

SECOND ADVENT
WAY MARKS AND HIGH HEAPS.

OR A
CONNECTED VIEW
OF THE
FULFILMENT OF PROPHECY.

BY
GOD'S PECULIAR PEOPLE.

From the year 1840 to 1847.

BY JOSEPH BATES.

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1847.

promises made; not to my
 which is CHRIST—the
 Jew nor Greek—but
 Christ then are ye

Gal. 3: 28

P R E F A C E .

The design of the author of the following pages is to strengthen and encourage the honest hearted, humble people of God, that have been, and still are, willing to keep the COMMANDMENTS of God and the testimony of Jesus, to hold on to their past experience, in the connected chain of wonderful events and fulfilment of prophecy, which have been developed during the last seven years. "Prove all things and hold fast that which is good." Again, Jesus says, "ye are my friends if ye do whatsoever I command you." He has plainly and positively commanded us down here, "to hold that fast which we have, that no man take our crown." From other portions of his teaching, it is plain that in this passage he refers to our past and present experience, and nothing else. Because all our worldly interest is, and must be, consecrated to God. Then here, while we are in the fiery furnace, being shaped for the building that is in the heaven of heavens, we are exhorted to look back to these WAYMARKS AND HIGH HEAPS in our pathway, that our confidence may be unshaken in our glorious commander, who has brought us off victorious thus far, and has promised us if we trust in him, "We shall be as Mount Zion which can never be removed." As I have no earthly object here in view but the prayers and good will of those who may be benefited by reading the following, which we dedicate to them, I hope to be pardoned if any thing which is said may be deemed harsh or too severe, where I have referred to names, books or papers, to vindicate the cause and work of God in these last days. I have honored and respected them, and do now, for all their good works; but for the stumbling blocks they have laid in the way, and removing of bounds, (See Hosea v : 10) I praise them not, but will endeavor to "speak the truth in righteousness."—

Amos.

TO THE LITTLE FLOCK.

“Set thee up *waymarks*, make thee high *heaps*; set thy heart towards the highway, even the way that thou wentest.” Jer. xxxi: 21.

How perfectly natural it is for every person either travelling or sailing, to have their minds excited respecting their starting place, their place of destination, and all the intermediate places on their way; among passengers on the land, but more particularly on the ocean, the continual enquiry is our whereabouts. If God's people manifested half the anxiety concerning their spiritual welfare, they would live in a continual state of joy and thanksgiving, and a perfect state of readiness for the everlasting kingdom. But as the reverse of all this has ever been the case, with comparatively but few exceptions—hence the instruction from the Prophet of God to this people, henceforward to set them up waymarks and make high heaps, and set their hearts towards the highway, even the way they went, or had come. Every anxious traveler knows what a relief it is to his mind to find a guide board, a mile stone, or a post. But the mariner has to be more particular. Instead of finding guide boards and mile-posts on the Ocean, he has to chain out the distance he runs, and so prove it by signs in the heavens—something after the following manner.—He takes the bearing by compass, and then judges his distance from the land or lighthouse that is now receding from his view. And now the watch is set to keep the ship on her course, and measure the distance run every two hours, night and day, during her passage to her destined

port. At 12 o'clock every day this account is made up and recorded in the journal of the voyage. This is what the sailor calls *dead reckoning*. Every day when the sun is not obscured by clouds, the captain and officers ascertain the ship's position in relation to her latitude, by watching the sun, and noting the moment she leaves the Eastern and passes into the Western Hemisphere. It is then 12 o'clock at noon; and the next day now commences, with reckoning for the next 24 hours.

But there is still another more intricate and difficult process, by which the true (and not the dead) reckoning is ascertained. This is done by measuring the distance between the sun and moon, or moon and some well known star, if in the night. This process, when accomplished by the help of a nautical almanac, gives the ship's longitude, showing clearly how many miles the ship is either east or west, as the case may be, of the port she left. This, with the above process, (taking an observation of the sun at noon, by the same instrument,) gives the true position of the ship on the ocean. Then by consulting the latitude and longitude of the land from which they took their departure, and the port to which they are bound, the true bearing and distance from each place is correctly ascertained; the ship all the while making the best of her way *onward*, until another observation to correct her *dead reckoning*. Here passengers and crew, although they are wanderers alone on the trackless ocean, are relieved from their anxiety, and inspired with fresh courage and confidence to pursue their intended voyage. What a beautiful figure this, for the truly humble, faithful followers of Jesus. As the Mariner is here dependent on the celestial scenery, (sun, moon and stars,) to correct every now and then his *dead reckoning*, so the followers of Jesus are ever seeking from the Sun of Righteousness, whose habitation is in the heavens, a more correct view of their wanderings over the ocean of time, to correct their *dead reckoning*, and inspire them with unshaken confidence to pursue their pilgrimage toward the heavenly Canaan.

But ah, how many professed followers of Jesus, after launching out from the shores of sin and folly, with strong determinations to pursue the voyage over life's rough sea for the heavenly Canaan of rest, have laid down their watch, and thrown by their instruments of observation, and concluded to pursue their onward course and trust alone for their destination to their *dead reckoning*. But, bless the

Lord, there are some that are fully determined to correct their *dead reckoning*, by watching every opportunity for an observation of the Sun of Righteousness, and by faith cling fast to all the promises, doing as the Prophet has shown them—"Stand continually upon the watch tower in the day time, and set in their *ward* every night," watching for all the terrestrial and celestial land marks and heaps in their pathway, "Holding fast that which they have," (that is their experience,) trusting in the Lord, which makes them as Mount Zion, that cannot be removed, but abideth forever, and as another prophet has it, "the righteous shall also hold on his way, and he that hath clean hands shall be stronger and stronger."

Now although the pathway of the truly righteous is directly opposite to the world, yet the way marks and heaps which they are to set up, and have in remembrance as they pass along, are so assimilated to the literal, that the way-faring man need not err. Of the literal in the scripture we will give an instance or two. "The case of Jacob, being overtaken by his father-in-law Laban, they finally made a covenant that they never would pass that place to harm each other, and that they may never forget this covenant, Jacob took a stone and set it up for a pillar (or way mark) and told his brethren to gather stones and make a heap, the margin reads the heap of witness, beacon or watch-tower. Laban says, this *heap* be witness, and this *pillar* be witness, that I will not pass over this heap to thee, and that thou shalt not pass over this heap and this pillar unto me for harm." Gen. xlii: 31, 43-52.

2. "The curse of God rests on all such as remove their neighbor's land mark." Deut. 27: 17. This undoubtedly means both literal and spiritual, as in the case in Isa. x: 13. "The Assyrian (the oppressors of God's people) make their boasts in removing the bounds of the people (or land marks.) God tells his people not to be afraid of them, for yet a very little while and the indignation shall cease, and mine anger in their destruction." 24, 25 v.

Hosea says the Princes of Judea were like those that remove the bound, v. 10. The spiritual leaders in Israel remove the bound, and make sad the heart of the humble seeker. This has been done undoubtedly since the days of the going out of Egypt, but never in so general and in such a peculiar manner as within the last thirty months. Hence the pressing necessity for God's people to set their hearts toward the highway which they went, and look well

to, and remember their *way marks* and *high heaps*, or as Jesus taught those in the Philadephi church "to hold fast that which they had."

Our object then is to present in a prophetic and spiritual point of view, the way marks and high heaps which the people of God have bitterly experienced in these last days.

In directing your mind to this great and all absorbing subject, I wish you to look back on your *pathway* to the year 1840, when the subject of the preaching of the second Advent of Jesus aroused the dormant feelings of his people to examine their bibles as they never had done before. The best view, and I know not but the only one which was published down to May 1844, will be found in volume I of the ADVENT SHIELD and REVIEW, under the head of *Rise and Progress of Adventism*, Article II. As all of my readers may not be privileged to see this standard work which marks the Second Advent believer's *pathway* as above stated, I shall take the liberty occasionally to make some quotations therefrom to show the motives, feelings and determinations, of some of those who led the way in this glorious work. But to the subject of the text. Where in the Bible do we find the light in our pathway, showing us in 1840 what to call our

FIRST LAND MARK AND HIGH HEAP.

A Proclamation of the everlasting Gospel! John in vision says, "And I saw another angel fly in the midst of heaven, having the everlasting Gospel to preach unto them that dwell on the earth, and to every creature, and kindred, and tongue, and people, saying with a loud voice, fear God and give glory to him, for the hour of his judgment is come." xiv; 6, 7. Now every one knows, or must see, that this angel symbolizes messengers or teachers preaching the everlasting gospel just before the judgment; for the next angel that follows announces the fall of Babylon just before the end of time. Furthermore, invisible angels have never been known to preach to men. Respecting 'the hour of God's judgment is come,' there must be order and time, for God in his judicial character to decide the cases of all the righteous, that their names may be registered in the Lamb's Book of Life, and they be fully prepared for that eventful moment of their change from mortal to immortality.

Respecting the time and order of this everlasting gospel, Jesus has given the same view in the 24th ch. of Matthew, his answer to his disciples respecting his coming and the end of the world, (or as Campbell translates it, 'the conclusion of this state,') he says in 14 v., "And this gospel of the kingdom shall be preached in all the world for a witness unto all nations, and then shall the end come." What end? See Campbell's translation. "And these good tidings of the reign shall be published through all the world for the information of all nations, and then shall come the end," or as he said in the 3v., "the conclusion of this state," the closing of the gospel dispensation. It is clear that it is not the same in time that Paul speaks of in A. D. 64 to the Col. that this gospel had then been "preached to every creature under heaven." Now at the hour of God's judgment it is to be published *only* to every nation, and kindred, and tongue, and people, and not as it had been to every creature under heaven."

Without pursuing the subject any farther, we say the only clear understanding of this proclamation at the hour of God's judgment in Rev., is the preaching of the Second Advent, and the reign of Christ in the new heavens and new earth, and that the angel that John saw represents messengers delivering a message with a *loud voice* (that the sound may be heard throughout all these nations,) was William Miller, of Low Hampton, N. Y., and all others who believed and honestly taught the same doctrine, and that this doctrine has been published, by books and preaching, to every nation under heaven, is clear, and not *now* disputed; and that I have given what all Advent believers admit and teach is the clear understanding of the text. Is it possible for any one to show that this proclamation in the text has ever been published to every nation and kindred under heaven since the days of the Apostles. I think history will be searched in vain for it, and if it has not been faithfully given since 1840, then I think it cannot through the instrumentality of man. Then if, as we have shown, this prophecy is fulfilled, it never can occur again. That it is done I have not the shadow of a doubt.

The commencing of the way. Father Miller says his first lecture on the Second Advent was in August, 1833. Advent Shield, page 57, says, "His first course of lectures in Chardon Street Chapel, Boston, constituted altogether a new era in the history of Adventism." This was in the winter of 1840. In March following the first paper was

issued by J. V. Himes, called the SIGNS OF THE TIMES, relating to the second coming of Christ. By this means the subject was made public throughout the land.

October 14 same year the first Second Advent Conference convened in Boston, at the close of which they sent out their first circular to the world. Before the close of the memorable year 1840 this glorious doctrine of our coming Lord was fairly under way. The flying angel or messengers now began to move from the very same quarter of the Globe where, sixty years before, the sun was darkened and the moon refused her light, to issue the Proclamation of the reign of Christ and give the world their last warning.

To show how this glorious work was progressing, I will make an extract from two letters published in the Signs of the Times, April 15th, 1840. The first is from the pen of Elder D. Millard, Portsmouth, N. H.; he says: "On the 23d of January brother William Miller came into town and commenced a course of lectures in our chapel on the second coming of Christ. During the nine days he remained, crowds flocked to hear him. Before he concluded his lectures a large number of anxious souls came forward for prayers. Our meetings continued every day and evening for a length of time after he left. Such an intense state of feeling as now pervaded our congregation, we never witnessed before in any place. Not unfrequently from sixty to eighty would come forward for prayers in an evening. Such an awful spirit of solemnity seemed to settle down on the place, that hard must be the sinner's heart that could withstand it. All was order and solemnity. Generally as soon as souls found deliverance, they were ready to proclaim it, and exhort their friends in the most moving language to come to the fountain of life. Our meetings thus continued on evenings for six weeks. For weeks together the ringing of bells for daily meetings rendered our town like a continual Sabbath. Indeed such a season of revival was never before witnessed in Portsmouth, by the oldest inhabitant. It would be difficult at present to ascertain the exact number of conversions in town. It is variously estimated at from 500 to 700. Never while I linger on the shore of mortality, do I expect to enjoy more of heaven than we have in some of our late meetings, and on baptizing occasions. At the water side thousands would gather to witness this solemn institution, and many would return from the place weeping.

The second letter is from Elder Fleming of Portland.—
“ Things here are moving here powerfully. Last evening about 200 requested prayers, and the interest seems constantly increasing. The whole city seems to be agitated. Br. Miller's lectures have not the least effect to affright; they are far from it. The great *alarm* is among those that did not come near. But those who candidly heard are far from excitement and alarm. The interest awakened by the lectures is of the most deliberate kind, and though it is the greatest revival I ever saw, yet there is the least passionate excitement. It seems to take the greatest hold on the male part of the community. What produces the effect is this—Br. Miller simply takes the sword of the spirit, unsheathed and naked, and lays its sharp edge on the naked heart, and it cuts!! that is all. Before the edge of this mighty weapon Infidelity falls and Universalism withers. False foundations vanish, and babel's merchants wonder. It seems to me that this must be a little the nearest like Apostolic revivals of any thing modern times have witnessed.” April 6th he writes again,—“ There has probably never been so much religious interest among the inhabitants of this place generally, as at present; and Mr. Miller must be regarded directly as the instrument, although many no doubt will deny it; as some are very unwilling to admit that a good work of God can follow his labors; and yet we have the most indubitable evidence that this is the work of the Lord. At some of our meetings since Br. M. left, as many as 250, it has been estimated, have expressed a desire for religion, by coming forward for prayers; and probably between *one* and *two* hundred have professed conversion at our meetings; and now the fire is being kindled through this whole city, and all the adjacent country. A number of Rum-sellers have turned their shops into meeting rooms, and those places that were once devoted to intemperance and revelry, are now devoted to prayer and praise. *Infidels, Deists, Universalists,* and the most abandoned *profligates* have been converted. Prayer meetings have been established in every part of the city by the different denominations, or by individuals; and at almost every hour—I was conducted into a room over one of the banks, where I found from thirty or forty men of different denominations, engaged with one accord in prayer, at eleven o'clock in the day time! In short it would be almost impossible to give an adequate idea of the interest now felt in this city. One of the principal booksellers informed me that he had

would more bibles in *one month*, since Br. Miller came here, than he had in any four months previous."

We might go on multiplying accounts of the like nature from other places if it were necessary; but we think this will suffice to convince the honest hearted.

The Second Conference was another glorious gathering, in the city of Lowell, June 15—17, 1841. This was another time of deep interest, and gave a new impulse to the cause here. Br. J. Litch gave the history of the Ottoman empire, which closed up the sounding of the sixth angel and second woe, as he had stated would take place on the eleventh day of August, 1840, some two years previous, by calculating the prophetic numbers in ix ch. Rev. The attention of most all classes had been turned to the proceedings in the East, to see if this prediction would be fulfilled. Here then was where the flying messengers began to make their message tell! and faith in the Advent was much strengthened, and the believer's ranks hourly increasing. In the spring of this year, Father Miller, Elder J. V. Hines, and Elder Cole, visited the southern part of Massachusetts and Rhode Island. In Fairhaven and New Bedford the subject had been previously presented, but now it seemed to be fanned up to a flame that the luke warm and cold hearted professors could not withstand. The clergy were called upon to hold a meeting to canvass this subject. A large majority of them met and organized; read and prayed, and undertook to examine the visions of Daniel. Adjourned for further consideration; reassembled the next day; and closed their convention by giving the vision to a dead man, even Antiochus Epiphanes. "And so they wrapt up the matter." Opposition from various quarters began to arise; but the cause was hourly increasing and spreading through the land among the honest and faithful.—In October the third conference was held in Portland, Me. Here a new impulse was given to the cause in that section of the country. Conferences were held in other places during the winter particularly in New York city, Ct., N. H., Vt., &c.

In May, 1842, a general conference was again convened in Boston, Mass. At the opening of this meeting Br. Chs. Fitch and A. Hale of Haverhill, presented us the Visions of Daniel and John which they had painted on cloth, with the prophetic numbers and ending of the vision, which they called a chart. Br. F., in explaining the subject said in substance as follows: he had been turning it over in his

mind, and felt that if something of this kind could be done, it would simplify the subject, and make it much easier for him to present it to the people. Here new light seemed to spring up. These brethren had fulfilled a prophecy given by Hab. 2468 years before, where it says, "And the Lord answered me and said, *write the vision and make it plain upon tables, that he may run that readeth it.*" This thing now became so plain to all, that it was unanimously voted to have three hundred of these charts lithographed forthwith, that those who felt the message may read and run with it. A campmeeting also was appointed for the first time, and convened the last week in June, at East Kingston, N. H., where an immense multitude assembled to hear the glad tidings of the reign of Christ. Now—to use a figure—the Advent ship was making such rapid onward progress under her cloud of well trimmed sails, that all the opposition of currents and adverse winds, (traditions of men) could not check her career. Campmeetings and conferences were being multiplied throughout the middle and northern States and Canada, and the flying angels or messengers of this "judgment hour cry" were seen moving, with all the speed of locomotives, on railroads and in steamboats, passing from place to place, "saying with a loud voice, the hour of his judgment is come." Here too, God, "looking down from the height of his sanctuary," fulfilled his promise, and multiplied earthquakes in divers places, and fearful sights, and great signs in the heavens. Also, as said the Apostle Peter, they should prophecy, dream dreams, and see visions. I believe it was generally admitted on all hands, that history had never recorded the like within the compass of so few years, since the days of the first Advent. Who among the many thousands that crowded to the camp and great tent meetings about this time, at East Kingston, Littleton, Taunton, Salem, &c., does not distinctly remember the crowded steamboats, the overflowing cars, the jammed stage coaches, and almost all kinds of travelling vehicles, filled with men women and children; besides foot passengers crossing and re-crossing from every cross road, and almost every by-path, pressing into the great thoroughfares, all making their way to or from the Second Advent campground; many of them probably to gratify their vain curiosity, while thousands of others were filled with anxiety to learn the truth of this (said to be) new doctrine, by listening to these flying messengers of God, who were "saying with a loud voice, fear God and give

this out of no wrong feelings to a once long and tried friend.
I think it belongs to the cause.

Here, then, we say the world received our last warning,
And although 30 months have rolled away since that crisis,
I have yet to learn of one individual that has been brought
into that state where that Gospel required the church of
God to stand and pass through the fiery furnace of affliction.
If the three cries of the 14th Rev. 1st, 3d and 4th
way marks are in the past, as I think I have clearly proved,
it is utterly vain to look to the nominal church for any such
individual. And if the great majority of advent believers,
and especially the preachers, as I have shown particularly
in the sixth "*way mark*," have drawn back from this peculiar
work, and I think it is as plain as that two and two
make four, that they have; then it will be utterly futile to
believe that any of the converts they claim to have been
converted to their faith since that time can be saved, unless
they send them to a higher standard than they aim at themselves.
"If any man shall draw back, my soul shall have
no pleasure in them." The vital commandment in the decalogue
is set at naught and trampled upon by them. Inspiration says,
"He that turneth away his ear from hearing the law, even his
prayer shall be abomination." "How long refuse ye to keep my
commandments and my laws," the seventh day Sabbath. Exod. xvii: 28, 38.
They boast much about keeping the commandments that lead into the
gates of the city. But inspiration says again, "If we fail
in one point we are guilty of all." And yet they rush on,
claiming, as I was told yesterday by an individual, that he
knew all he wished to on this subject.

It appears plain to me that if those that were truly in the
work when the cry ended, had continued to exhort and
pray, and labor with those which were willing to unite, that
ten would have been saved that are now lost, for every
one which is said to be gained by going out to preach as
had been done before, "*Remember Lot's Wife.*"

THIRD WO.—IS IT COME?

"And I beheld and heard an angel flying through the
midst of heaven saying with a loud voice, "Wo, wo, wo,
to the inhabitants of the earth, by reason of the voices of
the trumpet of the three angels which are yet to sound."
Rev. viii: 13. In xiv. chap. 6 v., John says, "I saw another
angel," &c., referring to one before, which must be this

with the three woes. When the fifth angel had sounded 150 years the first wo passed, ix. chap. 1, 12. When the sixth angel had sounded 391 years and 15 days, the second wo passed, ix: 13; xi: 14. See also J. Litch's Prophetic Prophecy, Vol. II.

What I wish to show here is, that there is no distinction between the woes and trumpets. I think no one will be able to show any. Therefore the three woes and the three trumpets are the same. The messengers in examining this subject declared that the sixth trumpet ceased to sound and the second wo passed on the 11th day of August, 1840.

It is then declared that "the second wo is past, and behold the third wo, or the seventh trumpet, by a voice which is the same, "cometh quickly." This word denotes a short period in almost every instance in the scriptures. In this case we say it was four years and two months. Then of course it is clear if the seventh angel is sounding, the third wo is come.

If the wars and various calamities which fell upon men under the fifth trumpet, made it a wo trumpet, and the wo under the sixth trumpet still more severe in the wars and cholera, and various epidemics, do not the awful calamities which have and are taking place in the world, teach us plainly that a greater wo than these has already come? I think Jesus has taught us this plainly in xxii. Luke, in the signs which should precede his coming, viz. "Distress of nations, with perplexity, sea and waves roaring, men's hearts failing them for fear, and for looking after those things that are coming on the earth, for the powers of the heavens shall be shaken." And then the Son of Man will come. Since the fall of 1844, these have been increasing in various ways, until men's hearts now begin to fail. Here lies before me a pamphlet of 83 pages, entitled, the *Voice of God*, or an account of the unparalleled *Fires, Hurricanes, Floods, and Earthquakes*, beginning with 1845; also, *Pestilence, Famine, and Crime*—compiled by Thomas M. Preble. Since this work was issued at the beginning of this year, the periodicals of foreign countries and those of our own boasted happy Republic, show that these calamities among men are still increasing to a fearful extent. The inhabitants of many nations are at their wits' end. A great portion of them have heard that the people of the United States are happy, and have got bread enough and to spare, and they are crowding with their friends and families on ship board, and are almost daily reaching our sea-

Now comes again "the law of Moses." *Types.*— Now understand me ; I want you to see what I have partly stated in the fifth way mark. "THREE times in a year shall all thy males appear before the Lord thy G. d." First is the feast of unleavened bread, i. e. the Passover. (2d.) Feast of weeks. (3d.) Feast of Tabernacles, in Deut. xvi: 1-16. The reasons are given. The details and explanation are principally in the xxiii. chap. of Lev.

Let us start now understandingly. These three feasts are typical of three of the most important events to transpire in this world from the first to the second advent.

(1st.) Was the crucifixion of our Lord at the *Passover* feast?

(2d.) Fifty days after, or the 7th week feast, the day of Pentecost, A. D. 31.

Now as these two feasts have been perfectly fulfilled, we have nothing farther to do with them here.

(3d.) Feast of Tabernacles on the 15th of the 7th month. This undoubtedly represents the gathering of all Israel at the ingathering of the harvest, the end of the world, and will have a perfect fulfilment here.

Now let us examine closely ; for here I think we shall find the longitude of our ship, which will enable us to correct our *dead reckoning* preparatory to receiving the time when we shall enter the glorious harbor of rest.

Here then in this third and last feast are three types each marked by time making perfect order in their fulfilment.

1st. 24th. v. Is the memorial of trumpets on the 1st day of the 7th month? In the 7th way mark we think we have shown how this is being fulfilled, viz. sounding the seventh trumpet. If any one doubts respecting this, the next type will make it clear.

2d type: "Also on the 10th day of the 7th month, there shall be a day of atonement. Ye shall afflict your souls from even to even shall you celebrate your Sabbath," i. e. it shall be a 24 hour day. Here in this type the people were all these 24 hours in a deep state of trial, afflicted for their sins, waiting around the Tabernacle, while the High Priest was performing the services in the "most holy place," making the atonement for the sanctuary, himself and people ; and when he comes out he pronounces the blessing, and then the day of affliction is over until the next year. Now mark. God was so particular to have this type fulfilled, that he made it a standing order that whosoever would not be afflicted in that day, should be cut off from among his

people. Now if I can show the fulfilment or antetype to this type, will you believe?

First, then to be perfect in time it must begin on the 10th day of the 7th month, and no where else. Then please look back to the 10th of the 7th month, 1844, where all the virgins were out looking for the Bridegroom, or as in the type, waiting for Jesus our great High Priest, to finish the atonement for the sanctuary and ourselves, and bless us by his glorious appearing. At this point of time our disappointment when the day came and no indications of our Lord's coming was intense. Here then all the honest and sincere virgins were plunged into a furnace of affliction, which they could not avoid, and have been wading through it these last thirty months. This has been such a universal and simultaneous affliction, presenting itself in all its various forms, prophesied of by prophets and apostles, that it is impossible for advent believers to deny without apostatizing from the faith. They have likened it to the passing of gold and silver through "refining fire." Peter says we must not "think strange concerning it." James calls it the patient waiting time. John calls it the patience of the saints. The angel Gabriel was also instructed respecting the holy people in the last days. He said they should be *tried*. When we say we are looking for the Lord, we virtually acknowledge all this in the past, for it would be perfect folly to say these trials would come on the holy people after the resurrection. This history is in perfect accordance in the time and manner with the type. Indeed if this is not clear and admitted, we should forever despair of appealing to the conscience for testimony. Here then we say is the perfect antetype to the 10th day of the 7th month affliction. For if the universal and peculiar trials to God's people have not yet come, then vain is our hope of the second advent here. Do you doubt now whether the seventh trumpet, the first type of these three, is sounding, you must see that these two types are 10 days apart. In time therefore the seventh trumpet must sound, first to usher in this very affliction. And now see there is but one type more to be fulfilled in this last feast; and this is the feast of Tabernacles, which cannot take place in April nor May, nor any other month but the 15th of the 7th month. The fulfilment of the two preceding types prove this position. O God, I thank thee for the clear light that arises from this feast of Tabernacles.

