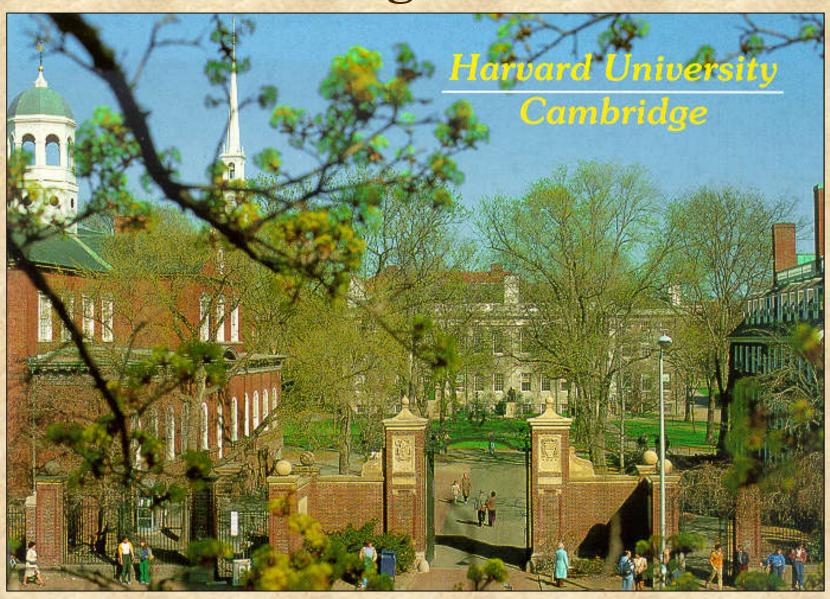


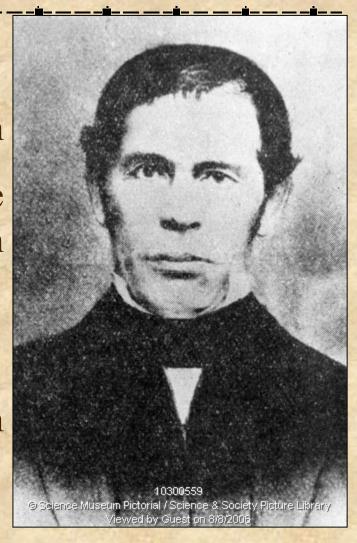
# Background

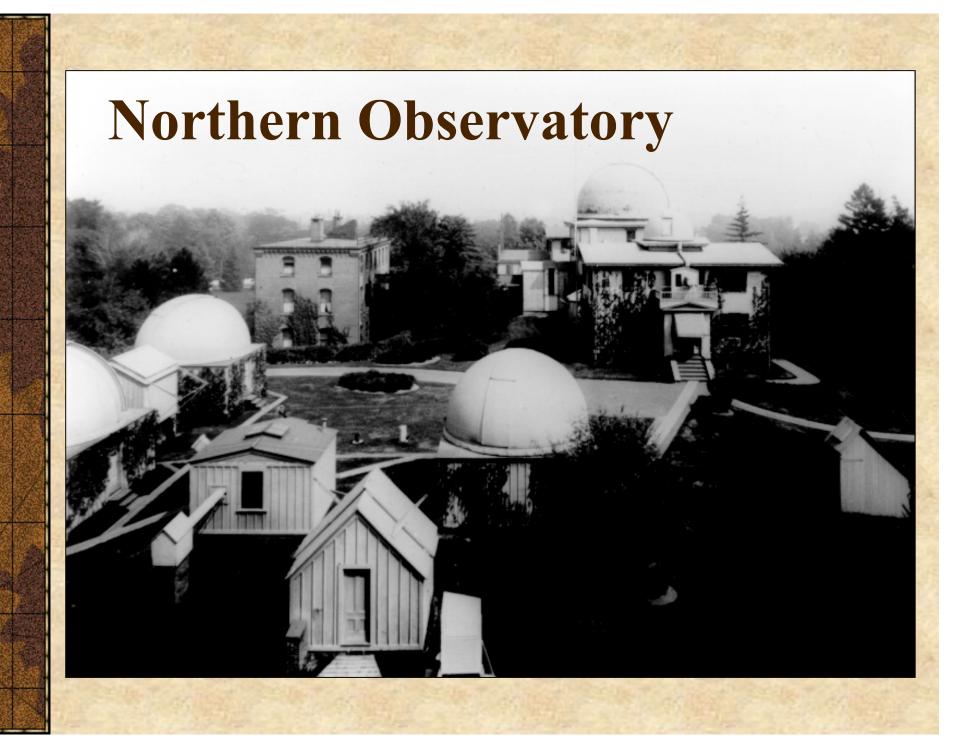
### Where it all began ...



### Uriah Boyden

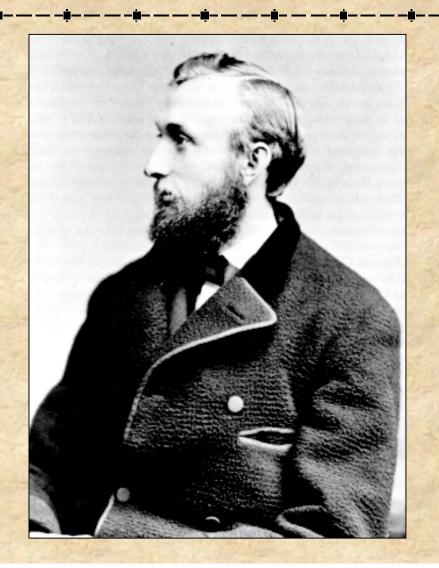
- \* Born in 1804 in Massachusetts
- \* Mechanical engineer in Boston
- Received an honorary degree from Harvard University in 1853
- \* Died on 17 October 1879
- \*\* Left a sum of \$238 000 for an observatory at a high altitude

