

A. Vibert Douglas

Student Relations

A.Y. D's Student's <sup>(2)</sup>  
Notebooks (ii)

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Box 2

File 27

Physics IB

D. L. Guignard

Arts '39

References to the Stars.

# The Bible.

Genesis 1:16.

And God made two great lights: the greater light to the day, and the lesser light to rule the night: he made the stars also.

Genesis 22:17. [Abraham

That in blessing I will bless thee, and in multiplying I will multiply thy seed as the stars of the heaven, and as the sand which is upon the sea shore.

Genesis 15:5 And he brought him forth abroad and said,

Look now toward heaven, and tell the stars if thou



him forth abroad and said.

Look now toward heaven,  
and tell the stars, if thou  
be able to number them:  
and he said unto him, so  
shall thy seed be.

Genesis 26: 4.

And I will make thy seed  
to multiply as the stars of heaven.

Genesis 37: 9.

Behold, I have dreamed a  
dream more; and behold, the  
sun, and the moon and the  
eleven stars made obeisance  
to me.

Joshua 10: 12; ... 14.

Then spake Joshua to the  
Lord in the day when the Lord  
delivered up the Amorites



before the children of Israel,  
and he said in the sight  
of Israel, Sun, stand thou  
still upon Gibeon; and  
thou, Moon, in the valley of  
Ajalon. And the sun stood  
still, and the moon stayed,  
until the people had avenged  
themselves upon their enemies.  
Is not this written in the  
book of Jasher? So the sun stood  
still in the midst of heaven,  
and hasted not to go down  
about a whole day. And  
there was no day like that

before it or after it, that  
the Lord hearkened unto  
the voice of a man: for  
the Lord fought for Israel.

Job 3: 9.

Let the stars of the  
twilight thereof be dark.

Job 9: 7

Which [God] commandeth  
the sun, and it riseth not;  
and sealeth up the stars.  
9. Which maketh Arcturus,  
Orion, and Pleiades, and  
the chambers of the south.

Job 38: 31, 32.

Canst thou bind the sweet  
influences of Pleiades, or loose  
the bands of Orion?

Canst thou bring forth  
Mazzaroth (the twelve signs)  
in his season? or canst thou  
guide Arcturus with his sons?

Isaiah 40:12.

Who hath measured the waters  
in the hollow of his hand, and  
meted out heaven with the span,  
and comprehended the dust of the  
earth in a measure, and weighed  
the mountains in scales, and  
the hills in a balance?

Psalms 136:5

Who canst thou bring forth  
Mazzaroth with light, in a  
season, and thou shalt not be  
found out?



like a curtain.

Matthew 2:1, 2, 7, 9, 10.

Now when Jesus was born in Bethlehem of Judaea in the days of Herod the King, behold, there came wise men from the east to Jerusalem, saying, Where is he that is born King of the Jews? for we have seen his star in the east, and are come to worship him.

.....

Then Herod, when he had privily called the wise men, inquired of them diligently what time the star appeared.

.....

When they had heard the king, they departed: and, lo, the star, which they saw in the east,

went before them, till it came  
and stood over where the young child  
was. When they saw the star, they  
rejoiced with exceedingly great joy.

Acts 28:11

And after three months we  
{Paul etc} departed in a ship of  
Alexandria, which had wintered  
in the isle, whose sign was  
Castor and Pollux.

2nd Peter 1:19

We have also a more sure word of  
prophecy; whereunto ye do well that  
ye take heed, as unto a light  
that shineth in a dark place, until

the day dawn, and the day  
star arise in your hearts

Revelation 22:16.

I am the root and the off-  
spring of David, and the bright  
and morning star.

Edgar Allan Poe's "To Science"  
Science! True daughter of old Time  
than art!

Who alterest all things with thy  
peering eyes.

Why preyest thou thus upon the  
poet's heart,

Vulture, whose wings are dull realities?  
How should he love thee? or how deem  
thee wise,

Who wouldst not leave him in his  
wandering





The summer beam beneath the ... from me

Of molten stars their pavement,  
such as fall  
Thro' the eth'ral air besilvering the pall  
Of their own dissolution, while they dis-  
adorning them the dwellings of the  
sky.

And Milton

Some star, which, from the ruined  
roof  
Of shak'd Olympus, by mischance  
did fall.

To Keble, Poe again, referring to "eyes"  
They fill my soul with beauty (which  
is Hope),

And as far up in Heaven - the stars  
I kneel to  
In the sad silent watches of the  
night;

While even in the meridian  
glare of day,  
I see them still - two sweetly scintillant  
Venuses, unextinguished by the sun!

George Herbert

"The Church Militant"

Yet as the sun, though forward  
be his flight,  
Listens behind him, and allows some  
light,

Till all depart; so went the Church  
her way,

Letting, while one foot stapt, the other stay  
Among the Eastern nations for a time,  
Till both removed to the Western clime.

"To the Queen of Bohemia"

No court a path into the heart



"To the Queen of Bohemia"

No earth can be thy jointure, for the sun  
And stars alone unto the pitch do run  
And pace of thy swift virtues; only they  
Are thy dominion. . . . . [their light,  
And though stars shot from Heaven lose  
Yet thy brave beams, excluded from  
their light,  
Maintain their lustre still, and shining  
clear  
Turn watery Holland to a crystalline  
sphere.

"Divinity"

- Men, for fear the stars should  
sleep and nod,  
And trip at night, have spheres supplied.

Robert Burns "Tam O'Shanter"

But pleasures are like poppies spread,  
You seize the flower; its bloom is shed;  
Or like the borealis race,  
That flit ere you can point their  
place;

Byron "Mazeppa"

- and night,

Without a star, pursued her flight,-

Dark as above us is the sky;

But through it stole a tender

light,

Like the first moonrise of midnight;

We sped like meteors through  
the sky,  
When with its crackling sound  
the night  
Is checker'd with the northern  
light.

---

Some streaks announced the coming  
sun—

How slow, alas! he came!

methought that mist of dawning gray  
Would never clapple into day;  
How heavily it roll'd away—  
Before the eastern flame  
Rose crimson, and deposed the stars,  
And called the rabiners from their cars,  
And filled the earth, from his deep throne,  
With lovely lustre, all his own.



Jennyson "Enoch Arden"

The great stars that globed  
themselves in Heaven.

The Bible Psalm 19; 4, 5.

The Sun, which rejoiceth as a  
strong man to run a race.

1 Cor. 15: 41 , 40

One glory of the sun, another glory  
of the moon, and another glory  
of the stars; for star differeth  
from star in glory.

There are also celestial bodies,  
and bodies terrestrial: but  
the glory of the celestial is one,  
and the glory of the terrestrial is another.

Isaiah 45:12

I, even my hands, have  
stretched out the heavens, and  
all their host have I commanded.

Psalms 147:4

He telleth the number of the  
stars; he calleth them all by  
their names.

Job 22:12

Is not God in the height of  
the heaven? and behold the height  
of the stars, how high they are!

Revelation 8:10,11

And the third angel sounded, and  
there fell a great star from  
heaven, burning as it were a lamp,  
and it fell upon the third part  
of the rivers, and upon the fountains

of waters; and the name of the  
star is called Wormwood.

"Pheclippides" Browning

"No warfare, whatever the odds

In your favour, so long as the moon, half-  
orbed, is unable to take

Full-circle her state in the sky!

"Caliban Upon Setebos," Browning  
Setebos, Setebos, and Setebos!

'Thinketh, He dwelleth i' the cold o' the  
moon.

'Thinketh He made it, with the  
sun to watch.

But not the stars; the stars came

sun to watch.  
But not the stars: the stars come  
otherwise,

Only made clouds, winds, meteors,  
such as that:  
Also this isle, which lives and grows  
thereon,  
And snaky sea which rounds and  
endeth same

"An Epistle" Browning  
Some charm . . . . .

Able to bid the sun that wide and  
burst  
All into stars, as suns grow old  
all world.

Shakespeare "The Tempest"  
Act I Scene 2

And by my procience  
I find my zenith doth depend upon  
A most auspicious star, whose influence  
I now I court not but must in time

References to Stars etc.  
in Shelley's Queen Mab.

... .. the fair star  
That gems the glittering coronet  
of morn,

Sheds not a light so mild, so  
powerful,

As that which, bursting from  
the Fairy's form,

Spread a purpureal halo round  
the scene.

" " "  
Stars! your balmy influence  
shed!

" " "  
The night was fair, and  
countless stars

Studded Heaven's dark blue  
vault, -

Just o'er the eastern wave  
Peeped the first faint smile  
of morn:

---

Seemed it, that the chariot's way  
Lay through the midst of an  
immense concave,

Radiant with million constellations,  
tinged

With shades of infinite colour,  
And semicircled with a belt  
Flashing incessant meteors.

---



And surrounded with a sea  
Flashing incessant meteors.

earth

Appeared a vast and shadowy  
sphere;

The sun's unclouded orb  
Rolled through the black concave;  
Its rays of rapid light  
Parted around the chariot's swift  
course,

And fell, like ocean's feathery  
spray

Dashed from the boiling surge  
Before a vessel's prow.

The magic car moved on.

Earth's distant orb appeared  
The smallest light that twinkled  
in the heaven;

Whilst round the chariot's way  
Innumerable systems rolled,

And countless spheres diffused  
An ever-varying glory.

It was a sight of wonder: some  
Were horned like the crescent moon;  
Some shed a mild and silver  
beam

Like Ixperius o'er the western  
sea;

Some dashed athwart with  
trains of flame,

Like worlds to death and ruin  
driven;

Some shone like suns, and, as  
the chariot passed,

Eclipsed all other light.

It will do but never had the stars

The chariot passed,  
Eclipsed all other light.

If solitude hath ever led thy steps  
To the wild Ocean's echoing shore,  
And thou hast lingered there,  
Until the sun's broad orb  
Seemed resting on the brumialed  
wave,

Thou must have marked the lines  
Of purple gold, that motionless  
Hung o'er the sinking sphere:  
Thou must have marked the  
billowy clouds  
Edged with intolerable radiancy  
Towering like rocks of jet  
Crowned with a diamond wreath.  
And yet there is a moment,  
When the sun's highest point  
Peeps like a star o'er Ocean's  
western edge,

When those far clouds of feathery  
gold  
Shaded with deepest purple,  
gleam  
Like islands on a dark blue sea;  
Then has thy fancy soared above  
the earth,  
And furled its wearied wing  
Within the Fairy's fan.

---

The Fairy and the Spirit  
Approached the overhanging  
battlement. —

Below lay stretched the universe!  
There far as the remotest line

That bounds imagination's flight,  
Countless and unending orbs  
In mazy motion intermingled,  
Yet still fulfil immutably  
Eternal Nature's law.