Then we say at the commencement of this second type, the symbol of our trial, was where the Bridegroom came,

trumpet, and after the third angel's message, and before six of the seven plagues are poured out.

I am aware that all this can be objected to. So can the whole vision. But it does mean something which took place in heaven. And who that will read Leviticus xvi: 29—34, and xxiii: 27—32, where the type is presented every year can ever doubt but the antetype will take place here on the 10th of the 7th month, where the appointed time must end (2300 days) and Jesus after his marriage enter the Holiest of Holies, and commence the cleansing of the sanctuary; as John has it, "prepare mansions in my Father's house." Jesus says emphatically, "after I have prepared a place for you, I will return and take you with me." Is not this the New Jerusalem? and does he not prepare it before he comes for his saints? This must be the cleansing or justifying the sanctuary. And we say again there is no other place or time for it to take place. And as it respects the history, the only place and time that God's people did simultaneously go out to meet the Bridegroom was on the 10th day of the 7th month, 1844. A more perfect fulfilment never has taken place before. Who can see any thing like this in the future?

Now as our experience shows such a perfect fulfilment of events, where in our history should we look for this important event to take place, if not in the text and types, "And the Bridegroom came, and at the end of the appointed time, (2300 days) where the sanctuary is to be justified or cleansed?" Here, then, we say is the commencing of this important work. Here is the beginning; and Joel tells us when it will be finished or cleansed. When the "Lord roars out of Zion, and shakes the heavens and earth," (see Hag. and Paul's description, also,) "then shall Jerusalem be holy." The Bridegroom will then have changed his title to that of king. At this point of time I think is where John saw the crown on his head. This certainly is before his coming, and after the shaking of the powers of heaven. And that has not yet been done, but is the very next sign in order. What next? The sign of the Son of Man. What next? Jesus coming in the clouds of heaven. Now this is the order Jesus has given us himself—why cannot we believe it? I know it is easy enough for any one who does not search the scriptures very diligently or give any stretch to his thoughts, to say that all these events can, or will take place when Jesus comes. It might just as well have been said that when the sun was darkened

ed, the stars fell, but we clearly see there was time and space for both. So there will be for all the signs given. This subject of the coming of the Bridegroom has also been ably discussed, and very clearly seen and admitted. The backsliding of its principal advocates is no more proof of its non-fulfilment, than that there has been no Midnight Cry, because the same class of people have rejected it. The scriptures are our guide. This has been the great scape goat or loop hole, for a certain class to *crawl* away from the position they had taken, into more *respectable congregations* and society, and confess this the great error they had been led into, when in fact their hearts were filled with unbelief respecting the short distance they had travelled in the pathway after the fall of 1844. The proof of this is clearly seen in their concessions and confessions to them that retreated back after the cry to what was called the broad platform, the tarrying time in the spring of 1844. They are about all united now in doing the work over again, and in finding fault with the shut door people. I am aware this is plain language, but I speak *advisedly*. My heart has been burdened and pained while I have been watching the progress of backsliding Israel.

MARRIAGE.—“And they that were ready, went in with him to the marriage.” I know it reads so, says one, but is it a literal wedding or marriage? No, it is a figurative representation (as we have shown) of a union effected between Christ the Bridegroom, and his Bride, the New Jerusalem in heaven; and when this took place the church here below were all brought into a certain state (‘READY’) and participated in the union. This must necessarily be so, for Christ being the vine and the church the branches, also the head and the church the body, one could not move without the other. Again, Jesus says, “My sheep hear my voice, and they follow me.” Therefore when Jesus leaves the mediatorial seat to be united to his Bride, the church will as necessarily move as the body does when the head turns round. Now we say that our history on the 22d of October, 1844, was a perfect fulfilment of the figure or parable given to illustrate it. See “*While they went to buy, the Bridegroom came, and they that were READY went in with him to the marriage.*” Here at this point the heavens rang with song and praise, “the voice of a great multitude, and as the voice of many waters, and as the voice of mighty thunders saying, Alleluia, for the Lord God omnipotent reigneth. Let us be glad and rejoice, and give honor

can understand how the door is shut. Christ says he is the door. Then when he rises up to leave the office he has been fulfilling these 1800 years, and moves to the most holy place to receive his *dominion* and *glory*, and a *kingdom*, then he virtually shuts the door, and the work for the church is as necessarily changed; because as his sheep they follow him. Now as I have shown in the preceding chapter that this work precedes his advent and must be done on the 10th of the 7th month to fulfil the type and the parable of the virgins, and his people here on earth must participate and do their part, as was done in the type, and it must be something just like what has taken place, and will be known and believed in by God's true children, and history has not recorded any thing like it in the past down to October, 1844. Neither has it transpired since in the 7th month of 1845 or '46. Neither can any thing like it take place again by the virgins in the parable, for they are divided and subdivided, without a possibility of a union. Therefore if it is to be done in the future, it must be by an entirely new set of believers that are united as the virgins once were, when "they all arose and trimmed their lamps to go out and meet the Bridegroom." How clear it is then that the door was shut as I have shown, on the 10th day of the 7th month, 1844, and no where else. And that here ended Daniel's appointed time, 2,300 days. Why end here? Because they were to end at an "appointed time," viii 19. Hab. says at the end it shall *speak* and not lie, and then if it tarry, wait for it. This is precisely what we are now doing. Then it has spoken at an appointed time, 22d Oct. 1844, and now is the tarrying of the vision.

It must be pretty well understood by this time how the Advent Herald and its associates have derided those that adhere to this view since the noted Albany conference, and how repeatedly they have cited us to the future for the cleansing of the sanctuary at the ending of the 2,300 days. Now see them making another tack to windward! Here it is: "We shall continue to believe what we have constantly taught, [we should like to see how often since the Albany Conference,] that the 2300 days began about B.C. 457, and must end at a point of time not remote from 1843, as Wm. Miller first taught. The time is past to which the majority of evidence in our minds pointed for their termination."—Advent Herald, Feb. 24. In a few weeks after this, the old chart is drawn out from the rubbish to which it had been exposed through neglect and uselessness and hung up

in a conspicuous place in the meeting for reference again, and hailed with joy as an old particular friend. Not by all, for another division has taken place, which is another proof of the unsettled state respecting their true position. A true position they have never had since they began to repeat their message after the Bridegroom came and the door was shut. Their admission of the 2,300 days in the past necessarily acknowledges the principal part if not all which we have claimed, or they may acknowledge it to be so without fulfilling prophecy. They don't show what sanctuary is being cleansed at the end of these days. Luke shows clearly that after the door is shut, those that are outside will begin to knock, and when they are denied admittance, they will tell of the wonders which they have wrought, and still the reply will be "I know you not." Matthew is as clear. He says, "afterwards came also the other virgins, saying, Lord, Lord, open to us. He answers, I know you not." After when was this knocking? Why, after the door was shut. Now I ask if the door is not shut before the second advent, unless this knocking afterwards can be proved to be after the change to immortality. And that can be admitted only on the unscriptural ground that the wicked will be also immortal. But according to Paul's order of the the resurrection, a gulf will be between them immediately, and those outside cannot knock for admittance, but we are told that their cry will be for "rocks and mountains to fall on them." Then the knocking will be in this present state as it has been, and now is, clamoring about the door, in favor of backsliders and sinners when they have hardly any faith respecting their own true position—changing like a ship beating to windward in a heavy head beat sea, losing ground on every tack. Some have attempted to show in Luke xiii, that the 28th and 29th verses were a proof that this knocking would be after the advent. I think it shows the reverse. "Weeping and gnashing of teeth," certainly is not knocking for an open door, but shows, as it is stated, that had already been done. What does the apostle Paul call an open door? He says to the Cor "For a great door and effectual was open unto me;" xvi: 19. "How he (God) had opened a door of faith unto the Gentiles;" Acts xiv: 27. "Praying also for us that God would open us a door of utterance to speak the mystery of Christ;" Col. iv: 3. "When I came to Troas to preach Christ's gospel, and a door was opened unto me of the Lord;" 2 Cor. ii: 12.

Paul's open door, then, was the preaching the gospel!

with effect to the Gentiles. Now let this door be shut, and the preaching of this gospel will have no effect. This is just what we say is the fact. The gospel message ended at the appointed time with the closing of the 2,300 days; and almost every honest believer that is watching the signs of the times will admit it. I know it will be said "why you have, or would close the door of mercy!" There is no such language in the Bible. I have no desire nor wish in my soul to see my worst enemy lost. I think I have made it manifest for the last twenty years, and am still willing to do what I can to save those that will help themselves. But I am perfectly sensible that it cannot be done only in God's appointed way; and all that will walk under the shadow of his wing will rejoice at the fulfilment of his word, although their hearts may be burdened and pained at seeing the opposite in their friends.

I think I have fully proved this eighth way mark and high heap in our pathway, that the Bridegroom has come, the marriage is past, and the door is shut.

"Come, my people, enter thou into thy chambers, and shut thy doors about thee for a little moment, until the indignation be over past;" Isa. xxxi: 20.

NINTH WAY MARK.—THE PATIENCE OF THE SAINTS KEEPING THE COMMANDMENTS OF GOD AND THE FAITH OR TESTIMONY OF JESUS.

"Here is the patience of the saints; here are they that keep the commandments of God and the faith or testimony of Jesus;" Rev. xiv: 12.

Here we come back again to the history of the advent, at the closing up of the messages of the three preceding angels. When the last had delivered his message in 9—11 v. the same as brought to view in xviii: 4, John sees this company on the picture before him—the saints in their *patience* "keeping the commandments of God and the faith of Jesus." This is an entire different company from those that had just passed before his eye. These are some of the same company seen in the sixth way mark, the Philadelphia Church. Jesus marks them by saying, "Because thou hast kept the word of my *patience*," &c. &c. Then, as we have shown, this church had come out of the fifth, the Sardis state, which we called the nominal church, precisely the same which the third angel speaks of as "having the mark of the beast and his image in his forehead and hand," in xiv: 9, that had just preceded the last. He marks the

time by showing them to be in the patient or trying time, just where the virgins were placed after they came out of the churches in the fall of 1844. What were they doing? We say they were keeping the seventh day Sabbath. John knew perfectly well what the commandments of God were. He sees them persecuted by the old dragon in the previous chapter, but did not say who and what they were until he had this view, only that they were a remnant (the last end, after all the rest had been cut off from them). Here then in the xiv. chap. he designates them under an entire different character from their former associates. He could not nor does he say that those from whom they had separated kept the commandments; but this last company had been keeping nine of them, (or they could not have been made *white*,) but John does not give them or the others any credit for keeping a part, for James has said they were a *perfect law* and "if we offended in one point, we should be guilty of *all*." Therefore as soon as he saw them keeping the fourth commandment which had been trampled under feet, he cries out, "Here are they that keep the commandments of God." Every person of common sense that read their Bibles must know that not one particle of proof can be produced therefrom to prove that the keeping of the first day of the week is any more the keeping of the fourth commandment than keeping Thursday. Here, then, I prove is the difference that John saw. Here our history comes in again to fulfil this very point, as I have stated in my late work on the Sabbath, (see 58 and 59 pg.) and it binds down all the other way marks as it came to us, after we entered the furnace of affliction, and has been increasing ever since. Does not this company which you can and most likely do point out by name, in your different cities and towns, prove to a demonstration that the third angel's message is, and must be given before there could be a company found as stated in 12th v. This is the remnant that is to be saved out of all the great company that published the good news and glad tidings of a coming Savior. "Blessed are they that DO his commandments, that they may have right to the tree of life, and enter in through the gates into the city;" xxii: 14. Now this people are to be saved for keeping the commandments of God and the faith or testimony of Jesus.

Then it will be very important to know what the commandments of God are, separate and distinct from the commandment and testimony of Jesus.

glory to him, for the hour of his judgment is come," in other words, "the end of all things is at hand." We believe that Christ will come in 1843. It was also called the "midnight cry." And who does not also remember the thousands of happy converts to this glorious doctrine, who began immediately to *purify* themselves (as said the angel Gabriel) by breaking off from all their sins and turning to God, so that not only on the camp ground, but from the highways, stages, steamboats and rail cars, the songs of "Alleluia" to the Lamb, and shoutings to the most high God, resounded and filled the air as we passed along.—Were these people mad or crazy? Why were they not afraid or ashamed so to disturb their fellow passengers, who had paid their fare for quiet and respectable accommodations? Because they believed the Message was true. It said "fear God and give glory to him," and as they obeyed, the fear of man departed. Some said we were crazy—but we heeded them not. Many say we are not only crazy, but fools, for the position we have taken, since the time past—but this does not trouble us much. We believe this will soon be tested, and we fear not the result. How was it that the city authorities, and the railroad directors at the Salem depot allowed so many hundreds of these crazy fanatics to fill up their buildings and recommence their meeting, in shouting and praising the Lord, for about two hours, while waiting for the cars that had been detained on the track? One reason no doubt was, they did not see that we were so much out of the way, as they were reaping such a rich harvest from our fare; and another perhaps more powerful reason was, that they were convicted of the truth of this doctrine. For according to accounts from there soon after, it appeared that the whole city was shaken by the power of these truths. Here I might go on and multiply facts of a similar nature in various places, but my limits will not admit of it.

Laborers now began to cross the great Atlantic to sound the cry. A paper was now established in New York called the "Midnight Cry." As 1843 was ushered in the cause seemed to move forward with redoubled energy. It might well be said the virgins now took their lamps (bibles) and went forth to meet the Bridegroom. Do not forget this literal fulfilment. Hardly an Advent believer in their camp and conference meetings, but what was furnished with a bible, to give them light.

As it is not my object to enlarge this work, I would

again refer the reader to the Advent Shield for information respecting the many interesting events, scenes and disappointments, in the passing of times, and so forth, down to the end of the Jewish year 1843.

Before the close of this memorable year, conferences were appointed to be held in New York, Philadelphia, Baltimore, and finally Washington city, to re-arouse and give the last warning, and if possible, wake up and warn the household of Caesar! This was a season of thrilling interest to all who truly loved the Second Advent doctrine. Br. G. and myself passed through these cities down into the slaveholding States, where we found a great number of white people ready and anxious to hear the doctrine. But the poor slaves feasted upon it, especially when they learned that the Jubilee was so near at hand. They seemed to drink it down as the ox drinks water, and from what I have since heard, I believe that many of them will be ready when Jesus comes. As we passed on from county to county holding meetings, I one evening observed one of my hearers very uneasy. He came and got hold of me after we had closed the meeting, and says, you must go home with me. I introduced him to Br. Gurney, my companion. He said we must both go. After we were in his coach underway for his plantation, he asked his wife if she remembered the dream which he related to her a few mornings since. She said yes. Well, said he, these are the two angels which I saw in that dream. Said he, while I was listening to your discourse, I thought I had seen you before: I now remembered my dream of seeing two angels, that had come with good news, or something to this amount, and much more that I don't now remember.—Your countenance and sallow complexion and mark (mole) on your cheek, are clear and distinct. This so impressed his mind and his neighbor's also, to whom he related the dream and the message which we had delivered in five lectures, that we were earnestly entreated to stop and give them more light on this absorbing subject. We could not, for our appointments were ahead. What gratified us much was, he gave his coachman orders for all hands (his slaves) to go to meeting. This was just the thing we wanted, for we had ere this learned that the great burden of our message was to the down trodden and oppressed slave, and we trust some will be found there on the rock when Jesus comes.

When we had closed our lectures here, the coach of Mr

He was ready to convey us some 25 miles to our next appointment. He related his dream to his friends on the way and where we arrived, and said at parting, "I would be willing to sacrifice all the property I have if I could be in your situation." God grant he may be saved, with all that are willing to make the like sacrifice.

As I have quoted Peter on this subject to prove that these things would be in the last days, I will just give one instance more, out of the thousands that could be named of others, in different places, during this loud cry. For some days my mind had been burdened to go with this message to Block Island, some thirty miles at sea from Newport, R. I. Objections and entreaties were thrown in my way, as in the case just mentioned, that the slaveholders would kill me because I was an abolitionist. Now there was no way for me to go in the dead of winter, and I never had been there; I was an entire stranger, and what did I expect to do? I said, God knows best. This I know, I have got to go. Finally all objections were removed. If God had directed it was of course my duty. Through much anxiety and difficulty, mingled with joy and satisfaction, I at length reached there on Sunday, (not the Sabbath) I met the Minister and people coming from the forenoon meeting. After making myself known to the Minister, he introduced me to his Deacon. He said to his companion, (as it was soon afterwards told,) that is the man I saw in my dream, I think he said night before last. He came here from the east to bring us news, or good news. The Justice of the peace pressed me to call and see him. I did so, and at the time I had in my hand an unbound book. He seemed somewhat agitated, and wanted to know the contents of the book, and if I would not let him have it. Said he, in my dream the other night, I saw a man here from the east with good news: he held a letter in his hand, and I thought there was fifty dollars in it for me. A few evenings after this, to the astonishment of his neighbors he heartily confessed his opposition, came over on the side of truth, related his conviction for sin, his singular dream, and conversion. Said he, my dream is interpreted: instead of fifty dollars in that letter, (I had been reading some extracts from Litch's Prophetic exposition) I have received that which is far beyond it, (or to this effect,) and that's the man I saw. From another neighborhood here, a woman related her dream about the chart, which had not been known here, described it hung up over the pulpit; as the

house was constructed, this was the only place we could hang it to explain from. Now I ask, were these dreams from God or the Devil, judge ye? One thing I know, that I never had such a peculiar burden for any other place I visited during this loud cry, as these two, and I returned perfectly free and joyful, satisfied in my own mind that I had obeyed the Lord, and all that was done would result to his cause. "To him be all the glory, Amen."

All attention was now called to the long looked for period, the end of the Jewish year, viz, the 17th of April, 1844. We had rallied down to this point buoyant with hope and expectation, bible in hand, (our lamps) to meet the bridegroom, expecting certainly that "the Lord himself would descend from heaven with a shout, and Daniel with all the just would stand in their lot." Here we were sadly disappointed. But the world was glad, and said to us, "You see now what we told you—we were right. You thought you knew more than your neighbors. Now go and make your confession, and be reinstated in your former position." Though we could not see the meaning of our disappointed hopes, the response to our prayers was, God will justify his word, it will "not return to him void." And this word said, "Light is sown for the righteous," (Prov. ii : 7,) and our minds were made up to wait for it. Our reply was, never! Go back to what? darkness, confusion, Babylon! No, no. We have experienced too much of the power and glory of God, to yield this "*waymark in our pathogy*." If there is no other difference to be seen, one mark is sure; we have been honest, and you have not.

At this important crisis the "Advent Shield" was published, reviewing all the past, especially the prophetic chronology, showing positively that our *waymark* was sure.

Now see page 37. "We look upon the proclamation which has been made, as being the cry of the angel who proclaimed, 'The hour of his judgment is come.' (Rev. xiv : 6—7.) It is a sound which is to reach all nations; it is the proclamation of the everlasting gospel. In one shape or other this cry has gone abroad through the earth, wherever human beings are found, and we have had opportunity to hear of the fact. The story for instance, which was started by the New York Sun, that Mr. Miller had fixed on the 23d of April, 1843 as the time for Christ to come.—There was scarcely a place *known*, where this report was not heard, and an interest awakened. Again, 92d page—

"No cause of a moral or religious character, probably, ever made so rapid advances, as the cause of Adventism. Its votaries have usually been the most humble, pious, devoted members of the different churches, men and women who love their Lord, and to whom the thought of his glorious advent has been a source of the sweetest pleasure. Never have a set of men labored more faithfully and zealously in the cause of God, or with purer motives. Their record is on high."

What shall we say more? What need of multiplying more testimony to prove this point? *All* advent believers have agreed down to this point. Here then we say is demonstrated our first great *waymark with heaps* to sustain it. Not heaps of stones, but scripture testimony, proved out in our actual experience, which has so completely blocked up the *pathway*, that it cannot be retraced but at the utter destruction of the whole man, body, soul and spirit. This brings us to our

SECOND WAYMARK. TARRYING OF THE BRIDEGROOM.

Matt. xxv : 5. "While the Bridegroom tarried they all slumbered and slept." In overhauling our dead reckoning, and re-examining our past observations, we could discover no mistake. But we did discover one thing which was to us a clear explanation of our text, at the same time so simple that the most we could say about it was, that God had withholden our eyes from this point as he did the two disciples in company with Jesus at his resurrection. And this was that six months had yet to be added to the prophetic periods before we could make them out full and complete. For instance, we now could see clearly that it would take every hour of 457 B. C., and 1843 years after, to fill up 2300 days or years; and so of the seven times of the Gentiles; 677 B. C. and 1843, was only 2520 as given on the chart. Here we see plainly that the commandment to restore and build Jerusalem, did not go forth until the middle of 457; and so of the captivity of Manasseh, B. C. 677. And also that the 6000 year of the world could not be complete until the seventh month, where it commences.

That the *ten Virgins*, a company of Second Advent believers, had been out with their *lamps* (bibles) to meet the bridegroom (Christ) in 1843, was not doubted. That he *tarried*, that is, came not so soon as they expected him,

was also clear. That this company became *drowsy and fell asleep*, and consequently lost a great part of their interest in the doctrine, and especially on *time*, was afterwards fully demonstrated, first by the publication of a letter from one of our leading messengers (Wm. Miller) in the Advent papers, which stated that we must now look for the bridegroom (or Christ) every day until he came. This was generally admitted, but was soon proved to be a great mistake; but it was about the best we knew at that time, (May 1844) for while we were in this *stupid, dark and still* time, (Midnight) a cry was raised, which clearly proved that the Bridegroom could not come until at least three months.

Secondly, by the tens of thousands of confessions which these very same virgins made, at private and general conference, and camp meetings, after they were aroused by a cry at Midnight. So clearly was this part of the parable fulfilled, that I can now hardly remember an individual among all the virgins, that did not confess (and many with pungent sorrow) their stupidity and loss of interest in the doctrine and time of the Advent. It may answer for individuals who seldom visited our general meetings, to deny this fact, but any one who frequented them at this crisis, must have had their ears closed, and been fast asleep, not to have witnessed the multiplied and continual cases of this kind, in all parts of the meeting. But why need I labor any further to prove what almost every living virgin in that company knows was *their* experience. I think it would be as easy to prove that we never had any meetings after April, 1844. I think *this*, with what further additional evidence we shall offer in another place, will sufficiently demonstrate this second *waymark* in our pathway, during this judgment hour proclamation. For we did clearly and literally, according to the representation of an Eastern marriage, fulfil the text in the 5v.; viz: became drowsy and fell asleep, while the Bridegroom *tarried*.

THIRD WAYMARK. THE FALL OF BABYLON.

"And there followed another angel, saying Babylon is fallen, that great city, (What for?) because she made all nations drink of the wine of the wrath of her fornication."—She has made all the world drink from that cup of poison. Rev. xvii: 4. Hence as John says, "the inhabitants of the earth are made *drunk*"—and the only remedy pointed

out by God to heal his people of this awful malady, and make them *sober* again, is to come out of her altogether, for while you stay there you will be continually *drunk* with her poison.

I feel that I have now come to a waymark which has been represented under so many false colorings by the majority of these messengers, making it very difficult for all the honest hearted to keep their eyes upon it long enough to be fully satisfied of its identity, that I need wisdom from God to direct, and by his help I will try, not to go all over the ground, which has been ably done by the minority, but touch some of the points, and show it fulfilled as it stands in our pathway. I at first supposed that this should be called the second waymark, instead of the tarrying time; but I think it will be seen *where* I have placed it, by the time I have described the fifth waymark. It is true it began to be seen before the second one, but its prominency was not fully discovered until we had passed the most trying part of the tarrying time. "And there followed another angel"—that is, during this judgment hour cry, some of the same messengers, with others that had been joining the ranks, commenced the second message, saying as in the text, "Babylon is fallen." Many of the prominent and leading angels or messengers, utterly rejected this message, while others were burdened and pained to be delivered.—This message began to be heard in the fall of 1843, and increased in proportion to the first, down to the tarrying time. Here the subject began to be pretty thoroughly discussed, but still a great number of virgins could not, or would not understand it, on account of the difference of opinion among the messengers. Not that any of them doubted the message being given, for that could not be disputed any more than the first; but what the scriptural meaning of the fall of Babylon was. As the Advent Shield was introduced here in the tarrying time, for the especial purpose of reviewing all the past, so that our standard may be perfect and clear, this subject was canvassed under their iv. article, page 112. *What is Babylon, and what is the fall of Babylon?* They answer on pages 119 and 120, that Babylon is the world, and her fall the coming of Christ. Notice one thing here; the authors of this standard work opposed the giving of this message in its main features. They called Babylon "Babel," "the city of Rome," "the Catholic Church," and lastly "the World." But those that had been burdened with this subject and felt the cry in them, insisted upon

it that these were mistaken, for Jesus had said, "If any man will do his will, he shall know of the doctrine whether it be of God." And they knew perfectly well that they had not been to Babel, nor into the Catholic church, nor to the city of Rome, to preach this doctrine, neither were they burdened to preach it to all the world; but to the organized churches, where God's people were. It now began to be more clearly discerned that the standard work had not given the scriptural exposition of Babylon and her fall; for the mighty cry of these flying messengers with this second message, began to make the nominal organized churches tremble to their foundations. At this crisis another effort was put forth to check these disorganizers. Mr. Miller now came out with a different exposition, showing that Babylon would fall twice—first on the French Revolution, in the eighteenth century, second at the final destruction of all things. It was clearly seen that this position, if followed, would preclude the necessity of the 2d and 3d messages that were to follow the first, in Rev. xiv : 6, 7, until the saints were immortalized. And yet, in other parts of the book (from which I shall quote by and by) he clearly showed that this was the time for the message, and it was actually being given.

Subsequently he came out again with his view of Revelations xiv : 6—20, where he says, "I regard the woman or mystical Babylon as the fallen church, and all churches that have the papal spirit. But it does not follow that there can be no churches that love the Lord in sincerity." I wonder if there is such an organized church to be found. I think this globe will be searched in vain for it.