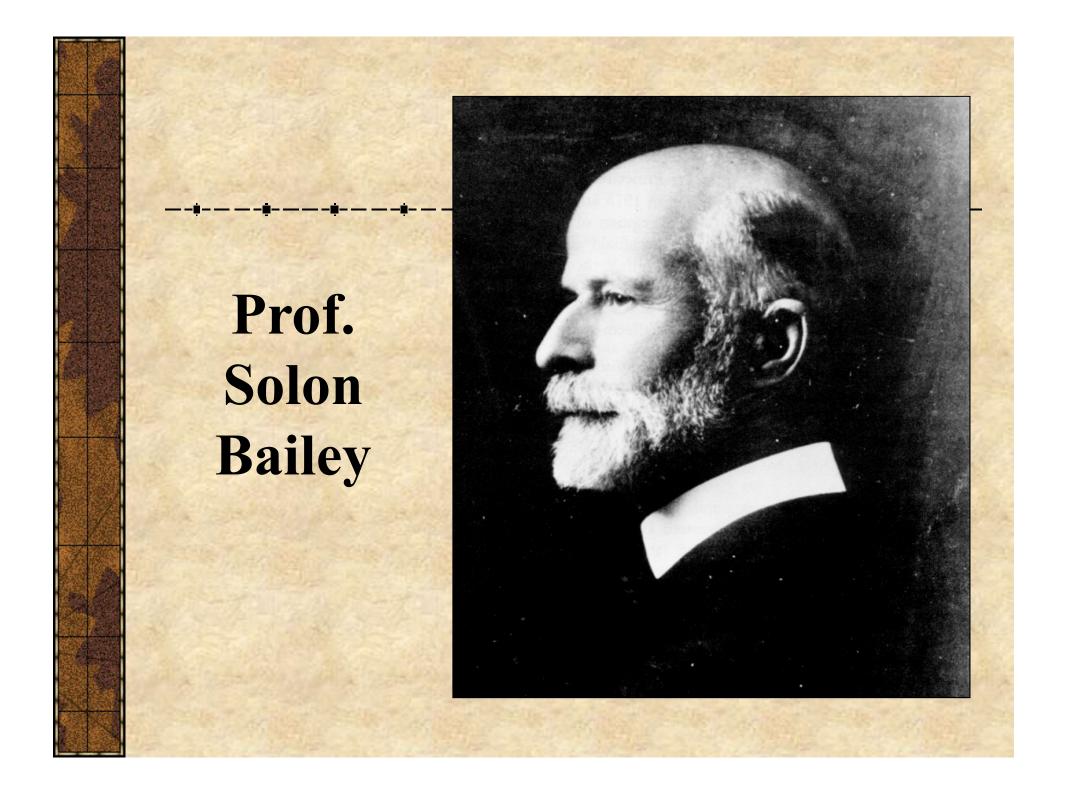


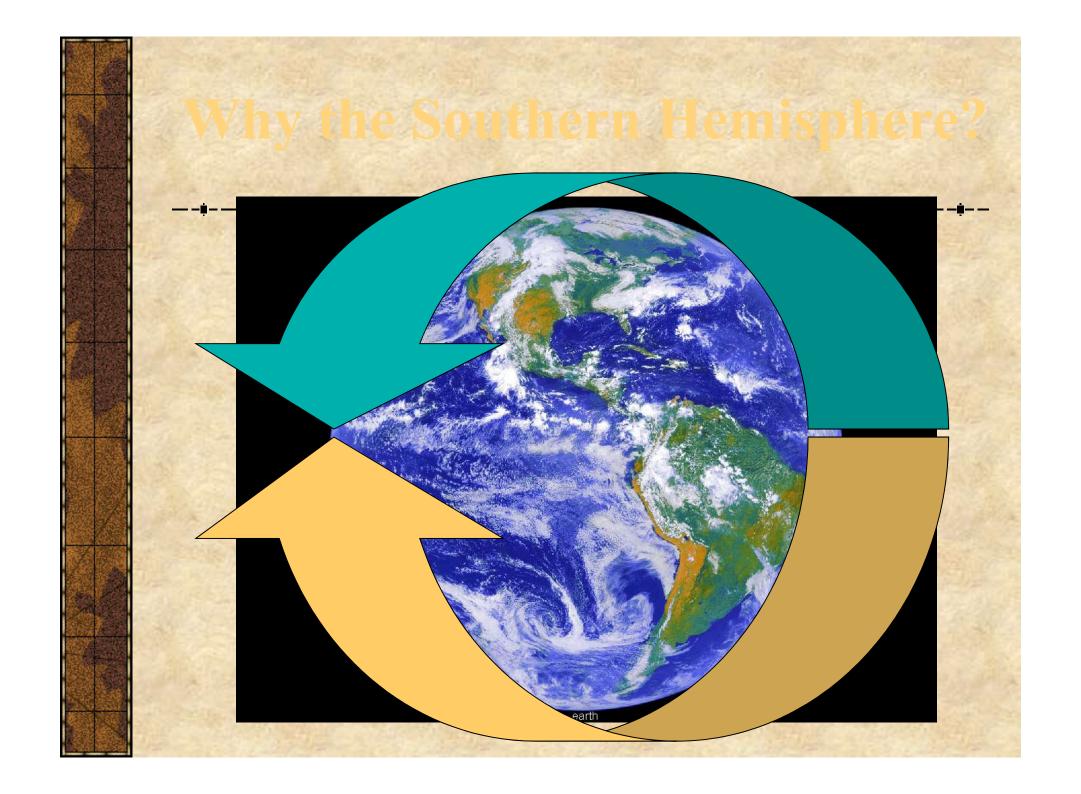


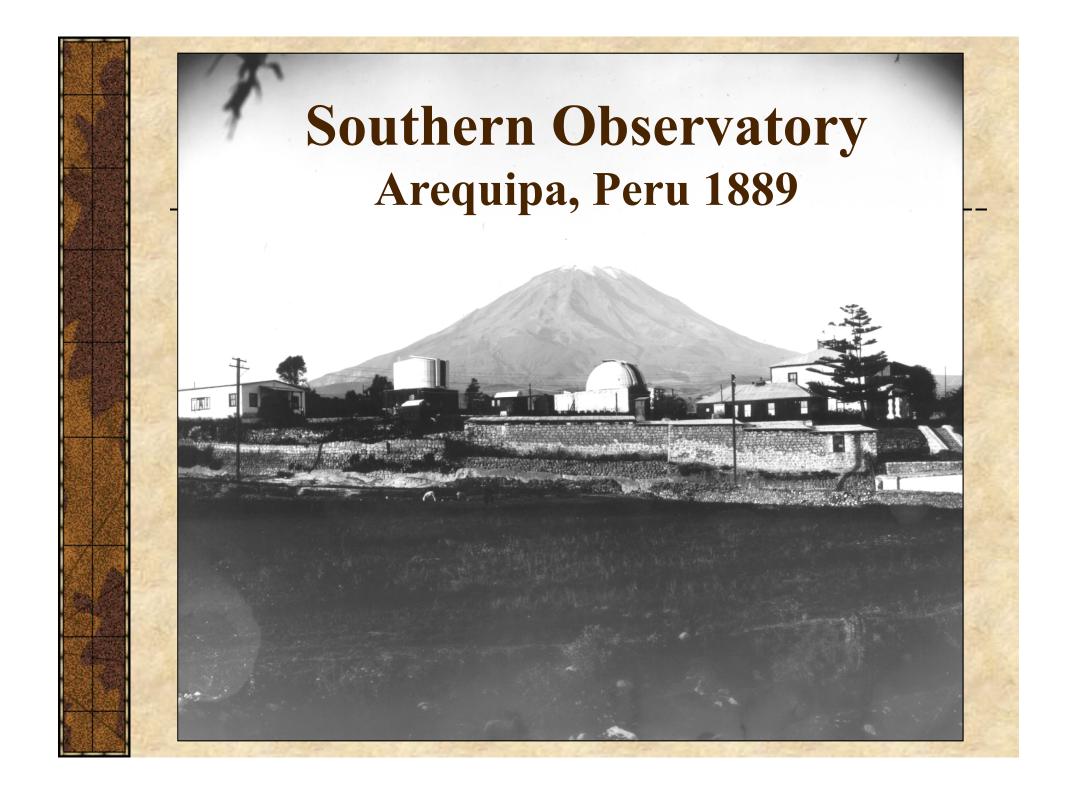
### Prof. Edward Pickering:

- Director of Harvard Observatory
- \*\* Decided to build an observatory in the Southern Hemisphere