Above, below, around,  
The circling systems formed  
A wilderness of harmony;  
Each with undeviating aim,  
In eloquent silences, through the  
depths of space  
Pursued its wondrous way.

---

How beautiful this night! the  
balmyest sigh,  
Which vernal zephyrs breathe in  
evening's ear,  
Were discord to the speaking

quietude

That wraps this moveless scene.

Heaven's bow vault,

Studded with stars unutterably  
bright,

Through the moon's unclouded  
grandeur rolls,

Seems like a canopy which love  
had spread

To curtain her sleeping world.

— " — " —

Ah! whence you glare  
That fires the arch of Heaven?—

that dark red smoke  
Blotting the silver moon? The stars

are quenched

In darkness and the pure and



are quenched  
In darkness, and the part and  
spangling snow  
Gleams faintly through the storm  
That gather round!  
Hark to that roar, whose swift  
and deafning peals  
In countless echoes through the  
mountain's ring,  
Startling pale midnight on  
her stony throne!

— " — " —  
How many a Newton, to whose  
passive ken  
Those mighty spheres that gem  
infinity  
Were only specks of tinsel, fixed

To light the midnights of his  
native town!

---

How sweet a scene will earth  
become!

Of purest spirits a pure dwelling-  
place,

Symphonious with the planetary  
spheres:

When man, with changeless  
Nature coalescing,

Will undertake regeneration's  
work,

When its ungenial poles no  
longer point

To the red and baleful sun

longer period  
To the red and baleful sun  
That faintly twinkles there.

---

Religion! but for thee, politic  
friends,

Who peopled earth with demons,  
Hell with men,

And Heaven with slaves!

Thou taintest all thou look'st  
upon! — the stars,

Which on thy cradle beamed so  
brightly sweet,

Were gods to the distempered play-  
fulness

Of thy untutored infancy: the  
trees,

The grass, the clouds, the mountains,  
and the sea,

all living things that walk,  
swim, creep, or fly,  
Were gods: the sun had homage,  
and the moon  
Her worshippers.

---

" " " "  
The eternal orbs that beautify the  
night,  
The sunrise, and the setting of the  
moon,  
Earthquakes and wars, and poisons  
and disease,  
And all their causes, to an abstract  
point  
Converging, then ~~just~~ bend and skull  
at God!

---

at last!

Throughout these infinite orbs of  
mingling light,  
Of which your earth is one, is wide  
diffused  
A spirit of activity and life.

The vast and fiery globes that  
rolled  
around the Fairy's palace - yet  
lessened by slow degrees and  
some appeared  
Such tiny twinklers as the planets  
orbs  
That there attendant on the solar  
power  
With borrowed light pursued their  
narrower way.

M. Alena Walcott.

Arts '37.

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Quotations : References to Astronomy

1.

"And thee I call, thou light of golden day,  
Thou Sun, who drivest on thy  
glorious car."

- Ajax by Sophocles.

2.

"Surely the Sun has labour all his days,  
And never any respite, steeds nor god,  
Since Eos first, whose hands are rosy rays  
Ocean forsook, and Heaven's high  
pathway trod;

At night across the sea that wondrous bed  
Shell-hollow, beaten by Hephaistos' hand,  
Of winged gold and gorgeous, bears  
his head

Half-waking on the wave, from eue's  
red strand

To the Ethrop shore, where steeds and  
chariot are,

Keen-mottled, waiting for the Morning Star."

- War Fragment of  
Mimnermus of Colophon.

3.

"Morn in the white wake of the  
morning star

Came furrowing all the orient into gold"  
- The Princess (Part 3) by Tennyson

4.

"By this the Northerne wagoner had set  
His sevenfold terme behind the stedfast  
starre

That was in Ocean waves yet neuer wet,  
But firme is fixt, and sendeth light  
from farre

To all, that in the wide deep wandring  
are :

And chearfull Chaunticlere with  
his note shrill

Had warn'd once, that Phoebus'  
fiery carre

In hast was climbing up the  
Easterne hill,

Full envious that night so long his  
roome did fill."

- Faerie Queene by Spenser  
Book I, Canto 2, Stanza 1.

5.

"Now while the Heav'n by the Sun's  
team untrod  
Hath took no print of the approaching  
light,

And all the spangled host keeps  
watch in squadrons bright

- On the Morning of Christ's  
Nativity by Milton.

6.

"There's another star gone out, I think!"  
-----

the sun takes up some years  
for every ray  
to reach its goal"

- The Vision of Judgment  
by Byron.

7.

"The golden sun salutes the morn,  
And, having gilt the ocean with  
his beams,

Lallops the zodiac in his glistening coach."

- Titus Andronicus II: 1: 5-7

" - - - - Away! fly, fly! -  
 Crystalline brother of the belt of heaven,  
 Aquarius! to whom King Jove has given  
 Two liquid pulse streams instead of  
 feather'd wings,  
 Two fan-like fountains - shine illuminating  
 For Dian's play:

Castor has tamed the planet Lion, see!  
 And of the Bear has Pollux mastery:  
 A third is in the race! who is the third,  
 Speeding away swift as the eagle bird?  
 The tramping Centaur!  
 The Lion's mane's on end: the Bear  
 how fierce!

The Centaur's arrow ready seems to <sup>pierce</sup> a  
 Some enemy; far forth his bow is bent  
 Into the blue of heaven. He'll be shent  
 Pale Unrelenting,  
 When he shall hear the wedding lutes, <sup>a-playing.</sup>  
 Andromeda! sweet woman! why delaying  
 So timidly among the stars.  
 - Endymion by Keats.

9.

"Many things Nokomis taught him,  
Showed the broad white road to heaven,  
Pathway of the ghosts, the shadows,  
Running straight across the heavens."  
- Hiawatha by Longfellow.

10.

"The Sunne that measures heaven  
all day long,  
At night doth baite his steeds  
The Ocean waves among."  
- Faerie Queene by Spenser  
Book I, Canto 1, Stanza 32

11.

"He knew by nature each ascension of  
The equinoxial circle arched above,  
For when fifteen degrees had been  
ascended,  
He crowed, so that it could not be  
amended."  
- The Nun's Priest's Tale  
by Chaucer.



12.

"The Star that bids the Shepherd fold,  
Now the top of Heav'n doth hold,  
And the gilded Car of Day,  
His glowing Axle doth allay  
In the steep Atlantick stream,  
And the slope Sun his upward beam  
Shoots against the dusky Pole,  
Pacing toward the other pole  
Of his chamber in the East."

- A Mask by Milton  
ll. 93 - 101.

13.

"Who guides the frozen and  
inconstant Moon"

- Prometheus Unbound by Shelley

14.

"But still the whirling courses of the Bear  
Bring grief and joy in turn,  
For neither does the spangled night  
remain, [with men"]

Not the dark fates nor wealth abide,  
- Women of Trachis  
by Sophocles.



15.

"Now gan the golden Phoebus for to  
steepe

His fierie face in billows of the west,  
And his faint steeds wated  
in Ocean deepe,

Whiles from their journal labours  
they did rest."

- Faerie Queene by Spenser  
Book I, Canto xi, Stanza 31.

16.

"The stars are sinking from the skies,  
The rising Pleiads show the approach  
of day; [throws;

See, the pale moon a fainter lustre  
the dawn is nigh, the dawn appears.

See you yon star the heavens adom?

'Tis the bright harbinger of morn,  
New risen, his gold-encircled head  
he rears."

- Rhesus by Euripides

17.  
"Blue Proteus and his humid  
nymphs shall mark  
the shadow of fair ships, as  
mortals see  
the floating bark of the light-laden  
moon  
With that white star, its sightless  
pilot's crest,  
Come down the rapid sunset's  
ebbing sea;"  
- Prometheus Unbound by Shelley

18.  
"Thou chief star!  
Centre of many stars! which  
mak'st our earth  
Endurable, and temperest the hues  
And hearts of all who walk  
within thy rays!"  
- Manfred by Byron.

19.

" - - - ; but list, I hear  
The small, clear, silver lute of the  
young spirit  
that sits i' the morning star.

Thou must away;  
Thy steeds will pause aeven" (sun)  
- Prometheus Unbound by Shelley

20.

"Ye stars! which are the poetry  
of Heaven."

- Childe Harold's Pilgrimage  
by Byron

21.

"The splendours of the firmament of  
time

May be eclipsed, but are extinguished,  
like stars to their appointed height  
they climb."

- Adonais by Shelley.

22.

"I sang of the dancing stars"

- Hymn of Pan by Shelley

"In its bright texture interwoven a sky  
Gathering the stars in its ethereal  
round,

Whilst downward to the western  
wave the sun  
His steeds declines, and to his station  
high

Draws up the radiant flame of  
Heopernus.

Meanwhile the Night, robed in her  
sable stole,

Her unreined car advances; on her state  
The stars attend; the Pleiads mounting  
high, [armed;

And with his glittering sword Orion  
Above, Arcturus to the golden pole  
Inclines; full-orbed the month-divid-  
ing moon

Takes her bright station, and the Hyades  
Marked by the pailor; distant in the rear  
Aurora, ready to illumine the day  
And put the stars to flight."

- Jon by Euripides.

24.

" - - - Methought I lay  
Watching the zenith, where the  
milky way  
Among the stars in virgin  
splendour pours "  
- Endymion by Keats

25.

" We shall become the same,  
we shall be one  
Spirit within two frames, oh!  
wherefore two?  
One passion in twin-hearts  
which grows and grows,  
Till like two meteors of expanding  
flame,  
Those spheres instinct with it  
become the same,  
Touch, mingle, are transfigured:  
ever still  
Burning, yet ever unconsumable: "  
- Epipsyichidion by Shelley



26.

"Night was far spent and now in  
Ocean deepe

Orion, flying fast from hissing snake,  
His flaming head did hasten for  
to steepe"

- Faerie Queene by Spenser  
Book II, Canto II, Stanza 46

27.

"And now faire Phoebus gan  
decline in hast  
His weary wagon to the Western  
vale."

- Faerie Queene by Spenser  
Book II, Canto IX, Stanza 10.

28.

"So when the Sun in bed,  
Curtain'd with cloudy red,  
Pillows his chin upon an  
Orient wave"

- The Hymn by Milton  
Stanza 26.

29.

"Vestue could see to do what  
vestue would  
By her own radiant light, though  
Sun and Moon  
Were in the flat sea sunk."

- A Mask by Milton  
ll. 373 - 375.

30.

"And follow Love's folding star  
To the Evening Land!"