He further says of the loud cry (first waymark) in Rev. 6, 7, "that it will continue until Christ comes in his kingdom. The 2d message in 8v., the fall of Babylon, will take place after Christ comes. And further, that the angel in xviii : 1, 2, is the Lord Jesus descending from heaven to take the kingdom. When the angel has declared or is declaring the fall of Babylon, then the 3d angel that followed the 2d in xiv : 9—12, is showing the fate of his worshippers, and that the 13v. is the resurrection, and must synchronize with chapter xviii : 4, come out and meet him in the air.—14—16v, here the saints are called to meet the Lord in the air. Then 17—20, the vine of the earth is reaped. And this is the harmonious view of the scriptures. *To apply them differently is to pervert them.*" Now I don't mean to pervert the scriptures, neither can I

receive this exposition. It is evident from xviii: 4, that God's people are called out of Babylon, that they may not receive of her *plagues*.

How many plagues are there? The angel says seven. Now, Mr. M. taught at that time, and I suppose fully believed, that six of these plagues had been poured out. Indeed, he has taught in his book, and in almost every place where he has given a course of lectures, that the seven *last* plagues (of course there are no plagues to come after the last,) would be poured out before the gathering of the saints.—The xvi. of Rev. shows clearly that six of them will be poured out before Christ comes (See 15 v.) Now if God's people have to wait in Babylon until Christ takes them out at his coming, as he has here attempted to show, then there is no meaning to the 4th v. of the xviii, where God's people are called out of Babylon to get clear of, or receive not of her *plagues*! Now I say this same text is proof positive that God's people are called out of Babylon before the last plagues are poured out. And Babylon certainly falls before the Third Angel calls them out.

Once more the voice from Heaven in 4th v. says, *Come out of her my people*. Then if they do obey this call, it certainly will be an act of their own will in obedience to the voice from Heaven. Will it be so when Christ comes? No, No. The Apostle tells us that the Saints will be changed in the twinkling of an eye, and *caught up* in the air. This certainly is a very different act. The Saints then must go, they cannot avoid it. So we see that the meaning of the text is voluntary, while the latter is involuntary. This is only a few out of the many difficulties that this exposition would have led God's people into if they had followed it.

For it was very evident that there were two processes for Babylon to pass through. After her fall and God's people had come out of her, viz:—1st, "utterly burned with fire, 8v. 2d, found no more at all," 21st v.

About this time [August 1844] ten thousand extras of the Voice of Truth, containing the Editors, S. S. Snow, and Geo. Storrs Exposition were published, showing what was Babylon and her fall, &c. &c. This presented the subject in so clear a light, and in accordance with the teachings of the Spirit, that it was clearly seen that Babylon, that great city symbolized by a "woman seated upon a scarlet colored beast, full of names of blasphemy having seven heads and ten horns," represented the exist-

ing organized Churches which had now fallen in consequence of rejecting the doctrine of the Second Advent of our Saviour, which was now being given by the messengers that were flying through the midst of Heaven, just as the Jewish Church fell by the rejection of the First Advent. See 23d Chap. of Math.

And the Beast with seven heads and ten horns, on which the Woman is seated, represented, "the kingdoms of this world drunken with the wine of the wrath of her fornication." The Woman a symbol of the fallen Church, and the ten horned beast a symbol of the kingdoms of this world, just as closely united and connected together as the woman is seated on the beast: witness the union of Church and State supported by civil, Military and Naval power throughout all Christendom. Still it is difficult for many to distinguish between the woman and the beast she is seated upon. They confound it and make both one. Now to illustrate by a simple figure, for instance, a beautiful, gay dressed woman seated upon a great red horse; now who would run the risk of being laughed at for his ignorance by saying that the horse and woman were one, and there was no distinction. Would it not be perfectly plain that they were two. The woman riding and the horse carrying the woman,—so closely connected together that when the horse moved, the woman moved also. Would it not be obvious, also, that they were born separate, and at a certain period of time the woman mounted the horse, and became thus united and closely connected with him by riding about the world at her pleasure. Well then, in the same point of view, look at this mystery Babylon, which is called a Woman, and this ten horned beast (which represents the kingdoms of this world) carrying her. In Rev. xii: 6, 14, John sees her entirely separate from the beast, struggling with these beastly kingdoms to maintain her honor and purity. She was then the pure Church. In the xvii chap. the Angel directs John to look at her again. She is now about 1260 years older than when he last described her. What a mighty change. She has now become a drunken harlot. With wine? No. But with the blood of God's dear children, v. 6.—Math. xxiii: 34, 35. She has made the inhabitants of the earth drunk with her poisonous cup, and the kings of the earth while thus intoxicated, have unlawfully united with her, and she rules, guides, and directs them as the rider does the red horse. She is now riding at her leisure full of

names of blasphemy, with this blasphemous name written on her forehead, MYSTERY BABYLON, THE GREAT, THE MOTHER OF HARLOTS, AND ABOMINATIONS OF THE EARTH. The 15th v. interprets the 1st v. and says, "the waters she sets upon are peoples, and multitudes, and nations and tongues." These are what the beast represent.

The woman which thou sawest is that great city which reigneth over the kings of the earth. That is they are perfectly under her control. This is the Mother, Papacy, Catholicism, or the Roman Catholic Church. She has harlot children, what do they represent, the Protestant and Greek Church, in all their organizations, represented in the xviii chap. The Angel says they were divided into three parts, xvi: 19. It is brought to view again in the xi: 13th v, where it says "a tenth part of the city fell." This we have invariably taught, transpired in the Revolution in France not far from 1790. The tenth part of what city fell then? We say the tenth part of Babylon. How did it fall, did the territory of France fall? No. O, that would be a tenth part of the beast. Did the people fall? No. What then? why Ecclesiastical power both in the Catholic and Protestant Church was destroyed. Was that the coming of the Lord? No, it was the *fall* of the tenth part of Babylon. Here then is further proof that the fall of Babylon is not the coming of the Lord. But it is demonstrated to be the organized Churches.

Still further, according to John's vision in xiv Rev. Babylon must fall in the time that the angel is giving the everlasting gospel at the hour of God's judgment, for he says there followed another angel. Then this was the next thing in order after the flying messengers had fairly introduced the Second Advent doctrine, and it was opposed and rejected by the Churches. Their cry was, Babylon is fallen, is fallen. She has rejected the message of the angel that preceded. It was now obvious that she had drank from the cup of poison so deeply, that it had seized her vitals. She therefore utterly rejected her coming Lord.

Where is the history for the fulfillment of this event? We answer. Just where it ought to be, following in its order, and no where else. When this subject first began to be introduced in 1843, the most of the professed nominal Churches had closed their doors against the Second Advent doctrine, and began to treat the message with

scorn and contempt. Some however looked at it more favorably until this message was presented in a clear Scriptural light, they then withdrew, and began stoutly to declare it the doctrine of the Devil. At this crisis the loud cry from Heaven was nervously proclaimed, come out of her my people, &c. Now I do not remember of hearing an objection against this doctrine's being in its proper order. If, as we fully believed, we were now called to go out and meet the Bridegroom, this message was just where it should be; of this, thousands were fully convinced, for it was just what we were witnessing all around us, and it fully accorded with the predictions of Isaiah, Jer., Paul and John. By comparing Rev. xvii: 2, and xviii: 9, it was perfectly evident that no other body could commit this sin of fornication with the kings of the earth; but the organized Churches, the professed people of God, whose law requires them to be separate from the world. Every sect is therefore guilty, for they are unlawfully connected with the world, and consequently condemned.

This *way mark* was now distinctly seen in our pathway, linked in with, or chained on to the judgment hourcry, and stretching its way through the tarrying time, crying mightily with a strong voice [as was never heard before, nor since Oct. 1844], "Babylon is fallen, is fallen, and is become [not will be] the habitation of devils, and the hold of every foul spirit, and a cage of every unclean and hateful bird."

This message now moved onward with the rapidity of the first, causing in its flight the nominal Churches to shake mightily. How then could this be the work of the Devil as many have said. Even the Churches themselves knew that it was the very opposite of any thing the Devil had ever done for them before. We will now look at what was set-up for the

FOURTH WAY MARK. COME OUT OF HER MY PEOPLE.

"And the third angel followed them, saying, with a loud voice, if any man worship the beast and his image, and receive his mark in his forehead, or in his hand, the same shall drink the wine of the wrath of God, which is poured out without mixture" (no mercy with it as in instances before.) This is the third message given by all the messengers that fully believed Babylon had fallen in Rev. xiv: 9-11. They showed up the awful plagues that would

20. These scriptures show a work to be performed before the Resurrection. And that the Daughter of Zion is the true Church, the remnant that have literally gone out of the City [the Church] into the *fields* and into the *woods*, and there held their meetings.

Paul is in perfect harmony with these, and says, "Wherefore come out from among them, and be ye separate, saith the Lord, and touch not the unclean thing, and I will receive you, and I will be a Father unto you and ye shall be my sons and daughters, saith the Almighty," 2 Cor. vi: 17, 18. Come out from what? See 14 v. from unrighteous unbelievers. Where did Paul learn this doctrine before the visions in Rev. was given? why from the very Prophets which I have quoted, and he makes the promise strong by quoting God for his author. I suppose that every rational person would admit that these prophecies relating to this subject would be fulfilled, and this message given before the second advent. Says the reader, the great difficulty with me is that I don't believe that this Woman, called "Mystery Babylon," "the great city," represents the present organized churches. Well, but it represents something. O yes. What is it, then? There are but four names or expositions given to Babylon that I have read of, and only one of these can be the true. Let us try them by a simple rule. The first, then, as the Advent Shield says, the kingdoms of this world are comprised in Babylon. Isaiah says, "depart ye, depart ye, go ye out from thence." Jeremiah says, "flee out of the midst of Babylon—my people go ye out of the midst of her, and deliver ye every man his soul." Micah says, "For now shalt thou go forth out of the city" (Babylon). Zac. says, "Deliver thyself, O Zion, that dwellest with the daughter of Babylon." Paul says, "Come out from among them, and be ye separate." The last cry is, "Come out of her my people, that ye be not partakers of her sins." Come out of what? Why out of the world!—that is what the Shield calls Babylon. Where shall we go? We are told, up to meet the Lord in the air. Who cannot see, to say the least of it, that this is a perversion of these texts? Do look at their connection, especially the three last. See if they will compare with 1 Thes. iv: 16—18, and 1 Cor. xv: 52. Besides it is absolutely contradicting the angel to say that Babylon is the kingdoms of this world, for he says the woman (Babylon) which thou sawest is that great city which *reigneth over the kings of the earth.*" How can a city reign over itself?

2d. Babylon has also been called the City of Rome. "Come out of the City of Rome, my people." They are not there, nor have not been for many hundreds of years. Anti-Christ reigns there.

3d. The Papacy or Catholic Church has been called Babylon. Come out of the Catholic Church, my people. You call in vain, they are not there—they *departed* from her certainly 300 years ago.

4th, And last, the cry is made in the Protestant churches, "Come out of her, my people." What is now the response? Thousands on thousands dissolve their connection, and out they come, under the full conviction that this loud cry is to them, and the churches which they are leaving are fallen Babylon, because they have rejected the message which preceded this. "The hour of his judgement is come." Their houses which they have closed against this second advent message, are left unto them desolate. God has left them in their own confusion. And hundreds and thousands of them have in *their own way* acknowledged it since. I ask you to look back to the summer and fall of 1844, where you see the fulfilment of this 3d angel's message in a most wonderful and striking manner in almost every town and city throughout New England. Why not some where else just as well? Because the sun was darkened here, and these flying messengers, as I have shown, multiplied and congregated here—and this being the lightest spot under the whole heavens, the angels were seen, their message was heard first here, and then carried out to the utmost bounds of the earth. It is true, many of the Middle and Western and some of the Southern States, and the Canadas, have joined. Some object because it was not simultaneous in England, &c. If you will look at the xiv. ch. again, you will see that it was the first messenger only that sent his message to every nation, kindred, tongue and people. It has also been objected that the dark day was no sign, because it did not extend farther. But who does not know that it was more striking on this account? If as much as I have now written in these forty lines, had been recorded as history some few years ago, say relative to the sounding of the sixth angel or the sixth plague, who would have doubted? What then shall we do with the above, and much more that could be added, if necessary? Yes, I could begin to call names, and show from seventy-five to one hundred living cases in Fairhaven and New Bedford that fulfilled this prophecy, that either came out or were turned

FIFTH WAY MARK—A CRY AT MIDNIGHT.

"At Midnight a cry was raised, the bridegroom is coming, go ye out to meet him. Then all the virgins arose, and trimmed their lamps." We have already shown that the tarrying time for the bridegroom by the prophetic periods was six months, beginning the 19th April down to 22d October, 1844. The Midnight of this dark stupid time would be about July 20th. S. S. SNOW gave the true Midnight Cry in the Tabernacle in Boston at this time, and it was received by the virgins in a different light from what it ever was before. He says he had been trying to make people believe it before, but without effect, because it was generally believed as we had been taught from 1840, that the Midnight Cry embraced the whole subject, even beginning back to the French Revolution, and some were old enough to believe it had begun in the days of the Apostle. But now it began to move with rapid progress. God was giving the light by his spirit. I well remember *some* that I conversed with, who related the wonderful manner in which they were moved upon to examine this subject before they had heard it.

At Midnight, in the dead of the night of this tarrying of the Bridegroom, "the cry was raised," which caused great agitation and excitement, looking with unparalleled interest at definite time, 10th of the seventh month.

A camp meeting was held in Concord, N. H., somewhere about the first of August. Here, as we afterwards learned, the cry resounded throughout the camp. On the 12th of August, another was held in Exeter, N. H. On my way there, something like the following seemed to be continually forcing upon my mind. You are going to have new light here, something that will give a new impetus to this work. How many thousand living witnesses there still are scattered over the land that experienced the manifestation of the spirit's power in applying to their hearts the many scriptures, and especially the clear exposition of the parable of the ten virgins, at that meeting. There was light given and received there, sure enough; and when that meeting closed, the granite hills of New Hampshire rang with the mighty cry, *Behold the Bridegroom cometh, go ye out to meet him!* As the stages and railroad cars rolled away through the different States, cities, and villages of New England, the rumbling of the cry was still distinctly heard. Behold the Bridegroom cometh! Christ is coming

on the tenth day of the seventh month! Time is short, get ready! get ready!! In a few weeks this *Way Mark*, like a beacon to the tempest-tossed mariner, was clearly seen in our pathway throughout New England, and onward into other parts as it moved by camp meetings, conference and papers. Here S. S. Snow published the true midnight cry (Aug. 22, 1844). "Then all those virgins arose and trimmed their lamps." *General excitement and looking with anxious and unparalleled interest to a definite point.* What a striking and perfect fulfillment. Who does not still remember how this message flew as it were upon the wings of the wind—men and women moving on all the cardinal points of the compass, going with all the speed of locomotives, in steamboats and rail cars, freighted with bundles of books and papers, wherever they went distributing them almost as profusely as the flying leaves of autumn. They purported to contain the last warning to a guilty world. (How true it was that this was the last warning that they would ever receive from Advent believers.) And then the agonizing prayers and entreaties for our families, friends and brethren. Surely time can never efface those deep impressions, besides the deep searchings of heart and consecrations of time, friends, property, all, all, to God. Surely here is where we put on the wedding garment—*"was made white."* Say, was this the work of God? If you deny it, you veto the work and power of God among men, in every age, and make religion a something which man can never understand. Admit that there were frailties and improprieties in some, and every thing else that man is subject to; but it does not follow by any means that all was wrong. By the assistance and grace of God, I feel bound to say without fear of contradiction, that this mighty cry was the power and work of God. I should peril my soul to deny it, and so will every honest hearted one that had any thing to do with it. Why, if this was not the work of God, then I should forever despair of finding the road to heaven. I say again, in the fear of Him before whom I soon expect to appear to receive my final destiny, it is downright infidelity in any Advent believer to doubt this being the fulfillment of the parable of the ten virgins. It was the only conclusion we *all* came to at the time we felt and knew the most about it that we ever shall in this mortal state. And surely none could understand it better than those that were burdened and pained to be delivered of this cry. For eight long months we were discussing the

subject of this cry, while the sound was rolling away in the distant heavens. "And the foolish said to the wise, give us of your oil,"—that is, give us your evidences, your light; we want preparation. "Buy for yourselves,"—that is, search your Bibles, pray God for grace to prepare you. "While they went to buy, the Bridegroom came, and those who were ready went in with him to the marriage, and the door was shut." Here is where the division took place which was so clearly manifest at the very close of the cry, and has been a standing witness ever since. *While they went to buy*—clearly showing that they left a part of the virgins in the right position with oil in their lamps waiting. When he comes, this waiting party go in, and the door is shut. Where are the others? Gone away for oil. Do any of my readers say this is not fulfilled? I ask what you mean then, by writing, preaching, talking, and lamenting the division among the Advent people? Don't you see that you are to the very letter acknowledging the fact. But you say that would be acknowledging ourselves the foolish virgins. Whether you do so or not, the parable and our experience make it clear; each party had their choice.

"Afterwards came also the other virgins, saying master, master, open unto us." After when is this knocking? Why it is after the door is shut! And there has been a clamoring at the door ever since the cry was finished—a perfect fulfilment of the payable in all its features. This calling for an open door after it is shut, must certainly be fulfilled here, and not in the air. Thus we have the likeness perfect and complete. Suppose, for instance, your likeness should be painted, leaving out your hand, foot or nose, or even the expression of your eyes, you would detect it in a moment, and point to the defect; and when finished, you would pronounce it a likeness. Well, this parable is a likeness of the kingdom of heaven, and finishes after the 12th verse, and no where else. And after it was finished, we were at least eight months examining its features, and proving it to be what our Lord had told us it was; and how many thousands there were that pronounced it a perfect picture. Many have since denied it, but that has not altered the features of it in the least, nor produced the least proof of when, or where, or how, this cry with all its appendages will or can be, in the future. I say there is not faith enough in all those who have doubted this mighty work to put forth one hundredth part of the energy, moral courage and zeal, to do this work as it was done

when accomplished. And I ask who else will attempt it? Not those surely that believe it is done. Neither the world nor such as have pronounced it mesmerism. You know very well that God has called out a people to do his work and will; and think you that it will not be done in scriptural order, and in the right time? It has been and it is the height of folly to believe that God will require his people to do it twice. I know it is triumphantly stated that the door is not shut; and there has not been any striving to open it, because no one would ask for admittance until they knew it was shut. They must know the fact first, say they, and they say they do not. Answer, why did not these same virgins understand that their vessels were empty of oil before it was too late? So in the case of the clamor about the door—they have then already been proved to be foolish virgins, and are as likely to make a fatal mistake in this part of the parable as the other. How many scores of writers could be called up here, if time and space would admit of it, to prove how clearly this cry has been fulfilled, and that our work ended here for the world. I know it is called infidelity now and even blasphemy to say so. Admit this to be your testimony then about all the advent believers have committed blasphemy, and their confession to backslidden advent blasphemers or a fallen church and guilty world, will never atone for one sin or back track which they have taken. One letter out of the many was joyfully received, (though it came at a late hour,) as so much interest was felt for the author. I will extract a few lines: "Oh the glory I have seen to-day. My brother, I thank God for this light. My soul is so full that I cannot write. My doubts and fears and darkness are all gone. I see that we are yet right. God's word is true; and my soul is full of joy. Methinks I hear you say, Br Miller is now a fanatic. Very well, call me what you please; I care not. *Christ will come in the seventh month, and will bless us all. Oct. 6, 1844.*" This then was our united testimony respecting the tallest *way mark* in our pathway. See Isa. xiv: 31 and 40, 2, 6; Jer. viii: 19, xlv: 12; Lam. ii: 19.

SIXTH WAY MARK—PHILADELPHIA CHURCH.

"And to the Angel of the church of Philadelphia write." Without doubt the second and third chap. Rev. is a brief history of the church in its seven states or stages down to the second coming of Christ. *Proof*—According to the

epistles the Asiatic churches were established by the year A. D. 64. About 24 years after this, John receives this revelation respecting things which *must shortly come to pass*, (not what had been 24 years before,) 3 ch. 1 v. This revelation is a prophecy of things past, like the seven churches in Asia, which were already revealed. If the whole book is a prophecy, how can these two chapters be in the past; and why not address the other nine churches which Paul speaks of. Again, after John had seen the whole in the 22d chapter, it was said to him, I, Jesus, have sent mine angel to testify unto you *these things in the churches*. The whole message was then to the churches. Once more—it is clear that the signification of the names of the seven churches in Asia describe the spirit and qualities of the several periods of the christian church. Lastly—if the above statements are not true, how can we apply any part of Revelations to the present state of the church? As the present state of the Philadelphia Church has been discussed, I shall be brief. The fifth state or the Sardis Church looks just like the nominal church in 1844, when the third angel in Rev. xiv. were giving their messages: "The hour of his judgment is come," "Babylon has fallen," "Come out of her, my people," connected with the overpowering, soul-stirring Cry at Midnight, "Behold the Bridegroom cometh, go ye out to meet him." Here the Sardis Church was shaken to its centre; and all those who really believed these messages began to move out. It is true some were drove out; but no matter, the work was done. Those whose fear of God rather than man prevailed, cleared themselves from the different orders and sects, and with all their various views, they here merged and united together as in apostolic times. Creeds and formulas passed away like smoke from the chimney. They gloried in this heavenly union, while rallying under these flying messages. And every feature denoted the true state of the Philadelphia Church, which signifies *brotherly love of the fraternity*. They read the promises of Jesus, "that there were a few names in Sardis which had not defiled their garments, and they shall walk with me in white, for they are worthy." We thought then there was more than a few, but we are pretty well convinced now that Jesus was right; for he says, "I know thy works, behold I have set before thee an open door, and no man can shut it, [if it had not been open, how could those that were ready in the *parable* have gone in?] for thou hast a little strength, and hast kept my word, and hast

not denied my name." Rev. iii: 4, 7, 8. The 9th to 13th v. show what will follow, viz. the confession of them that *lie*. The safety of them that hold fast their experience (don't yield up their *way mark*,) their crowning promise of the name of God, and Jesus' own new name. Here is positive proof of division or separation which makes the Laodicean state of the church, which Jesus says he will 'Spue out of his mouth for being neither cold nor hot' Awful condition indeed. Where and how does this heavenly union dissolve, and show a state of neither cold nor hot? Neither one thing nor yet another, believing past experience and yet not believing, looking for Christ's appearing without living faith, boasting of keeping the commandments of God while living in open violation of them every week. Answer just where Jesus taught us in the *parable* Matt xxv: 10—12. When the or a Cry at Midnight was finished 22d Oct. 1844, here was the beginning of the division under the sounding of the 7th trumpet. In May following, 1845, almost all the leading messengers on one part of this division (Princes of Juda) commenced a new organization in Albany, N. Y., which when fully developed in the city of Rochester, April 5th, 1846, looked just like the description of the Laodicean or last state of the church, as described by the Savior in Rev. iii. 14—22. As so much is voluntarily fulfilled, I cannot see how the least part can fail. More in another place.

SEVENTH WAY MARK.—SEVENTH ANGEL SOUNDING UNDER THE THIRD WO.

"But in the days of the voice of the Seventh Angel, when he shall *begin* to sound the mystery (or secret) of God should be *finished* as he hath declared to his servants, the prophets."

1st. Here it is plain and positive that the secret of God should be finished when the seventh angel begins to sound.

2d. That the Seventh Angel is to sound days, (which mean years,) no one I think will dispute, who will first examine the word day and days brought to view twenty times in this book of Rev. It is plain from the 591 years in the 9th chap. and 1260 and 3½ in the 11th, called days, on each side of this text, and 1260 in 12th chap., all proved to be years, that this has the same meaning; every other day in this book has its meaning attached to it. Then this text

would read thus: "In the years of the voice of the seventh angel," &c.

3d. Then this proves that this angel will sound years. O yes, says the reader, he will sound 1000 years, because he won't begin to sound until the 1000 years commence. You know the messengers have taught that Jesus *would* sound the seventh trumpet and that would be the *last*. Am I to understand that Jesus will be 1000 years sounding the seventh trumpet? O no, he has got something else to do. This view then falls to the ground, unless you can prove that Jesus gives the trumpet or message to some one else after he has raised the righteous dead. You say this won't do. Well then take the Bible view, and no longer undertake to pervert "the scriptures." What is the Bible view? It is this. The seventh angel or messenger sounds and delivers his message in this mortal state. Immortalized beings will perfectly understand their duty without the book.

Now turn to Rev. viii: 2, 6. These seven angels with their messages prepared themselves to sound. As we read on down to the 13th v. we see four of them have sounded. But the 13th v. shows plainly that the other three are connected with (separately and distinctly) the three woes that are to come on the earth; the third is the last wo, or the message of the seventh angel. Now I ask in all candor where is the least particle of proof that our blessed Lord is one of these angels or messengers. Do you see any thing here to distinguish him from the other six? Let us for a moment compare your view with the apostle Paul's. "The Lord himself shall descend from heaven with a shout with the voice of the archangel and with the trump of God, and the dead in Christ shall rise first." And then the living will be changed and caught up. "We shall all be changed in a moment, in the twinkling of an eye, at the last trump, for the trumpet shall sound." Thes. ix. 1 Cor. xv. Will you confound the apostle's view here given so distinctly?

(1st.) Are any of the seven angels, particularly the last, said to be descending from heaven? (2d.) Is the last one called an archangel? (3d.) Is it said that the seventh has the trump of God? (4th.) Is it said that the seventh is the Lord himself? (5th.) Is it said that the seventh raises the dead and changes the living saints? No, say you, but I think it has reference to it, for the seventh must be the last. Allow me to say that your thoughts and John's vision don't agree, for he says distinctly, "And the seventh angel sounded, [did the Lord descend now from heaven?] and there

were great voices in heaven, saying the kingdoms of this world are become the kingdoms of our Lord and of his Christ; and he shall reign forever and ever." xi: 15. Let us read the acts recorded under the sounding of the seventh messenger. (1st.) The seventh messenger sounded. (2d.) The four and twenty elders (the whole Priesthood) fell upon their faces. I understand this thus; all that had been giving the messages subscribed to it and believed it *then* when a Cry at Midnight ended in 1844. Please read the next verse, 17th; this conclusively proves the Lord is yet to come, *after he received his kingdom*: don't forget this point here. (3d.) The nations were angry. (4th.) Thy wrath is come. (5th.) And the time of the dead that they should be judged. (6th.) That thou shouldst give reward to thy servants. (7th.) And shouldst destroy them which destroy the earth.