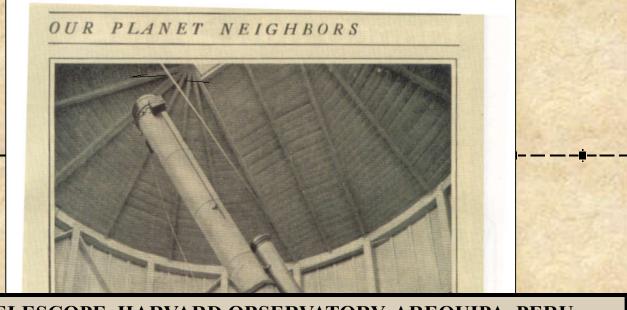






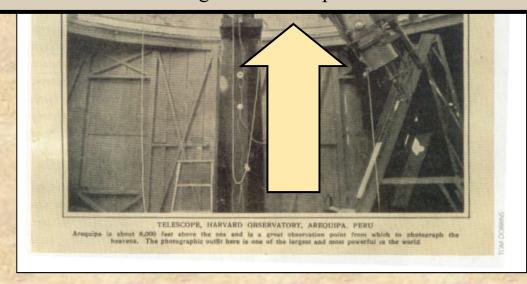


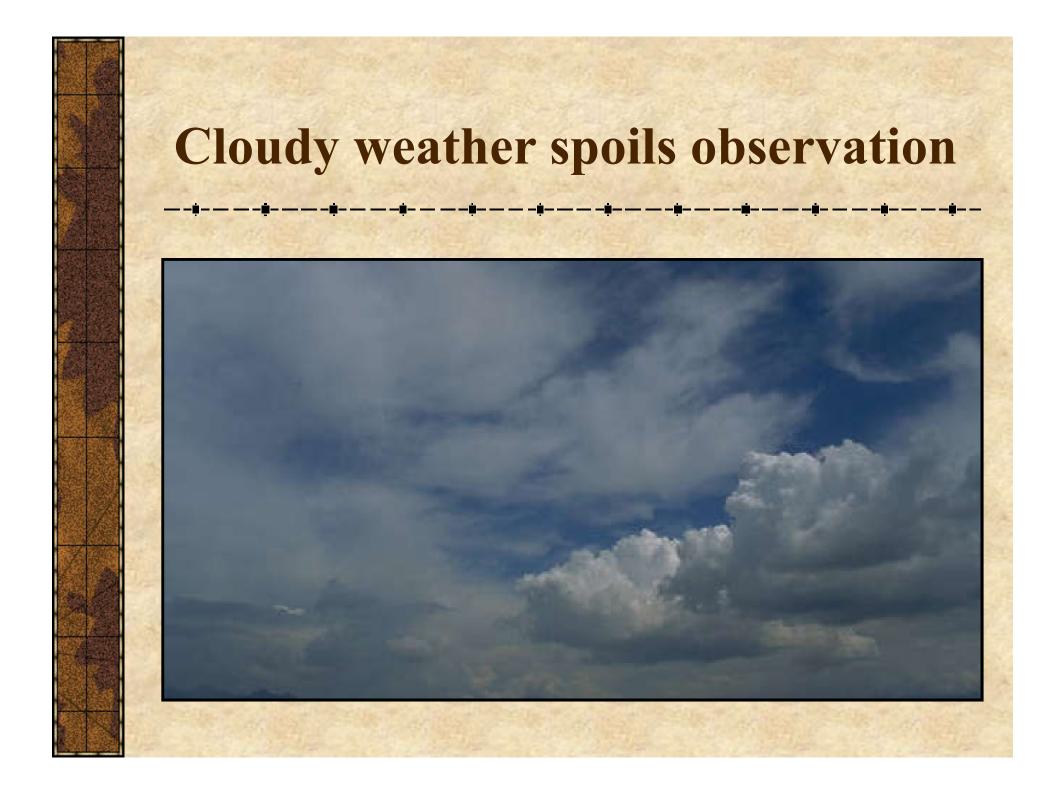
### William Pickering

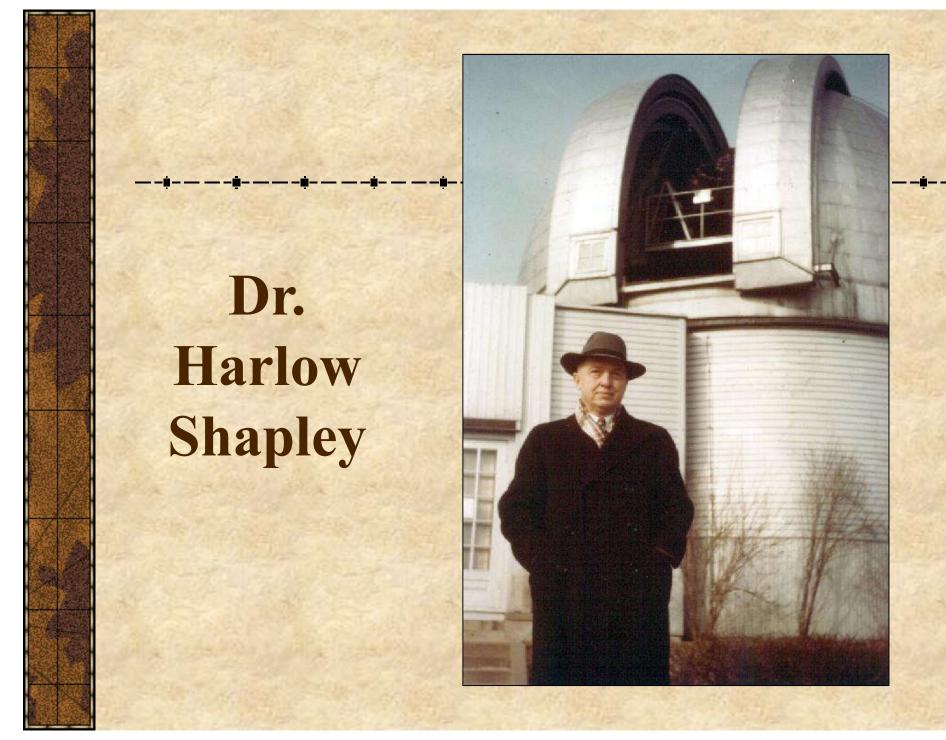


### TELESCOPE, HARVARD OBSERVATORY, AREQUIPA, PERU

Arequipa is about 8,000 feet above the sea and is a great observation point from which to photograph the heavens. The photographic outfit here is one of the largest and most powerful in the world.