The young moon has fed  
Her exhausted horn  
With the sunset's fire."  
- Songs from Hellas by Shelley.

31.

"The Sun hastned hark his  
face to steep  
In western waves - -"  
- Astrophel by Spenser



32.

"Oft till the Star that rose, at  
Evening, bright  
Toward Heav'n's descent had  
slop'd his westering wheel."  
- Lycidas by Milton, ll. 30-1.

33.

"Thou art speeding round the sun (earth)  
Brightest World of many a one;  
Green and azure sphere which shinest  
With a light which is divinest  
Among all the lamp of Heaven  
To whom life and light is given;  
I, thy crystal paramour,  
Borne beside thee by a power  
Like the polar Paradise  
Magnet-like of lover's eyes;

-----  
Maniac-like around thee move  
Gazing an insatiate bride,  
On thy form from every side."  
- Prometheus Unbound  
by Shelley.

34.(a)

"Et le char vaporeux de la reine  
des ombres  
Monte, et blanchit déjà les  
bords de l'horizon."

- - - (b)  
Que ne puis-je, porté sur le  
char de l'aurore  
Vague objet de mes vœux,  
m'élancer jusqu'à toi!  
- L'isolement by Lamartine

35.

"The golden boss of his buckler  
darts copious fires:  
just as when in a clear night  
the sanguine comets baleful glare"  
- Vergil; *Aeneid*, bk. x  
ll. 272-3.

36.

"When beggars die, there are no comets  
seen. [death of Princes  
the Heavens themselves blaze forth the]"  
- Shakespeare; *Julius Caesar*  
Act 2 Scene 2.

"Hast thou n'er seen the Comet's  
flaring flight?"

Th' illustrious stranger passing,  
terror sheds

On gazing Nations, from his  
fiery train

Of length enormous, takes his  
ample round

Thro' depths of ether; coasts  
unnumber'd Worlds,

Of more than solar glory; doubles  
wide

Heav'n's mighty cape; and then  
revisits earth, [years

From the long travel of a thousand,  
- Young: Night Thoughts, No. 4

"Now shine it like a comet of revenge"

A prophet to the fall of all our foes

- Shakespeare: Henry VI.

Part I, Act 3, Sc. 2.

39.

"Comets signifie corruption of  
the ayre. They are signes of  
earth quakes, of warres, of  
changing of Kingdomes, great  
dearthe of come, yea a common  
death of man and beast."

- Leonard Digges; W. H.  
Smyth Cycle, Vol. 1, p. 231.

40.

"Like the red star, that from his  
flaming hair  
Shakes down diseases, pestilence,  
and war."

- Homer: Iliad, Bk. 29, ll. 380-3

41.

"Comets importing change of times  
and states [sky  
Brandish your crystal tresses to the  
And with them scourge the bad  
revolting stars  
That have consented unto Henry's death."

- Shakespeare: Henry VI.  
Part I, Act I, Sc. 1.



42.

"She is the first to see the Comet  
that menaces the Armerian  
and Parshian King."

- Juvenal: Satirae VI: 407-8.

43.

"As stars with trains of fire and  
dews of blood,  
Disasters in the Sun."

- Shakespeare: Hamlet, Act I, Sc. 1.

44.

"At last, his wonted sabre by his  
side [and rare,  
He girds, of purest steel, antique,  
As with his bloody locks let loose,  
in air,

Horribly bright, the Comet shows,  
whose shine

Plagues the parched world, whose  
looks the Nations scare,

Before whose face States change  
and Powers decline.

To purple Tyrants all, an inauspicious sign."  
- Tasso: Gerusalemme liberata  
Canto VII, Stanza 52.

45.

"By being seldom seen, I could  
not stir

But, like a comet, I was  
wondered at."

- Shakespeare: Henry IV.  
Part I, Act 3, Sc. 2.

46.

"Experience is an eminent  
evidence that a comet like a  
sword portendeth war; and an  
hairy comet or a comet with a  
beard denoteth the death of Kings."  
- John Gadbury.

47.

"A blazing star, which is  
vulgarly supposed to portend  
destruction to Kings and Princes,  
appeared above the horizon,  
several nights successively."  
- Suetonius: Vita Neronis,  
Chap. 36.

48.

"And her faire yellow locks  
behind her flew  
loosely disperst with puff of  
every blast;  
All as a blazing starre doth  
farre outcast  
His heaue beams, and flaming  
lockes dispredd  
At sight whereof the people  
stand aghast:

But the sage Wisard telles  
as he has redd,  
That it importunes death and  
doleful dreynhedd."

- Spenser: Faerie Queene  
Bk. 3, Canto 1, St. xvi.

49.

"At no other time did more  
thunderbolts fall in a clear sky  
nor so often did dread comets  
blaze."

- Virgil: Georgica, Bk. 1; 487-8.



50.

To a Comet

"Therely hangs a tail" - Shakespeare

"Lone wanderer of the trackless sky!  
Companionless! Say dost thou fly  
Along thy solitary path,  
A flaming messenger of woe -  
Warning with thy portentous train  
Of earthquake, plague, and  
battle - plain?"

Some say that thou dost never fail  
To bring some mischief in thy tail  
For ignorance dost ever see  
Wrapped in its vain credulity  
Coupled some dire mishaps  
with thee."

- W. Lattley.

51.

"The Sun that light imparts to all,  
receives

from all his alimental recompence <sup>(moon)</sup>  
In humid exhalations, and at Even  
Suppers with the Ocean:"

- Milton: Paradise Lost

52.

" - - - on th' other side  
Incens'd with indignation  
Satan stood  
Unterrified, and like a Comet  
burned, [though  
that fires the length of Ophiucus,  
In the Arctick Sky, and from  
his horrid hair  
Shakes Pestilence and War.]"

- Paradise Lost by Milton  
Book II ll. 706-11.

53.

" - - - . What if the Sun  
Be Center of the World, and other Stars  
By his attractive vertue and thir own  
Incited, dance about him various  
rounds? "

- Paradise Lost by Milton  
Bk. VIII, ll. 122-25.

54.

" - - - - while the Sun in Aries rose "

- Paradise Lost by Milton  
Bk. - ll. 229

"Some say he bid his Angels turne  
ascense

The Poles of Earth twice ten degrees  
and more

From the Sun's Axle; they with  
labour push'd

Oblique the Centric Globe: Some  
say the Sun

Was bid turne Reines from th'  
Equinoctial Rode

like distant breadth to Taurus  
with the Sea in

Atlantick Sides, and the Spartan  
Lewins [amine

Up to the Tropic Crab; thence down  
By Leo and the Virgin and the Scales;

As deep as Capricorne, to bring  
in change

Of seasons to each Clime . . . "

- Milton: Paradise Lost

Book x, ll. 668-78.

56.

"The yonge sunne  
Hath in the Ram his half cours  
y-younge."

- The Prologue by Chaucer

57.

"Cast up his eyen to the brighte sun  
That in the sign of Taurus  
has y-sun."

- The Nun's Priest's Tale  
by Chaucer

58.

"Canst thou bind the sweet  
influence of Pleiades, or loose  
the bands of Orion?"

- Job 38:31.

59.

"Seek him that maketh the seven  
stars and Orion, and turneth  
the shadow of death into  
morning, and maketh the day  
dark with night:"

- Amos 5:8.

60.

"Which maketh Arcturus, Orion,  
and Pleiades, and the chambers  
of the south."

- Job. 9:9.

61.

"When the morning stars sang  
together, and all the sons of God  
shouted for joy."

- Job. 38:7

62.

"Canst thou bring forth  
Mazzaroth in his season? or  
canst thou guide Arcturus  
with his sons?"

- Job 38:32.

63.

"Changeless march the stars above,  
Changeless morn succeeds to even."

- Saint's Tragedy by  
Charles Kingsley  
(Act 2, Sc. 2)



64.

"That orb'd maiden, with white  
fire laden  
Whom mortals call the moon"  
- The Cloud by Shelley

65.

"The penguin sunrise with his  
meteor eyes."  
- The Cloud by Shelley

66.

"The clear Moon, and the glory  
of the heavens.  
There, in a black-blue vault she  
sails along,  
Followed by multitudes of stars,  
That, small  
And sharp, and bright, along the  
dark abyss  
Drives as she drives; how fast  
They wheel away,  
yet vanish not."  
- A Night Piece by  
Wordsworth.

67.

"There sinks the nebulous star  
we call the sun."

- The Princess by Tennyson  
Part 4.

68.

"This world was once a fluid  
haze of light,

Lill toward the centre set the  
starry tides

And eddied into suns, that  
wheeling cast

the planets."

- The Princess by Tennyson  
Part. 2.

69.

"Like a living meteor  
When you die, the silent Moon,  
In her interlunar swoon,  
Is not sadder in her cell  
Than deserted Ariel."

- With a Guitar - To Jane  
by Shelley.



you, not disdaining even a  
borrowed night;

you, not eclipsing a remoter  
light; (moon)

you, too, O Comet beautiful  
and fierce,

who drew the heart of this  
frail Universe

towards thine own, till, wrecked  
in that convulsion,

alternating attraction and  
repulsion,

thine went astray and that  
was rent in twain;

Oh, float into our azure heaven  
again!

Be there love's folding-star  
at thy return;

the living Sun will feed thee  
from its urn [horn

Of golden fire; the Moon will veil her  
In thy last smiles;

- Epipsyichidion by Shelley

71.

Some Comet or unusual prodigy  
- Shakespeare: Act 3, Sc. 2  
The Taming of the Shrew

72.

Amid the radiant orbs  
that more than deck, that  
animate the sky,  
the life-infusing suns of other  
worlds

Lo! from the dread immensity  
of space,

Returning, with accelerated  
course,

The rushing comet to the Sun  
descends;

And, as he shrinks below the  
shading earth,

With awful train projected  
o'er the Heavens,

The guilty nations tremble."

- Thomson: Seasons

- Summer,

<sup>73.</sup>  
"Through street and square  
fast flashing chariots hurld'd  
like harness'd meteors."

- Don Juan by Byron

<sup>74.</sup>  
The angels all were singing out  
of tune  
And hoarse with having little  
else to do,

Excepting to wind up the sun  
and moon,

Or curb a runaway young  
star or two,

Or wild colt of a comet, which  
too soon

Broke out of bounds, o'er the  
ethereal blue,

Splitting some planet with its  
playful tail,

As boats are sometimes by a  
wanton whale!

- The Vision of Judgment  
by Byron.

25.

" - - - and ye untameable herds  
meteors and mists, which throng  
air's solitudes :- "

- Prometheus Unbound by  
Shelley

26.