Now don't you see plainly that the seventh angel or messenger has been sounding for years, and still the Lord himself has not yet come. And don't you see as many of you are teaching that the Lord will come to-day, (April 18) how inconsistent you are and have been since Oct. 22, 1844, or a little after, in not admitting the seventh messenger to fulfil the five first items above mentioned?

Can it be believed that God will change the order of things, or have every thing here in disorder to suit our views? No, no! We read, "To every thing there is a season, and a time to every purpose under the heaven," "Every thing upon his day." God is exact; and we shall yet find it so. I say it is clear that the seventh messenger *began* to sound on the 1st day of the 7th month, 1844. If he has not sounded, you will look in vain for the Lord. I have no idea that he can ever come until this message is given. The scripture also teaches me that if you do not admit this, you are looking in vain for the Lord to-day. How can he come according to the order of the signs in Matt. xxiv. until God shall speak and shake the earth and also heaven? And after that, see the sign of the Son of Man in heaven; then the order is clear for him to come next. I think the proof is clear that the seventh angel sounds years before Christ comes, as I have shown in the sixth place, to reward his servants, (see Matt. xv: 27,) and that he is now sounding the third year from the 12th day of Oct. 1844.

MYSTERY OR SECRET OF GOD FINISHED.

The text emphatically declares that when this seventh

trumpet begins to sound the *mystery or secret* of God should be finished as he hath declared to his servants, the prophets. Rev. x: 7. Here is where all the trouble lies. If the mystery of God is finished, then there is no more mediation for the world, and my near and dear friends will be lost. And I am quite uncertain whether I am in a saved state myself. And says the preacher, I must stop preaching and give up my talent and my influence with the world. Well, this is exactly what you was taught and fully believed would be when the 12th Oct. 1844 should come. And because the Lord did not come in ten days afterwards you changed your minds, and would not admit the fulfilment of this prophecy. I admit that the considerations are painful in the extreme. But suppose they were ten times more so, would or could it alter the mind and purpose of God in any way relative to the fulfilment of prophecy? You answer no. As our Lord did not come on the 22d Oct., we soon began to see clearly that God's people were now in the furnace being tried (Lev. xxiii. 22) and that here was the very place for its commencement. We were therefore still right. Then of course we had no right to give up the past. I ask where and how we got the light of a Cry at Midnight. Did we not say we saw clearly that it was through a system of figures or types pointing to Christ and his kingdom?

The Types.—Malachi in citing our minds to the last days, tells us to remember the law of Moses. Now he of course knew that we should have nothing to do with sacrifice and oblation, a part of Moses' law, for that would be nailed to the cross; there was nothing else he could point us to in Moses' law but the law of types. Now when our Lord died on the cross some 430 years after this, he began the fulfilment of these types in this very law, and as our King and High Priest he is still fulfilling them, and will be until he comes the second time. Not one particle can fail. Just see how perfectly to the very hour of the day our Savior fulfilled the type of the passover, about 1500 years from its commencement, at 3 o'clock in the afternoon, on the 14th day of the first month. Surely not one jot of the law failed here. Again, 50 days after this, the anniversary of the giving of the law by God to Moses at Sinai, called the feast of weeks, was fulfilled by the Holy Ghost descending like a rushing mighty wind, and as cloven tongues of fire. Here too was antetype answering to type. Here then are two feasts out of three entirely and forever fulfilled in this state. God said, "Three times thou shalt keep a feast unto me in

the year." Ex. xxiii: 14. The first at the Passover, second 50 days after or the Pentecost, third and last seventh month at the ingathering of the harvest. Now here were types to be fulfilled as clearly as those which had already been, and my solemn conviction is that the feast of Tabernacles at the ingathering of the harvest is to be fulfilled here by the ingathering of the whole Israel of God. But to the subject.

On the first of the 7th month, as we learn from Lev. xxiii: 24, was to be the memorial of the blowing of trumpets. This is the first type to be fulfilled in this last feast, and was one of the great leading features in the pathway *A Cry at Midnight*. That this was repeated every seventh month, see Psal. lxxxii: 3, "Blow up the trumpet in the new moon, in the time appointed, on our solemn feast day." This was a statute for Israel. How often? Once every year preceding the ingathering or harvest. Where shall we find the antetype? At the sounding of the seventh angel. Why? Because the sixth had ceased to sound in August, 1840, just where the flying messengers began to move. That the sounding of the seventh messenger fulfils this type is plain. Says the reader, as you have shown that the seventh trump is entirely separate from the "trump of God when the Lord himself descends," why may not the memorial of the sounding of trumpet represent the trump of God? Answer—the seventh trumpet is not the last, but the first in this feast. The next and last to this did not sound until ten days after. See Lev. xxv: 9. This is the last one which will sound the release and ingathering of all the true Israel of God and the true type of the triumph of God, for it is the Jubilee. Then as in Rev. x: 7, when the seventh messenger begins to deliver his message, i. e. sounds, then the mystery of God should be finished as delivered to his servants the prophets. Now all this was only a statement of what should take place when this messenger began his work. Here it is:

"And the seventh angel sounded, and there were great voices in heaven saying, the kingdoms of this world are become the kingdoms of our Lord, &c. &c. xi: 15. Now as we have examined all history for a certain series of events among men to fulfil 591 years and 15 days of the sounding of the fifth and sixth, or two first two trumpets, and did find events so clearly developed (though we had to travel back eighteen generations,) that all our opponents were silenced (see J. Litch's *Prophetic Expositions*, vol 2.)

Has it become impossible for the present generation to see the fulfilment of prophecy where the light was shining with at least 100-fold more splendor. Away with such treacherous unbelief, and take things as they were in the history.

THE HISTORY.—In that memorable year when the cry, "Behold the Bridegroom cometh," was moving with railroad speed, the mighty messenger with a voice of thunder, his hands upraised to heaven, his feet upon the land and sea, declaring by him that liveth forever, there should be no longer delay. The message was literally declared on land and sea, and was so clear that *all* the virgins arose and trimmed their lamps. Time was seen clearly then. How? where? Why, the first point was to the sounding of the seventh trumpet, on the 12th of Oct. 1844. With what intense interest we approached it. Where, I ask, is the advent believer who was then in Boston, Providence, New Bedford, Fairhaven, Nantucket, New York, Philadelphia, Baltimore, &c. &c., that did not hear the sounding of the "seventh angel," viz.: "The mystery of God is finished," "The kingdoms of this world have become the kingdoms of our Lord," and also remember distinctly (as it was afterwards stated) the simultaneous movement among them even in the first 48 hours. What a raging among the wicked, and breaking up of the advent meetings! But more striking still was the development of character among the "virgins." During the ten days to the 22d of October, the sounding of the seventh message caused simultaneous dispersion among the virgins. Disgust, dismay, disappointment, grief, contempt, scorn, and evil surmisings, on the one hand, while others were boldly declaring that the message was just what we believed, although we were surprised at the effect it was producing.

Here was the point and peculiar time (don't forget it,) where the division of the virgins took place. They began to go away for oil, or to look for it from a different source.

Here is another strong proof of the fulfilment of the parable of the 10 virgins. Sounding of trumpets denotes generally the cause of some mighty movement, in gathering and dispersion. When the multitude shut up in Jericho were given up to death, the sounding of the trumpets the seventh time caused the walls to fall and leave them defenceless. When Gideon's peculiarly reduced little army sounded the trumpet, "the host ran, and cried, and fled." Confusion, dismay, and death followed in the track.

"Shall a trumpet be blown in the city and the people not be afraid? Surely the Lord God will do nothing, but he revealeth his secret unto his servants the prophets." Amos. Then surely the sounding of the seventh trumpet has been revealed, and who is there that is not fast asleep that needs to be told of the divisions and sub-divisions of the once united band that arose and trimmed their lamps for the coming of the Bridegroom, and began immediately to dissolve this union at "the sounding of the seventh angel" on the 12th day of October, 1844. But it is said there were men that did this work. Certainly—so they were men that sounded the first six trumpets. See the effect produced by the trumpet of Joab, 2 Sam. xviii: 16, and xx: 22.

I am aware that there are thousands of living witnesses to this stupendous and mighty work that have no faith in this part of it, while many say it was false and of the devil! My reply to all such is, that if men and women making their sacrifices and such pretensions to holiness of heart, anxiously waiting in expectation of their coming Savior within ten days, will yield up what then was certainly the most pious effort of their lives, and give all this experience to mesmerism and the devil, they are welcome. If such is our dependence for the kingdom of heaven, farewell all other efforts to obtain it. I would rather ten thousand times believe that their heavy burden was fear and hypocrisy. I praise God that this awful delusion was not universal. Many believed in that day, and I trust they do still. For myself I can truly say it was the most triumphant and soul-stirring point in all my christian experience. Draw back because we were disappointed in our expectations? No; the watchword is onward to victory.

MYSTERY OF GOD—WHAT IS IT?

Let the Apostle Paul answer: Eph. i: 9, "Mystery of his (God's) will," ii: 2, "Mystery of God and of Christ," iii: 4, "Mystery of Christ," 9th v. "Mystery hid in God," iv: 19, "Mystery of the Gospel;" Rom. xvi: 25, 26, "Mystery of the preaching of Jesus Christ;" Col. iv: 3, "Mystery of Christ;" 1 Tim. iii: 16, "Mystery of godliness was preached unto the Gentiles;" Col. i: 27, "To whom God would make known what is the riches of the glory of this mystery among the Gentiles which is Christ in you the hope of glory, which we preach."

This then is the good news and glad tidings; the Gospel of Christ published to the Gentiles, or as Jesus said, "And

I ask, if affliction and trials of the most peculiar kind, have not been the portion of God's scattered Israel ever since that *every day* even the 10th of the 7th month, Oct. 22, 1844. I care not what you call it,—fanaticism, disappointment, or the work of darkness! The same peculiar afflictions abide them still, and must, to fulfil that type. Peter tells us not to think strange of it, neither. 1 Peter iv: 12. When this is admitted, (and where is there an honest advent believer that dare deny it?) you must also admit that the preceding type, the seventh trumpet, began to sound ten days before. Then the next type to be fulfilled here is the feast of Tabernacles, at the ingathering of the harvest. Here, then, is the final harvest, or ingathering of the Israel of God. As I before stated, here was where the division in the parable was progressing. The next message was, "here are the patients of the saints, here are they that keep the command of God and the faith of Jesus. "And a voice from heaven saying unto me *write*, blessed are the dead that die in the Lord from henceforth; yea, saith the spirit, they do rest from their labors, and their works do follow them." Whoever will take the trouble to examine the scripture references of "dying in the Lord," will learn that we here followed Paul's example of dying in the Lord. Our duty was and is still in part to be found in the rest of this chapter. Now one question: Where did we receive any orders while in this *patient waiting* to re-arouse these messengers and send them out to repeat these same messages in the vision again? Was not the work done once? Will not that suffice? Does God fulfil prophecy twice? No. Then how passing strange that the great majority of these messengers should without any authority undertake to do this work over again, and be continually finding fault with all who take the stand that that work was forever done, and what we now had to do was of an entire different character, and if done properly would result in salvation. Hence every move they make is only assimilating them nearer the old Sardis church, or rather developing the true features of the Laodicean. Isa. instructed us here what to do. Hear him: "Comfort ye, comfort ye *my people*" (not the world, nor the condemned nominal church). God says, "Speak ye comfortably to Jerusalem, and cry (give the message,) that her appointed time is accomplished." See xl: 1, lii: 8—10. If it was not here, pray tell me if you can, when and where it will be? For here is a message to be given God's people in this world, and it is a definite and separate

one, and does not include the world, but these of the "New Jerusalem," "the mother of us all." There is no such promise for old Jerusalem. If we are referred to the future for the giving of this message, then an entire new set of messengers must be raised for the purpose, for I do not know of three of the former among the ministers, but what are professedly doing the work in part or the whole over again, and while time continues will be if they follow their leader. Word from their head quarters now is, to be getting ready for great meetings in new places, to convert sinners. We say this message comes in after we had condemned the world. We are not left without witnesses all around us that it was an admitted fact that we had given the world the last warning, and discharged our duty. Out of scores that could be adduced, let the two following testimonies, from two of the principal messengers suffice: "We have done our work in warning sinners and trying to awake a formal church. God in his providence has shut the door. We can only stir one another up to be patient. Never since the days of the Apostles has there been such a division line drawn, as was drawn about the 10th, or 23d day of the 7th Jewish month. Since that time they say "they have no confidence in us." We have now need of *patience* after we have done the will of God, that we may receive the promise; for he says, "Behold I come *quickly*, to reward every one as his work shall be." William Miller—Voice of Truth, Dec. 11th, 1844.

Second.—Boston, Oct. 30, 1844. My dear Bro. Bates—This will be handed to you by Bro. Davis. He will tell you of our affairs, and of our faith in *this time*, this "*trying time*." I repose in God. I never felt more happy and reconciled to his will; the late work has *saved me*—it has been a blessing to us all. Now let us hold on. Let us remember, that though we have not realized our hope, yet we have *condemned the world by our faith* and stand *justified* before God. Abraham did not offer Isaac, God provided a *lamb*; so he has provided something else for us. And now to suffer and live for his name a little while longer.

Yours,

J. V. HIMES.

This I think is a pretty fair representation of the state of things at this time, with this exception, divisions were going on.

If any apology be necessary, I will say that it is not my practice to publish private correspondence. I have done

THE GREAT WESTERN ALMANAC For 1844



Published and Sold by Jos. McDowell, 37 Market Street, Philadelphia.

ECLIPSES OF THE SUN AND MOON IN THE YEAR 1865.

There will be five eclipses this year, three of the Sun and two of the Moon, as follows.

The first is a total eclipse of the Moon, the 31st day of August, at 10 o'clock in the afternoon, and will be visible except only about the time of ten minutes, when the Moon is east of the shadow, and the shadow will be over the Moon.

The second is a partial eclipse of the Sun, the 15th day of August, at 12 o'clock, and will be visible only in southern latitude, on the Pacific and Great Southern Ocean.

The third is a partial eclipse of the Sun, the 10th day of November, at 1 o'clock in the morning, and will be visible only near the South Pole, on a small portion of the Great Southern Ocean.

The fourth is a total eclipse of the Moon, the 24th of November, visible beginning of the evening at 6 o'clock in the evening; first total contact of the Moon in the Earth's shadow, at 6 o'clock 10 minutes; evening; middle of the eclipse, 6 o'clock 53 minutes; last total contact of the Moon with the Earth's shadow, 7 o'clock 13 minutes; end of the eclipse, 8 o'clock 51 minutes; duration of the whole eclipse, 2 hours 50 minutes; duration of the total part, 1 hour 1 minute.

The fifth is a partial eclipse of the Sun, the 9th day of December, visible; beginning of the eclipse at 8 o'clock in the afternoon; middle of the eclipse, at 4 o'clock 19 minutes, afternoon; the end of the eclipse is not visible there, because the Sun sets before the Moon has quite left the Sun's disc. The Sun will be eclipsed 14 digits on the north part of the Sun. N. B. A digit is the 12th part of the Sun's diameter.

CHRONOLOGICAL CYCLES.

Dominical Letters,	G F	Solar Cycle,	4
Golden Number,	2	Roman Indiction,	2
Epact,	11	Julian Period,	6557
The Jewish Era commences September 14, with the year 5605. The Mohammedan Era commences January 22, with the year 1260.			

MOVEABLE FESTIVALS.

Septuagesima Sunday,	Feb. 4	Low Sunday,	April 17
Quinquagesima Shrove Sunday,	Feb. 18	Rogation Sunday,	May 12
Shrove Tuesday,	Feb. 20	Ascension or Holy Thursday,	May 16
Ash Wednesday,	Feb. 21	Pentecost—Whit Sunday,	May 26
Midlent Sunday,	Mar. 17	Trinity Sunday,	June 2
Palm Sunday,	Mar. 31	Corpus Christi,	June 6
Good Friday,	April 5	First Sunday in Advent,	Dec. 1
Easter Sunday,	April 7		

EMBER DAYS

February 28. May 29. September 18. December 18.

CARDINAL POINTS.

Vernal Equinox, the 20th of March, at 6 o'clock 46 minutes in the morning.
 Summer Solstice, the 21st of June, at 3 o'clock 45 minutes in the morning.
 Autumnal Equinox, the 22d of September, at 6 o'clock 3 minutes in the evening.
 Winter Solstice, the 21st of December, at 11 o'clock 29 minutes in the forenoon.

GOVERNING PLANET, MERCURY.













All the calculations of this Almanac are made to solar or apparent time, to which add the equation in the hour table when the Sun is slow, and subtract those minutes when fast, for mean or clock time.

Calculated by Charles F. Egelmann.

EXPLANATION OF CHARACTERS IN THIS ALMANAC.

 New Moon. |
  First Quarter. |
  Full Moon. |
  Last Quarter.












THE TWELVE CONSTELLATIONS IN THE ZODIAC.

 Aries, or ram.	 Leo, the lion.	 Sagittarius, or bowman.
 Taurus, or bull.	 Virgo, or virgin.	 Capricornus, or goat.
 Gemini, or twins.	 Libra, or balance.	 Aquarius, or waterman.
 Cancer, or crab.	 Scorpio, or scorpion.	 Pisces, the fishes.

THE PLANETS AND THEIR QUALITIES.

 Saturn, cold, dry.	 Venus, moist, warm.
 Jupiter, warm, moist.	 Mercury, warm, dry.
 Mars, hot, dry.	 Moon, cold, moist, changing.
 Sun, fiery, dry.	 Herschel, hot, dry, moist, ch'g.


ASPECTS AND OTHER CHARACTERS

Conjunction 	Sextile 	Moon in apo. or perigee 	Dragon's head 
Opposition 	Moon's ascen. 	h and m. hours and min.	Seven stars 
Trine 	Moon's desc. 	Semi Sextile ss.	Earth 
Quartile 			

ANATOMY OF MAN'S BODY,

As said to be governed by the Twelve Constellations.

The Head and Face.

 Aries.



Arms.  Gemini.

Heart.  Leo.

Reins.  Libra.

Thighs.  Sagittarius.

Legs.  Aquarius.

Neck.  Taurus.


Breast.  Cancer.

Bowels.  Virgo.

Secrets.  Scorpio.

Knees.  Capricorn.

The Feet.

 Pisces.

TENTH DISTRICT.

NINETEENTH CIRCUIT—Lewis Summers, Judge.

Wood	1 April and 1 Sep.	Logan
Wason	10 do 30 do	Preston
Wason	16 do 16 do	Monongalia
Cabell	26 do 26 do	Marshall

TWENTIETH CIRCUIT—Joseph L. Fry, Judge.

	6 May and 6 Oct.	Tyler	24 April and 24 Sep
	1 April and 1 Sep	Brooke	4 May and 4 Oct.
	8 do 8 do	Ohio	10 do 20 do
	12 May and 12 Oct	Kanawha	11 May and 14 Oct

TWENTY-FIRST CIRCUIT—Philip N. Nicholas, Judge.—Henrico and City of Richmond, 10 May and 16 November.

Judges of the Supreme Court of Appeals.—Henry St. George Tucker, President; Francis T. Brooke, W. H. Cabell, Richard E. Parker and Robert Stanard. At Richmond—terms from 1 Nov. to 13 Dec.—from 1 January to 22nd February—from 1 March to 3 May. At Lewisburg—2d Monday in July, to sit 90 days if necessary.

Judges of the General Court, who are also Judges of the Circuit Superior Courts of Law and Chancery, Daniel Smith, (President,) Fleming Saunders, Wm. Daniel, Lewis Summers, Abel P. Upshur, Richard H. Field, John T. Lomax, John Scott, William Leigh, Lucas P. Thompson, Benj. Estell, James E. Brown, Edwin S. Duncan, Joseph L. Fry, John B. CLOPTON, Richard H. Baker, John B. Christian, John J. Allen, John Y. Mason, Isaac R. Douglass and Philip N. Nicholas.

COURT DAYS—COUNTY AND CORPORATION COURTS.

First Monday—Albemarle, Charlotte, Franklin, Greenville, Gloucester, Henrico, Isle of Wight, Lynchburg, Montgomery, Ohio, Princess Anne, Powhatan, Prince William, Richmond, Spotsylvania.

Second Monday—Buckingham, Berkeley, Botetourt, Campbell, Caroline, Chesapeake, Culpepper, Mercer, Henry, James City, King and Queen, Kanawha, Louisa, Loudoun, Lunenburg, Nonesuch, Northampton, Northumberland, Preston, Rappahannock, Stafford, Tyler, Wythe, City of Richmond.

Third Monday—Amherst, Alleghany, Dinwiddie, Essex, Fairfax, Floyd, Giles, Hanover, Harrison, Jefferson, Lancaster, Lee, Loudoun, Marshall, Matthews, Mecklenburg, Monroe county, Surry, Westmoreland, Warlick, Winchester, York, Norfolk, Pittsylvania, Prince Edward, Rockingham, Southampton, Staunton, Wood, York, Roanoke.

Fourth Monday—Aquia, Bedford, Brunswick, Cabell, Clarke, Cumberland, Fauquier, FAYANNA, Giles, Greenbrier, Caroline, Fairfax, Fayette, Floyd, Franklin, Frederick, Halifax, Hampshire, King William, Mason, Middlesex, Monongalia, Morgan, Nelson, Norfolk Borough, Page, Surry, Hardy, Harrison, Henry, Isle of Wight, Jackson, Kanawha, Orange, Washington, Randolph, Westmoreland, Williamsburg, Jackson, Grayson.

Monday before 2d Tuesday—Frederick, Hardy, Rock bridge.

Monday before 2d Tuesday—Shenandoah.

Tuesday after 3d Monday—Smyth.

1st Tuesday—Pocahontas, Bracton.

Tuesday after 1st Monday—Russell.

Tuesday after 2d Monday—Scott, Mercer.

Second Tuesday—Bath, Nicholas, Prince George, Lewis.

Third Tuesday—Fayette.

Fourth Tuesday—Hanover.

First Thursdays—King George, Nottoway, Sussex, Winchester.

Second Thursday—Fredericksburg, New Kent, Warwick.

Third Thursday—Charles City, Petersburg.

Fourth Thursday—Amelia, Elizabeth City, Madison, Warren.

Thursday after 1st Monday—Pulaski.

Wednesday after last Monday—Tazewell.

Thursday after 2d Monday—Greene, Patrick.

Thursday after 1st Tuesday—Pendleton.

QUARTERLY COURTS.

March, May, August, November.—Accomack, Amelia, Bedford, Brooke, Brunswick, Buckingham, Charlotte, Chesapeake, Charles City, Culpepper, Dinwiddie, Elizabeth City, Essex, Fauquier, FAYANNA, Gloucester, Goodland, Henrico, James City, Jefferson, King and Queen, King William, Lancaster, Matthews, Middlesex, Nelson, New Kent, Nottoway, Northumberland, Orange, Page, Preston, Petersburg, Prince Edward, Prince George, Rappahannock, Richmond Lee, Loudoun, Marshall, Matthews, Mecklenburg, Monroe county, Surry, Westmoreland, Warlick, Winchester, York, Norfolk, Pittsylvania, Prince Edward, Rockingham, Southampton, Staunton, Wood, York, Roanoke.

March, June, August, November.—Albemarle, Alleghany, Amherst, Berkeley, Botetourt, Bracton, Cabell, Campbell, Clarke, Cumberland, Fauquier, FAYANNA, Giles, Greenbrier, Caroline, Fairfax, Fayette, Floyd, Franklin, Frederick, Halifax, Hampshire, King William, Mason, Middlesex, Monongalia, Morgan, Nelson, Norfolk Borough, Page, Surry, Hardy, Harrison, Henry, Isle of Wight, Jackson, Kanawha, King George, Lee, Lewis, Loudoun, Logan, Louisa, Lunenburg, Lynchburg, Mason, Mercer, Monroe, Marshall, Monongalia, Montgomery, Nonesuch, Nicholas, Norfolk, Norfolk Borough, Ohio, Patrick, Pittsylvania, Pocahontas, Prince William, Princess Ann, Randolph, Roanoke, Rockbridge, Russell, Scott, Shenandoah, Smyth, Spotsylvania, Stafford, Southampton, Staunton, Tyler, Washington, Williamsburg, Wood, Wythe, Muhlenburg.

February, May, August, November.—Rockingham.

January, April, July, October—Richmond City.

February, April, July, October.—Hanover.

February, May, July, October—Madison, Cumberland, Tazewell, Clarke, Pulaski and Tazewell.

March, June, August, October—Powhattan.

March, June, September, November—Pendleton, Morgan, Northampton.

March, May, July, November—Fredericksburg.

March, May, August, October—Augusta, Bath, Greenbrier, Sussex.

SHORT ALMANAC FOR THE YEAR 1814,

Being the 68th year of American Independence!