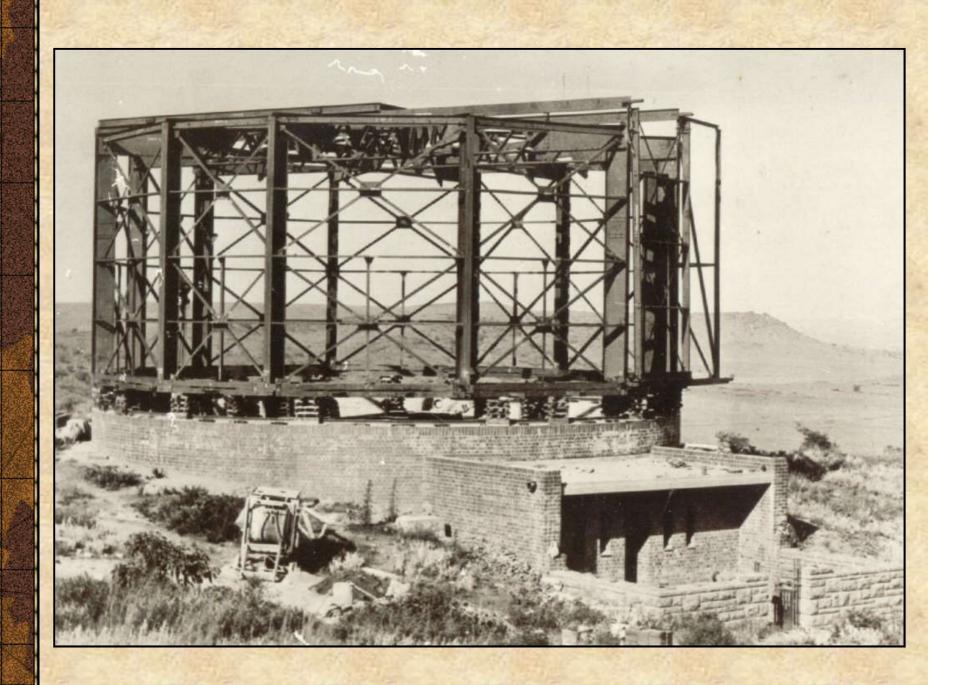


### The Trek (1927)...

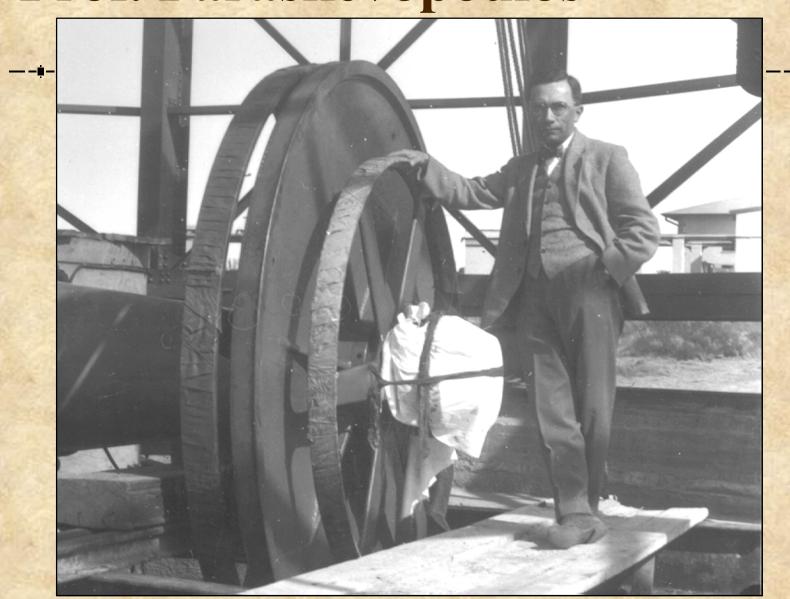


### The Construction...











### The Paraskevopoulos Crater

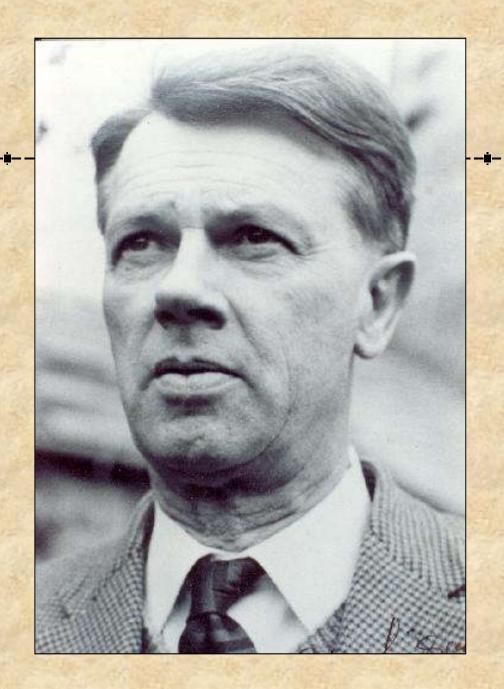


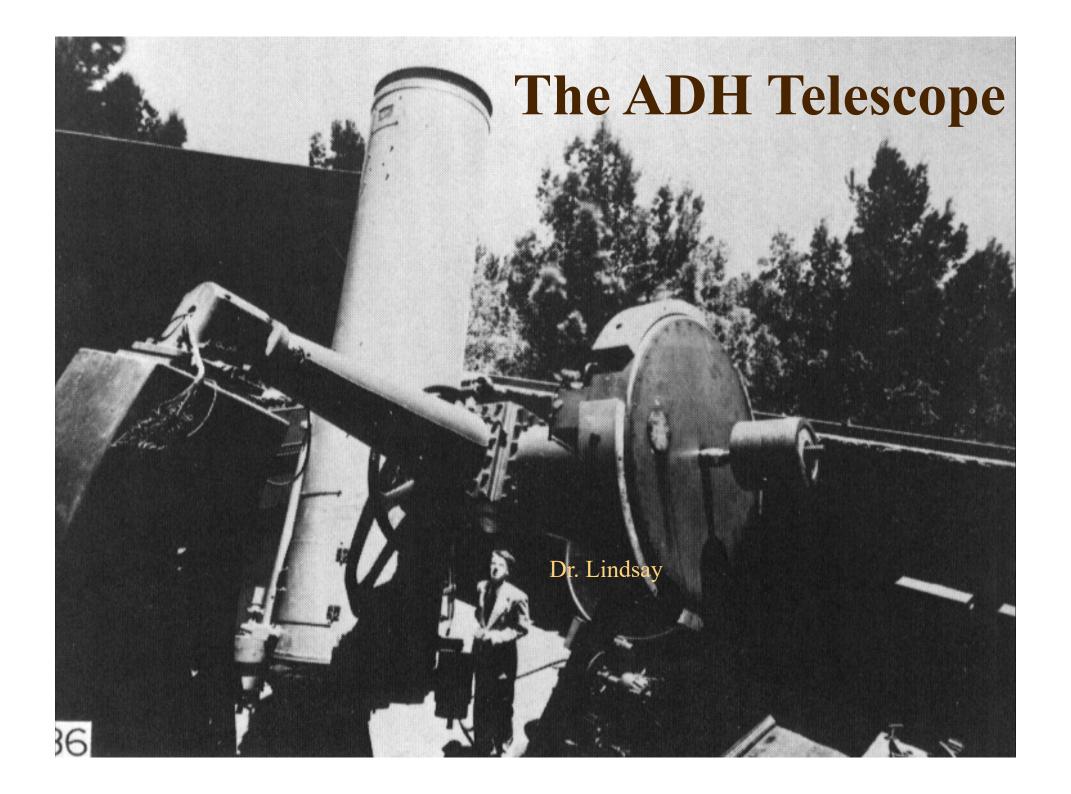
### Financial Responsibility

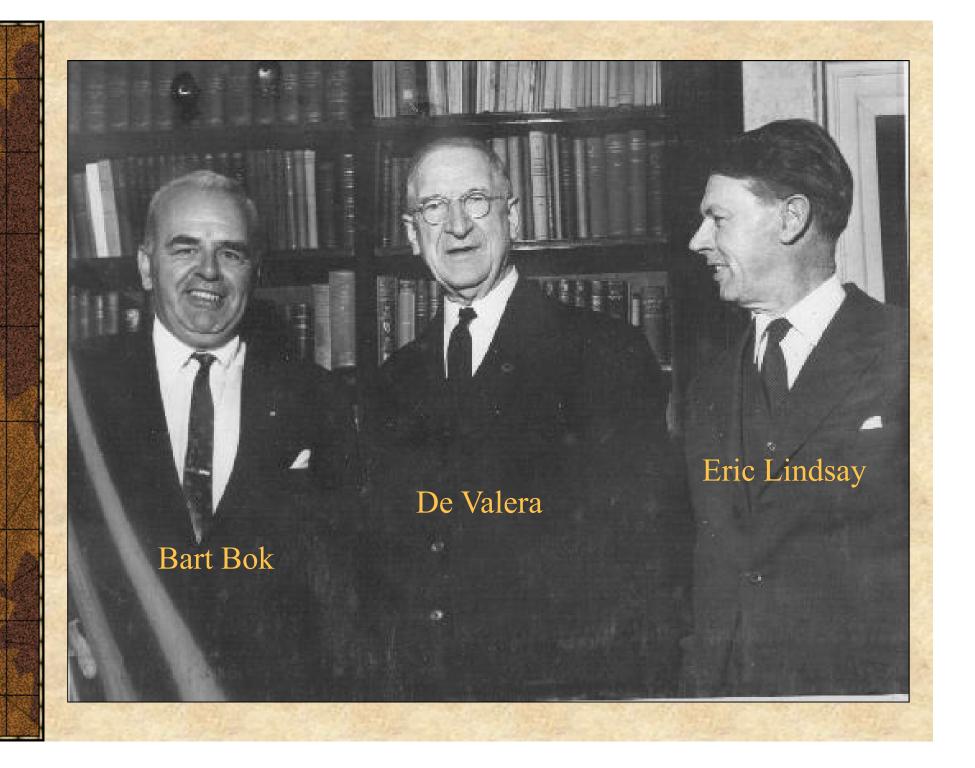
- \* 1927: Harvard University
- \*\* 1955: International Boyden Council

  [First observatory to receive international sponsorship this coucil, founded on the recommendation of Dr. Eric Lindsay (Armagh observatory) and Prof. Herman Brück (Dunsink observatory)]
- \* 1976: University of the Free State

Dr. Eric
Lindsay
(International
Boyden
Council)