" As the sun rules, even with  
a tyrant's gaze  
The unquiet republic of the maze  
Of planets, struggling fierce  
towards heaven's free  
wilderness. "

- Prometheus Unbound  
by Shelley

27.

" Fair Star of evening, Splendour  
of the west.

- Composed by the Sea-Side  
near Calais by Wordsworth



78.

"And, as a dying meteor stains  
a wreath  
Of moonlight vapour."

- Adonais by Shelley.

79.

"Blotting that Moon, whose pale  
and waning lips  
then shrank as in the sickness  
of eclipse;"

- Epipsychidion by Shelley

80.

"Continuous as the stars that  
shine

And twinkle on the Milky Way."

- The Daffodils by Wordsworth

81.

"The stars pre-eminent in  
magnitude,

And they that from the zenith  
dart their beams."

- If Thou Indeed Derive  
Thy Light from Heaven  
- by Wordsworth.

36-10 Ave. Lachine.

Ruth M. White

Sept 40.

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Ring out, ye Crystal Spheres  
Once bless our human ears  
If ye have power to touch our senses so.  
And let your silver chime  
Move in melodious time  
And let the bass of heaven's deep organ blow  
And with your nine-fold harmony  
Make up full concert to the angelic symphony.

Ye a truth and justice then  
Will down return to men  
Dab'd in a rainbow and like glories wearing  
Mercy will sit between  
Throned in celestial sheen  
With radiant feet the tissued clouds down-steering  
And Heaven as at some festival  
Will open wide the gates of her high palace hall.



Shakespeare: *Romeo + Juliet*

"But all so soon as the all-cheering sun  
Should in the furthest east begin to draw  
The shady curtains from Aurora's bed  
Away from light steals home my heavy son."

"A pair of star-cross'd lovers take their life."

---

*Of Walking the Streets by Night.*

O Trivia, Goddess, leave these low abodes,  
And traverse o'er the wide ethereal roads.  
Celestial Queen, put on thy robes of light  
Now Cynthia named, fair regent of the night.  
At sight of thee the villain sheathes his sword,  
Nor scales the wall, to steal the wealthy hoard.  
O may thy silver lamp from heaven's high  
bower

Direct my footsteps in the midnight  
hour!

John Gay - "Trivia"

"All light is not of the same kind. The light of a candle differs from the light of an electric globe, as it differs from the light of phosphorescence or that produced by the radio-activity of substances like radium. The primitive light of the first day (Genesis 1:3) was not sunlight. Of what nature it was, God only knows. It may have been akin to the Aurora Borealis, or "Northern Lights," which, in all probability, are produced by magnetic disturbance; or it may have been the mysterious product of some kind of radio-activity. But certain it is that the light which first illuminated our planetary sphere was not sunlight."

D. E. Hart-Davies - "The Genesis of Genesis".  
Chapter II. p. 39.

Acts 28:11

And after three months we departed in a ship of Alexandria, which had wintered in the isle, whose sign was Castor and Pollux.

Job 38:6,7.

Whereupon are the foundations thereof fastened? or who laid the cornerstone thereof; when all the morning stars sang together, and all the sons of God shouted for joy?

Job 38:31,32,33.

Canst thou bind the sweet influences of Pleiades, or loose the bands of Orion? Canst thou bring forth Mazzaroth in his season? or canst thou guide Arcturus with his sons? Knowest thou the ordinances of heaven? canst thou set the dominion thereof in the earth?

### Escape at Bedtime

The lights from the parlour and kitchen shone  
out

Through the blinds and the windows and  
bars;

And high overhead and all moving  
about,

There were thousands of millions of  
stars.

There ne'er were such thousands of leaves  
on a tree,

Not of people in church or the Park  
As the crowds of the stars that looked  
down upon me,

And that glittered and winked in the  
dark.

The Dog, and the Plow, and the Hunter,  
and all,

And the star of the sailor, and Mars,  
These shone in the sky, and the pail  
by the wall

Would be half-full of water and stars.



They saw me at last, and they chased me  
with cries,

And they soon had me packed into bed;  
But the glory kept shining and bright in  
my eyes,

And the stars going round in my head.

Robert Louis Stevenson - "A Child's Garden  
of Verses."

### The World.

I saw Eternity the other night,  
Like a great ring of pure and endless  
light,

All calm as it was bright;  
And round beneath it, Time, in hours,  
days, years,

Driven by the spheres,  
Like a vast shadow moved, in which the  
world

And all her train were hurled.

"If Sylphs and Sylphids, to your chief  
give ear.

Fays, Fairies, Genii, Elves, and Demons,  
hear!

If know the spheres and various tasks  
assigned

By laws eternal to th' aërial kind.

Some in the fields of purest æther play,  
And back and whiten in the blaze  
of day:

Some guide the course of wandering  
orbs on high,

Or roll the planets thro' the boundless  
sky:

Some, less refined, beneath the moon's  
pale light

Pursue the stars that shoot athwart  
the night."

Alexander Pope - "The Rape of the Lock"  
lines 73-82.



"As fine sand spread on a  
disc of silver,  
At some chord which bids the  
notes combine,  
Heeding the hidden and reverberant  
impulse,  
Shifts and dances into curve and  
line,  
The round earth, too, haply, like  
a dust mote,  
Was set whirling her assigned,  
sure way,  
Round this little orb of her  
ecliptic  
To some harmony she must obey."

Bliss Carman.

"the yonge sonne  
Heath in the Ram his halfe course  
y-sonne";

Geoffrey Chaucer "Prologue to Canterbury  
Tales, lines 7-8.

"Laste up his eyen to the bright  
sonne,

That in the signe of Taurus hadde  
y-sonne

Twenty degrees and con, and  
somewhat more;

Chaucer "The Nun's Priest's Tale"  
lines 373-375.

"He who thro' vast immensity  
can pierce,  
See worlds on worlds compose one  
universe,  
Observe how system into system  
runs  
what other planets circle other  
suns,  
what varied being peoples every  
star  
May tell why Heaven has made us  
as we are."

Alexander Pope "Essay on Man"  
lines 23-28.

"Or ask of yonder argent fields  
above  
why Jovis satellites are less than  
Jove!"

Essay on Man - lines 41, 42.

"Lo, the poor Indian! whose untutored  
mind  
Sees God in clouds, or hears him in the  
wind;  
His soul proud Science never taught  
to stray  
Far as the solar walk or milky way"

"Essay on Man" - lines 99-102.

### Night.

The sun descending in the west,  
The evening star does shine;  
The birds are silent in their nest,  
And I must seek for mine.  
The moon like a flower  
In heaven's high bower,  
With silent delight  
Sits and smiles on the night.

William Blake. lines 1-8.

A Song for St. Cecilia's Day.

From harmony, from heavenly harmony  
This universal frame began;  
When Nature underneath a heap  
Of jarring atoms lay,  
And could not heave her head,  
The tuneful voice was heard from high  
"Arise, ye more than dead!"

Then cold and hot and moist and dry  
In order to their stations leap,  
And Music's power obey.  
From harmony, from heavenly harmony,  
This universal frame began:  
From harmony to harmony  
Through all the compass of the notes it ran,  
The diapason closing full in Man.

What passion cannot Music raise  
and quell!  
When Jubal struck the chorded shell,  
His listening brethren stood around,  
And, wondering, on their faces fell  
To worship that celestial sound:



less than a god they thought there could  
not dwell  
Within the hollow of that shell,  
That spoke so sweetly, and so well.  
What passion cannot Music raise and  
quell!

.....

As from the power of sacred lays  
The spheres began to move,  
And sung that great Creator's praise  
To all the blessed above;  
So, when the last and dreadful hour  
This crumbling pageant shall devour  
The trumpet shall be heard on high,  
The dead shall live, the living die,  
And Music shall untune the sky.

John Dryden.

lines 1-24

55-63.



Hymn to Diana, the Moon Goddess.  
Queen and Huntress, chaste and fair,  
Now the sun is laid to sleep,  
Seated in thy silver chair,  
State in wonted manner keep:  
Hesperus entreats thy light  
Goddess excellently bright.

Earth, let not thy envious shade  
Dare itself to interpose;  
Cynthia's shining orb was made  
Heaven to clear when day did close:  
Bless us then with wished sight,  
Goddess excellently bright.

Ray thy bow of pearl apart,  
And thy crystal shining quiver;  
Give unto the flying hart  
Space to breathe, how short soever:  
Thou that mak'st a day of night,  
Goddess excellently bright.

Ben Jonson

Astrophel and Stella.

With now sad steps, O moon, thou climb'st  
the skies!

How silently, and with how wan a face!  
What, may it be that even in heavenly  
place

That busy archer his sharp arrows tries?  
Sure, if that long-with-love-acquainted  
eyes

Can judge of love, thou feel'st a lover's case;  
I read it in thy looks; thy languished grace,  
To me, that feel the like, thy state describes.

Then, even of fellowship, O Moon, tell me  
Is constant love deemed there but want of  
wit?

Are beauties there as proud as here they be?  
Do they above love to be loved, and yet  
Those borrow scorn whom that love doth  
possess?

Do they call virtue there ungratefulness?

Sir Philip Sidney. Sonnet 31.

"Now when the cheerless empire of the sky  
To Capricorn the Centaur-Archus yields,  
And fierce Aquarius stains the inverted  
year;

Hung o'er the farthest verge of heaven,  
The sun

Scarcely spreads o'er e'en the deflected day.  
Faint are his gleams, and ineffectual  
shoot

His struggling rays, in horizontal lines,  
Through the thick air; as clothed in  
cloudy storm,

Weak, wan, and broad, he skirts  
the southern sky;

And, soon descending, to the long dark  
night,

Wide-shading all, the prostrate world  
resigns.

.....  
when from the pallid sky the Sun  
descends,

With many a spot, that o'er his  
glaring orb

Uncertain wanders, stained; red fiery  
streaks

Begin to flush around. The reeling clouds  
Stagger with dizzy poise, as doubting

<sup>yft</sup>  
which master to obey; while, rising slow,  
Blank in the leaden-coloured east, the  
moon

Wears a wan circle round her blunted  
horns.

Seen through the turbid, fluctuating air,  
The stars obtuse emit a shivering ray;  
Or frequent seem to shoot athwart the  
gloom,

And long behind them trail the whitening  
blaze. "

James Thomson. "The Seasons"

"Winter" lines 41-51

118-129.

I Corinthians 15: 41.

There is one glory of the sun, and another glory of the moon, and another glory of the stars: for one star differeth from another star in glory.

Psalm 19

The heavens declare the glory of God; and the firmament sheweth his handywork.

Day unto day uttereth speech, and night unto night sheweth knowledge.

There is no speech nor language, where their voice is not heard.