	Sunday.	Monday.	Tuesday.	Wednes.	Thursday	Friday.	Saturday.		Sunday.	Monday.	Tuesday.	Wednes.	Thursday	Friday.	Saturday.
January -		1	2	3	4	5	6	July - -		1	2	3	4	5	6
	7	8	9	10	11	12	13		7	8	9	10	11	12	13
	14	15	16	17	18	19	20		14	15	16	17	18	19	20
	21	22	23	24	25	26	27		21	22	23	24	25	26	27
	28	29	30	31					28	29	30	31			
February -					1	2	3	August -					1	2	3
	4	5	6	7	8	9	10		4	5	6	7	8	9	10
	11	12	13	14	15	16	17		11	12	13	14	15	16	17
	18	19	20	21	22	23	24		18	19	20	21	22	23	24
	25	26	27	28	29				25	26	27	28	29	30	31
March -						1	2	September	1	2	3	4	5	6	7
	3	4	5	6	7	8	9		8	9	10	11	12	13	14
	10	11	12	13	14	15	16		15	16	17	18	19	20	21
	17	18	19	20	21	22	23		22	23	24	25	26	27	28
	24	25	26	27	28	29	30		29	30					
	31														
April - -		1	2	3	4	5	6	October -			1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30						27	28	29	30	31		
May - -				1	2	3	4	November						1	2
	5	6	7	8	9	10	11		3	4	5	6	7	8	9
	12	13	14	15	16	17	18		10	11	12	13	14	15	16
	19	20	21	22	23	24	25		17	18	19	20	21	22	23
	26	27	28	29	30	31			24	25	26	27	28	29	30
June - -							1	December	1	2	3	4	5	6	7
	2	3	4	5	6	7	8		8	9	10	11	12	13	14
	9	10	11	12	13	14	15		15	16	17	18	19	20	21
	16	17	18	19	20	21	22		22	23	24	25	26	27	28
	23	24	25	26	27	28	29		29	30	31				
	30														



CONJECTURE OF THE WEATHER.

The 1st, 2d, 3d, variable; 4th, 5th, cloudy; 6th, 7th, 8th, variable; 9th, 10th, fine, pleasant; 11th, 12th, rain and snow; 13th, 14th, 15th, cold; 16th, 17th, 18th, cloudy; 19th, variable; 20th, 21st, cloudy, with snow; 22nd, 23d, fair; 24th, 25th, windy, hail, rain and snow; 26th, 27th, 28th, clear and cold; 29th, 30th, 31st, fine, clear weather.

say, 'halt! dress!' He is a military man is a turkey cock, he wears long spurs, carries a stiff neck, and charges a red cloth, like a trooper.

Well then, a little cowardly good natured cur, that lay in a flour barrel, near the wood pile, gave out a long doleful howl, now and agin, to show those out-side passengers, if he couldn't fight for 'em he could at all events cry for 'em, and it aint every goose has a mourner to her funeral, that's a fact, unless it be its owner.

In the mornin' I wakes up, and looks round for lawyer but he was gone. So I gathers up the brands, and makes up the fire and walks out. The pigs didn't try to come in agin, when they se'd me; they didn't like the curlin' tengs as much as some folks do, and pigs' tails kinder curl naturally. But there was lawyer a-standin' up by the grove, lookin' as pecked and forlorn as an ornate leon.

'What's the matter of you, Squire?' sais I, 'you look like a man that was ready to make a speech, but your wits hadn't come, or you hadn't got no jury.'

'Somebody has stole my horse,' said he.

'Well, I know'd he was near sighted, was lawyer, and couldn't see a pint clear of his nose, unless it was a part o' his. So I looks all round and there was his boss, a-standin' on the bridge, with his long tail hanging down straight at one end, and his long neck and head a hanging down straight at t'other end, so that you coul'n't tell one from t'other, or which end was towards you. It was a clear, cold mornin'. The storm was over and the wind down, and there was a frost on the ground. The critter was cold, I suppose, and having broke the rope walked off to stretch his legs. It was monstrous mean night to be out in, that's sartin.

'There is your boss,' sais I.

'Where?' sais he.

'Why on the bridge, sais' I; 'he has got his head down, and is a-lookin' atween his fore-legs to see where his tail is, for he is so cold, I do suppose he can't feel it.'

'Well, as soon as we could, we started; but afore left, sais the Judge to me, 'Mr. Slick,' sais he, 'there's a plaister,' taking out a pounal note, a plaister for the skin the pig rubbed off of the old woman. Give it to her, I hope it is big enough to cover it.' And he fell back on the bed, and started and coughed, and coughed and layed; till the tears ran down his cheeks.

A good anecdote is told of Dr. Rock, the famous Lon'on quack. Being one day in a coffee house on Ludgate Hill, a gentleman expressed his surprise that a certain physician of great abilities, had but little practice, while such a man as Rock was making a fortune. 'Why,' says Rock, 'that's true; but how many wise men, think you, pass up and down this street?' 'About one in twenty,' says the other. 'Well then,' replies Rock, 'the nineteen come to me when they are a-powell, and the doctor is welcome to the twentieth.'

Witty Auctioneer.—An amusing writer of comic sketches in London gives the following specimen of the wit of one of that class known as meek auctioneers.

'Who'll buy this padlock and key? (holding it up to the light, and turning round and round.) This is a lock—no iron here. 'Taint a Bramah, for them can't be picked. Now this is a picked lock, picked out of ten thousand, my friends, and picked out by myself—out of the choicest lots in the country. There's music for you. (Clacks and rattles.) Why, it chinks like a gun lock. It's dog cheap at three shillings, and you may have it for eighteen pence! Who says? It has as many wards as London, and holds as tight as a bulldog. There's real strength in it. Sampson's strength lay in his locks, but this beats him entirely. Come give us a bid. You must have something to lock up your wife, and keep her from gadding about—save your shoe-leather and doctor's bill. Come, give us a bid. Sixpence bid you say, sir? Thank you, sir. It is yours.'

A Loafer.—The following is the best definition of a loafer we have yet seen:—"A person who begs all the tobacco he uses—knows more people than are acquainted with him, when he meets—often looking at his borrowed watch to see the time, and takes the papers two weeks, and then tramps."

The First Month, or JANUARY—1844.

Day	Remem. ble Days.	Moon South.	High Water at Phil.	Moon's Rising & Setting.	Moon's place at noon.	Aspects of Planets, the rising, setting, and southing of all primary Planets and 1st class Fixed Stars.	Mer. Tab.	Sun Rises.	Sets.	Old Stil. De.
		h. m.	at Phil.		at noon.		h.	m. h. m.		De.
	1 New Year	8 59	10 47	3 40	♉ 25	♃ sets 6 20	4 7	23 4	37 20	
	2 Abel, Seth	9 49	11 37	4 37	♉ 7	♃ in perigee ♃	4 7	23 4	37 21	
W	3 Enoch	10 39	12 27	5 29	♉ 19	♃ sets 5 18	5 7	23 4	37 22	
T	4 Methusæl.	11 31	1 9	6 13	♉ 2	♃ sets 5 53	5 7	22 4	38 23	
F	5 Simon	morn.	1 54	riser	♉ 15	♃ 5th	5 7	22 4	38 24	
S	6 Epiphany.	12 23	2 35	5 59	♉ 27	♃ eyes 9 19	6 7	22 4	38 25	
1st Sunday after Epiphany.					Luke 2.	Day's length 9 hours 18 minutes.				
S	7 Isidor	1 13	3 25	7 6	♉ 11	♃ sets 6 33	6 7	21 4	39 26	
M	8 Erhard.	2 3	4 15	8 13	♉ 21	7* south 8 25	7 7	21 4	39 27	
T	9 Julian	2 51	5 3	9 18	♉ 8	Sirius rises 6 17	7 7	20 4	40 28	
W	10 Paul's sup.	3 38	5 56	10 26	♉ 21	Orion so. 10 22	8 7	19 4	41 29	
F	11 Eugene	4 26	6 38	11 36	♉ 5	♃ ♃ ♃	8 7	19 4	41 30	
F	12 Rinchold	5 16	7 28	morn.	♉ 19	♃ 12, ♃ sets 6 43	8 7	18 4	42 31	
S	13 Hilary	6 7	8 19	12 45	♉ 3	♃ gt. elong E.	9 7	17 4	43 1	
2d Sunday after Epiphany.					John 2.	Day's length 9 hours 26 minutes.				
S	14 Felix	7 2	9 11	1 56	♉ 18	♃ sets 6 17	9 7	17 4	43 2	
M	15 Maurice	7 5	10 10	3 4	♉ 2	♃ in perigee ♃	10 7	16 4	44 3	
T	16 Marcellus	8 59	11 14	4 12	♉ 16	♃ sets 6 50	10 7	15 4	45 4	
W	17 Anthony	9 59	12 11	5 12	♉ 0	♃ sets 7 31	10 7	15 4	45 5	
T	18 Frankl. bo	10 59	12 59	6 5	♉ 14	♃ ♃ ♃ sets 9 41	11 7	14 4	46 6	
F	19 Sara	11 57	1 47	sets	♉ 28	19th	11 7	13 4	47 7	
S	20 F. Sebast. h	12 48	2 36	6 17	♉ 12	♃ enters ♃	11 7	12 4	48 8	
3d Sunday after Epiphany.					Matthew 8.	Day's length 9 hours 38 minutes.				
S	21 Agnes	1 35	3 23	7 21	♉ 25	♃ ♃ ♃ ♃ ♃ ♃ ♃	12 7	11 4	49 9	
M	22 Vincent	2 20	4 18	8 24	♉ 8	♃ sets 7 20	12 7	10 4	50 10	
T	23 Eusebius	3 3	4 51	9 24	♉ 21	♃ sets 7 5	12 7	9 4	51 11	
W	24 Timothy	3 46	5 34	10 23	♉ 3	♃ ♃ ♃ ♃ ♃ ♃ ♃	12 7	8 4	52 12	
	25 Paul's conv.	4 29	6 17	11 22	♉ 16	♃ sets 9 40	13 7	7 4	53 13	
	26 Polycarpus	5 11	6 59	morn.	♉ 28	♃ Reg. ri. 6 43	13 7	6 4	54 14	
S	27 F. Cheyost.	5 36	7 41	12 20	♉ 9	♃ 27, ♃ in apo	13 7	5 4	55 15	
4th Sunday after Epiphany.					Matthew 8.	Day's length 9 hours 52 minutes.				
S	28 Charles	6 42	8 30	1 18	♉ 21	Sirius south 9 58	13 7	4 4	56 16	
M	29 Valerius	7 30	9 18	2 14	♉ 3	♃ ♃ ♃ inferior ♃	13 7	3 4	57 17	
T	30 Adefgunda	8 20	10 8	3 8	♉ 15	Rigel south 8 18	14 7	2 4	58 18	
W	31 Virgil	9 12	11 0	4 0	♉ 27	♃ sets 9 48	14 7	1 4	59 19	

♃ Saturn is the 18th in conjunction, and can, therefore, this and next month, not be seen.

W. d's.	Remarkable Days.	Moon		High Water	Rising & Setting.	Moon's place at noon.	Aspect of Planets, Moon's phases, rising, setting and southing of Planets and Fixed Stars.	Hr.		Sun	Old St. Jan	
		South.	South.					Table.	Sets.			
	1 Bridget	10	4	11 52	4 48	♁ 10	♁ sets 7 25 ☾	14	7	0 5	0 20	
	2 Candlemas	10	56	12 44	5 34	♁ 23	♁ ♃ ♄ sets 6 44	14	6	59 5	1 21	
	3 Blasius	11	47	1 25	6 8	♁ 6	♁ sets 9 37	14	6	58 5	2 22	
3	Septuagesima Sunday.	Matthew 20.				Day's length 10 hours 6 minutes.						
	4 Veronica	morn.	2	6	♁ rises	♁ 20	♁ 1, 7 * s. 6 31	14	6	57 5	3 23	
	5 Agathy	12	37	2 49	7 1	♁ 4	♁ ♃ ♄	14	6	56 5	4 24	
	6 Dorothy	1	27	3 39	8 8	♁ 18	♁ ♃ ♄	14	6	55 5	5 25	
	7 Richard	2	15	4 27	9 19	♁ 2	♁ Sirius south 9 7	14	6	54 5	6 26	
	8 Solomon	3	6	5 18	10 29	♁ 16	♁ ♃ ♄	14	6	53 5	7 27	
	9 Apollonia	3	58	6 10	11 41	♁ 0	♁ in per. ♁ sets 7 42	15	6	52 5	8 28	
	10 Scholastica	4	52	7 4	morn.	♁ 14	♁ Spica rises 10 18	15	6	51 5	9 29	
6	Sexagesima Sunday.	Luke 8.				Day's length 10 hours 22 minutes.						
	11 Euphrosina	5	48	8 0	12 50	♁ 28	♁ 11, Or. s. 8 10	15	6	49 5	11 30	
	12 Gibbert	6	48	9 0	1 59	♁ 12	♁ Rigel s. 7 26	15	6	48 5	12 31	
	13 Valentine	7	47	9 59	3 1	♁ 26	♁ sets 7 52	15	6	47 5	13 1	
	14 Faustinus	8	45	10 57	3 53	♁ 10	♁ sets 9 34 ☾	14	6	45 5	15 2	
	15 Faustinus	9	41	11 52	4 40	♁ 24	♁ Aldebaran s. 6 34	14	6	44 5	16 3	
	16 Constantine	10	33	12 45	5 18	♁ 7	♁ ♃ ♄ ♃ ♄ ♃ ♄	14	6	43 5	17 4	
	17 Concordia	11	23	1 25	5 51	♁ 20	♁ Androm. sets 9 47	14	6	42 5	18 5	
7	Quinquagesima Sunday.	Luke 18.				Day's length 10 hours 38 minutes.						
	18 Susanna	12	16	2 4	♁ sets.	♁ 3	♁ 18, ♃ ♄ ♃ ♄	14	6	41 5	19 6	
	19 Eucharis	12	56	2 44	7 7	♁ 16	♁ enters ♃ ♄	14	6	39 5	21 7	
	20 Shrove T. d.	1	38	3 26	8 8	♁ 29	♁ ♃ ♄ 7 * s. 12 56	14	6	38 5	22 8	
	21 Ash. Wed.	2	21	4 9	9 8	♁ 11	♁ ♃ ♄ sets 8 11	14	6	37 5	23 9	
	22 Wash. b. d.	3	4	4 52	10 6	♁ 23	♁ ♃ ♄ sets 9 30	14	6	35 5	25 10	
	23 Solomon	3	48	5 36	11 4	♁ 5	♁ gr. elong. west.	14	6	34 5	26 11	
	24 Matthias	4	34	6 22	morn.	♁ 16	♁ in apo. ♃ ♄ 5 20	14	6	33 5	27 12	
8	Sunday in Lent.	Matthew 4.				Day's length 10 hours 54 minutes.						
	25 Victor	5	22	7 10	12 1	♁ 28	♁ ♃ ♄ ♃ ♄ ♃ ♄ ♃ ♄	13	6	31 5	29 13	
	26 Nestor	6	11	7 59	12 57	♁ 10	♁ 26, sets 8 22	13	6	30 5	30 14	
	27 Lemuel	7	2	8 50	1 48	♁ 22	♁ ♃ ♄ sets 9 31	13	6	29 5	31 15	
	28 Emberday	7	53	9 45	2 37	♁ 4	♁ Orion so. 7 5 ☾	13	6	27 5	33 16	
	29 Romulus	8	44	10 32	3 21	♁ 17	♁ ♃ ♄ ☾	13	6	26 5	34 17	

♁ Venus is evening star until the 23d of July at 11 o'clock 42 minutes forenoon; from thence Venus will be morning star to the year's end.

♁ Jupiter is the 29th in conjunction with the Sun, and can, on that account, not be seen this and next month.

The Third Month, or MARCH—1844,

Remarkable Days.	Moon South. h. m.	High Water at Philad.	Moon's Rising & Setting.	Moon's place at noon.	Aspects of Planets and other Miscellaneous matter.	Hr. Pa-ble.	Sun Rises. h. m.	Sets. h. m.	Old St. Fe.
1 Ash Wed.	9 35	11 23	4 1	1	♄ sets 8 31	13 6	25 5	35 18	
2 Chad	10 27	12 15	4 34	14	♃ sets 9 31	12 6	24 5	36 19	
9 2d Sunday in Lent.	Matthew 15.				Day's length		11 hours 16 minutes.		
S 3 Julianus	11 17	12 56	5 9	28	♄ rises 4 43	12 6	22 5	38 20	
M 4 Matthias	morn.	1 37	♃ rises	12	♄ 4th, ♃ 24	12 6	21 5	39 21	
T 5 Frederick	12 8	2 20	7 6	26	Sirius s. 7 33	12 6	20 5	40 22	
W 6 Fridolin	1 1	3 13	8 19	11	Regul so. 10 51	11 6	18 5	42 23	
T 7 Richard	1 54	4 6	9 32	26	♃ in perigee	11 6	17 5	43 24	
F 8 Emberday	2 49	5 10	10 43	11	♃ ♄ ♃ sets 8 48	11 6	16 5	44 25	
S 9 Prudence	3 47	5 59	11 53	25	Andr. sets 8 28	11 6	14 5	46 26	
10 3d Sunday in Lent.	Luke 11.				Day's length		11 hours 31 minutes.		
S 10 Rosina	4 46	6 58	morn.	9	Rigel s. 11 16 36	10 6	13 5	47 27	
M 11 Ernestus	5 46	7 58	12 57	23	♃ 11th,	10 6	12 5	48 28	
T 12 Gregory	6 44	8 56	1 53	7	♃ sets 8 58	10 6	10 5	50 29	
W 13 Macedon	7 42	9 54	2 44	20	Spica rises 8 17	10 6	9 5	51 1	
T 14 Zachariah	8 35	10 47	3 25	4	♃ ♄ h. h. ri. 3 54	9 6	8 5	52 2	
F 15 Christopher	9 24	11 36	4 0	17	Wega rises 10 11	9 6	6 5	54 3	
S 16 Cyprianus	10 10	12 22	4 31	0	Orion sets 12 26	9 6	5 5	55 4	
11 Mid Lent, or 4th Sunday in Lent.	John 6.				Day's length		11 hours 52 minutes.		
S 17 St. Patrick	10 56	1 0	4 53	13	♃ ♄ 24, 7* s. 11 19	8 6	4 5	56 5	
M 18 Anshignus	11 41	1 36	♃ sets.	25	13, ♃ s. 9 30	8 6	2 5	58 6	
T 19 Joseph	12 24	2 12	7 1	7	♃ sets 9 16	8 6	1 5	59 7	
W 20 Matrona	1 7	2 55	7 58	19	♃ en. ♄ d. & n. eq.	8 6	0 6	0 8	
T 21 Benedict	1 51	3 39	8 58	1	♃ ♄ spring com.	7 5	58 6	2 9	
F 22 Paulina	2 36	4 24	9 55	13	♃ ♄ ♃ ♄ ♃	7 5	57 6	3 10	
S 23 Eberhard	3 24	5 12	10 51	25	♃ in apogee	7 5	56 6	4 11	
12 5th Sunday in Lent.	John 8.				Day's length		12 hours 12 minutes.		
S 24 Gabriel	4 13	6 11	11 45	7	♃ ♄ h. ♄ s. 9 29	6 5	54 6	6 12	
M 25 A of B. V. M.	5 1	6 49	morn.	19	♃ ♄ Reg s. 9 41	6 5	53 6	7 13	
T 26 Emanuel	5 51	7 39	12 33	1	♃ ♄ 26, ♄ s. 9 28	6 5	52 6	8 14	
W 27 Emanuel	6 42	8 30	1 18	13	Spica rises 7 26	5 5	50 6	10 15	
T 28 Gustavus	7 32	9 20	2 0	25	♄ rises 3 7	5 5	49 6	11 16	
F 29 Gustavus	8 20	10 8	2 37	8	Orion sets 11 40	5 5	48 6	12 17	
S 30 Guido	9 10	10 58	3 9	22	Sirius sets 11 4	4 5	47 6	13 18	
13 6th Sunday.	Matthew 21.				Day's length		12 hours 30 minutes.		
S 31 Detlaus	10 0	11 48	3 41	6	Rigel sets 9 59	4 5	45 6	15 19	

MOON'S PHASES.

Full moon the 4th, at 3 o'clock 59 minutes, at
noon.

Last quarter the 11th, at 8 o'clock 9 minutes,
morning.

New moon the 18th, at 7 o'clock 9 minutes, eve-
ning.

First quarter the 26th, at 11 o'clock 55 minutes,
evening.

CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, clear, cold; 4th, 5th, moderate; 6th, 7th,
8th, rain and snow; 9th, 10th, 11th, cold; 12th, 13th, mod-
erate; 14th, 15th, 16th, rain, snow melts away; 17th, 18th,
fair; 19th, 20th, equinoctial storm; 21st, 2nd, 23d, cloudy,
variable; 24th, 25th, 26th, fair; 27th, 28th, 29th, variable;
30th, 31st, clear.

Professor of Signs.—King James VI, on moving to
London, was waited upon by the Spanish Ambassador, a
man of erudition, who had a croquet in his head that every
country should have a Professor of Signs, to teach him and
the like of him to understand one another. The Ambassa-
dor was lamenting one day, before the King, this grand
desideratum throughout all Europe, when the King, who
was a queerish sort of a man, says to him—"Why, I have
a Professor of Signs in the northernmost College in my do-
minions, viz, at Aberdeen, but it is a vast way off, perhaps
600 miles." "Were it 10 000 leagues I shall see him,"
says the Ambassador, "and I am determined to set out in
two or three days." The King saw he had committed
himself, and writes, or causes to be written, to the Uni-
versity of Aberdeen, stating the case, and desiring the Pro-
fessors to put him off some way, or make the best of him.
The Ambassador arrives, is received with great solemnity
but soon began to inquire which of them had the honor to
be the Professor of Signs, and being told that the Professor
was absent in the Highlands, and would return nobody
could tell when, says the Ambassador, "I will wait his re-
turn, though it were twelve months." Seeing that this
would not do, and that they had him to entertain at a
great expense all the while, they employed a stratagem.

There was one Geordy, a butcher, blind of an eye, a dot-
fellow with much wit and reguery about him. He is got
told the story, and in consequence to be a Professor of Signs,
but not to speak on pain of death! Geordy undertakes it.
The Ambassador is now told that the Professor of Signs
would be home next day, at which he rejoiced greatly.—
Geordy is gowned, wigged and placed in a chair to state in
a room of the college, all the professors and the Ambassa-
dor being in an adjoining room. The Ambassador is now
shown into Geordy's room, and left to converse with him
as well as he could, the whole of the professors waiting the
issue with fear and trembling. The Ambassador holds up

one of his fingers to Geordy; Geordy holds up two of his.
The Ambassador holds up three; Geordy clenches his fist
and looks stern. The Ambassador then takes an orange
from his pocket and holds it up; Geordy takes a piece of
barley cake from his pocket, and holds that up. After
which the Ambassador bows to him, and retires to the
other Professors, who anxiously inquired his opinion of
their brother. "He is a perfect miracle," says the Ambassa-
dor; "I would not give him for the wealth of the In-
dies!" "Well," says the Professors, "do descend to particu-
lars." "Why," says the Ambassador, "I first held up
one finger, denoting that there is but one God; he held up
two, signifying that there are the Father and Son; I held
up three, meaning the Father, Son, and Holy Ghost; he
clenched his fist to say that these were one. I then took
out an orange, signifying the goodness of God who gives
his creatures not only the necessaries, but the luxuries of
life; upon which the wonderful man presented a piece of
bread, showing that it was the staff of life and preferable to
every luxury."

The Professors were very glad that matters had turned
out so well; so having got quit of the Ambassador, they
next got Geordy, to hear his version of the signs. "Well,
Geordy, how have you come on, and what think you of
your mad?" "The rascal," says Geordy, "what did he do
first, think ye! He held up one finger, as much as to say,
you have only one eye! Then I held up two, meaning
but my one eye was perhaps as good as both his. Then
the fellow held up three of his fingers, to say that there
were but three between us; and then I was so mad at the
souldrel, that I stuck my right eye in a wall to come
a whack on the side of his head, and would ha' broke at tea,
but for your sakes. Then the rascal did not stop with his
rovocation here; but, forsooth, takes out an orange, as
much as to say, your poor, hungry, cold country cannot
produce that! I showed him a whang of a bear hamme k,
meaning that I did na' care a farthing for him nor his trash,
either, as lang as I ha' this! But by a' that's guid, (con-
cluded Geordy,) I'm angry yet that I didna thrash the hills
' the souldrel!" So much for signs, or two ways of
telling a story.

A Black Chemist.—Since clearing the properties out of
the Tremont Theatre, some straggling articles had come

W. d's.	Remarkable Days.	Moon		High	Moon's	Moon's	Aspects of Planets		Sun		Old	
		South.	Water at	Rising &	place	and other		Rises.	Sets.	St.		
		h.	m.	Philad.	Setting.	at noon.	Miscellaneous matter.		h.	m.	Ma	
T	1 Theodore	10	53	12 41	4 12	20 ♀	sets 9 50		4 5	4 16	16 20	
W	2 Theodosia	11	47	1 25	4 47	5 ☽	♂ sets 9 28		4 5	4 16	17 21	
T	3 Ferdinand	morn.		2 9	Drises	20 ☽	3d		3 5	4 16	19 22	
F	4 Maun. Th.	12	42	2 54	8 44	5 ☽	in perigee		3 5	4 06	20 23	
S	5 Good Frid.	1	41	3 53	9 53	20 ☽	Sirius sets 10 42		3 5	3 96	21 24	
S	6 Egessippus	2	43	4 55	10 54	5 ☽	Regul so. 8 58		2 5	3 76	23 25	
14 | Easter Sunday.		Mark 16.						Day's length 12 hours 48 minutes.				
S	7 Easter Sun.	3	44	5 56	11 49	19 ☽	♂ ☽ ☽ superior		2 5	3 66	24 26	
M	8 Easter Mon	4	45	6 57	morn.	3 ☽	♂ rises 2 31	☾	2 5	3 56	25 27	
T	9 Prochorus	5	45	7 57	12 36	17 ☽	9, 7* s. 9 56		1 5	3 36	27 28	
W	10 Daniel	6	39	8 51	1 19	0 ☽	Or'n s. 10 56		1 5	3 26	28 29	
T	11 Gideon	7	30	9 42	1 55	14 ☽	♂ ♀ sets 10 12		1 5	3 16	29 30	
F	12 Eustatius	8	17	10 29	2 29	27 ☽	♂ sets 9 28		The Sun	5 306	30 31	
S	13 Justinus	9	3	11 15	2 55	9 ☽	eye sets 9 55		5	2 96	31 1	
15 | 1st Sunday after Easter.		John 20.						Day's length 13 hours 6 minutes.				
S	14 Tiburtius	9	46	11 58	3 21	22 ☽	♂ ☽ ☽ ri. 4 6		5	2 76	33 2	
M	15 Olympia	10	32	12 44	3 52	4 ☽	♂ ☽ ☽ ri. 2 5		5	2 66	34 3	
T	16 Calixtus	11	17	1 20	4 22	16 ☽	Antares ri. 10 18		0 5	2 56	35 4	
W	17 Rudolph	12	1	1 56	sets.	28 ☽	17, Ri. s. 8 57		0 5	2 46	36 5	
T	18 Æneas	12	44	2 31	8 3	10 ☽	♂ ☽ ☽		1 5	2 36	37 6	
F	19 Julius	1	28	3 16	8 56	22 ☽	in apogee		1 5	2 16	39 7	
S	20 Gregory	2	15	4 3	9 49	3 ☽	♂ ☽ ☽ ent.		1 5	2 06	40 8	
16 | 2d Sunday after Easter.		John 10.						Day's length 13 hours 22 minutes.				
S	21 Adolarius	3	3	4 51	10 38	15 ☽	♂ ☽ ☽ s. 10 31		1 5	1 96	41 9	
M	22 Cajus	3	53	5 41	11 25	27 ☽	Sirius sets 9 40		2 5	1 86	42 10	
T	23 St. George	4	43	6 31	morn.	9 ☽	Reg. so. 7 55	☾	2 5	1 76	43 11	
W	24 Albert	5	32	7 20	12 8	21 ☽	♂ sets 9 24		2 5	1 56	45 12	
S	25 St. Mark	6	20	8 8	12 45	4 ☽	25, ♀ s. 10 36		2 5	1 46	46 13	
F	26 Cletus	7	8	8 56	1 19	17 ☽	☽ ☽ ☽		2 5	1 36	47 14	
S	27 Anastasius	7	56	9 44	1 51	0 ☽	♂ rises 3 26		2 5	1 26	48 15	
17 | 3d Sunday after Easter.		John 16.						Day's length 13 hours 40 minutes.				
S	28 Vitalis	8	46	10 34	2 21	14 ☽	♂ rises 1 16		3 5	1 06	50 16	
M	29 Sybilla	9	37	11 25	2 52	25 ☽	Spica so. 10 49		3 5	9 6	51 17	
T	30 Eutropius	10	30	12 18	3 22	13 ☽	Sirius sets 9 9		3 5	8 6	52 18	

MOON'S PHASES.