### Famous Astronomers at Boyden



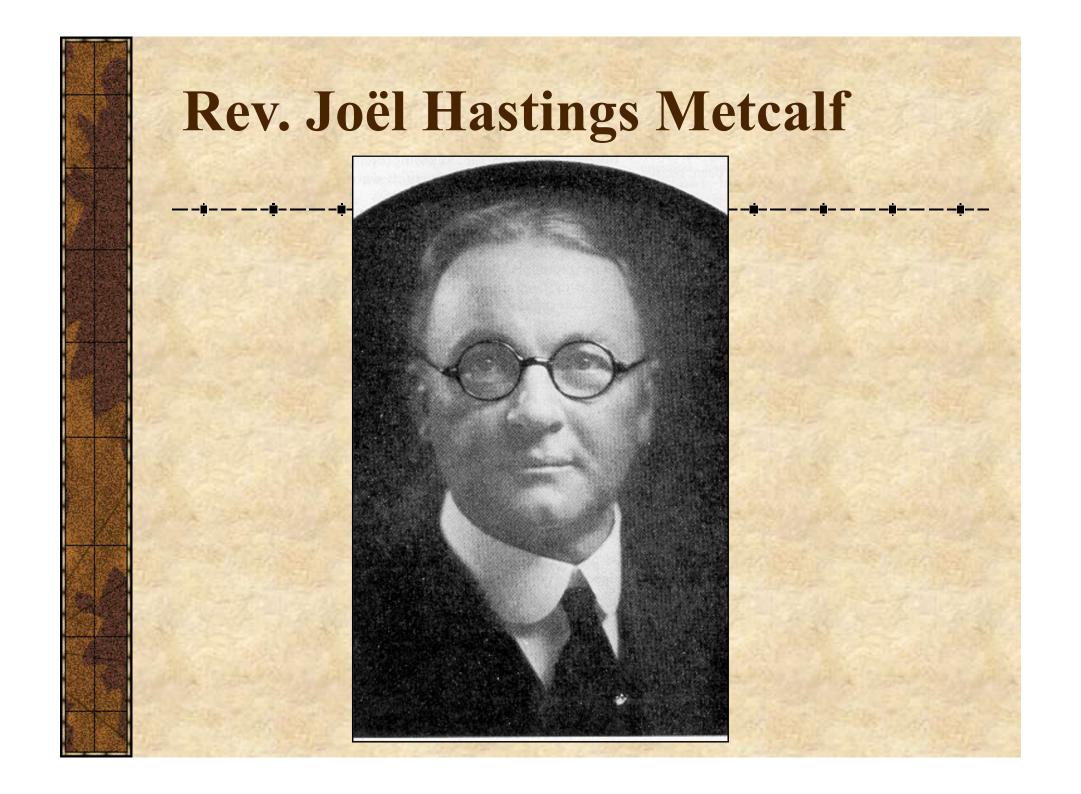
### 1976

\*\* Boyden
Observatory
presented to the
UFS as a gift

**\*\* First Director:**Prof AH Jarret

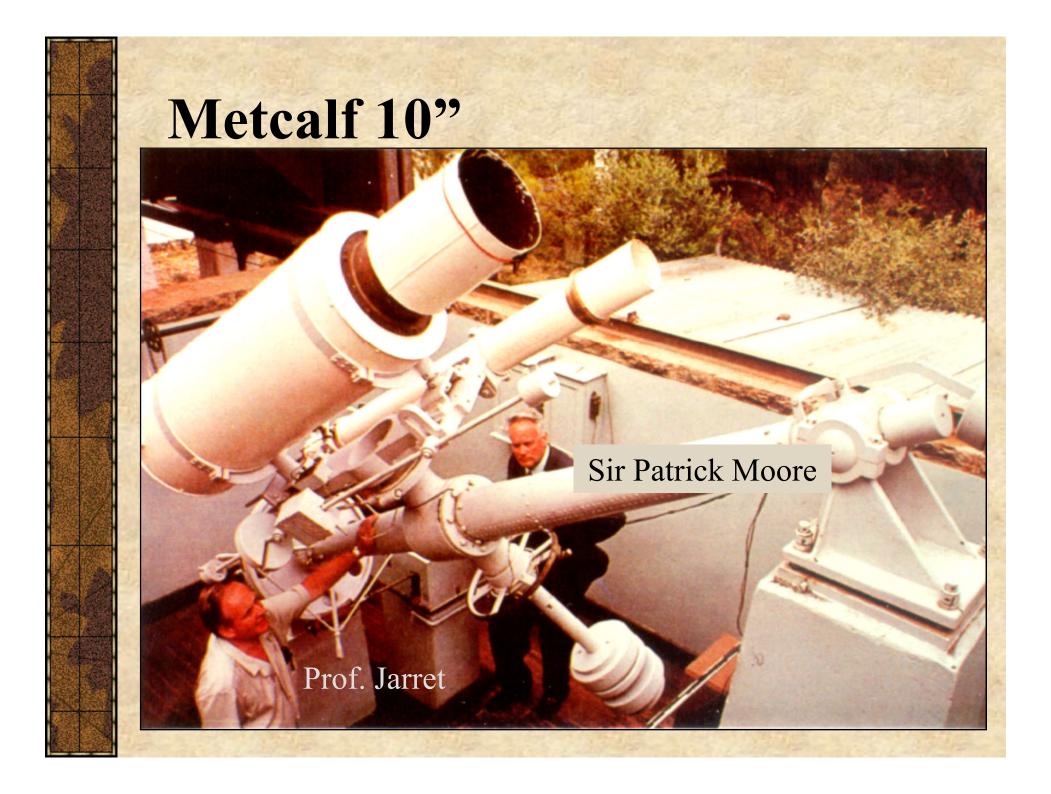


# Research









### The Limits of our Galaxy



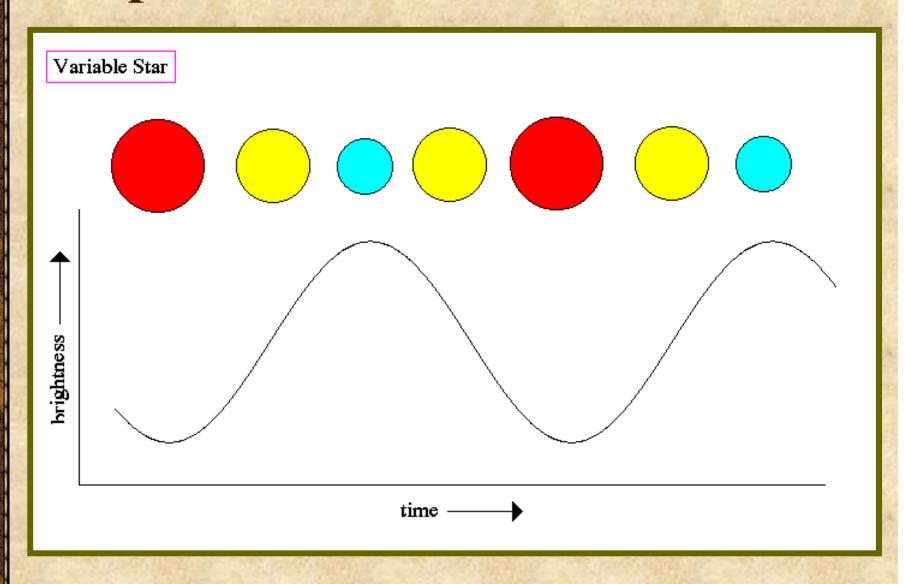