Their line is gone out through all the earth, and their words to the end of the world. In them hath he set a tabernacle for the sun,

which is as a bridegroom coming out of his chamber, and



rejoiceth as a strong man to  
run a race.

His going forth is from the  
end of the heaven, and his  
circuit unto the ends of it: and  
there is nothing hid from the  
heat thereof.



Far better 'tis to die  
the death that flashes gladness  
than alone, in frigid dignity,  
to live on high.

Better, in burning sacrifice,  
be thrown against the world  
to perish, than the sky  
to circle endlessly  
a barren stone.

From "The Shooting Star"

Quoted in "Nature" Aug. 26, 1936.

Author unknown.

Were a star quenched on high,  
For ages would its light,  
Still travelling downwards from  
the sky,  
Shine on our mortal sight.

Longfellow

"Pricked out with less and greater lights, between the poles of the universe, the Milky Way so gleamed white as to set very sages questioning."

Dante "Paradiso".

"He compared reason to the sun, of which the light is constant, uniform, and lasting; and fancy to a meteor, of bright but transitory lustre, irregular in its motion, and delusive in its direction."

Dr. Samuel Johnson "Lasselas".

When the bright Virgin gives the  
beauteous days,

And Libra weighs in equal scales  
the year,

From heaven's high cope the fierce  
effulgence shook

of parting Summer, a serener blue,  
with golden light enlivened, wide  
invests

The happy world. Attenuated suns  
arise,

Sweet-beamed, and shedding soft  
through lucid clouds  
a pleasing calm.

The western sun withdraws  
the shortened day;

and humid evening, gliding o'er the  
sky,

In her chill progress, to the ground  
condensed

The vapours throws. When creeping

waters ooze,  
where marshes stagnate, and where  
rivers wind,  
cluster the rolling fogs, and swim  
along  
The dusky-mantled lawn. Meanwhile  
the moon,  
Full-orbed and breaking through  
the scattered clouds,  
Shows her broad visage in the  
crimsoned east.  
Turned to the sun swift, her  
spotted disk,  
where mountains rise, umbrageous  
dells descend,  
And caverns deep, as optic tube  
descries,  
A smaller earth, gives all his  
blaze again  
Soid of its flame, and sheds a  
softer day.  
Now through the passing cloud  
she seems to stoop,

bow up the pure cerulean sides  
sublime.

Side the pale deluge floats, and  
streaming mild

O'er the skied mountain to the  
shadowy vale,

While rocks and floods reflect the  
quivering gleam,

The whole air whitens with a  
boundless tide

Of silver radiance, trembling  
round the world.

But when half-blotted from the  
sky, her light,

Fainting, permits the starry fires  
to burn

With keener lustre through  
the depth of heaven;

Or near extinct her dreaded orb  
appears,

And scarce appears, of sickly,  
beamless white;



oft in this season, silent from the  
north

a blaze of meteors shoots; enswathing  
first

The lower skies, they all at once  
converge

High to the crown of heaven, and  
all at once

Relapsing quick, as quickly re-ascend,  
and mix and thwart, extinguish and  
renew,

all ether crossing in a maze of  
light. "

James Thomson "The Seasons"  
'Autumn'; lines 23-30  
1082 - 1114



"Washed Spring returns; and,  
from the hazy south,  
while dim Aurora slowly moves  
before,

The welcome sun, just verging up  
at first,

By small degrees extends the  
swelling curve;

Ill seen at last for gay rejoicing  
months,

Still, round and round, his spiral  
course he winds,

And as he nearly dips his flaming orb,  
Wheels up again, and re-ascends  
the sky."

James Thomson - The Seasons  
Winter - lines 866-873

"At last from Aries rolls the  
bounteous sun,  
and the bright Bull receives  
him."

James Thomson "The Seasons"  
Spring - lines 26-27

"when now no more the alternate  
Twins are fired,  
And Cancer reddens with the solar  
blaze,  
Short is the doubtful empire of  
the night;  
And soon, observant of  
approaching day,  
The meek-eyed morn' appears

But yonder comes the powerful king  
of day  
Rejoicing in the east. The lessening  
cloud,

The kindling azure, and the  
mountain's brow

Illumed with fluid gold, his  
near approach

Betoken glad. Lo! now apparent  
all,

Ahant the dew-bright earth and  
coloured air,

He looks in boundless majesty  
abroad;

And sheds the shining day, that  
brornished plays

On rocks, and hills, and towers,  
and wandering streams,

High gleaming from afar. Prime  
cheerer, light!

Of all material beings first, and  
best!

Efflux divine! Nature's resplendent robe!

Without whose vesting beauty  
all were wrapped  
In unessential gloom; and thou, O sun!  
Soul of surrounding worlds! in  
whom best seen  
Shines out thy Maker! may I sing  
of thee?

Wis by thy secret, strong, attractive  
force.

As with a chain indissoluble bound,  
Thy system rolls entire; from the far  
bourn

Of utmost Saturn, wheeling wide  
his round

Of thirty years, to Mercury, whose  
disk

Can scarce be caught by philosophic  
eye

Lost in the near effulgence of  
thy blaze.

Informer of the planetary train!  
Without whose quickening glance

their cumbersome orbs  
were baute unlovely mass, inert  
and dead,  
And not, as now, the green abodes  
of life;  
How many forms of being wait  
on thee  
Inhaling spirit; from the  
unfettered mind,  
By thee sublimed, down to the  
daily race,  
The mixing myriads of thy setting  
beam.

The vegetable world is also there,  
Parent of Seasons! who the femp  
precede  
That waits thy throne, as through  
thy vast domain,  
Annual, along the bright ecliptic-road,  
In world-rejoicing state, it  
moves sublime.



How shall I then attempt to  
sing of Him,  
Who, Light Himself! in uncreated  
light

Invaded deep, dwells awfully retired  
From mortal eye, or angel's purer  
ken?

Whose single smile has, from the  
first of time,

Filled, overflowing, all those  
lamps of heaven

That beam for ever through the  
boundless sky.

But, should He hide His face, the  
astounded sun,

And all the extinguished stars,  
would, loosening, reel

Wide from their spheres, and  
chaos come again.

James Thomson "The Seasons"  
Winter.

And "while the world runs round and  
round", I said

"Reign thou apart, a quiet king.

Still so, while Saturn whirls, his steadfast  
shape

Sleeps on his luminous ring."

Alfred, Lord Tennyson "Palace of Art"

Many a night from yonder ivied  
casement, ere I went to rest

Did I look on great Orion, sloping  
slowly to the west

Many a night I saw the Pleiades, rising  
thro' the mellow shade

Glitter like a swarm of fire-flies tangled  
in a silver braid

Tennyson "Locksley Hall"

J. Hackett

## The Quotations

From

"Dream Trust"

The breaths of kissing  
night and day  
Were mingled in the eastern  
Heaven

Shrilling with unherd  
melody

Shook Lyra all its har-  
chord seven:

By Francis Thompson

From

"The Hound of Heaven"

across the margin of the world  
I fled,

And troubled the gold gateway  
of the stairs

Smiling for shelter on their clanged  
bars,

— I flitted to dublet pass

And bluen chatter the  
pale ports o' the moon  
Francis Thompson.

Il Penseroso

When I may oft outwatch  
the Bear  
Milton.

Comus.

And thou shalt hear her of  
a lady  
O x Syrian Lyonesse,  
Milton

by edas.

Gathering our flocks with the  
fresh dew of night,  
Oft till the star that rose at  
evening bright  
toward heaven's decent had sloped  
his westering wheel.  
Milton

Comus.  
The star

Now the  
And the  
His glo  
In the s  
And the  
shoots  
P a wing  
O f his

We th  
Imita  
Who,

Lead w



Comus

The star that feeds the shepherd  
fold

Now the top of heaven doth hold  
And the gilded ear of day  
His glowing orb doth allay  
In the steep Atlantic stream  
And the slope sun his upward beam  
Shoots against the dusky pole,  
Pacing toward the ether goal  
Of his chamber in the East.

We that are of pure fire,  
Imitate the starry quire,  
Who, in their nightly  
watchful spheres,  
Lead in swift round the months  
& years  
Milton



9  
He that tries to touch a star  
Oft stumbles at a straw  
Spencer (Shepherd's Calendar)

These blessed candles of the night  
Merchant of Venice (Act 4 sc. 1)

0 that my spirit were you heaven  
of night  
Which gazes on thee with a thousand  
eyes.  
Shelley (Revolt of Islam)

The stars above govern our  
condition

King Lear. Act II Sc 3.

The skies are painted with unnumber'd  
sparks.

They are all fire and every one  
doth shine,

But there's but one in all  
doth hold his place  
Julius Caesar Act III Sc. 1.

16  
So sinks the day-star in the ocean bed  
And yet anon repairs his drooping head,  
And tricks his beams, and  
with new-spangled ore  
Flames in the forehead of the  
morning sky.  
Milton *Paradise Lost*.

At whose sight all the stars  
Hide their diminished heads.  
Milton. *Paradise Lost*

The starry cope  
Of Heaven.  
Milton *Paradise Lost*.

A broad and ample road, whose  
 dust is gold,  
 And pavement stars.  
 Milton Paradise Lost.

Now the bright morning star  
 Day's harbinger,  
 Comes dancing from the east.  
 Milton Song on a May Morning

Hast thou a charm to slay the  
 morning - star  
 In his steep course?  
 Coleridge  
 (Hymn in the Vale of Chamouni)

The stars are golden fruit upon a tree  
 All out of reach.  
 George Elliot  
 "The Spanish Gypsy"



Some folks call it a Silver Sword,  
and some a Pearly Crown.

But the only thing I think it is,  
is Main Street, Heavenborn.

Joyce Palmer Main Street

Silently, on by me, in the infinite  
meadows of the heaven  
Blossomed the lovely stars, the  
forget-me-nots of the angels.

Two stars keep not their  
motion in one sphere  
Henry 4<sup>th</sup> pt 1.

Now lies the Earth all Danai to the stars,  
And all thy heart lies open unto me.  
Now slides the silent miter on, and leaves  
A shining furrow, as thy thoughts in me.  
Lord Tennyson.

As we rush, as we rush in the train,  
The trees and the houses go wheeling back,  
But the Starry heavens above the plain  
Come flying on our track

All the beautiful stars of the sky,  
The silver doves of the frost of night,  
Over the dull earth swarm & fly,  
Companions of our flight.

We will rush ever on without fear,  
Let the goal be far, the flight be  
fleet!

For we carry the heavens with us,  
dear,  
While the earth slips from our feet.  
J. Thomson

Oh form of my delight who know'st no wrong,  
The morn of Heaven is rising on a gem:  
How oft her lighted rising shall she look  
Through the same garden after  
me in - in vain!