Full moon the 3d, at 1 o'clock 54 minutes, morning.

Last quarter the 9th, at 5 o'clock 5 minutes, afternoon.

New moon the 17th, at 11 o'clock 31 minutes, forenoon.

First quarter the 25th, at 3 o'clock 14 minutes, afternoon.

Sunrise.—The following pretty description is by Grace Harkaway:

The man that misses sunrise loses the sweetest part of his existence. I love to watch the first tear that glistens in the opening eye of morning; the silent song; the flowers breathe; the morning choir of the woodland minstrels—to which the modest brook trickles applause—thee, swelling out the sweetest of creation's mutins, seem to pour some merry tale into the delighted ear, as if the world had dreamed a happy thing, and now smiled e'er the telling of it!

Love and Reconciliation.—It is a glorious thing,—and those who truly love know well how glorious it is—after moments of misunderstanding, even of reciprocal transgression, to rest again, heart to heart, and to feel, deeply feel, that there is a certainty in the world, in spite of all the powers of hell, a certainty, which is heaven upon earth,—that they love each other, that they belong to each other, that nothing, nothing in the world shall separate them, who have found each other again in true, in perfect love. O! this is a certainty, the most beautified that there is on earth,—a certainty, which is the foundation and security for every other. He felt it truly, the man, who, when about to leave the stage of life, laid his hands upon his heart and said: "I love, therefore I am immortal!"

A Tender Hearted Judge.—The following story is told of a Judge in Texas:

A very learned and compassionate Judge in Texas, on passing sentence on one John Jones, who had been convicted of murder, concluded his remarks as follows:—"The fact is, Jones, that the Court did not intend to order you to be executed before next spring, but the weather is very cold—our jail, unfortunately, is in a very bad condition—much of the glass in the windows is broken—the chimneys are in such a dilapidated state that no fire can be made to render your apartments comfortable; besides, owing to the great number of prisoners, not more than one blanket can be allowed to each—to sleep soundly and comfortably, therefore, will be out of the question. In consideration of these circumstances, and wishing to lessen your sufferings as much as possible, the Court, in the exercise of its humanity and compassion, do hereby order you to be executed to-morrow morning, as soon after breakfast as may be convenient to the Sheriff and agreeable to you."

CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, warm, with thunder; 4th, 5th, rain; 6th, 7th, 8th, fine; 9th, 10th, cloudy; 11th, rain; 12th, 13th, variable; 14th, 15th, fair; 16th, 17th, showers; 18th, 19th, clear; 20th, 21st, wind and rain; 22nd, 23d, thunder showers; 24th, fair; 25th, rain; 26th, clear; 27th, 28th, warm; 29th, 30th, thunder showers.

into the possession of the city urchins, who have had rare sport with the basket horses, wooden swords, plumes, &c. Passing down by the 'black sea' in Ann street, one day last week, I witnessed a scene never equalled on any stage, and which would draw tears of mirth from the longest faced Quaker. There stood a little he-darkey about a dozen years old who had, by hook or crook, come into possession of a pair of gilt fairy's wings, which he had contrived to fasten under his arms. A group of little niggers were gathered around him, in an agony of delight, ginning from ear to ear, as he harangued them thus: "I say boys—I see a Millerite—git out ob de way dere, ole Dan Tucker—an' gib us a chance to go up! Wish I had one ob dem 'ere ascension robes, den I'd go it like a school marm.—Any on you niggers want to take passage? I'll put you through by daylight. I ha'nt got no jacket for you to hang on to—but jest catch hold ob de slack ob my trowsers, and I'll carry you up heaut'fully! Whoora fur brodder Himes and parson Miller!"

Fame and Immortality.—"The consequences which the actions of men bring after them commonly lie out of their power to compute. A small seed may grow up to a great tree, a blazing fire may be smothered in ashes. Whether the victories of heroes have done more for humanity, than the unobtrusive life of love of an unknown man, is only seen by the All-seeing Eye above us. Let each one do the good that is in his path and in his calling, and his work shall remain, even if it seem to pass away, and will bear fruit in its time. Honorable fame, my best Edna," he continued, turning towards her a full and affectionate glance, "must not be confounded with immortality on earth. A name may be repeated by millions through centuries of years—that is fame. The good which you think and do, the spirit which goes from you, and which lives and perpetuates itself through endless generations, this is true immortality upon earth."

Great Western—B

W. d's.	Remarkable Days.	Moon South.		High Water at Philad.	Moon's Rising & Setting.	Moon's place at noon.	Aspects of Planets and other Miscellaneous matter.	Mr. Table.		Sun		Old Stil. Ap.		
		h.	m.					Rises.	Sets.	h.	m.			
	1 Phil. James	11	28	1 5	3 56	28	sets 10 45	3	5	7	6	53	19	
T	2 Sigismund	morn.		1 52	rises	13	2d, in per.	3	5	6	6	54	20	
F	3 Inv. of Cross	12	29	2 41	8 41	28	sets 9 19	3	5	5	6	55	21	
S	4 Florianus	1	33	3 45	9 46	13	sets 8 50	3	5	4	6	56	22	
18	4th Sunday after Easter.				John 16.		Day's length 13 hours 54 minutes.							
S	5 Godart	2	36	4 48	10 44	28	gr. elong. east	3	5	3	6	57	23	
M	6 St. John Ev.	3	38	5 50	11 32	13	Sirius s. 8 32	3	5	2	6	58	24	
T	7 Domicilla	4	36	6 48	morn.		27	Orion sets 8 44	4	5	1	6	59	25
W	8 Stanislaus	5	30	7 42	12 13	10	h. r. 12 41	4	5	0	7	0	26	
T	9 Job	6	20	8 32	12 48	23	9, s. 10 51	4	4	5	9	1	27	
F	10 Gordianus	7	5	9 17	1 17	6	Spica south 10 7	4	4	5	8	2	28	
S	11 Mamertus	7	49	10 1	1 45	19	Arctur. so. 10 55	4	4	5	7	3	29	
19	5th Sunday after Easter, or Rogation Sun.				John 16.		Day's length 14 hours 8 minutes.							
S	12 Pancratius	8	32	10 44	2 11	1	2. 2 ri. 2 36	4	4	5	6	7	4	30
M	13 Servatus	9	13	11 25	2 39	13	H. s. 10 53	4	4	5	5	7	5	1
T	14 Christian	9	56	12 8	3 3	25	gr. elong. east.	4	4	5	4	6	2	
W	15 Sophia	10	39	12 48	3 32	7	sets 9 12	4	4	5	3	7	3	
T	16 Ascension d	11	26	1 28	4 7	19	in apogee	4	4	5	2	8	4	
F	17 Iodius	12	16	2 4	sets.	1	1 7th	4	4	5	1	9	5	
S	18 Liberius	1	4	2 52	8 39	13	9	4	4	5	0	10	6	
20	6th Sunday after Easter.				John 15.		Day's length 14 hours 24 minutes.							
S	19 Dunstan	1	52	3 40	9 26	25	s. sets 9 8	4	4	4	9	7	11	7
M	20 Godart	1	41	4 29	10 8	7	eye s. 8 15	4	4	4	8	7	12	8
T	21 Prudence	3	30	5 18	10 47	19	en.	4	4	4	8	7	12	9
W	22 Helen	4	18	6 6	11 22	1	rises 2 1	4	4	4	7	13	10	
T	23 Desiderius	5	4	6 52	11 53	13	rises 11 42	4	4	4	6	7	14	11
F	24 Esther	5	50	7 38	morn.		26	sets 10 48	3	4	4	6	14	12
S	25 Urbanus	6	37	8 25	12 21	9	25, sets 9 2	3	4	4	5	7	15	13
21	Whit Sunday, or Pentecost.				John 14.		Day's length 14 hours 32 minutes.							
S	26 Whit. Sun.	7	26	9 14	12 50	23	Rigel sets 9 20	3	4	4	4	7	16	14
M	27 Whit. Mon.	8	16	10 4	1 20	7	Regul sets 12 25	3	4	4	3	7	17	15
T	28 Torpetus	9	11	10 59	1 52	22	inferior	3	4	4	3	7	17	16
W	29 Emberday	10	10	11 58	2 30	7	Arctur. so. 9 43	3	4	4	2	7	18	17
T	30 Sophia	11	11	12 47	3 14	22	in per.	3	4	4	1	7	19	18
F	31 Manilius	morn.		1 37	rises	7	31, eclip.	3	4	4	1	7	19	19



CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, variable, cloudy, rainy; 4th, 5th, 6th, fair; 7th, cloudy; 8th, 9th, rain; 10th, 11th, fair; 12th, thunder; 13th, warm; 14th, 15th, variable; 16th, 17th, thunder; 18th, cloudy; 19th, 20th, rain; 21st, 22nd, 23d, 24th, fine, pleasant; 25th, 26th, warm; 27th, thunder showers; 28th, 29th, cloudy; 30th, 31st, clear.

"DREADFUL HARD TIMES."

Yesterday I walked down to that part of the town, Where people collect at the sign of the Tun, To discuss and debate the great matters of state, And show how the things that go wrong should be done; There was ragged Sam Bent, who is not worth a cent, There was idle Dick Lawless, and noisy Jack Grimes, And swaggering Jim Bell, who had nothing to sell, All cursing the banks, and these dreadful hard times.

There was old daddy Slop, who had lost his last crop, By neglecting to mend up some gaps in his fence; There was shabby Ned Thorn, who had planted his corn, But had never put hoe, no, nor plough to it since; There was dashing Bill Sutton, with his fine dandy coat on, Who was ne'er out of debt, or was worth twenty dimes; They too joined the throng, and still kept up the song, A curse on the Banks, and these dreadful hard times.

Next came in Dick Short, who was summon'd to court, For some hundred of half pints of whiskey and rum; He had brought the last sack of his grain on his back, Though his children were crying with hunger at home; Here, landlord, said Short, come, bring me a quart; I must treat these my friends, sir, and merry Jack Grimes; I've the corn, sir, to pay, there's no looking to-day; Then he fell to cursing the banks and hard times.

Next came in Tom Sargent, who had lately turned merchant, And bought a full store, I can scarcely tell how; But this much I know, about twelve months ago, That the constable sold at the post, his last cow; Yet Tom dashed away, spending hundreds each day, Till his merchants brought suits for their dry goods and wines; So Tom joined the throng, and assisted the song, With a curse on the banks and these dreadful hard times.

MOON'S PHASES.

Full moon the 2d, at 10 o'clock 18 minutes, forenoon.
Last quarter the 9th, at 3 o'clock 25 minutes, morning.
New moon the 17, at 3 o'clock 56 minutes, morning.
First quarter the 25th, at 2 o'clock 32 minutes, morning.
Full moon the 31st, at 5 o'clock, 49 minutes, afternoon.

Next appeared Madam Pride, (and a beau at her side,) With her silks spread with laces, quite down to her trail; Her husband that day, unable to pay, For the dress she then wore, had been locked up in jail; She turned to the throng, as she tripped it along, And she hoped that the merchants would swing for such crimes,
"As to make people pay their old debts in this way;" And she cursed all the banks, and these dreadful hard times.

Now, said I, Mr. Short, you are summoned to court, And must soon go to jail for these long whiskey scores; And you, Mr. Drew, aye, and you, sir, and you, Who are hanging round taverns, and running to stores; And you, Madam Pride, must your silks lay aside, And you, Mr. Idle, and you, Mr. Grimes, Must all to your labors, like some of your neighbors, And you'll soon put an end to these dreadful hard times.

The Sick Chamber.—Health and the Sun have been always sung and praised; I will now celebrate sickness and shade. I will celebrate thee, bodily sickness, when thou sayest thy hand on the head and heart of man, and layest to the sufferings of his spirit, "Enough!" Thou art called on earth an evil; ah! how often art thou a good, a healing balsam, under whose benign influence the soul rests after its hard struggles, and its wild storms are still more than once hast thou prevented suicide, and preserved from madness.—The terrible, the bitter words which destroy the heart are by degrees obliterated during the feverish dreams of illness; the terrors which lately seemed so near us are drawn away into the distance; we forget,—God be thanked,—we forget! and when at last we arise with exhausted strength from the sick-bed, our souls often awake as out of a long night into a new morning. So many things, during the illness of the body, conspire to soften the feelings; the still room; the mild twilight through the window curtains; the low voices; and then, more than all, the kind words of those who surround us, their attention, their solicitude, perhaps a tear in their eyes; all this does us good; and when the wise Solomon enumerated all the good things which have their time upon the earth, he forgot to celebrate sickness among the rest.

W. d's	Remarkable Days.	Moon		High	Moon's	Moon's	Aspects of Planets		Hr.	Sun			Old	
		South.	m.	Water at Philad.	Rising & Setting.	place at noon	and other Miscellaneous matter.	Ta-		Rises.	Sets.	St.		
		h.								h.	m.	h.	m.	My
1	Nicodemus	12 15	2 27	8 28	8 28	♄ 22	♄ sets 10 37		2 4	40 7	20 20			
2	Trinity Sunday.				John 3.		Day's length		14	40	7	20	20	
S	2 Liberius	1 19	3 31	9 21	♃ 7	♃ 7	♃ sets 8 49	☾	2 4	40 7	20 21			
M	3 Erasmus	2 20	4 32	10 7	♃ 21	♃ 21	♃ rises 10 56		2 4	39 7	21 22			
T	4 Darius	3 18	5 30	10 45	♃ 5	♃ 5	♃ ♄ ♃		2 4	39 7	21 23			
W	5 Bonifacius	4 10	6 22	11 16	♃ 19	♃ 19	Arctur. so. 9 14		2 4	38 7	22 24			
T	6 Corp. Christ	4 58	7 10	11 43	♃ 2	♃ 2	Regul. sets 11 45		2 4	38 7	22 25			
F	7 Lucretia	5 42	7 54	morn.	♃ 15	♃ 15	♃ ♄, An. s. 11 17	☾	1 1	37 7	23 26			
S	8 Metardus	6 25	8 37	12 10	♃ 28	♃ 28	♃ ♄ ♃ 12 56	☾	1 1	37 7	23 27			
23	1st Sunday after Trinity.				Luke 16.		Day's length		14	46	7	23	28	
S	9 Barnimus	7 8	9 20	12 36	♃ 10	♃ 10	♃ ♄ ♃ ♃ ri. 1 2		1 1	37 7	23 28			
M	10 A. 1st A. Ca.	7 50	10 2	1 3	♃ 22	♃ 22	Spica so. 8 3		1 1	36 7	24 29			
T	11 Parnabas	8 33	10 45	1 32	♃ 4	♃ 4	Wega south 1 12		1 1	36 7	24 30			
W	12 Basilides	9 18	11 30	2 2	♃ 16	♃ 16	♃ in apo. ♃ r. 10 17		0 4	36 7	24 31			
T	13 Tobias	10 6	12 18	2 10	♃ 27	♃ 27	♃ sets 10 10			1 36 7	24 1			
F	14 Heliseus	10 55	12 59	3 21	♃ 9	♃ 9	♃ ♄ ♃ ♃ ♃	☾		4 36 7	24 2			
S	15 Vitus	11 44	1 41	sets.	♃ 21	♃ 21	♃ ♄ ♃ 15, ☾ eclip.	☾		1 35 7	25 3			
24	2d Sunday after Trinity.				Luke 14.		Day's length		14	50	7	25	4	
S	16 Rolandus	12 34	2 22	8 5	♃ 3	♃ 3	♃ gr. bril.	☾		4 35 7	25 4			
M	17 St Albans	1 23	3 11	8 45	♃ 15	♃ 15	♃ ♄ ♃ ♃ sets 8 34	☾	1 4	35 7	25 5			
T	18 Arnolphus	2 11	3 59	9 21	♃ 28	♃ 28	♃ rises 12 20		1 4	35 7	25 6			
W	19 Gervasius	3 0	4 48	9 53	♃ 11	♃ 11	♃ ♄ ♃ ♃ sets 9 51		1 4	35 7	25 7			
T	20 Sylverius	3 46	5 34	10 23	♃ 23	♃ 23	♃ rises 3 24		1 4	35 7	25 8			
F	21 Raphael	4 31	6 19	10 50	♃ 6	♃ 6	☾ en. ♃ long day		1 4	34 7	26 9			
S	22 Achatius	5 18	7 6	11 19	♃ 19	♃ 19	♃ gr. elong w. ☾	☾	2 4	35 7	25 10			
25	3d Sunday after Trinity.				Luke 15.		Day's length		14	50	7	25	11	
S	23 Agrippina	6 7	7 55	11 50	♃ 3	♃ 3	♃ 23d, ☾ ♃ ♃	☾	2 1	35 7	25 11			
M	24 John Bapt.	6 56	8 44	morn.	♃ 17	♃ 17	♃ ♄ ♃ sets 9 33	☾	2 1	35 7	25 12			
T	25 Elogius	7 51	9 39	12 22	♃ 1	♃ 1	♃ sets 8 25		2 1	35 7	25 13			
W	26 Jeremiah	8 49	10 37	1 1	♃ 15	♃ 15	♃ rises 9 21		3 1	35 7	25 14			
T	27 7 sleepers	9 51	11 39	1 47	♃ 0	♃ 0	♃ ♄ ♃ ♃ ♃		3 1	35 7	25 15			
F	28 Leo	10 54	12 46	2 41	♃ 15	♃ 15	♃ in per. ♃ r. 11 13		3 1	36 7	24 16			
S	29 St P. & Pet.	11 55	1 34	3 43	♃ 0	♃ 0	Wega so. 11 57	☾	3 1	36 7	24 17			
26	4th Sunday after Trinity.				Luke 6.		Day's length		14	48	7	25	18	
S	30 Lucina	morn	2 20	sets	♃ 15	♃ 15	♃ ♄ ♃ ♃ 30, Sp s 12 1	☾	3 1	36 7	24 18			

MOON'S PHASES.

Last quarter the 7th, at 3 o'clock 30 minutes, afternoon.

New moon the 15th, at 7 o'clock 25 minutes, evening.

First quarter the 23d, at 10 o'clock, 21 minutes, forenoon.

Full moon the 30th, at 1 o'clock 12 minutes, morning.

CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, clear; 4th, 5th, changeable; 6th, cloudy; 7th, 8th, clear; 9th, 10th, fair, warm; 11th, 12th, 13th, shower rain; 14th, stormy; 16th, cloudy; 17th, 18th, rain; 19th, 20th, cloudy; 21st, 22nd, warm; 23d, 24th, variable; 25th, 26th, 27th, cloudy; 28th, 29th, variable; 30th, thunder showers.

Reviving the Dead.—Mantaccini, the famous charlatan of Paris, was a young man of good family, and having in a few years squandered a large estate, and reduced himself to beggary, he felt that he must exercise his ingenuity or starve. In this state of mind he cast his eyes round the various devices which save from indigence, and are most favored by fortune. He soon perceived that charlatanism was that on which the blind benefactress lavished her favors with most pleasure, and in the greatest abundance. An adroit and loquacious domestic was the only remaining article of all his former grandeur; he dressed him up in a gold laced livery, mounted a splendid chariot, and started on the tour under the name, style, and title of the celebrated Dr. Mantaccini, who cures all diseases with a single touch or a simple look.

Not finding that he obtained as much practice as his daring genius anticipated, he determined to resort to still higher flights. He left Paris, and modestly announced and himself at Lyons as "the celebrated Dr. Mantaccini, who revives the dead at will." To remove all doubt, he declared that in fifteen days he would go to the common church-yard, and restore to life its inhabitants, though buried for ten years. This declaration excited a general rumor and murmur against the doctor, who, not in the least deterred, applied to the magistrate, and requested that he might be put under guard to prevent his escape, until he should perform his undertaking. The proposal inspired the greatest confidence, and the whole city came to consult the clever empiric, and purchase his *baume de vie*. His consultations were most numerous, and he received large sums of money. At length the famous day approached, and the doctor's valet leaning for his shoulders, began to manifest signs of uneasiness. "You know nothing of man-He then perceived that the first lines of the letter only kind," said the quack to his servant; "be quiet." Scarcely had he spoken three words, when the following letter was presented to him from a rich citizen:—"Sir, the great operation you are going to perform has broken my rest. I have died a wife buried for some time, who was a fury, and I am happy enough already without her resurrection. In the

name of Heaven do not make the experiment. I will give you fifty louis to keep your secret to yourself." In an instant after two dashing beaux arrived, who, with the most earnest supplications, entreated him not to raise their old father, formerly the greatest miser in the city, as, in such an event, they would be reduced to the most deplorable indigence. They offered him a fee of fifty louis, but the doctor shook his head in doubtful compliance. Scarcely had they retired, when a young widow, on the eve of matrimony, threw herself at the feet of the quack, and with sobs and sighs implored his mercy.

In short, from morn till night, the doctor received letters, visits, presents, fees, to an excess, which absolutely overwhelmed him. The minds of the citizens were curiously and violently agitated, some by fear and others by curiosity, so that the chief-magistrate of the city waited upon the doctor and said: "Sir, I have not the least doubt, from my experience of your rare talents, that you will be able to accomplish the resurrection in our church-yard the day after to-morrow, according to your promise; but I pray you to observe that our city is in the utmost uproar and confusion; and to consider the dreadful revolution the success of your experiment must produce in every family; I entreat you, therefore, not to attempt it, but to go away, and thus restore the tranquility of the city. In justice, however, to your talents, presents, fees, to an excess, which absolutely overwhelmed him. The minds of the citizens were curiously and violently agitated, some by fear and others by curiosity, so that the chief-magistrate of the city waited upon the doctor and said: "Sir, I have not the least doubt, from my experience of your rare talents, that you will be able to accomplish the resurrection in our church-yard the day after to-morrow, according to your promise; but I pray you to observe that our city is in the utmost uproar and confusion; and to consider the dreadful revolution the success of your experiment must produce in every family; I entreat you, therefore, not to attempt it, but to go away, and thus restore the tranquility of the city. In justice, however, to your talents, I shall give you an attestation, in due form, under our seal, that you can *revive* the dead, and that it was our own fault that we were not eye-witnesses of your power." This certificate was duly signed and delivered, and Dr. Mantaccini left Lyons for other cities to work new miracles. In a short time he returned to Paris loaded with gold, where he laughed at the popular credulity.

—Physic and Physician.