### The Female Computer

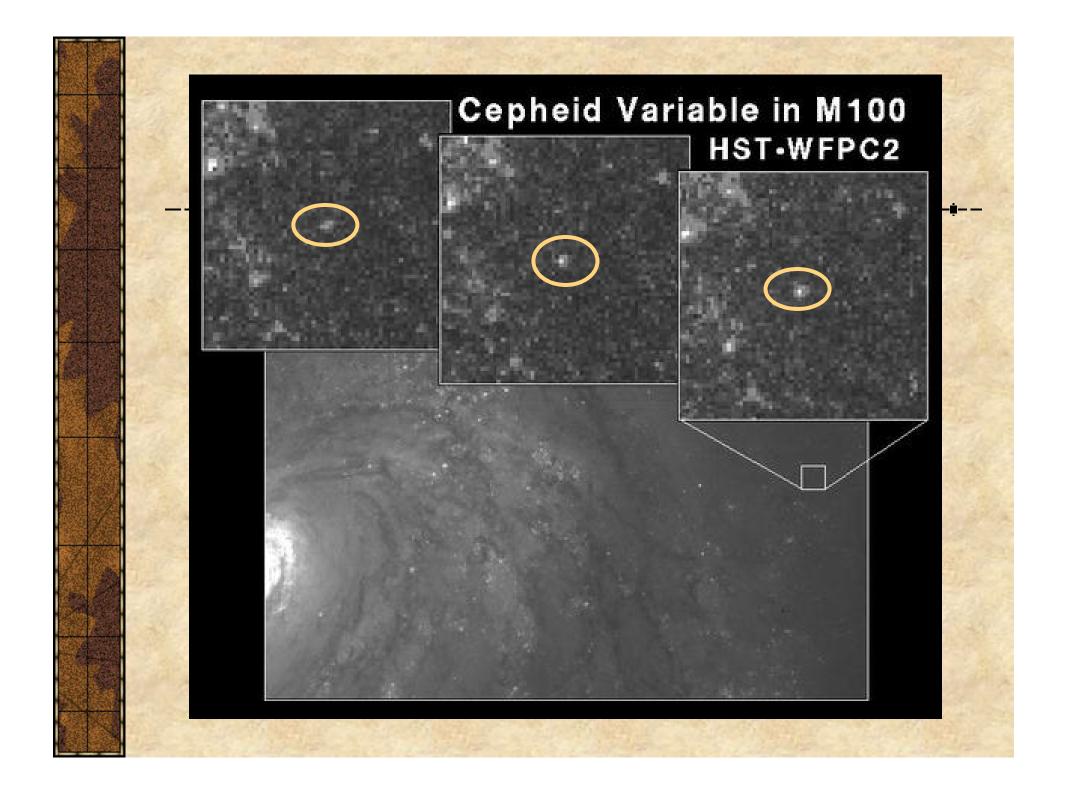


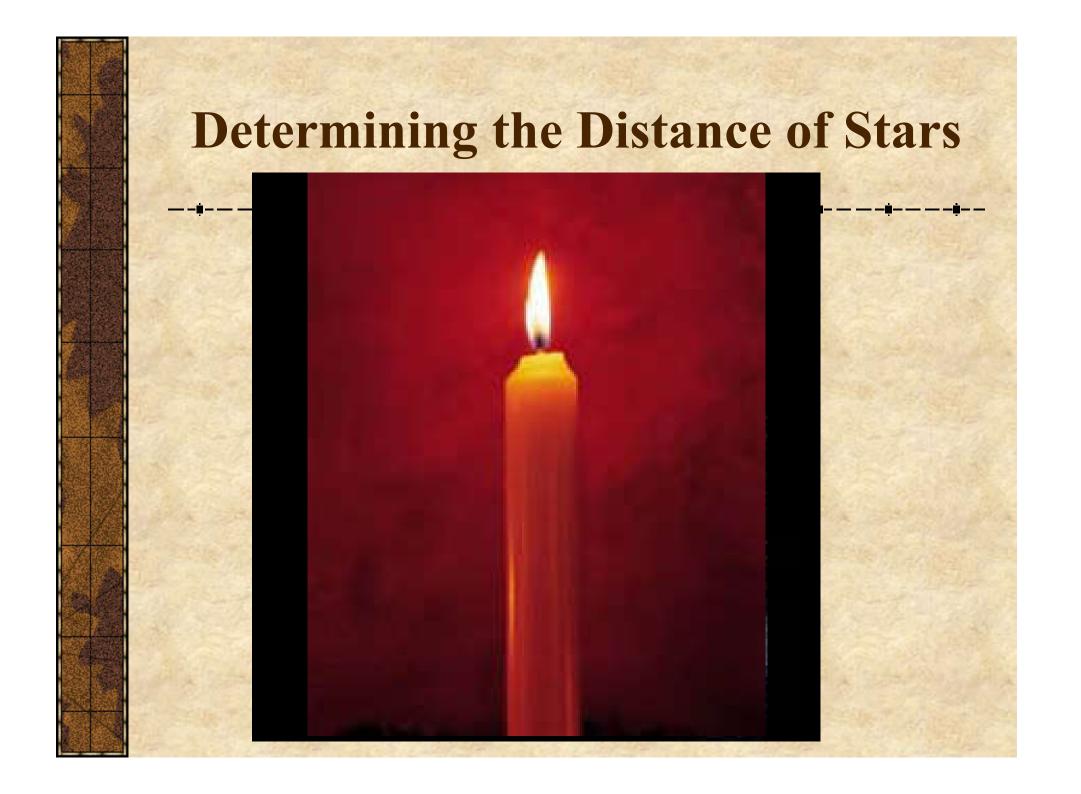
### Henrietta Leavitt

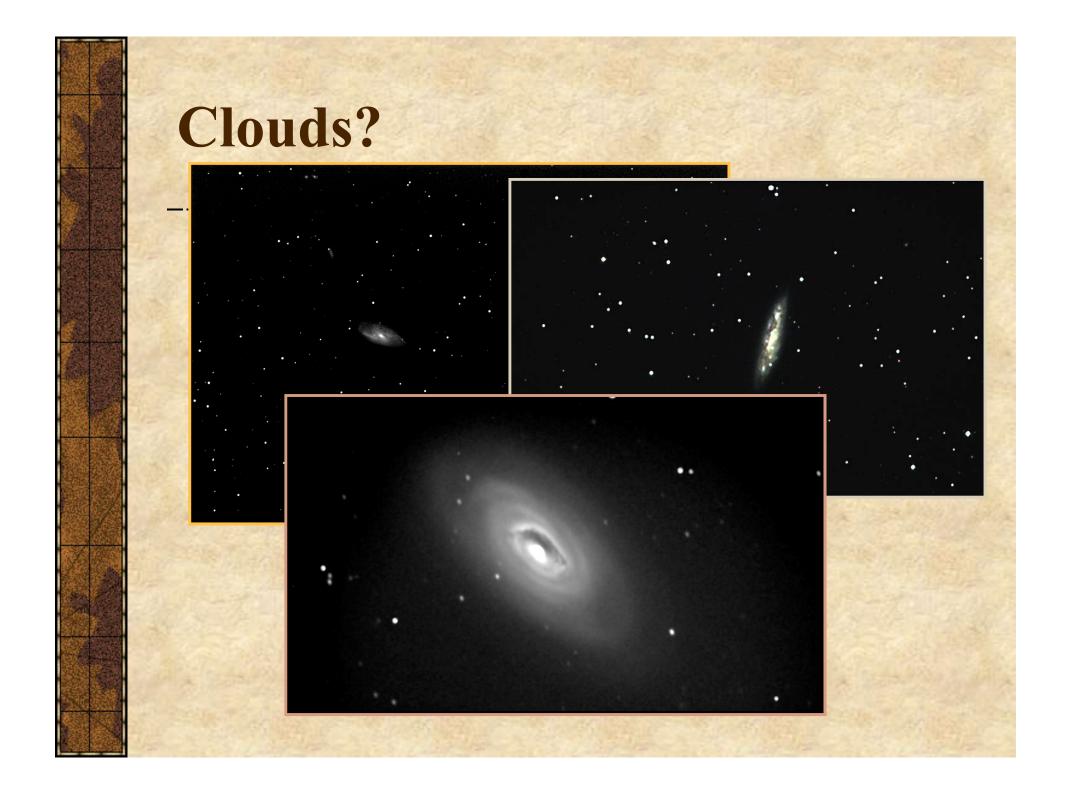


### Cepheid Variable Star



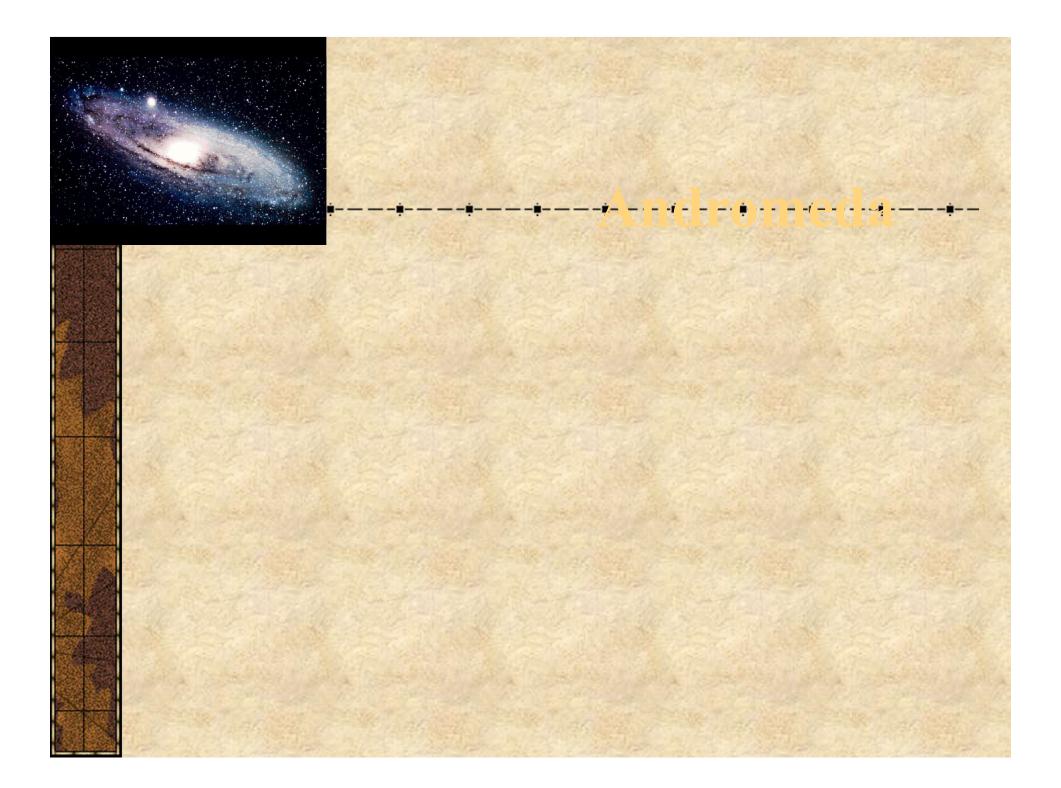


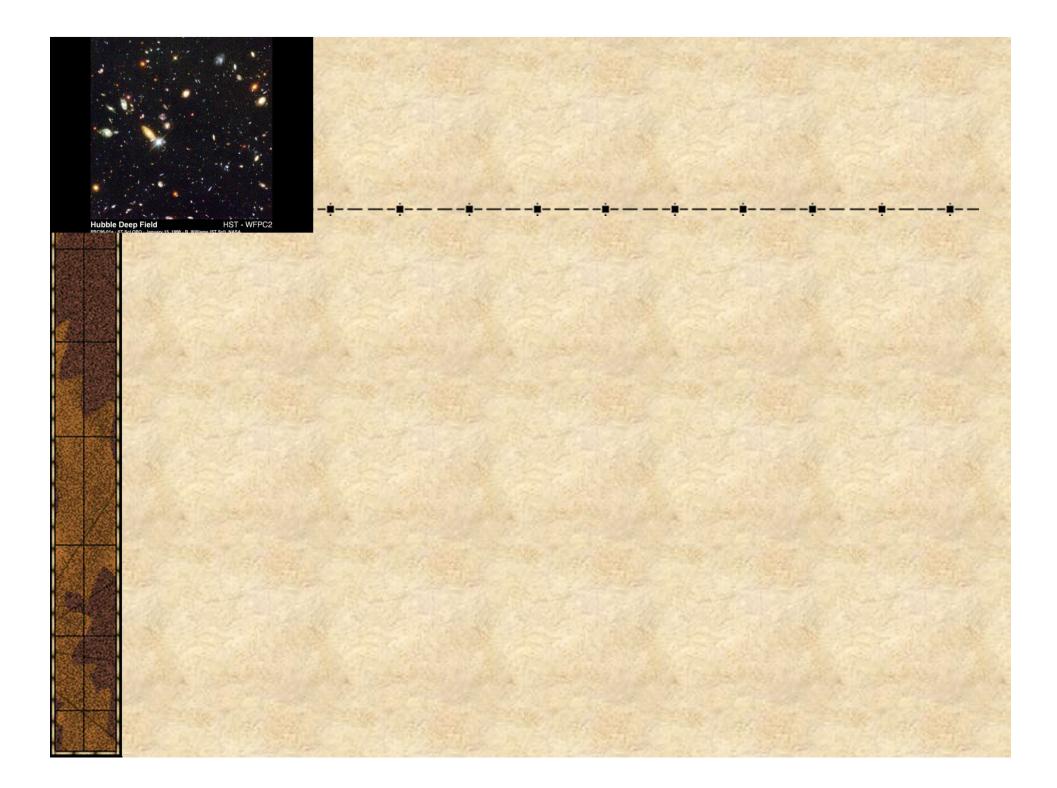




## Edwin Hubble







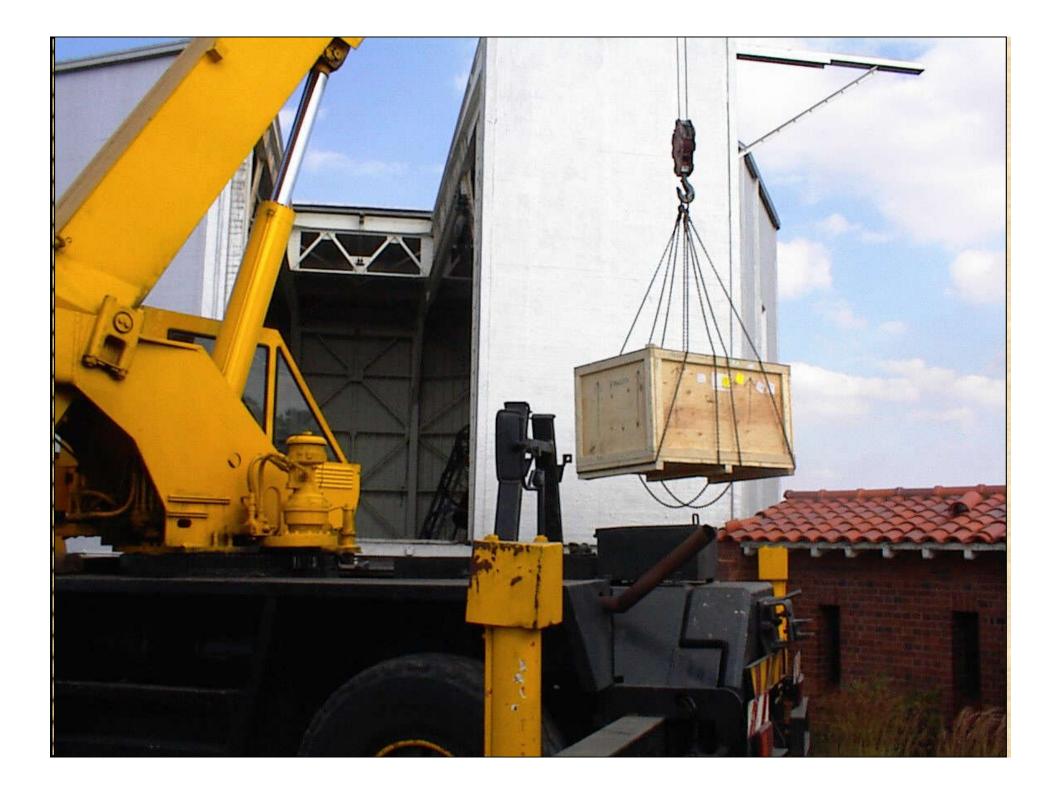
## Present Day Research:

★ Search for Exoplanets





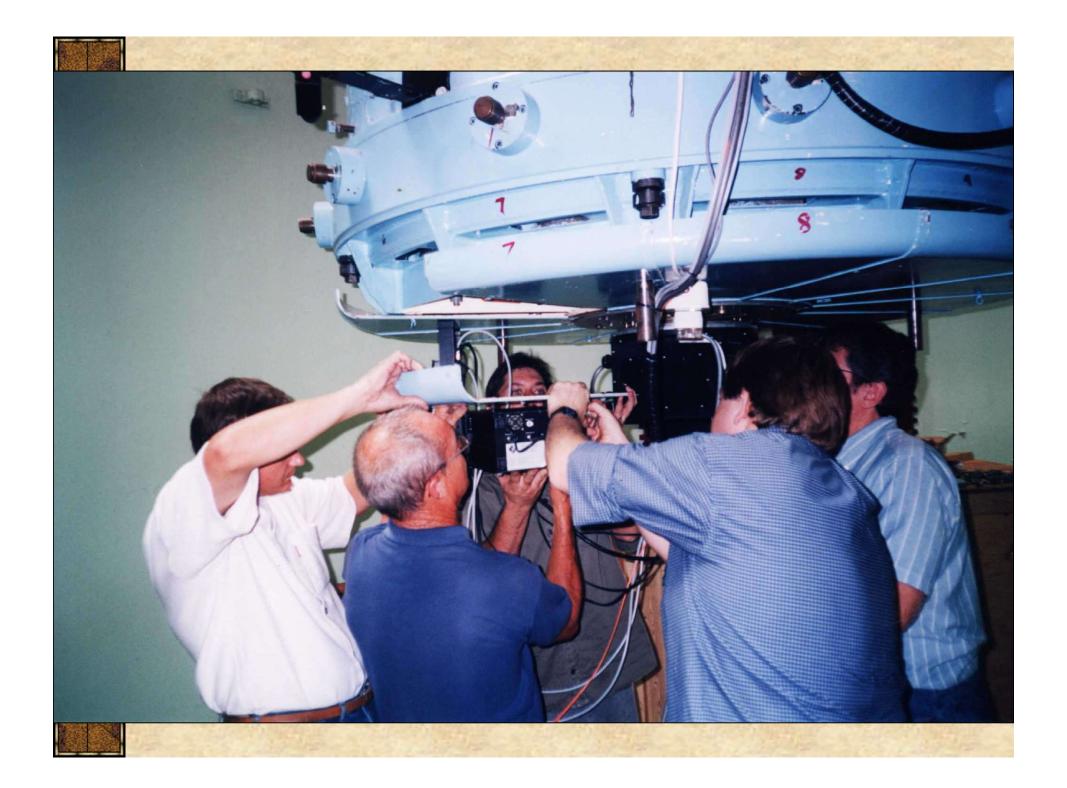


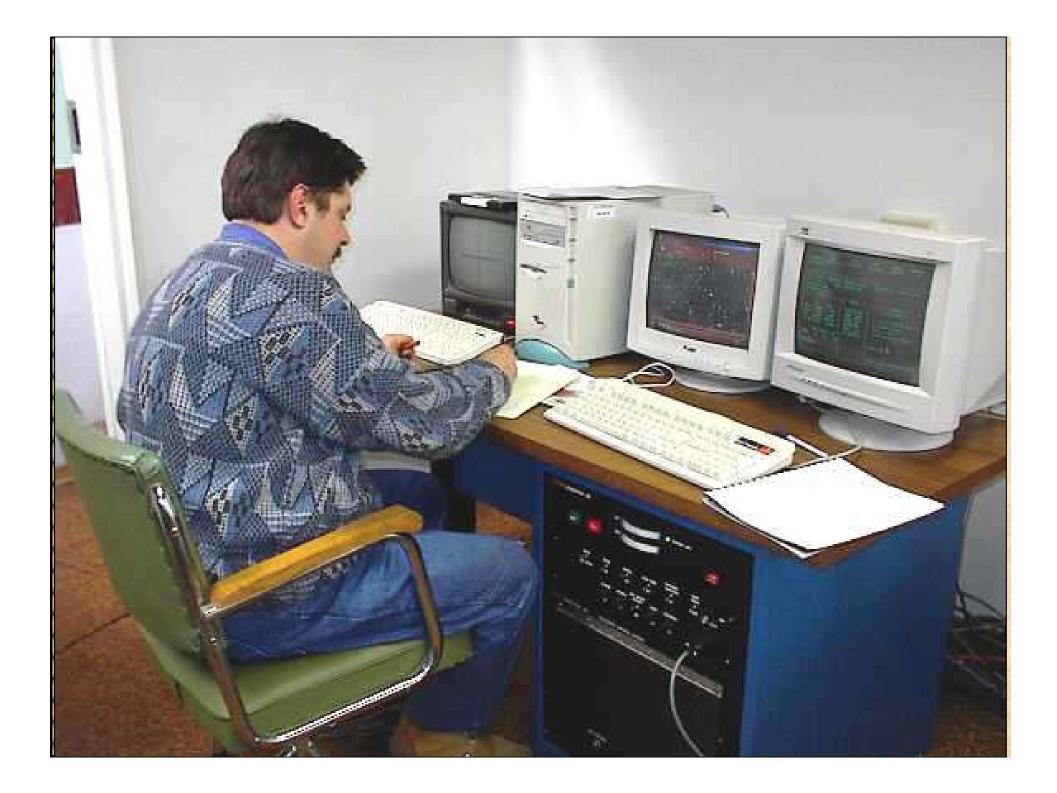








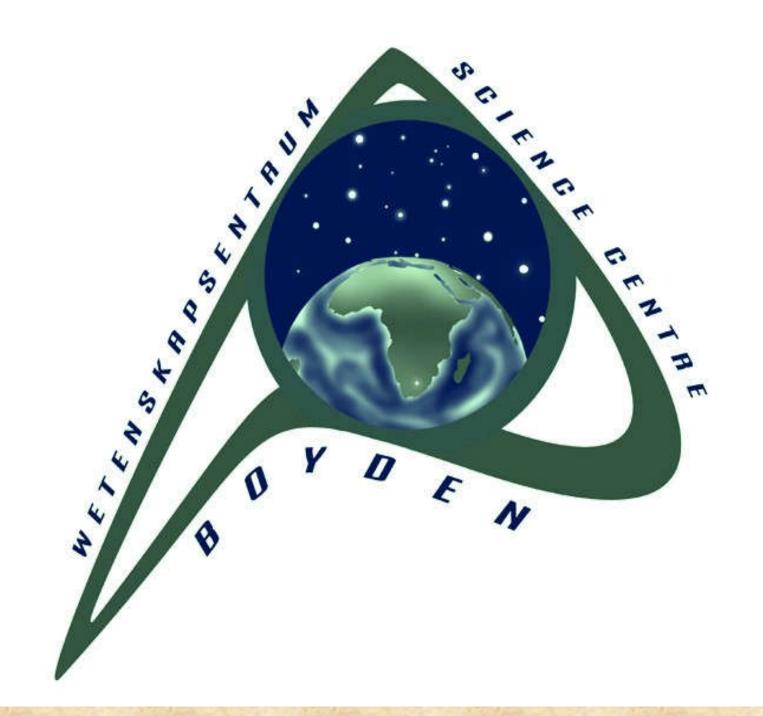






# ...let us introduce it to the its inhabitants...

# Boyden Science Centre





The first groups arrive. Grade 11 and 12 learners from Botshabelo



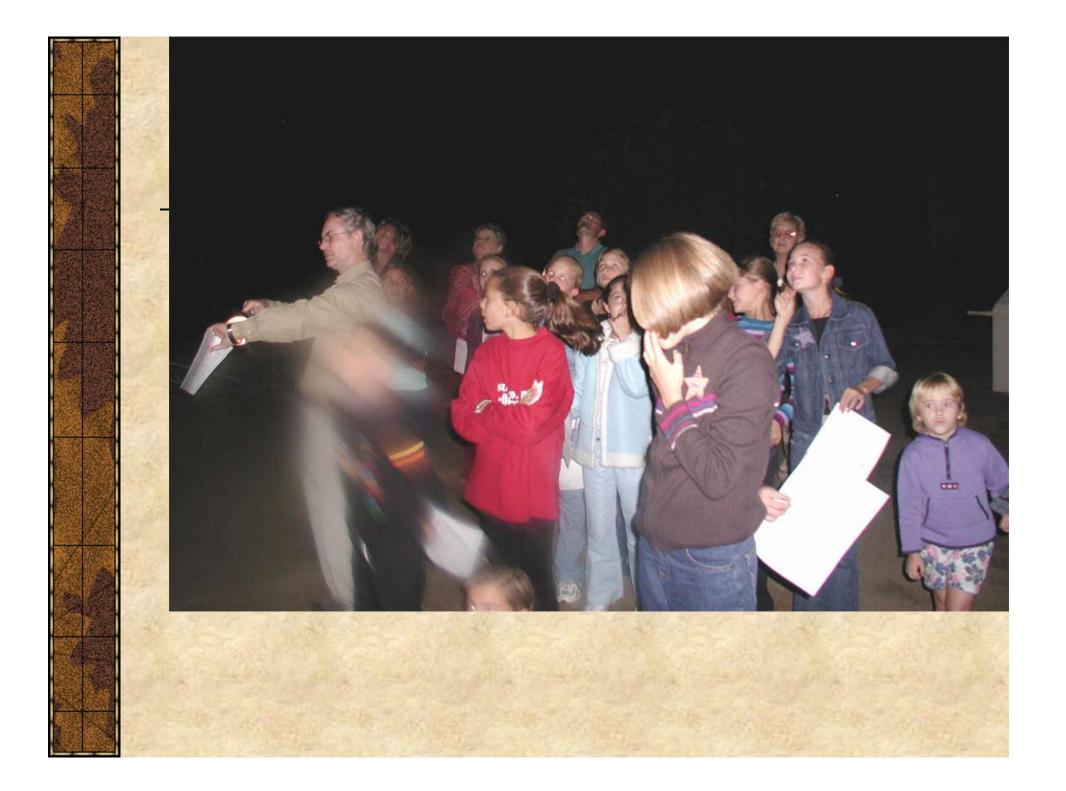
The 13" telescope aimed at Jupiter



Learners from CBC Bloemfontein waiting on the auditorium while some test the propagation of sound through the sound pipe