E. Fitz Gerald

(Rubaiyat of Omar Khayyam of  
Nasr-i-Khusraw)

From same selection.

Awake! for morning in the Road of Night  
Has flung the stone that puts the steps to flight:  
And lo! the Hunter of the East has  
caught

The Sultan's Secret in a Noose of  
Light.

Around my rosy tree  
 Once more the silver-starry night  
 was shinning  
 With depths of waven, dewy & free,  
 And crystals of a cavern moon  
 declining  
 Edmund Spenser (Revelation)

She roams maternal hills & bright,  
 Dark valleys safe & deep  
 Her dreams are innocent at night  
 The chestnut stars may peep  
 Alice Meynell (The Lady of the Sands)

O ruthless He might stand in  
 presence here,  
 With head wool white, eyes flame, &  
 feet like brass  
 The sword & seven stars, as I have seen  
 Robert Browning  
 A Death in the Desert.





Setebos, Setebos, and Setebos!  
 Thinketh, He dwelleth in 'the old  
 o' the morn.

Thinketh He made it, with the sun  
 to match

But not the stars; the stars  
 come otherwise;

Only made clouds, winds,  
 meteors, such as that:

R. Browning (Caliban upon Setebos)

All the earth and air

With thy voice is loud

As when night is bare,

'From one lonely cloud'

The moon rains out her beams,

and heaven is overflow'd  
 Shilky (To a skylark)

39

The pale purple even  
Melts around thy flight;  
Like a star of heaven  
In the broad daylight  
Shelley (To a Skylark)

K. Lawson

The Jexall Store  
New superior wirebound  
notebook

Duo-O-Ring

Leaves turn free and  
fast. . . . Lie flat in  
perfect alignment.

S 1065

Kallden Laurin.

Physics IB.

1615 Lincoln Ave.

Mentiel.

## Quotations

"The stars! which are the poetry of  
heaven!

If in your bright leaves we could read  
the fate  
of men and empires, 'tis to be forgiven  
That in our aspirations to be great,  
Our destinies o'erleap their moral state,  
And claim a kindred with you: for ye are  
A beauty and a mystery, and create  
In us such love and reverence from afar,  
That fortune, fame, power, life, have  
named themselves a star."

- Byron. "Child Harold."

"The stars hang bright above,  
Silent, as if they watch'd the sleeping earth."

- Coleridge



"The stars are mansions built by  
Nature's hand,  
And, haply, there the spirits of the blest  
Dwell, clothed in radiance, their  
immortal vest."  
— Wordsworth.

"Look, how the floor of Heaven  
Is thick laid with patines of bright  
gold;  
There's not the smallest orb, which  
There behold'st,  
But in his motion like an angel sings,  
Still quiring to the young-eyed cherubins;  
Such <sup>harmony</sup> ~~quiring~~ is in immortal souls:  
But, whilst this muddy vesture of  
decay  
Doth grossly close it in, we  
cannot hear it."  
— Shakespeare —  
"Merchant of Venice"

"And fast by hanging is a golden  
chain,  
This pearl'd world, in bigness as a  
star."

- Milton - "Paradise Lost"

"The chariot maid is prodigal enough,  
If she unmask her beauty to the moon."  
- Shakespeare - "Hamlet"

" " Now glow'd the firmament  
With living sapphires; Hesperus, that led  
The starry host, rode brightest; till  
the moon  
Rising in clouded majesty, at  
length,  
Apparent queen, unveil'd her  
peerless light,  
And o'er the dark her silken mantle  
threw. "

- Milton - "Paradise Lost"

"But I am as constant as the  
northern star."

— Shakespeare — "Julius Caesar"

---

"Lo! from the dread immensity of  
space

Returning, with accelerated course,  
The rushing comet to the sun  
descends:

And as he sinks below the  
shading earth,  
With awful train projected o'er  
the heavens,

The guilty nations tremble."

— Thompson — "Summer"

---

"The spacious firmament on high,  
With all the blue ethereal sky,  
And spangled heavens, a shining  
frame,

original  
Their ~~Original~~ proclaim."  
— Addison — "Ode"

---

"This vast and solid earth,  
That blazing sun;  
These skies through which it rolls,  
must all have end;  
What then is man? — The smallest  
part of nothing.  
Day buries day, month, month;  
and year the year."  
— Thompson.

---

"Nature and Nature's laws lay  
hid in night;  
God said; "let Newton be!" and  
all was light."  
— Pope — "Epitaph"

---

"That orb'd maiden with  
white fire leader,  
whom mortals call the moon."  
— Shelley. "Clouds"

"The stars of the night  
will lead thee thy light,  
like lamps clear with out number!"  
— Herrick - "Hesperides"

"The stars in order twinkle in  
the skies,  
and fall in silence, and in  
silence rise."  
— Broome, "Paraphrase on Job."

"One sun by day, by night ten  
thousand shine,  
and light us into the Deity!  
How boundless in magnificence  
and might!"



O, what a confluence of ethereal  
fires,  
From vast unnumber'd, down the  
steep of heaven,  
Streams to a point, and enters in  
my sight."

— Young "Night Thoughts".

"But all so soon as the all-  
cheering sun  
Should in the furthest east begin  
to draw  
The shady curtains from  
Aurora's bed."

— Shakespeare "Romeo & Juliet".

"Have ye not lister'd while he bound  
the suns

And planets to their spheres? th' unequal  
tasks

Of human-kind did then."

— Thompson — "To Mem. of Newton"

"The sun was sunk, and after him  
the star,

Of Heperus, whose office is to bring  
Twilight upon earth, short orbiter  
Twirl day and night, and now from  
end to end

Night's hemisphere had veiled th'  
horizon round."

— kb. ix. 48.

"The night was dark and still: a  
heavier gloom

He' or covered earth. In lowering clouds  
The stars

Were muffled deep, and not one ray  
below.

— Thompson.

"Another day is added to the map  
of buried ages. Lo! the heedless moon,  
like a fair shepherdess, now comes  
abroad

With the full flock of stars, that roam  
around

The azure meads of heaven.

— Robert Montgomery.

"But all so soon as the all-cheering  
sun

Should in the furthest east begin to  
~~draw~~ draw

The cheery curtains from Aurora's  
bed."

— Shakespeare: "Romeo & Juliet"

"Gone - like a meteor, that o'erhead  
Suddeley shines, and ere we've said  
"Look! look, how beautiful!" - tis fled!"

T. Moore.

---

"Tis midnight: - on the mountains  
brown

The cold round moon shines deeply  
down;

Blue rolls the waters, blue the sky  
Spreads like an ocean hang on  
high,

Bespangled with those ~~at~~ isles of  
light,

So widely, spir'ually bright."

- Byron. "Siege of Corinth"

---

" The glorious sun,  
Stays in his course, and plays  
The alchemist;  
Turning, with splendour of his  
Precious eye,  
The meagre cloudy earth to  
glittering gold. "

— Shakespeare. " King John "

" What skilful limner e'er could choose  
To paint the rainbow's various hues,  
Shouldst to ~~brush~~ mortal it were given  
To dip his brush in eyes of heaven. "

— Scott. " Harriad "

" But who can exert the stars of  
heaven,  
Who sing their influence on this  
lower world? "

— Thompson. " Wiles "



"Devotion! daughter of astronomy!  
An undevoted astronomer is mad."

— Young. "Night Thoughts"

"These earthly godfathers of  
heaven's lights,  
That give a name to every fixed  
star,  
Have no more profit of their  
phining nights,  
Than those that walk, and wot not  
what they are."

— Shakespeare "Love's Labour's Lost"

"Nature to each allot's his proper  
sphere,  
But that forsaken, we like comets  
err.

Tossed thro' the void, by some rude  
shock we're broke,

And all our boasted fire is lost in  
smoke."

— Congreve

"When beggars die, there are no  
cornets seen;  
The heavens themselves blame  
forth the death of princes."

— Shakespeare; "Julius Caesar"

"They day without a cloud half  
pass'd,  
And those went lonely to the last;  
Extinguish'd, not decay'd!  
As stars that shoot along the sky  
Shine brightest as they fall from  
— high."

— Byron

Rebecca L. Scott

R. V. C.

1936

Physics 1B



**NOTE BOOK**



In Plautus' Latin play "The  
Rudens" the prologue is  
spoken by a character named  
Arcturus. This Arcturus,  
being the fiercest of the  
stars supposedly, has brought  
about the shipwreck which  
precedes the action of the play.  
The Rudens was first acted  
in B.C. 192 -

The Star Splitter -

- Robert Frost -

"You know Orion always comes up  
sideways.

Throwing a leg up over our fence of  
mountains,

and rising on his hands, he looks in on the  
Busy outdoors by lantern light with  
something--

"So Brad the Laughlin mingled reckless talk  
of heavenly stars with huzzys-muzzys forming,  
The having failed at huzzys-muzzys forming,  
He burned his house down for the fire  
insurance

and spent the proceeds on a telescope  
to satisfy a life long curiosity  
about our place among the infinites.

"That telescope was christened the Star-splitter."



The Comet of Going-To-the-Sun  
-Vachel Lindsay

On a mountain peak, called "Going-To-  
the-Sun";

A comet stopped to drink from a cool  
spring

And like a spirit-knave began to sing  
To us, then hurried on to reach the sun.

---

"Twinkle, twinkle, little star!"  
How I wonder what you are,  
Up above the world so high  
Like a diamond in the sky."



Sir William Herschel's discovery  
of sun spots led to Jovius  
formulation of a theory of  
the trade cycle - He thought  
that solar radiation controls  
mundane weather, weather  
controls crops, & crops control  
business conditions - Now sun  
spots, by affecting crops, affect  
business -

$3\frac{1}{2}$  year cycles of solar radiation  
produce similar cycles of crop  
yields but it takes 2 or 3 to make  
a business change, hence the  
7 or  $10\frac{1}{2}$  year cycles of business  
activity.

- Jovius - 1875

"At night astronomer's eye"

Henry L. Moore's theory was that  
the 8 year periods in conjunction  
of Venus produce similar cycles  
in mundane weather, crop  
yields, & business -

I saw Eternity the other night ...  
..... Time in hours, days & years,  
reviewed by the spheres, like a vast  
shadow moves;  
In which the world and all her  
parts were hushed.

Henry Vaughan

1621-1695



"Arcturus, rise! Orion, fall! ..."

The white-winged stars obey...

Or else he greets his fellow-God;

And there, in the dusk, they play

A game of chess with stars for pawns

And a silver moon for queen:"

Conrad Aiken

"Purcell, the Immortal Liar"

"As the Pleiads shake

White light in white water"

"Hesperides" by H. D.