Cardinal Mazarin was dictating one day a letter to his secretary. The latter overcame with incessant work, fell asleep, and the Cardinal continued dictating, while pacing up and down his study; when he had come to the conclusion, he turned towards his secretary saying, "end as usual." He then perceived that the first lines of the letter only were written. The Cardinal was very partial to that kind, and treated him as a father. To wake him, he gave him a box on the ear; the secretary, in a fury, returned him a rebuff:—"Sir, the great operation you are going to perform has broken my rest. I have died a wife buried for some time, who was a fury, and I am happy enough already without her resurrection. In the

W. d.	Remarkable Days.	Moon South. h. m.	High Water at Philad. h. m.	Moon's Rising & Setting. h. m.	Moon's place at noon.	Aspects of Planets and other Miscellaneous matter.	Mr. Ta-ble.	Sun Rises. h. m.	Sets. h. m.	Old Stil. Ju.
M	1 Theobald	12 56	3 8	8 30	♌ 0	♄ sets 9 0	4 4	36 7	24 19	19
T	2 Visit V. M.	1 49	4 1	9 6	♌ 14	♄ ♃ ♃ ☉ in apo.	4 4	36 7	24 20	20
W	3 Cornelius	2 41	4 53	9 39	♌ 28	♄ rises 11 21	4 4	37 7	23 21	21
T	4 Independt.	3 30	5 42	10 9	♌ 11	Regulus sets 9 49	4 4	37 7	23 22	22
F	5 Demetrius	4 16	6 28	10 33	♌ 24	Antares so. 9 21	4 4	38 7	22 23	23
S	6 John Huss	4 59	7 11	11 0	♌ 7	♄ ♃ ♃ ♃ ♃ s. 8 34	4 4	38 7	22 24	24
27	7th Sunday after Trinity.			Luke 5.		Day's length 14 hours 44 minutes.				
S	7 Edelburga	5 43	7 55	11 29	♌ 19	♄ ♃ so. 1 22	5 4	38 7	22 25	25
M	8 Aquila	6 26	8 38	11 59	♌ 1	♄ Spi. s. 11 31	5 4	39 7	21 26	26
T	9 Zeno	7 10	9 22	morn.	♌ 13	♄ sets 8 15	5 4	39 7	21 27	27
W	10 Israhel	7 56	10 8	12 34	♌ 24	♄ in apo.	5 4	40 7	20 28	28
T	11 Pius	8 43	10 55	1 13	♌ 6	♄ ♃ rises 10 49	5 4	40 7	20 29	29
F	12 Henry	9 33	11 45	1 57	♌ 18	Wega south 11 4	5 4	41 7	19 30	30
S	13 Margaret	10 24	12 36	2 49	♌ 0	Dog days beg.	5 4	41 7	19 1	1
28	8th Sunday after Trinity.			Matthew 5.		Day's length 14 hours 36 minutes.				
S	14 Bonavent	11 13	1 18	3 44	♌ 12	♄ sets 7 44	6 4	42 7	18 2	2
M	15 Swithin	12 5	2 9	♄ sets	♌ 25	♄ 15th, ♄ ♃ ♄	6 4	43 7	17 3	3
T	16 Hilary	12 52	2 41	7 50	♌ 7	Orion rises 3 38	6 4	43 7	17 4	4
W	17 Alexius	1 49	3 28	8 21	♌ 20	Rigel rises 3 48	6 4	44 7	16 5	5
T	18 Valerianus	2 25	4 18	8 48	♌ 3	♄ sets 7 18	6 4	45 7	15 6	6
F	19 Rufina	3 12	5 0	9 19	♌ 16	♄ ♃ ♃ so. 12 30	6 4	46 7	14 7	7
S	20 Elijah	4 0	5 48	9 48	♌ 0	Altair so. 11 44	6 4	47 7	13 8	8
29	9th Sunday after Trinity.			Mark 8.		Day's length 14 hours 24 minutes.				
S	21 Praxedes	4 49	6 37	10 19	♌ 13	♄ ♃ ☉ sup. ♄ ♃ ♄	6 4	48 7	12 9	9
M	22 Mary Mag.	5 40	7 28	10 51	♌ 27	♄ 22d, ☉ en. ♄	6 4	48 7	12 10	10
T	23 Apollinaris	6 35	8 23	11 36	♌ 11	♄ ♃ ♃ ☉ infe.	6 4	49 7	11 11	11
W	24 Christiana	7 31	9 22	morn.	♌ 26	♄ ♃ Reg. s. 8 28	6 4	50 7	10 12	12
T	25 St. James	8 35	10 23	12 27	♌ 10	♄ south 12 4	6 4	51 7	9 13	13
F	26 St. Anne	9 36	11 24	1 25	♌ 25	♄ in per. ♄ ♃ ☉	6 4	52 7	8 14	14
S	27 Martha	10 34	12 22	2 20	♌ 9	♄ rises 4 35	6 4	52 7	8 15	15
30	10th Sunday after Trinity.			Matthew 7.		Day's length 14 hours 14 minutes.				
S	28 Pantaleon	11 33	1 10	3 37	♌ 23	♄ ♃ ♃ ♃ ♃ ♄	6 4	53 7	7 16	16
M	29 Beatrix	morn.	1 58	♄ rises	♌ 8	♄ 29, ♄ ri. 9 38	6 4	54 7	6 17	17
T	30 Upton	12 27	2 39	7 34	♌ 22	Aldebar. ri. 12 52	6 4	55 7	5 18	18
W	31 Germanus	1 17	3 29	8 5	♌ 6	♄ rises 4 11	6 4	56 7	4 19	19

♄ Venus is the 23d in its inferior conjunction with the Sun, this being the reason its apparent retrograde motion appears so quick.

MOON'S PHASES.

Last quarter the 7th, at 5 o'clock 43 minutes, morning.

New moon the 15th, at 9 o'clock 16 minutes, morning.

First quarter the 22nd, at 4 o'clock 5 minutes, afternoon.

Full moon the 29th, at 9 o'clock 26 minutes, morning.

CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, cloudy; 4th, 5th, 6th, fair; 7th, 8th, 9th, variable; 10th, 11th, clear; 12th, 13th, very warm; 14th, 15th, heavy rain; 16th, 17th, 18th, fair; 19th, cloudy; 20th, 21st, thunder showers; 22nd, 23d, 24th, cloudy; 25th, 26th, fair; 27th, 28th, warm; 29th, 30th, cloudy, rainy; 31st, fair.

MAKING THE CENSUS.—SCENE IN ALABAMA.

BY H. HOOPER, ESQ.

We rode up one day to the residence of a widow rather past the prime of life—(just that period at which nature supplies more abundantly the oil which lubricates the hinges of the female tongue)—and hitching to the fence, walked into the house.

"Good morning, madam," said we in our usual bland, and somewhat insinuating manner.

"Merain!" said the widow gruffly.

Drawing our blanks from their case, we proceeded—"I am a free man, madam, that takes the census, and——"

"The mischief you art!" said the old tergiteant. "Yes, I've earn of you; Parson W. told me you was coming, and I told im jist what I tell you, that if you said 'cloth,' 'soup,' 'ar' 'hickens,' to me, I'd set the dogs on ye.—Here, Bull! here, 'omp!"—Two wolfish curs responded to the call for Bull; and 'omp, by coming to the door, smelling at our feet with a light growl, and then laid down on the steps. "Now," continued the old she savage, "them's the severest dogs in U. S. country. Last week Bill Stonecker's two year old steer rimped my yard fence, and Bull and Pomp tuk him by the throat, and they killed him afore my boys could break 'em loose, to save the world."

"Yer, ma'am," said we, meekly; "Bull and Pomp seem to be very fine dogs."

"You may well say that: what I tell them to do they do—and if I was to sick them on your old horse yonder, they'd hit him up afore you could say Jack Robinson. And its jist that I shall do, if you try to pry into my consarns. They're none of your business, nor Van Buren's nother, I reckon 'th, old Van Buren! I wish I had you here, you old rascal 'd show you what—I'd—I'd make Bull and Pomp show you ow to be sendin' out men to take down what little stuff people's got, jist to tax it, when its taxed enough a ready!"

All this time we were perspiring through fear of the fierce guardians of the old widow's portal. At length, when the widow paused, we remarked that as she was determined not

to answer questions about the produce of the farm, we would jist set down the age, sex, and complexion of each member of her family.

"No such a 'thing—you'll do no sich a 'thing," said sher "I've got five in family, and that's all you'll git from me. Old Van Buren must have a heap to do; the drotted old villyan, to send you to take down how old my children is. I've got five in family, and they are all between five and a hundred years old, they are all a plaguy sight whiter than you, and whether they are *he* or *she*, is none of your consarns."

We told her we should report her to the Marshal, and she would be fined, but it only augmented her wrath.

"Yer! send your Marshal, for your Mr. Van Buren here, if you're had off to—let 'em come—let Me. Van Buren come, (looking as savage as a Bengal tiger.) Oh, I wish he would come," and her nostrils dilated, and her eyes gleamed, "I'd cut his head off!"

"That might kill him," we ventured to remark, by way of a joke.

"Kill him! kill him—Oh, if I had him here by the years I reckon I would kill him. A pretty fellow to be cutting his vitals out a gold spoon that poor people's taxed for, and raised an army to get him made king of Ameriky—the audacious, nasty, stinkin' old scamp!" She paused a moment; and then resumed, "And now, jist put down what I tell you on that paper, and don't be telling no lies to send to Washing-ton city. Jist put down 'Judy Tompkins, aggrable woman, and four children.'"

We objected to making any such entry, but the old hag vowed that it should be done, to prevent any misrepresentation of her case. We however were pretty resolute, until she appealed to the court-bait whelps, Bull and Pomp. At the first glimpse of their teeth our courage gave way, and we made the entry in a bold hand across a blank schedule—"Judy Tompkins, *aggrable* woman, and four children."

We now begged the old lady to dismiss her canine friends; that we might go out and depart; and forthwith mounting an old black, we determined to give the old soul a parting fire. Turning half round in order to face her, we shouted—

"Old 'oman!"

"Who told you to call me Old 'oman, you long-legged, witchet-faced whelp, you? I'll make the dogs take you off that horse if you give me any more paise. What do you want!"

"Do you want to get married!"

"Not to you, if I do!"

W. d. s.	Remarkable Days.	Moon		High Water at Philad.	Moon's Rising & Setting.	Moon's place at noon.	Aspects of Planets and other Miscellaneous matter.	Sun				Old Stil.	
		South.	m.					Rises.	Sets.	h.	m.		h.	m.
	1 Lammas d.	2	5	4	17	8 32	♄ 19 ♀ rises 4 5	6	4	57	7	3	20
	2 Stephen	2	51	5	3	9 0	♄ 2 ♀ 2 ♀ ri. 9 20	6	4	58	7	2	21
	3 Augustus	3	35	5	47	9 31	♄ 14 ♀ HI	6	4	59	7	1	22
	9th Sunday after Trinity.	Luke 16.					Day's length 14 hours.						
	4 Dominick	4	21	6	33	9 59	♄ 26 ♀ ♀ ①	6	5	07	7	0	23
	5 Oswald	5	4	7	16	10 33	♄ 9 ♀ ② 5th, ♀ ri 3 42	6	5	16	59	24	
	6 An. of Christ	5	50	8	2	11 10	♄ 21 ♀ ③ Alta. s 10 37	6	5	26	58	25	
	7 Godfrey	6	37	8	49	11 55	♄ 2 ♀ in apogee ④	5	5	36	57	26	
	8 Emily	7	28	9	40	morn.	♄ 14 ♀ Spica sets 9 28	5	5	46	56	27	
	9 Ericus	8	16	10	28	12 41	♄ 26 ♀ rises 3 22	5	5	66	54	28	
	10 St. Law.	9	6	11	18	1 35	♄ 8 ♀ so. 10 58 ☾	5	5	76	53	29	
	10th Sunday after Trinity.	Luke 19.					Day's length 13 hours 14 minutes.						
	11 Titus	9	56	12	8	2 32	♄ 20 ♀ ♀ ④ ♀ ri. 3 14	5	5	86	52	30	
	12 Clara	10	45	12	50	3 32	♄ 3 ♀ ♀ ⑤	5	5	96	51	31	
	13 Hildebert	11	34	1	31	♄ sets	♄ 16 ♀ ⑥ 13th, ♀ ♀ ①	5	5	106	50	1	
	14 Eusebia	12	23	2	11	6 54	♄ 29 ♀ ♀ ⑦ ♀ rises 8 31	4	5	116	49	2	
	15 Ass. V. M.	1	10	2	58	7 24	♄ 13 ♀ ♀ ⑧ ♀ sets 7 48	4	5	126	48	3	
	16 Rochus	1	58	3	46	7 53	♄ 27 ♀ Sirius rises 3 52	4	5	146	46	4	
	17 Bertram	2	48	4	36	8 25	♄ 10 ♀ ♀ ⑨ Al so. 9 56	4	5	156	45	5	
	17th Sunday after Trinity.	Luke 18.					Day's length 13 hours 28 minutes.						
	18 Agapetus	3	39	5	27	8 59	♄ 24 ♀ Spica sets 8 50	4	5	166	44	6	
	19 Sebaldus	4	34	6	22	9 39	♄ 8 ♀ Rigel rises 1 40	3	5	176	43	7	
	20 Bernard	5	31	7	19	10 26	♄ 22 ♀ ⑩ 20, ♀ ri. 2 41	3	5	186	42	8	
	21 Rebecca	6	29	8	17	11 19	♄ 7 ♀ ♀ ⑪ ♀ in per. ⑫	3	5	196	41	9	
	22 Philibert	7	30	9	18	morn.	♄ 21 ♀ Orion rises 1 15	3	5	206	40	10	
	23 Zaccheus	8	31	10	19	12 21	♄ 5 ♀ ⑬ ent. ⑭ ☾	2	5	216	39	11	
	24 St. Barthol.	9	28	11	16	1 31	♄ 19 ♀ Wega south 8 18	2	5	236	37	12	
	24th Sunday after Trinity.	Mark 7.					Day's length 13 hours 13 minutes.						
	25 Ludovicus	10	26	12	14	2 41	♄ 3 ♀ ♀ ⑮ ♀ ♀ ⑯	2	5	246	36	13	
	26 Samuel	11	17	12	56	3 54	♄ 17 ♀ ♀ rises 2 27	2	5	256	35	14	
	27 Gebhard	morn.	1	38	♄ rises	0	♄ 0 ♀ ⑰ 27, dog d end	1	5	276	33	15	
	28 Augustin	12	8	2	20	6 43	♄ 14 ♀ ⑱ great. bril.	1	5	286	32	16	
	29 John's beh.	12	53	3	5	7 8	♄ 27 ♀ ♀ rises 7 37	1	5	296	31	17	
	30 Benjamin	1	36	3	48	7 34	♄ 10 ♀ Arctur. sets 7 47	0	5	306	30	18	
	31 Paulina	2	18	4	30	8 5	♄ 22 ♀ ♀ sets 7 13	0	5	316	29	19	

♄ Mars is in the 4th in conjunction above with the Sun, therefore he cannot be seen this month.

MOON'S PHASES.

Last quarter the 5th, at 10 o'clock 31 minutes, evening.

New Moon 13th, at 9 o'clock 35 minutes, evening.

First quarter the 20th, at 9 o'clock 17 minutes, evening.

Full moon the 27th, at 7 o'clock 34 minutes, evening.

CONJECTURE OF THE WEATHER.

The 1st, 2nd, clear; 3d, 4th, showers; 5th, 6th, 7th, fair; 8th, 9th, warm; 10th, thunder showers; 11th, cloudy; 12th, 13th, variable; 14th, 15th, windy; 16th, warm; 17th, thunder showers; 18th, 19th, cloudy; 20th, rain; 21st, 22nd, 23d, fair; 24th, cloudy; 25th, 26th, rain; 27th, 28th, 29th, variable; 30th, 31st, thunder showers.

Placing our right thumb on the nasal extremity of our countenance, we said, "You needn't be uneasy, old 'un, on that score—though you might suit sore-legged Dick 8—our way, and should like to know what to tell him he might count on if he come down next Sunday!"

"Here, Bull!" shouted the widow, "sick him, Pomp!" but we cantered off, unwounded, fortunately, by the fangs of Bull and Pomp, who kept up the chase as long as they could hear the cheering voice of their mistress—"S-i-c-k, Pomp—sick, sick, s-i-c-k him, Bull—suboy! suboy! suboy!"

Curiosities of Shrewsbury.—A friend who has been rusticated at Red Bank, (says the Journal of Commerce,) and is fond of the curious in nature, relates the following—He noticed a chanticleer watching affectionately over an apparently motherless flock of chickens. He enquired into the mystery, and was told that the hen had been accidentally killed in the presence of the cock; when instantly the cock assumed the responsibility of providing for the brood, commenced imitating the cluck of the hen as well as he could, left off crowing, and has ever since watched over the family with the most affectionate care.

One of the villagers keeps a cow which runs at large. He also has a dog, which, without any training, has taken a fancy to be cow-boy, goes off with the cow, in the morning, keeps her company all day, and returns with her at night.

But rather the most difficult story for faith to receive, is one about geese. One of the inhabitants last year, went out on a stormy night to drive his geese into the barn for shelter. He found them in the orchard, and housed them as he intended. In the morning, to his great astonishment, his flock was composed of wild geese, which having become exhausted by flying in the storm, had alighted down, and so were taken in the manner described. They still remain, having become thoroughly domesticated. What

perhaps is most wonderful of all is, that the tame geese went wild, or at any rate went off, and the owner has not heard from them since. If any one doubts any part of the statements of our friend, we dare say he may be convinced by a visit to Red Bank, which will be, withal, a very pleasant trip.

Complimental.—An old clergyman, and rather an eccentric one withal, whose field of labor was a town in the interior of New England, one Sunday, at the close of his services, gave notice to his congregation that in the course of the week he expected to go on a mission to the heathen. The members of his church were struck with alarm and sorrow at the sudden and unexpected announcement of the loss of their beloved pastor, and one of the deacons in great agitation exclaimed—

"Why, my dear sir, you have never told us one word of this before! What shall we do?"

"Oh, brother C——," said the parson with the greatest sang froid, "I don't expect to go out of town."

Love.—The genius of love comes into life before that of art. There are men who perform noble deeds, others who sing and immortalize their actions. Without the deep, powerful love, which causes relations and friends to act and to suffer for each other, without actions which show that 'love is stronger than death,' pencil and chisel would not have created those master-pieces, song would have brought tears to no eyes, and music would have been but a plaything. It is the inspiring glance of love which gives words of fire to the artist's lips—they can utter nothing beautiful which that has not first dictated."

An Irish Highwayman.—Casey, sir, was a Loughrea boy, and at one time was the scourge of the Dublin road. He owed his education to the famous Freney, and following his master's example, eased many a country gentleman of his purse before he could say Jack Robinson. But to make a long story short, one fine moonlight night, Casey and his men were waiting for the Galway mail, when they perceived a venerable family coach rolling toward them. "Now stand back, boys," said Casey, "and see how soon I'll relieve these tea-drinking quality of their finery!"—and, without so much as a walking stick in his hand, Casey stepped out and stopped the horses.



CONJECTURE OF THE WEATHER.

The 1st, rain; 2d, 3d, variable; 4th, 5th, 6th, sultry; 7th, 8th, thunder; 9th, 10th, rain; 11th, 12th, fair; 13th, thunder; 14th, boisterous; 15th, 16th, cloudy, rainy; 17th, 18th, 19th, fair; 20th, cloudy; 21st, 22nd, rain; 23d, 24th, 25th, fair; 26th, 27th, variable; 28th, 29th, 30th, fair.

"Who are you, sir?" said the fat old coachman, pulling himself up in great indignation.

"One Casey, at your service," said the Broth of Loughrea. "Oh! Mr. Casey, I beg my life," said the coachman, pulling up the horses at once.

"What's the matter?" screamed a shrill voice from the body of the coach.

"I'll trouble your ladyship to hand me out your purse, ear rings, and jewelry," said Casey, stepping politely to the coach window.

"What do you want, then?" screamed the old dame, with an, clapping a bell-mouthed brass concern before Casey's face. Never was man more confused and confounded—not a word was left in his head.

"How dare you stop my carriage?" said the old girl, taking aim at the robber's face.

"I ask your ladyship's pardon," said Casey; "it was all through mistake; remove your arms, madam, if you please, and drive on."

"I ought to arrest you," said the lady.

"I throw myself on your mercy," said Casey, falling upon his knees in the mire.

"Drive on," said the stout old lady; and the coachman soon made the nags step out, and left Casey kneeling in the middle of the road.

"You did that well," said one of the boys to Casey, when he came back.

"Where's all the rings and purse?" said another.

"The women are growing soldiers in these parts," said Casey; "the old hag was within an ace of blowing my brains out with a blind brass."

"How did you know it was charged?" said one of the boys.

"Charge or no charge, it was dangerous," said Casey; and then the boys threw up their hats, laughed at him, and told him it was only Mrs. Captain Malone, the bothered dowager.

"It had the truth," says Casey, "I must quit this line of road; for my name will be no longer respected when it is known that the Broth of Loughrea surrendered to an old woman's beating trumpet."

MOON'S PHASES.

Last quarter the 4th, at 4 o'clock 48 minutes, afternoon.

New moon the 12th, at 8 o'clock 19' minutes, morning.

First quarter the 19th, at 2 o'clock 57 minutes, morning.

Full moon the 26th, at 8 o'clock 29 minutes, morning.

Rusticating.—A correspondent of the New Orleans Picayune, writing from some unheard of place in Missouri, enlightens the newspaper-reading public touching one of the modes in which loafers pick up a living. He says:—

About two months since there strayed to this village, from parts unknown, a "Customer," who immediately attracted the attention of our order-loving, peace-preserving gentry. He was evidently of the "Dicky-Dont" class, but what rendered him particularly the object of attention was a head from one half of which all umbrageousness was shorn, while the other half boasted a fleece of some six inches in length, fiery red, and wiry as the moustache of a grizzly bear. When we add to this peculiarity a coat partaking somewhat of the characteristics of a certain many-coloured garment we read of in scripture, we need scarcely wonder that the gentleman was soon lit upon as an escaped "jail bird," one perhaps who had flown from the strong cage at Jefferson City. He was soon, consequently arrested, and as his answers were anything but satisfactory, he was accommodated with quarters in our county jail. The keeper of the State Penitentiary was immediately written to, but his reply threw no light upon "the subject;" moreover the wrong side of his head was shaved, and he could not possibly belong to that establishment. Letters were next addressed to the keepers of other penitentiaries in the neighboring States, but with like success. What was to be done? The only alternative now seemed a writ of *habeas corpus*, and a subsequent inquisition for vagrancy. Accordingly "hopeful" was brought forth, and the following dialogue ensued between himself and "his honor," previous to farther proceedings.

Justice.—"What is your name, sirrah?"

Prisoner.—"Puddin', sir!"

J.—"Puddin'?"—That is a strange name. Is that all?"

P.—"No—they sometimes calls me Puddin' and Tamin'."

J.—"Stranger still! Well, what is your employment—how do you obtain a living?"

P.—"A-hivin'! Oh, that's easy; sometimes by doing things long shore; sometimes by rusticatin'. I'm rusticatin' now—though I commonly do that in Winter, except when I go South."

J.—"Rusticating! What do you mean by that? Explain yourself."

P.—"Why, rusticatin' is comin' the thing over the water—snakin' the green 'uns—goin' into retracy, as the newspapers say."

J.—"Come, come, Mr. What do ye call um, yett must be

	Remarkable Days.	Moon South. h. m.	High Water at Philad. h. m.	Moon's Rising & Setting. h. m.	Moon's place at noon.	Aspects of Planets and other Miscellaneous matter.	Hr. Ta ble.	Sun Rises. h. m.	Sets. h. m.	Old St. Sep
T	1 Remigius	3 28	5 40	8 43	♄ 6	♃ in apo. ♄ s. 11 20	10 6	11 5	49 19	
W	2 C. Columbus	4 17	6 29	9 32	♄ 18	♃ ♄ gr. elong W.	11 6	13 5	47 20	
T	3 Jairus	5 6	7 18	10 27	♄ 0	♃ ♄ ri. 2 24	11 6	14 5	46 21	
F	4 Franciscus	5 55	8 7	11 23	♄ 12	♃ ♄ 4th, ♄ so. 7 29	11 6	15 5	45 22	
S	5 Placidus	6 44	8 56	morn.	♄ 21	♃ ♄ eye rises 8 45	12 6	17 5	43 23	
40] 18th Sunday after Trinity.		Matthew 22.				Day's length 11 hours 24 minutes.				
S	6 Fides	7 32	9 44	12 22	♄ 6	♃ Sirius ri. 12 47	12 6	18 5	42 24	
M	7 Amelia	8 18	10 30	1 23	♄ 19	♃ Opion ri. 10 30	12 6	19 5	41 25	
T	8 Pelagius	9 8	11 20	2 29	♄ 2	♃ ♄ ♄ ♄ ri. 2 31	13 6	20 5	40 26	
W	9 St. Denys	9 58	12 10	3 37	♄ 16	♃ ♄ rises 4 55	13 6	22 5	38 27	
T	10 Gercon	10 50	12 56	4 48	♄ 0	♃ ♄ ♄ ♄	13 6	23 5	37 28	
F	11 Burkhart	11 45	1 42	sets	♄ 14	♃ ♄ ♄ ♄ ri. 4 54	13 6	24 5	36 29	
S	12 Veritas	12 40	2 28	5 58	♄ 29	♃ ♄ Ant. s. 7 31	14 6	26 5	34 30	
41] 19th Sunday after Trinity.		Matthew 9.				Day's length 11 hours 6 minutes.				
S	13 Coloman	1 36	3 24	6 40	♄ 14	♃ ♄ in per. ♄ gr. el. W	14 6	27 5	33 1	
M	14 Fortunata	2 34	4 22	7 29	♄ 29	♃ ♄ rises 2 38	14 6	28 5	32 2	
T	15 Hedwick	3 34	5 22	8 26	♄ 14	♃ ♄ ♄ rises 4 56	14 6	29 5	31 3	
W	16 Gallus	4 35	6 23	9 31	♄ 28	♃ ♄ south 10 19	14 6	31 5	29 4	
T	17 Florentina.	5 34	7 22	10 39	♄ 12	♃ ♄ ♄ so. 6 42	15 6	32 5	28 5	
F	18 S. Luke Ev.	6 29	8 17	11 47	♄ 26	♃ ♄ 18th, ♄ ♄ ♄	15 6	33 5	27 6	
S	19 Ptolomy	7 20	9 8	morn.	♄ 10	♃ ♄ Orion rises 9 45	15 6	35 5	25 7	
42] 20th Sunday after Trinity.		Matthew 22.				Day's length 10 hours 48 minutes.				
S	20 Felicianus	8 9	9 57	12 53	♄ 23	♃ ♄ Altair south 6 2	15 6	36 5	24 8	
M	21 Ursula	8 54	10 42	1 59	♄ 6	♃ ♄ Antares sets 6 58	15 6	37 5	23 9	
T	22 Cordula	9 39	11 27	3 1	♄ 19	♃ ♄ rises 2 50	15 6	39 5	21 10	
W	23 Severinus	10 24	12 12	4 2	♄ 2	♃ ♄ ♄ ♄ en	16 6	40 5	20 11	
T	24 Salome	11 9	12 53	5 4	♄ 15	♃ ♄ ♄ ♄	16 6	41 5	19 12	
F	25 Crispin	11 54	1 33	6 3	♄ 27	♃ ♄ ♄ sets 10 59	16 6	42 5	18 13	
S	26 Amandus	morn.	2 13	rises	♄ 9	♃ ♄ 26th.	16 6	44 5	16 14	
43] 21st Sunday after Trinity.		John 4.				Day's length 10 hours 30 minutes.				
S	27 Sabina	12 41	2 53	6 5	♄ 21	♃ ♄ Sirius rises 11 29	16 6	45 5	15 15	
M	28 Simon Jud.	1 28	3 40	6 46	♄ 3	♃ ♄ eye ri. 7 19	16 6	46 5	14 16	
T	29 Zwinglius	2 16	4 28	7 32	♄ 15	♃ ♄ in apo. ♄ ri. 3 2	16 6	47 5	13 17	
W	30 Serapion	3 4	5 16	8 25	♄ 26	♃ ♄ Orion rises 9 3	16 6	48 5	12 18	
T	31 Wolfgang	3 54	6 6	9 19	♄ 8	♃ ♄ Wega s. 12 54	16 6	50 5	10 19	



CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, fair; 4th, 5th, cloudy; 6th, rain; 7th, 8th, 9th, fair; 10 h, cloudy; 11th, fair; 12th, cloudy; 13th, 14th, variable; 15th, 16th, 17th, moderate; 18th, 19th, cloudy; 20th, 21st, 22nd variable; 23d, 24th, 25th, fair; 26th, cloudy; 27th, 28th, 29th, fair; 30th, 31st, pleasant.

more explicit; speak in plain English, or I will at once commit you as a vagrant."

