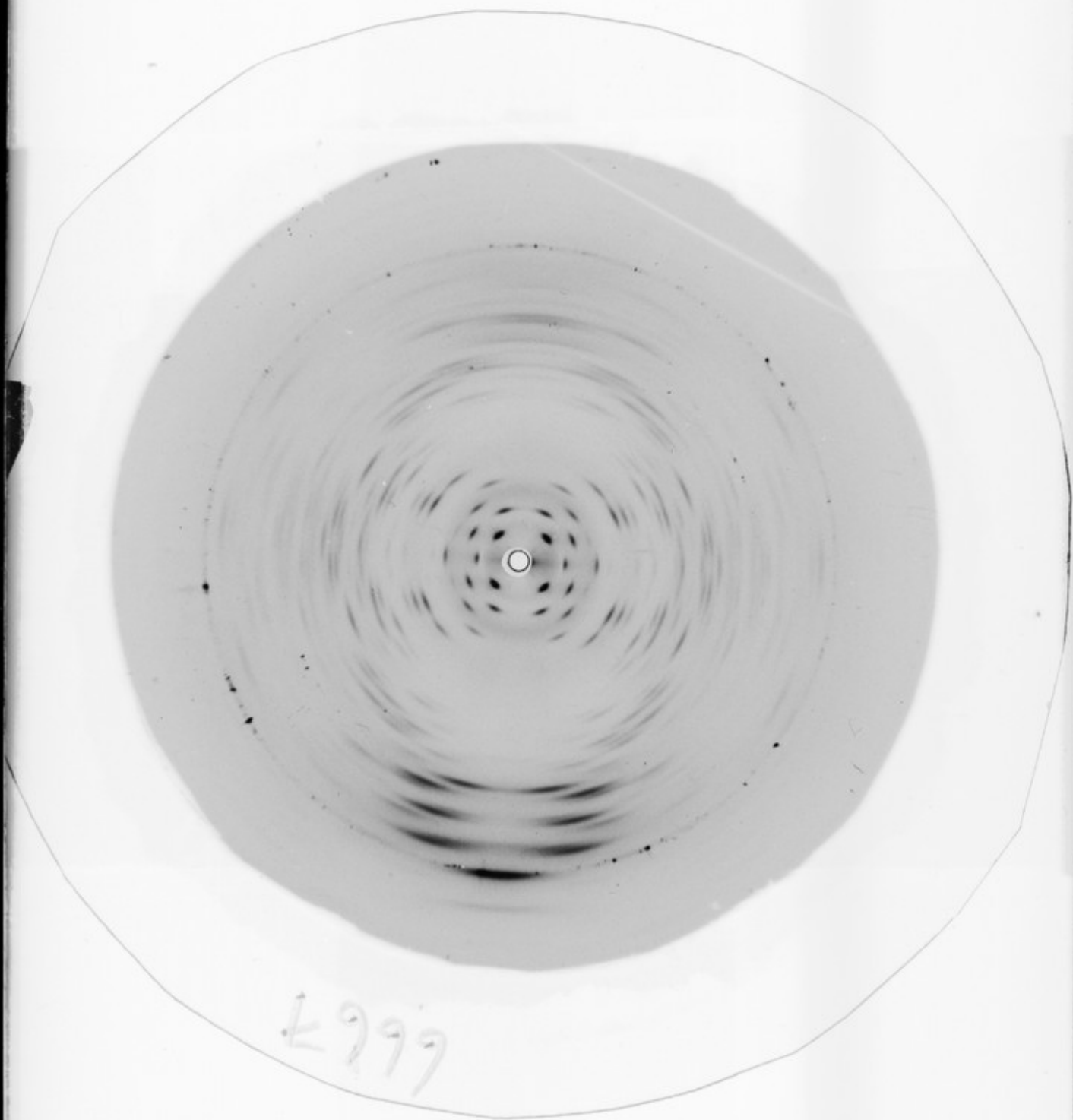
Madison



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