"I have seen the proudest stars

That wander on through space"

- To One Unknown

"Then on the stars will tread,  
On purple stars or red" - Song

Nileen  
Ardley



"But stars were with me most of all.  
I heard them flame & break & fall.  
Their excellent assay, their pre  
Encounter with eternity,  
I learned."

"Profits" - by

Jennie Stearns Davis

"Gloomy Orion and the Dog  
Are veiled ;"

Sweeney among the Nightingales  
- J. S. Eliot

"The sky  
Is that beautiful old parchment  
In which the sun  
And the moon  
Keep their diary."

"Old manuscripts" by  
Alfred Kreymborg

"And a girl in a black lace shawl  
Sits in a richly chair by the square of  
unlaid eyes saw,

And sees the explosion of the stars  
Fiercely poised on the velvet sky.  
And she seems humming to herself:

"Stars, if I could reach you

.....

I would only keep you of you —  
Those two blue-white ones overhead  
To peep in my ears,  
And those two orange ones yonder  
To fasten on my shoe-buckles:

Arizona Poems by  
John Gould Fletcher

## The Wicky Way

"My mother taught me that every night a procession of junks carrying lanterns moves silently across the sky, and the water sprinkled from their paddles falls to the earth in the form of dew."

-Scented Leaves from a  
Chinese Joke

by Allen Upward

"The day of the Lord cometh, for it is nigh at hand..... The earth shall quake before them; the heavens shall tremble: the sun and the moon shall be dark, and the stars shall withdraw their shining."

Joel 2:10



"There are also celestial bodies, and  
bodies terrestrial: but the glory of the  
celestial is one, and the glory of the  
terrestrial is another. There is one  
glory of the sun, and another glory  
of the moon, and another glory of  
the stars: for one star differeth  
from another star in glory."

1 Corinthians 15:40-41

"And it shall come to pass in that  
day, saith the Lord God, that I will  
cause the sun to go down at noon,  
and I will darken the earth in  
the clear day."

Amos 8:9

"Then spake Joshua to the Lord...  
Sun, stand thou still upon Gideon;  
and thou, moon, in the valley of Ajalon.  
And the sun stood still, and the  
moon stayed, until the people had  
avenge themselves upon their  
enemies. Is not this written in the book  
of Jasher? So the sun stood still in the  
midst of heaven, and hastid not to go  
down about a whole day. And there  
was no day like that before it or  
after it, that the Lord hearkened unto  
the voice of a man: for the Lord  
fought for Israel."

Joshua 10: 12-14



## The Creation of Light

"And God said, let there be lights in the firmament of the heaven to divide the day from the night; and let them be for signs, and for seasons, and for days, and years: And let them be for lights in the firmament of heaven to give light upon the earth: and it was so. And God made two great lights; the greater light to rule the day, and the lesser light to rule the night: he made the stars also. And God set them in the firmament of the heaven to give light upon the earth, and to rule over the day and over the night, and to divide the light from the darkness: and God saw that it was good:

Genesis 1: 14-18

"The heavens declare the glory of God;  
and the firmament sheweth his  
handiwork. .... In them he hath set a  
tabernacle for the sun ... His going  
out is from the end of the heaven,  
and his circuit unto the ends of  
it: and there is nothing hid from  
the heat thereof."

Psalm 19:1-6

And silently, one by one, in the  
infinite meadows of heaven  
Blossomed the lovely stars, the  
forget-me-nots of the angels -

Evangeline - Longfellow

Whan that the month in which the  
world began,  
That righte March, whan God first  
maked man,  
Was complot, and y-pases were also,  
Seu March began, thurty dayes & two,  
Bifel that Chauntecleer, in al his pryde,  
His seven wyves walking by his syde,  
Caste up his eyen to the brighte soune,  
That in the signe of Jausus hadde y-ronne  
Tewenty dayes & soou, & somewhat more;  
And knew by kynde, & noon othe lore,  
That it was pryme\*, & crew with blisful  
stevne\*.

'The soune', he sayde, 'is clouben up ou  
hevene

Townty dayes & soou, & more, y-wis!

The House Preestes Tale

- Chaucer (14<sup>th</sup> cent.)

\* 9 o'clock

\* voice



how that the gloomy shadow of the  
night,  
Languing to view Orion's drizzling look,\*  
leaps from the arctic woods unto  
the sky  
And drives the weeper with her  
pitchy breath...

Faustus

- Christopher Marlowe

\*it was  
said that Orion's rising & setting was  
accompanied by rain -

The date of the writing  
of this play is 1588

Mephistophilis: As are the elements,  
such are the heavens,  
Even from the moon unto the  
empyreal orb,  
Mutually folded in each other's spheres,  
And jointly move upon one axle-tree,  
Whose terminus is toward the world's  
wide pole;  
Nor are the names of Saturn, Mars, or  
Jupiter  
Keign'd, but are erring stars -

Forster: But have they all one motion,  
both sitre & keignore?

Meph: All move from east to west in  
4 or 20 hours upon the poles of the  
world; but differ in their motions  
upon the poles of the zodiac.

Forst: These slender questions



Wagner can decide:

Hath Meplhistophilis no greater skill?  
Who knows not the double motion  
of the planets?

That the first is finished in a  
natural day; The second thus:

Saturn in 30 years; Jupiter in 12;

Mars in 4; the Sun, Venus, &

Mercury in a year; the Moon in

28 day. These are freshmen's

questions - But tell me, ~~and~~ hath  
every sphere a dominion or  
intelligence?

Meph: Ay -

Foeb: How many heavens or  
spheres are there?

Meph: Nine; the 7 planets, the  
firmament, and the empyreal

heaven.

Faust: But is there not caelum igneum et crystallinum?

Meph: No, Faustus, they be but fables.

Faust: Resolve me, then, in this one question; why are not conjunctions, oppositions, aspects, eclipses, all at one time, but in some years we have more, in some less?

Meph: Per inaequalem motum respectu totius. (Because of their unequal motion with respect to the whole.)

- ibid

Of all the stars that rose at  
evening, bright,  
Towards heaven's descent has sloped  
his westering wheel.

Lycidas

- Milton

... As when the sun new-risen  
Looks through the horizontal misty air  
Shorn of his beams, or pines behind the  
moon,

In dim eclipse, disastrous twilight  
shes

On half the nations, and with fear of  
change

Perplexes monarchs.

Paradise Lost

- Milton

Now flowed the firmament  
With living sapphires; Hesperus, that led  
The starry host, rode brightest, till the  
Moon,  
Rising in clouded majesty, at length  
Apparent queen, unveiled her peerless  
light,  
And o'er the dark her silver mantle  
threw -

Idid -

A sunny shaft did I behold,  
From earth to sky it slanted -

song

- Coleridge

Ye stars! which are the poetry of heaven.

Childe Harold

- Byron



Night followed, clad with stars

- Alastor, by Shelley

The sanguine sunrise, with his  
meteor eyes,

And his burning plumes outspread,  
Leaps on the back of my sailing rack  
When the morning star shines dead.

- The Cloud, Shelley

From the inkless, clear, star-sown  
vault of heaven —

And with joy the stars perform  
their shining —

Self-Dependence

- Matthew Arnold



and now she spoke as when  
the stars sang in their spheres

- She Blessed Mancoyl

- Rossetti

The sun was gone now; the curled  
moon

was like a little feather

fluttering far down the gulf; & now  
she spoke through the still weather.

Her voice was like the voice <sup>of</sup> ~~the~~ stars  
when they sang together.

- ibid

In this incomparable wilderness  
of words, at whose immensity  
even soaring fancy staggers -

Shelley - "Queen Mab"

.... The galaxy, that milky way  
which nightly as a ceiling zone  
thou seest  
Powder'd with stars -

- Uil you - Paradise Lost

St Paul: one star differeth from  
another star in glory.

And that inverted Bowl we call  
The sky  
wherunder crawling coop't we live & die,  
Lift not thy hands to it for help -  
for it  
rolls impotently on as Thou or I.

Omas Khoyyam -  
- Rubdijot

How can I gaze upon you sparkling  
vauet  
And view the planets rolling in their  
spheres,  
yet be an atheist?  
- Newton.

While on this lofty mountain  
we seem to Heaven so near,  
we seem to hear the echoes  
of every rolling sphere -

It is the very error of the moon:  
She comes more nearer earth than she  
was wont,  
And makes men mad -  
- Othello -

Baby moon, 'tis time for bed,  
Owl's leaves his nest now;  
Hide your little horned head  
In the twilight west now;  
When you're old + round + bright  
You shall stay + shine all night.

- Maryse Rhyne

But I am constant as the northern star,  
Of whose true-fix'd & resting quality  
There is no fellow in the firmament.

- Julius Caesar

- Shakespeare



When Newton saw an apple fall, he found  
In that slight stroke from his contemplation  
'Tis said (for I'll not answer above ground  
For any sage's creed or calculation) —  
A mode of proving that the earth turned  
round

In a most natural wheel, called "gravitation";  
And this is the sole mortal who loves apples,  
Since Adam, with a fall, or with an apple.

Man fell with apples, & with apples rose,  
If this be true; for we must deem the mode  
In which Sir Isaac Newton could disclose  
Through the then unpaved stars the  
highway was,

A thing to counterbalance human woes;  
For ever since immortal man hath glaid  
With all kinds of mechanics, & fell soon  
Steam-engines will conduct him to the moon.

Don Juan - Canto 4



.... Look how the floor of heaven  
Is thick laid with patterns of  
bright gold.

There is not the smallest orb which thou  
behold'st

But in his motion like an angel rings,  
Still quivering to the young-eyed cherubins.

- Merchant of Venice

- Shakespeare

These blessed candles of the night

- ibid

Two stars keep not their motion in one sphere.

- Henry IV, Part I



Whether we wake or we sleep,  
Whether we crouch or weep,  
The sun with his Planets in chains  
Marketh the going of Time  
- Edward Fitzgerald

Silence is the speech of love,  
The music of the spheres above.  
- R. H. Stoddard

And fast by, hanging in a golden chain,  
This pendent world, in brightness as a star  
Of smallest magnitude, close by the  
moon.

- Milton

- Paradise Lost

Not sink those stars in empty night:  
They hide themselves in heaven's own  
light.

