

“LYOT”

Genius whose ideas made Climax and Sac Peak
successful

75TH HAO Anniversary

Oran R. White

1933

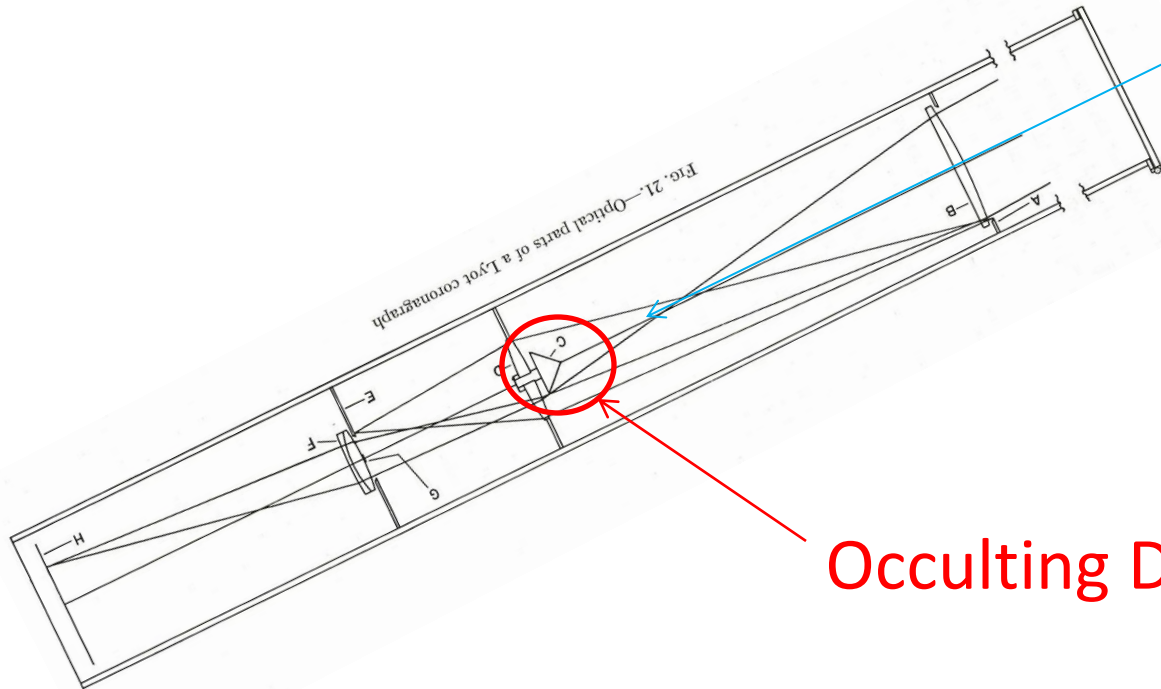
Lyot conceives the Birefringent
filter

1938

Öhman also conceives the Filter
and builds the first one

1938

Lyot invents coronagraph and installs it at Pic Du Midi



Occulting Disk

1939

Lyot gives **Darwin lecture** at the
Royal Astronomical Society
meeting in London

Shows images of corona without eclipse

Discovery of coronal emission lines

Green 5303 Å

Yellow 5694 Å

Red 6374 Å

(no known atomic identification)

1943

Edlen & Grotrian identify
atomic sources for new
coronal lines

5303 Fe XIV

6475 FeX

5694 CaXV

A Basic Discovery

1944

Edlen and Grotrian show the ionization energies for the new coronal ions to be

FeXIV 210 ev

FeX 200 ev

CaXV 800 ev

Therefore, the corona has to be very hot----- Temperature \approx 2 million deg



Bernard Lyot, Jack Evans and Walt Roberts at Climax
Observatory 1948?

Lyot letter to Don Menzel, 29 August 1946

lyot-menzel ltr



J.V.
 EVANS WORKED FOR HAO
 FROM JUNE '46 to
 LATE SUMMER? of '52
 FALL
 EVANS
 WENT ON FAMOUS
 HAO KHARTOUM
 ECLIPSE EXPEDITION
 FEB OF '52 WITH
 Bob Lee and
 Bob Cooper.
 LYOT DIED IN
 ALEXANDRIA ON
 HIS WAY BACK TO
 FRANCE FROM
 THE '52 ECLIPSE
 ? I was
 said et si



J-C Pecker email to Dick White, 6 July 2015

: il tapait sur les caisses avec l'aide de Madame Lyot, alors que Aly était allongé dans une chaise longue, fumait un cigare et buvait du whisky. Après l'éclipse Lyot est allé au Caire pour le dépouillement des clichés, qui appartenaient donc à l'observatoire du Caire. Il était extrêmement fatigué d'avoir travaillé seul aux observations et il est mort d'une crise cardiaque dans le train qui l'amenait de son hôtel à l'observatoire.



Bernard Lyot

Bernard Lyot

27 February 1897 – 2 April 1952