

Minutes of the ordinary Meeting held at the Cape Centre on the 9th of September 1981 at 8 pm.

Mrs Mike Kramer

~~Miss Booth~~ opened the meeting. Present were 22 members and 0 visitors.

Apologies for absence were received from Simianoff, Bondieth, Banner, Simpson and Miss G Beddel. Four new members were welcomed. They are Mrs B Foster, Mrs L Smallic, Mr R Road, + Ralph J Road.

The Talk was by Dr Dave Kilkenny, educated at St Andrews in Scotland and now working at the Observatory. His Subject is "Photometry".

We use a logarithmic system of magnitudes for stars. A first magnitude star is eg 100 times brighter than a 5th mag. star. Photographic plates taken of a starfield have an accuracy of  $\pm 5\%$ . Photoelectric photometry has an accuracy of 0.1%. Stars are measured one at a time. A photomultiplier tube is the essential component. 2 Examples were on display. Dr Kilkenny gave a description of the process whereby ~~the~~ <sup>photons</sup> ~~light~~ from a faint star ~~are~~ multiplied 10-100 million times, and registered as an electric impulse and showed how ~~the~~ <sup>the</sup> tube is attached to the telescope in a light tight, <sup>cooled</sup> compartment.

Mrs Cursons thanked the speaker and the meeting was adjourned for tea at 9:30  
Signed as usual.

*G. S. T. L.*