- James Montgomery

'... there is music whenever there  
is harmony, order, or proportion; &  
thus far we may maintain  
the music of the spheres:"

- St. Thomas Browne  
"Religio Medici"

From morn

To noon he fell, from noon to dewy  
eve, -

A summer's day; with the setting sun  
dropp'd from the zenith like a falling  
star -

Paradise Lost, Book Four

Like the lost pliad seen no more below -

- Lord Byron

- "Beppo"



Now glow'd the firmament  
With living sapphires; Vespero, that led  
The starry host, rode brightest, till the  
moon,

Rising in clouded majesty, at length  
Apparent queen unveil'd her peerless  
light,

And o'er the dark her silver mantle drew.  
- Paradise Lost

.... and sweet the coming on  
Of grateful evening mild; then silent night  
With this her solemn bird & this faint  
moon,

And these the gems of heaven, her  
starry train. - - -

- ibid



Niches, as to their fountain, other stars  
Repairing, in their golden ~~water~~ veins  
Draw light.

- Paradise Lost

So sinks the day-star in the ocean bed,  
And yet anon repairs his drooping head,  
And tricks his beams, & his new-  
spangled ore  
Flames in the forehead of the  
Morning sky.

- Lycides

The gay notes that people the  
Pembrokeans -

- Il Penseroso

The man in the street does not  
know a star in the sky.

- Emerson

"Deep Reliances"

The moving moon went up the sky,  
And nowhere did abide;  
Softly she was going up,  
And a star or two beside.

- The Ancient Mariner

- Coleridge

Whilst twilight's curtain spreading far,  
Was pruned with a single star.

- McDonald Clarke

The night with sudden odor reeled;  
The southern stars a music pealed.

- Thompson

The morning stars sang together, and  
all the sons of God shouted for  
joy.

Job 38:7

When Freedom from her mountain-height  
Unfurled her standards to the air,  
She tore the azure robe of night,  
And set the stars of glory there.

She mingled with its gorgeous dyes  
The milky baldie of the skies,  
And stiped its pure, celestial white  
With streaks of the morning light.

- Joseph Rodman Drake

"The American Flag"

The song the stars of morning sung  
Has never died away.

- John Greenleaf Whittier

The two or three  
High souls, like those far stars that  
come in sight

Once in a century -

James Russell Lowell

Oh, thou art fairer than the evening air  
Clad in the beauty of a thousand stars -

- Christopher Marlowe

Over all the sky - the sky! far, far out  
Of reach, studded with the eternal  
stars -

- Walt Whitman

True as the needle to the pole,  
Or as the dial to the sun.

- Barton Booth

1881-1733



Lo! the moon ascending!  
Up from the East, the silvery round moon;  
Beautiful over the house-tops, ghostly,  
phantom moon;  
Immense & silent moon.

- Walt Whitman

I was thinking the day most splendid, till  
I saw what the no-day exhibited;  
I was thinking this globe enough, till there  
sprang out so noiseless around me  
myriads of other globes.

- Walt Whitman

"Night on the Prairie

Late, late yestereen I saw the new moon,  
wi' the auld moon in his arm.

- Thomas Percy

"Sir Patrick Spens



A little sprite sat on a moonbeam  
As the night was waning away,  
And over the world to the eastward  
Had spread the first flush of the day.  
The moonbeam was cold & slippery,  
And a fat little fairy was he;  
Around him the dark clouds were floating,  
And under him shimmered the sea -  
The old moon looked out of her left eye  
And winked when she thought of the fun  
For she knew that the moonbeam he sat on  
Would soon melt away with the sun.

Part of a poem I memorized  
in the 2<sup>nd</sup> grade.

Alexander wept when he heard from  
Amaxarchus that there was an  
infinite number of worlds; & his friends  
asking him if any accident had  
befallen him, he returns this  
answer: "do you not think it a  
matter worthy of lamentation that  
when there is such a vast  
multitude of them, we have not  
yet conquered one?"

- Plutarch

Anaximander says that men were first  
produced in fishes, & when they were  
grown up & able to keep themselves  
were thrown up, & so lived upon  
the land -

- Plutarch

And Archimedes, as he was washing,  
thought of a ~~new~~ manner of  
computing the proportion of gold in  
King Hiero's crown by seeing the  
water flowing over the bathing  
stone. He leaped up as one possessed  
or inspired, crying, "I have found  
it! Eureka!"

### Plutarch

Why does pouring oil on the sea  
make it clear & calm? Is it for  
that the waves, slipping the  
smooth oil, have no force, nor  
cause any waves?

- it's

Bright-flaming, heat-full fire,  
The source of motion -

- Dee Bates

1544-1590

by quenchless stars! so eloquently bright,  
untroubled centres of the shadowy night.

- Robt. Montgomery

That orb'd maiden with white fire  
laden

Whom mortals call the moon -

- Shelley

"The Cloud"



ships are like stars - they rise & set,  
they have  
the worship of the world, but no  
repose.

- Shelley

Star light, star bright,  
First star seen tonight,  
Wish I may, wish I might  
Have thee with  
I wish tonight.

In Judges 5:20 there is the  
line "the stars in their courses  
fought against Sisera." Is it from  
this verse that Sir James Jeans  
got the title for his book, "Stars  
in their Courses"?  
Yes.



Therefore the moon, the governess of floods,  
Pale in her anger, washes all the air,  
That rheumatic diseases do abound:  
And through this distemperature we see  
The seasons alter.

- Midsummer Night's Dream

A sky full of silent suns.

each man's life are as comets to the  
earth, seemingly strange & evasive  
portents; distinct from the ordinary  
lights which guide our course &  
mark our seasons, yet true to their  
own laws, potent in their own  
influences -

- Bulwer-Lytton

I with borrow'd silver shine,  
What you see is none of mine.  
First I show you but a quarter,  
Like the bow that guards the Tartar:  
Then the half, & then the whole,  
Ever dancing round the pole.  
- Dean Swift

There are certain events which to  
each man's life are as comets to the  
earth, seemingly strange & erratic  
portents; distinct from the ordinary  
lights which guide our course &  
mark our seasons, yet true to their  
own law, potent in their own  
influences -  
- Bulwer-Lytton

Sleep, baby, sleep.

My father is watching the sheep,

My mother is shaking the dreamland  
tree

And down fall the little dreams as they  
sleep, baby, sleep.

Sleep, baby, sleep,

The big clouds are the sheep,

The little ones are the lambs, I guess,

And the great moon is the shepherd.

Sleep, baby, sleep.

- Nursery ballad

"What is it all but a huddle of ants in the  
of a million millions of seas?"

- Jerry son

"bathers"



..... and when  
Her' scudding drifts the rainy Hyades  
Next the diue sea.

- Deerlyson - "Ulysses"

(The Hyades were supposed to be the  
harbingers of rain)

To a breeze of morning noods,  
And the planet of love is on high,  
Beginning to faint in the light that she loves  
On a bed of dappled sky,  
To faint in the light of a sun she loves,  
To faint in his light, and to die.

- Deerlyson

- "Song" from "Maud"

Venus, the morning star.

"No glory that ever was shed  
From the crowning star of the seven  
That crown the North world's head".

- Sevin Burns

"Upon a Child.

Is this referring to the North Star, one  
of the seven stars of the Great Dipper?

"More glad than is

She keening each to see the longed-for sun  
Peep through the hours of the celestial Rain.

- Ben Johnson

- "Volpone"

1600 A.D.

The planets in their stately listning sta



" ..... this noble lord issuing  
like radiant Hesper, when his golden hair  
In th' ocean billows he hath  
bath'd his face "

- Edmund Spenser

" Prothalamion  
(about 1580)

" That like the swains of Jove they  
gleam'd in sight  
Which deck the baldric of the Heavens  
bright "

- ibid.

(Castor & Pollux, in the constellation  
of Gemini)

" The dew,  
'Tis the stars which stars weep, sweet  
with joy "

Bailey - "Festus"

"Se fragrantis atrox hora Camilleae  
nescit tangere"

- Thee the fell season of the  
blazing dogstar has no power to  
touch - (rainy weather)

Norace - Odes

"Nec saevus Aeterni Cadentis  
impetus aut orientis Nardi"

- Nor the savage outbreak of  
setting Aeternus or of the rising  
Kid " (wild weather)

- Norace - Odes

"Atlantemque finis concertitum"

- And Atlas' farthest bounds  
are shaken.

- Norace - Odes

Hesperia postea ad

new ~~pro~~ safe returned from  
at western - land.

- Norse's Ode

and also.

"And safe beyond the waters of  
all the world there  
land I see"

- Deception - "Ulysses"

"I am not sure minimum periphrasis  
and in some manner of  
place in a land denied  
for hours by the shores of the  
too near coast of the sea -  
(the topics)

- Norse's Ode

"Qui nunc Hesperia postea at  
ultima"

- who now ~~has~~ <sup>has</sup> returned from  
farthest western-land.

- Horace's Ode

and also.

"And sail beyond the borders of  
all the western stars  
Until I die"

- Dante's - "Ulysses"

"Pone sub curvo nimium propinqui  
solis in tua domibus negata"

- Place me in a land denied  
for houses by the ~~chariot~~ of the  
too near chariot of the sun -  
(the tropics)

- Horace - Odes



"Post insanae caprae sidera"  
- after the furious goat-star  
rising.

Horace - odes.

The goat star is in the constellation  
of the Chasiotes ♃, rising in  
September, heralds stormy weather.

"Laminae tamen celeres reparant  
caelestia lunae"

- However the heavenly moons  
swiftly repair their laps.

- Horace - odes.

The moon waxes, but quickly  
the new moon comes again.



A thousand years in thy sight are  
but as yesterday when it is past,  
and as a waken in the night.

90<sup>th</sup> psalm.

How true, when thinking of stellar  
time and distance!

The moon has set  
In a bank of jet  
That purges the western sky.  
The pleiads seven  
Have sunk from heaven  
And the midnight hums by.  
- translated from Sappho.

Till the sun grows cold,  
And the stars are old,  
And the leaves of the Judgment  
Book are gone.

- Byron Taylor

That very law which moulds a Tear,  
And bids it trickle from its source,  
That law preserves the earth a sphere,  
And guides the planets in their course.

- Samuel Rogers

Job 38: 31-32

There's not the smallest orb which  
thou behold'st

But in his motion like an angel sings,  
Still quivering to the young-eyed  
cherubins:

- Merchant of Venice

Caust thou bind the sweet influence  
of Pleiades, or loose the bands of  
Orion? Caust thou bring forth  
Mazzaroth in his season? Caust  
thou guide Arcturus with his  
sons?

Job 38: 31-32



## Jeans Go Visiting



Stars are liquid; we are only on the fringe of science; space and time exist only in mental concepts; the human race is in its infancy; the universe is doubling its dimensions each billion years. These are the observations of Sir James Jeans, above, London Royal Institute professor, called the world's greatest living astronomer, pictured with Lady Jeans upon their arrival in New York.