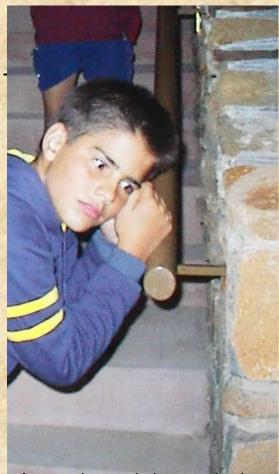
CBC learners being fascinated in the auditorium by a spectacular DVD on the Wonders of the Universe



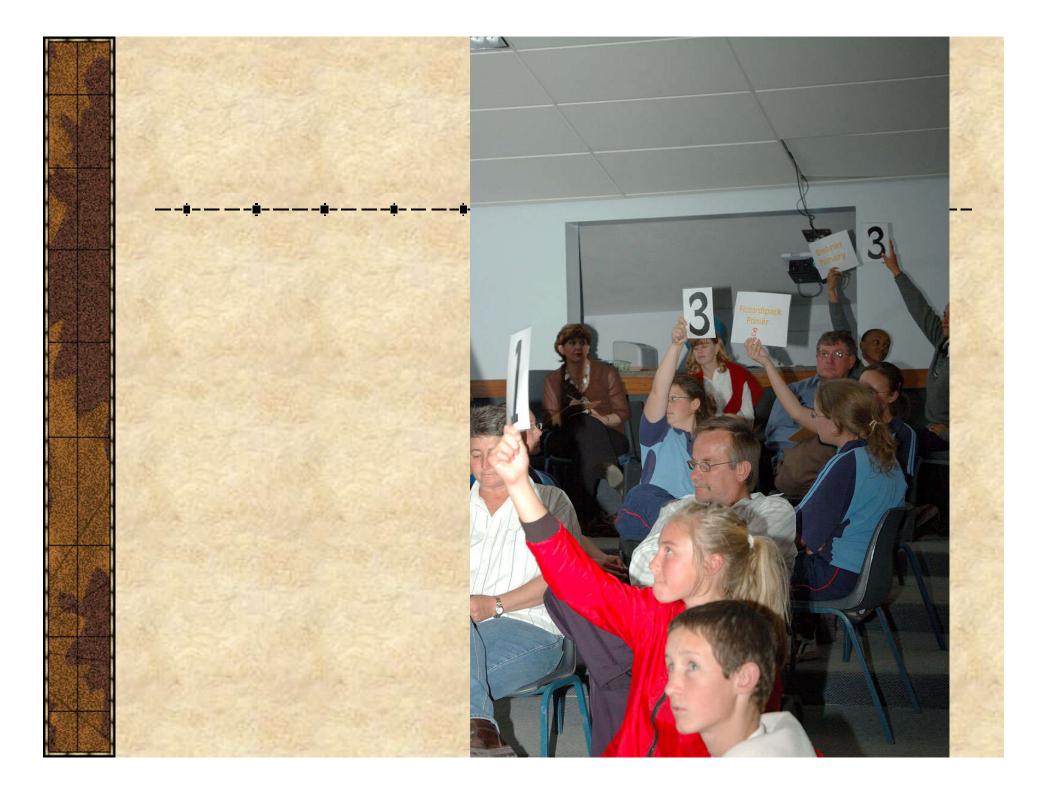




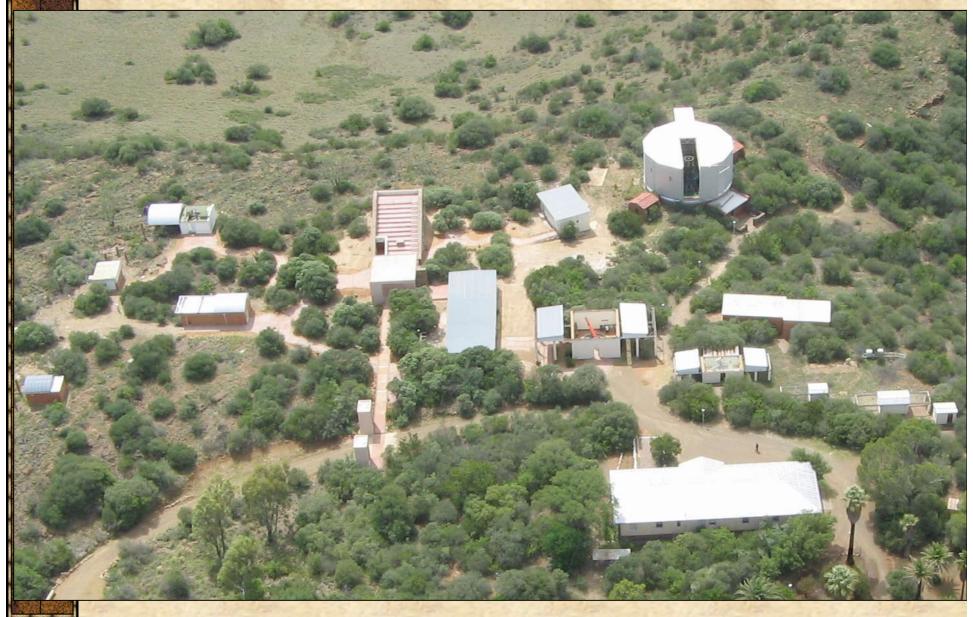
The solar telescope being used for a calculation on the size of sun spots



A young learner being surprised on the propagation of sound though a pipe all around the auditorium



# **Boyden Today**





### Here's to the future ...

