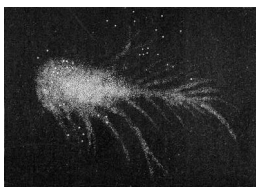




Lesi lishombhwe asibubeki neze njengomdwebo kaLord Rosae, Yize kunjalo, kuyabonakala ukufana kwaso naleso esezipopolu ihlubbile esikwisihlangabezza salenowajana.



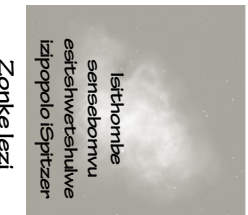
**Ngezantsi:** Iishombhwe sokuqala somqongo inkalankala sahwetshulwa ngu-Issaac Roberts, uzihlelwe kaGqayinyanga ophinde abe ngumakhi onqumwelesi ngo-1892 esebenzisa izipopolu ezivu-500cm ububanzi



Umdwebo wokuqala ngqa walento kaLord Rosae ka-1844 ngendlela eyayibukela ngayo kwizipopolu zakhe ezaziwu-90 cm ububanz. Lomdwebo uwo owadala ukuthi lento iqanjwe nge "Nkalankala" (Yize ibukela sabhungezi thizeni).

Iishombhwe sehwhetshulwa eFermi

Zonke lezi izithombhwe zikhombhisa umqongo inkalankala



Ishafulo eshwetshulwe iVLA



Inxamagu eshwetshulwe iChandra

Inxamagu: Nkandla Mzambiso  
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**Indlela eyakhushululwa ngayo**

Lento yakhushululwa nguzihlelwe kaGqayinyanga yamaNgesi, uJohn Bevis ngo-1751. Yaphinde futshi yakhushululwa nguCharles Messier wamaFulenshi, lapho ayebhaka khona ubhaqanyazi lukaHalley olwalilindeleke ukuthi luvale futshi ngo 1758. Ngoba lento yayiringanyakazi, kwakungeke kube ubhaqanyazi.

uMessier wayinla njengeyokuqala kwisiqogelelo sakhe semiqongo kanye nezishomo ukuze angayiphambhanis nobhaqanyazi.

Ngabo-1800, uWilliam Herschel wayibona kaningi lento ngezzipopolu zomkhathi ezinkulu, waphetha ngokuthi iwmibuttho wezinkanyezi. Ekudluleni kwethulwuminyaka, inhlololukhanya yayo yakhombhisa ukuthi kwakungesivo umbuthelo wezinkanyezi. Kepha kwakuumqongo woqobo, wenzwe ngohowo olwaluhonyozekileyo.

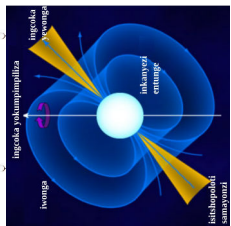
**Isidlanguzela**

**Ngo-1934, uBaade kanye noZwicky baphakamisa ukuthi loluhlobo lokuquma kungenzeka lapho inkanyezi ejwayelekile isiguquka iphenduka iba ileyo enobubanzi obuncane kanye nesiminyo esikhulu. Into edala lenguquko yayingakaqondisiswa.**

**Ngo-1957, uBurbridge, uFowler & noHoyle bachaza kumhela onsika ukuthi kwenzeka kanjani ukuthi ingaphakathi elishisa kakhulu lezinkanyezi ezinkulu, izinhlwa zilokhu ziguquka ziba ilezo ezinkulu kuze kube indeni igcine isiphenduke insimbhi. Lokhu kulandela ukumfinyozeka okushesha ngalendla yokuthi kudaleka ubuyiselotho olujikjela izihalalazi zenkanyezi emkhathini.**

Lapho kwenzeka ukubhoqoka komnyondo okudala inkanyezi, isivini sokumpiliza sikhula ngendlela emangalisayo ngoba inkanyezi isuke isihongqobele.

Lokhu kuyefana nalokho okwenzeka lapho umehleli empiliza nezingalo zakhe zivulekile ebese eyazigona ezisa ngaseesifubeni: umpiliza kakhulu kunasekuqaleni.



Lapho inkanyezi impiliza, isitehopoloti eshayela ubuso bomhlaba, amagama amayonzi, agabeke ngokulinganayo esikhathini ayahlonzeka emhlabeni.

**Unyazima inkalankala**

**Ngeminyaka ye-1960, oGqayinyanga babona into eyengajwayelekile, isikhafulo esasinyazimayo emkhathini. Bakhombhisa ukuthi lezi izikhafulo zazisuka kwinto esemkhathini. Loluhlobo lwezikhafuli lwaqanjwa ngezinyazima. unyazima inkalankala lwalungnyazima lokuqala ngaba ukuthi lufukululwe.**

**HKowa emva kwesikhathi kwabe sekuqondisiswa ukuthi lezi izikhafulo kaziphumi neze kwinto eryazimayo, kodwa zaziqhamuka kwinkanyezi entunge eyayimpiliza ngendlela eyisimanga, ekhafula amayonzi kwiziteshopoloti ezimbhili ezincane. Lezi iziteshopoloti zazishanela emkhathini lapho inkanyezi impiliza, kuhle kwesihlomo semikhumbhi.**

Impilo yenkanyezi iwumdoniswano phakathi kweziphonji ezimbili:

- **uMnyondo** oyimfinyozayo
- **kanye neeindlezi** esidala ukulwiza.

Endeni yenkanyezi, izinhlwayana zenzi ziyahlalanga zikhijize ezinesindo esikhulu. Lokhu kukhijiza impempeku kanye nesificzali sokulwiza. Lapho khona isivamela, indeni yenkanyezi iyamfinyozeka okudala ukuthi amazinga okushisa ayo akhuphuke ebese kuqhubeka ukuthathwa kwamaenzi.

