

Minutes of the Ordinary Meeting of the Cape Centre
held at S.A.A.O. on Wed 23rd of ~~July~~ June 1982
at 8 pm.

The meeting was opened by the Chairman Mr Jack Bondietti
Apologies for absence were received from Mr Pyncozyk.
Mr Mike and Mrs Pat Kramer + Dr Feast.

There were 20 Members and 6 visitors.

It was announced that there would be no meeting
in July because of the A.G.M. of the Society
on 15/7/82 (a Thursday) The A.G.M. for the Cape
Centre would be held on Wed 11/8/82.

It was announced that the new planetarium
would be complete by the end of 1984.

The Chairman introduced the speaker for the
evening, Dr Kilkenny who spoke on
"R - Corona Borealis Stars". They are super
giant stars with a radius 80-100X that
of the Sun. They have a low density and
are extremely deficient in ~~the~~ Hydrogen
most stars have 70% Hydrogen ~~and~~ 30%
Helium with smaller quantities of the other
elements. R Cr B stars have much ~~more~~ Helium
and more than ^{the} average ^{amount of} Carbon.

The "Prototype" R Cr B has a 125 day cycle
and varies in magnitude 6 \rightarrow 13. It ~~spends~~
dips ~~to~~ in 25 days and recovers in about
100 days. Only \pm 20 such stars are known.

Mr Kilkenny. A model of ~~these~~ this
type of star was sketched on the board.

An ejected cloud of carbon expanded
and progressively obscured the star
but as it further expanded, became
more transparent again revealing the
star.

He also constructed a H-R diagram and showed us the probable evolutionary pathway of a star along the diagram. It is a cooling supergiant. The meeting was then closed for tea.

M.R. Kromer