P.—"Just as you please, judge.—I'm not at all tired of rusticatin' yet, as the yellor fever aint over down South, I s'pect; and this here's a werry agreeable place, 'specially as you gives us coffee."

J.—"Then you are pleased with your situation?"

P.—"Werry much, I assure you; and as you're a clever sort of a covy, considerin', I'll tell you all about it—'ceptin' the 'long-shore business, which belongs to the craft, and I wont dewolge—no, I'm a man of honor! But, as I was sayin', the rusticatin' business is mine—that's my own business, and I hope you wont 'stall me, as nobody knows that branch of the profession but me, and I don't want to let it out yet."

J.—"Proceed, I am all attention."

P.—"Well, you see, when I gets tired of the 'long-shore business, which for certain reasons, gits sometimes unpleasant, I jist cuts off this here hair, this fashion, and turns this here coat, sorter like the pollytishun's does, one half ways, and then people thinks I's a convict, and gives me quarters, till they finds out they've been come it over, like you has; then they gives me a kick, and sets me loose agin, as I s'pect you will. I can a'most always select the country for my operations, as they haunt got no tread-mills, and gives good prowishions; that's the reason I culls it rusticatin'."

It need scarcely be added that Mr. Puddin' and Tame' received notice to quit.

In Flanders, a filer fell from the top of a house upon a Spaniard, and killed him, without injury to himself. Upon the issue of a trial, commenced by the next of blood to the deceased, the judge decided that the complainant should go to the top of the same house and fall upon the filer.

One asked his friend why he, being himself so stout, had married so small a wife. "Why, friend," said he, "I thought that you had known that of all evils we should choose the least."

Great Western.—C.

MOON'S PHASES.

Last quarter the 4th, at 11 o'clock 40 minutes, forenoon.

New moon the 11th, at 6 o'clock 36 minutes, evening.

First quarter the 18th, at 10 o'clock 30 minutes, forenoon.

Full moon the 26th, at 12 o'clock 20 minutes, morning.

THE MALCONTENT.

Corporal Ploquet, of the 61st regiment of the line, was without question the most original of the "Grand Armeé." It was on his account that the old soldiers suffered the epithet of "groggnards," which Napoleon gave them at Elba. Ploquet was an excellent comrade and a brave soldier, having no other fault than that of being always discontented. He was ever complaining, in all places and on all occasions. During the four years that I was his companion and his bed-fellow, I never heard a word of approbation from his lips, or saw his countenance express the least sign of satisfaction. When in garrison, he complained of repose; in campaign, of fatigue; when his knapsack was well filled he found it too heavy; when it was empty he complained that he could not fill it; all of which caused his comrades to say of him, that "in a regiment of malcontents, Ploquet would infallibly become colonel."—Every body laughed at him—the officers even, who pardoned the whims of Ploquet because of his good conduct, his courage in every trial, and the many other good qualities which he possessed.

It was in the campaign of Russia that this monomania of the corporal most strikingly developed itself. Those long marches across a desolate country furnished him an inexhaustible theme for complainings.

"For what now," said he, "do we continue to bear our bones about the world? I would like to know what we have to do with a country of savages, where one may march an hundred leagues without finding even a potato! If one might occasionally refresh himself with the report of cannon, as among civilized nations, it might be endured; but no, we have not the chance to burn a single cartridge, and I am bearing about five bunches!"

He insisted particularly on this point; those cartridges which he feared never burning were a weight insupportable.

But the two nations could no longer delay the conflict. The Russians, wearied of flight, turned to face their foe.

Two days before the battle of Moscow, at sun rise, the general's orders were given along the lines. The Colonel of the 61st went through the ranks of his regiment, and addressed the soldiers: "Children!" said he, "the Emperor has bestowed upon us the glorious task of razing one of the redoubts which the enemy has constructed to arrest the march of the army. Vive l'Empereur, et an event!"—This exclamation was shouted back by the electrified host. Ploquet alone returned it not. I heard him only mutter:



CONJECTURE OF THE WEATHER.

The 1st, 2nd, 3d, fine, mild; 4th, cloudy; 5th, 6th, rain; 7th, 8th, cold; 9th, 10th, moderate, cloudy; 11th, 12th, 13th, cloudy, rainy; 14th, 15th, 16th, variable; 17th, cloudy, rainy; 18th, 19th, 20th, fine weather; 21st, 22nd, variable; 23d, 24th, 25th, cloudy; 26th, 27th, 28th, clear; 29th, 30th, 31st, mild, fair.

MOON'S PHASES.

Last quarter the 2nd, at 9 o'clock 17 minutes, evening.

New moon the 9th, at 3 o'clock 19 minutes, afternoon.

First quarter the 16th, at 10 o'clock 24 minutes, forenoon.

Full moon the 24th, at 2 o'clock 28 minutes, afternoon.

way, the emperor appeared in the door of his tent, and beckoning Ploquet, whom he easily distinguished by his head dress, which was an oaten sack surmounted by a bloody handkerchief, ordered him to approach. Ploquet obeyed, without the least sign of satisfaction.

"Ploquet," said the Emperor, "I know that yesterday you were the first to enter the redoubt; you are a brave soldier, and I am satisfied."

"Faith, my Emperor, it is fortunate for me that you are so, for there are but devilish few who are."

A look of the Emperor silenced the murmur caused by this impertinent response, and Napoleon replied:

"Well! let us see; what do you wish? is it promotion that you desire?"

"Oh! have mercy, my Emperor, I want no more of that; it is enough for me to have the care of a corporal's guard."

"Is it the cross you need? Take this, that we may continue good friends."

And detaching his cross, Napoleon, with the general acclamation, presented it to Ploquet, who took it with one hand, while with the other he returned a military salute. He quietly attached it to one of the button holes of his coat without expressing the least emotion; while of all the spectators of that scene, Napoleon not excepted, Ploquet only remained unmoved, and the Emperor, withdrawing into his tent, could scarcely avoid saying, "There is a grumbler whom it is very difficult to satisfy."

A few days after appeared the famous proclamation, commencing with these words—"Soldiers, behold the battle you have so much desired!"

"Desired?" murmured Ploquet; "Desired—a fight with an empty belly!"

"You can avoid being in it, corporal," said I; "go to the hospital."

"What should I do at the hospital?"

"You will be sheltered from the cannon."

"But I do not want to be there; I sheltered! It is amusing, is it not, to hear and see nothing? I want the sport of being there."

He failed, however, to take a part in it, for during the night his wound caused him much suffering, and at day break the Major declared to him that the least agitation would threaten a gangrene; so in spite of himself, Ploquet remained inactive during this great day.

It is well known with what facility Napoleon recognised faces he had once seen, and how well he retained names. During the retreat, a little beyond Smolensk, the Emperor, while reviewing the regiment which marched with the guards, discovered the old corporal.

"My poor Ploquet," said he, "now is the time to be disconcerted."

"Faith, my Emperor, I think you ought to be less so than we."

"I should be, my brave fellow, if I were always sure of having a hundred thousand men like you."

We had passed Beresina. Ploquet and I had gained more than two thirds of the distance over the stream, when borne down by the crowd which rushed upon us, we were precipitated into the river. The corporal being an excellent swimmer, passed his left hand under my chin, swam with his right, and in spite of the immense cakes of floating ice, which threatened every instant to cut us in two, we arrived first on the opposite shore, which was already planted with Russian cannon. I wished to retreat—Ploquet assured me that if we stopped we would perish with the intense cold, and immediately commenced running, I following behind. He had hardly taken a hundred steps when he fell with his face in the snow; a ball from the Russian cannon had struck him, and broken both his legs. I ran to his assistance.

"March!" said he.

"Corporal," I replied, "you have saved my life every hour, and I will not abandon you."

"March!" said he; "I am happier than you—in five minutes I shall be colder!"

This was the first time in his life, perhaps, that he seemed satisfied with his condition, and in a few minutes he—pressing to his lips the cross which the Emperor so recently gave him—expired.

After a consultation, several doctors decided that a dropical patient should be tapped. Upon hearing the decision, a son of the sick man approached him and exclaimed, "Father, don't submit to the operation, for there never was anything tapped in our house with a better name than a scabb."

Dunn's Dove

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THE

MORAL ALMANAC,

FOR THE YEAR

1844:

BEING BISSEXTILE, OR LEAP YEAR.



*Calculated for the Latitude and Meridian of Pennsylvania, N. Jersey,
and the Northern and Western States.*

25.9
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Dunn's
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PHILADELPHIA :

PUBLISHED BY THE TRACT ASSOCIATION OF FRIENDS,
AND TO BE HAD AT THEIR DEPOSITORY,
NO. 50, NORTH FOURTH STREET.

JOSEPH RAKESTRAW, PRINTER.

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NOTES TO THE READER.

1. The calculations of this Almanac are made to mean solar time chiefly—excepting the sun's declination, and rising and setting of the sun—which are calculated to apparent time, to which add the equation, when the clock is fast, and subtract when slow, for mean or clock time.

2. The sun's declination is given for every noon.

3. The rising, setting, or southing of a star, may be carried several days backward, by adding, or forward, by subtracting four minutes per day.

ASTRONOMICAL CHARACTERS EXPLAINED.

● New Moon,	○ Full Moon,	♈ Aries.	♉ Taurus.
☾ First, ☽ Quarter or Moon		♊ Gemini.	♋ Cancer.
☾ Last ☽ in general		♌ Leo.	♍ Virgo.
♊ Moon's Ascending Node,		♎ Libra.	♏ Scorpio.
☉ Sun	♄ Saturn.	♐ Sagittarius.	♑ Capricornus.
♃ Jupiter,	♂ Mars,	♒ Aquarius.	♐ Pisces.
♀ Venus,	☿ Mercury,	♋ Conjunction.	♌ Opposition.
♁ Georgian, or Herschell.		♍ Trine.	♎ Quartile. * Sextile.

COMMON NOTES, FOR 1844.

Dominical Letters, G & F	Lunar Cycle, 2
Solar Cycle, 5	Epact, 11

ECLIPSES IN THE YEAR 1844.

The eclipses for this year will be three of the Sun and two of the Moon.

1st. A total eclipse of the Moon, on the 31st of the Fifth month, rising partly eclipsed.

	Beginning. Middle. End.			Size of eclipse.
	h. m.	h. m.	h. m.	
Boston,	5 24.7	6 5.9	7 47.1	1.327 on the northern limb.
Philadelphia,	4 8.3	5 49.5	7 30.7	
Cincinnati,	3 31.5	5 12.7	6 53.9	

2nd. A partial eclipse of the Sun, Sixth month 15th, invisible here. This eclipse will be visible in the South Pacific Ocean.

3rd. A partial eclipse of the Sun, Eleventh month 9th. This eclipse will only be visible in a small part of the Great Southern Ocean.

4th. A total eclipse of the Moon, Eleventh month 24th. The Moon will rise partly eclipsed,

	Beginning.	Middle.	End.	Magnitude.
	h. m.	h. m.	h. m.	
Boston,	5 5.3	7 0.2	8 55.1	1.435 on the south-
Philadelphia,	4 48.9	6 41.8	8 38.7	ern limb.
Cincinnati,	4 12.1	6 7.0	8 1.9	

5th. A partial eclipse of the Sun, Twelfth month 9th, visible as follows.

	Beginning.	Great. obscura'n.	End.	Magnitude.
	h. m.	h. m.	h. m.	
Boston,	3 42	4 17	4 52	0.193
Philadelphia,	3 25	4 0	4 34	0.184
Cincinnati,	2 33	3 17	3 58	0.267

*Times of holding the YEARLY MEETINGS OF FRIENDS
on the Continent of America.*

The Yearly Meeting for Pennsylvania, New Jersey, Delaware, and the eastern parts of Maryland, is held at PHILADELPHIA, the third Second-day in the Fourth month.

The Yearly Meeting for the state of New York, and parts adjacent, is held in NEW YORK, on the Second-day after the fourth First-day in the Fifth month.

The Yearly Meeting of Rhode Island, for New England, begins with the meeting of ministers and elders at NEWPORT, on the Seventh-day following the second Sixth-day in the Sixth month. The meeting of discipline convenes the following Second-day.

Baltimore Yearly Meeting, which takes in the Western Shore of Maryland, and part of Virginia and Pennsylvania, is held at BALTIMORE, the last Second-day in the Tenth month.

Ohio Yearly Meeting, which takes in the western parts of Pennsylvania, is held at MOUNT-PLEASANT, on the Second-day following the first First-day in the Ninth month.

The Yearly Meeting for Virginia, is held alternately at SUMMERTON and CEDAR CREEK, the Second-day after the third Seventh-day in the Fifth month: at Summerton the present year, (1844.)

The Yearly Meeting for North and South Carolina, and Tennessee, is held at NEW GARDEN, the Second-day after the first First-day in the Eleventh month.

Indiana Yearly Meeting is held at WHITE WATER, the Fifth-day preceding the first First-day in the Tenth month.



The Yearly Meeting of London, is held on the Fourth-day following the third First-day in the Fifth month.

Dublin Yearly Meeting, is held on the Second-day following the last First-day in the Fourth month.



*Times of holding the QUARTERLY MEETINGS OF FRIENDS
of Philadelphia Yearly Meeting.*

Philadelphia Quarterly Meeting is held at the meeting-house on Mulberry Street, Philadelphia, on the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Abington Quarterly Meeting is held at Germantown, on the Fifth-day following the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Bucks Quarterly Meeting is held the last Fifth-day in the 2nd, 5th, 8th, and 11th months;—in the 2nd month at Buckingham; in the 5th and 11th at Falsington, and in the 8th at Middletown.

Concord Quarterly Meeting is held at Concord, on the Third-day following the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Caln Quarterly Meeting is held at East Caln, 3 miles west of Downingtown, on the Sixth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Western Quarterly Meeting is held at London Grove, old house, on the Sixth-day after the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Burlington Quarterly Meeting is held at Burlington, on the Third-day after the last Second-day in the 2nd, 5th, 8th, and 11th months, at 10, A. M.

Haddonfield Quarterly Meeting is held at Haddonfield, on the Fifth-day following the second Second-day in the 3rd—at Evesham, in the 6th—at Upper Evesham, in the 9th—and at Chester, in the 12th month, at 10 o'clock.

Salem Quarterly Meeting is held on the Fifth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months—at Salem in the 5th and 11th months—at Woodbury in the 2nd and 8th months; at 10 o'clock, in the 5th and 8th months; at 11 o'clock, in the 2nd and 11th months.

Shrewsbury and Rahway Quarterly Meeting is held the Fifth-day after the second First-day in the 2nd, 5th, 8th, and 11th months—at Plainfield, in the 2nd and 8th, and at Shrewsbury in the 5th and 11th months—all at 11, A. M., except that at Plainfield, in the 8th month, which is at 10, A. M.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Full Moon,	5	0	33 A.	5	0	50 A.	5	11	57 M.
Last Quarter,	12	4	30 A.	12	4	47 A.	12	3	54 A.
New Moon,	19	1	17 A.	19	1	34 A.	19	0	41 A.
First Quarter,	27	7	30 M.	27	7	47 M.	27	6	54 M.

Phila. Penna. N. Jersey, Ohio and Indiana. Boston, N. England, N. York State, & Michigan.

D.M.	D	W	REMARKS.	Sun			Moon			High water, Phil'a.		Sun		Moon		High water, Bost'n		Sun's decl. South.			D		
				rises.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.	sets.		sets.	
				H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		H. M.	
1	2		Arie. s. 7h. 10m.	7	23	4	37	3	39	11	15	7	31	4	29	3	56	8	18	4	23	3	28
2	3		Sun in perigee.	23	37	4	42	0	5	31	29	4	49	9	8	4	22	58	4	22	58	Π	19
3	4		♀ sets 6h. 31m.	23	37	5	34	0	50	30	30	5	42	9	53	5	22	52	5	22	46	σ	14
4	5			22	38	6	24	1	30	30	30	6	30	10	33	6	22	40	6	22	40	14	14
5	6		♄ sets 9h. 58m.	22	38	rises	2	1	29	31	rises	11	4	6	22	35	27	6	22	35	27	19	
6	7		For. s. 8h. 1m.	21	39	6	5	2	33	29	31	5	58	11	36	6	22	26	6	22	26	27	19
7	G		♃ sets 8h. 11m.	21	39	7	12	3	9	28	32	7	7	0	12	6	22	18	7	22	18	24	24
8	2			20	40	8	18	3	44	28	32	8	16	0	47	7	22	10	7	22	10	24	24
9	3		♀ great. H. L. s.	20	40	9	27	4	20	27	33	9	26	1	23	8	22	1	8	22	1	21	21
10	4			19	41	10	36	4	58	26	34	10	36	2	1	8	21	52	8	21	52	21	21
11	5		Siri. s. 11h. 5m.	19	41	11	46	5	40	26	34	11	47	2	43	8	21	52	8	21	52	21	21
12	6		♀ sets 6h. 51m.	18	42	morn	6	30	25	35	morn	3	33	3	33	9	21	33	9	21	33	21	21
13	7		♄ great. clo. E	17	43	0	56	7	34	24	36	0	59	4	37	9	21	33	9	21	33	21	21
14	G		Arc. ri. 11h. 21	16	44	2	8	8	57	23	37	2	13	6	0	9	21	23	9	21	23	21	21
15	2		♃ in perigee	16	44	3	18	10	28	23	37	3	24	7	31	10	21	12	10	21	12	21	21
16	3		Pol. s. 11h. 43m	15	45	4	23	11	46	22	38	4	30	8	49	10	21	1	10	21	1	16	16
17	4			14	46	5	23	0	44	21	39	5	29	9	47	10	20	49	10	20	49	11	11
18	5			14	46	Sets	1	34	20	40	Sets	10	37	11	20	37	11	20	37	11	20	37	11
19	6		♃ ♂ ☉, ♃ ♂ ☽	13	47	5	18	2	19	19	41	5	12	11	22	11	20	25	11	20	25	28	28
20	7		Ale. s. 4h. 40m.	12	48	6	26	2	53	18	42	6	31	11	56	11	20	12	12	19	59	25	25
21	G		☉ enters ♋	11	49	7	31	3	4	18	42	7	28	0	7	12	19	46	12	19	46	21	21
22	2		♃ ♂ ☽	10	50	8	35	3	37	17	43	8	33	0	40	12	19	32	12	19	32	21	21
23	3			9	51	9	35	4	9	16	44	9	35	1	12	12	19	18	12	19	18	21	21
24	4		♃ ♂ ☽	8	52	10	35	4	43	15	45	10	36	1	46	12	19	18	12	19	18	21	21
25	5		♄ sets 9h. 54m.	7	53	11	34	5	21	14	46	11	39	2	24	13	19	3	13	19	3	15	15
26	6			6	54	morn	6	5	13	13	47	morn	3	8	13	18	48	13	18	48	27	27	
27	7		♃ in Apogee	5	55	0	34	6	59	11	49	0	33	4	2	13	18	33	13	18	33	27	27
28	G		♃ sets 7h. 13m.	4	56	1	31	8	4	10	50	1	37	5	7	13	18	18	13	18	18	21	21
29	2			3	57	2	28	9	24	9	51	2	34	6	27	13	18	2	13	18	2	Π	Π
30	3		♄ great. H. L. N.	2	58	3	23	10	37	8	52	3	30	7	40	14	17	55	14	17	55	15	15
31	4			1	59	4	15	11	39	7	53	4	22	8	42	14	17	29	14	17	29	27	27

O how different is the peace of God from that which the world can bestow! It calms the passions, preserves the purity of our conscience, and is inseparable from righteousness,—unites us with God, and fortifies us against temptations; and when temptations do not overcome us, they always yield good fruit.

B

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
Full Moon,	2	5	46	A.	2	6	3	A.	2	5	10	A.
Last Quarter,	10	4	15	A.	10	4	32	A.	10	3	39	A.
New Moon,	18	7	41	M.	18	7	58	M.	18	7	5	M.
First Quarter,	25	1	35	M.	25	1	52	M.	25	0	9	M.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉ ft.	Sun's decli. South	☾ pte		
			Sun rises	Sun sets.	Moon sets.	High water, Phila.	Sun rises	Sun sets.	Moon sets.	High water, Boston					
			U. M.	H. M.	H. M.	H. M.	U. M.	H. M.	H. M.	H. M.	M				
1	3	♀ rises 6h. 47m.	7	8	4 31	5 28	0 54	7	15	4 24	5 32	10 41	11	21 50	24
2	4	♂ stat'y, 4 ♂ ☽	9	31	Rises	1 38	16	23	Rises	11 22	11 22	10 22	0	□	
3	5	4 ♂ ☽	10	30	5 35	2 19	17	23	5 28	morn	10 22	8	20		
4	6	♂ rises 4h. 44m	11	30	6 29	2 57	18	23	6 22	0 0	10 22	16	16	☽	
5	7	♂ south 11h 41	12	30	7 26	3 34	19	23	7 20	0 37	9 22	24	16		
6	D	♂ in Ω	13	30	8 23	4 10	20	23	8 17	1 13	9 22	31	28		
7	2	♂ sets 9h. 58m.	13	30	9 19	4 49	21	23	9 15	1 52	8 22	58	28	☽	
8	3	♂ Arie. S. 8h. 47.	14	30	10 16	5 23	22	22	10 12	2 26	8 22	45	23		
9	4	♂ in apogee.	15	30	11 12	6 1	23	22	11 10	3 4	7 22	51	17	☽	
10	5	♀ in ♄	16	30	morn	6 49	24	22	morn	3 52	7 22	56	16		
11	6	♂ in perihelion.	17	30	0 8	7 41	25	22	0 7	4 44	6 23	2	28		
12	7	♂ *'s S. 10h. 11	18	30	1 5	8 45	26	22	1 7	5 48	6 23	6	28		
13	D	♀ rises 7h. 16m	18	30	2 3	9 56	26	23	2 4	6 59	6 23	10	22		
14	2	♂ rises 4h. 39m	19	31	3 1	11 3	27	23	3 5	8 6	5 23	14	22	☽	
15	3	♂ ☽ in sup. ♂	20	31	4 2	0 1	28	23	4 7	9 4	5 23	18	18		
16	4	♂ S. 10h. 52m.	21	31	5 3	0 51	29	23	5 8	9 54	4 23	21	14	☽	
17	5	♂ Aioth S. 7h. 2.	21	31	6 4	1 37	29	23	6 9	10 40	4 23	23	14		
18	6	♀ ♂ ☽	22	32	Sets	2 23	30	24	Sets	11 26	3 23	24	28		
19	7	Ald. S. 10h. 32.	22	32	6 17	3 2	31	24	6 10	0 5	3 23	26	17	☽	
20	D	♂ stationary.	23	33	7 24	3 42	31	25	7 18	0 45	2 23	27	27		
21	2	♂ in perigee.	23	33	8 34	4 25	32	25	8 30	1 28	2 23	27	27		
22	3	♂ ♂ ☽	24	34	9 43	5 7	32	26	9 40	2 10	1 23	27	26		
23	4	Cap. S. 10h. 55.	24	34	10 53	5 54	33	26	10 52	2 57	1 23	27	26	☽	
24	5	♂ south 1Ch. 16	25	35	morn	6 49	33	27	morn	3 52	fst	23	26	23	
25	6	♂ ♂ ☽	25	35	0 1	7 56	33	27	0 1	4 59	0 23	24	23	☽	
26	7	♂ rises. 4h. 33m.	26	36	1 9	9 14	34	28	1 10	6 17	1 23	22	23		
27	D	♂ sets 8h. 47m.	26	37	2 14	10 33	34	29	2 17	7 36	1 23	20	20	☽	
28	2	♂ Rigel S. 10h. 37	26	37	3 18	11 43	34	29	3 22	8 46	2 23	17	20		
29	3	4 ♂ ☽	27	38	4 21	morn	35	30	4 25	9 39	2 23	14	16	☽	
30	4	♂ S. 9h. 50m.	27	39	5 19	0 36	35	31	5 24	10 24	3 23	10	16		
31	5	♂ ☽ ☽	27	39	6 13	1 21	35	31	6 18	11 3	3 23	6	29		

“Let us hear the conclusion of the whole matter; fear God, and keep his commandments: for this is the whole duty of man. For God shall bring every work into judgment, with every secret thing, whether it be good, or whether it be evil.”

PROVIDENTIAL WARNING.

The following providential deliverance from imminent danger, is related by Captain Fanning, in the volume containing his "Voyages round the World." The incident occurred during a voyage in the Pacific, after seal-skin fur. He says:

"At nine o'clock in the evening, my customary hour for retiring, I had as usual repaired to my berth, enjoying perfect good health; but between the hours of nine and ten, found myself, without being sensible of any movement or exertion in getting there, on the upper steps of the companion-way. After exchanging a few words with the commanding officer, who was walking the deck, returned to my berth, thinking how strange it was, for I never before had walked in my sleep. Again I was occupying the same position, to the great surprise of the officer—not more so than to myself, after having slept some twenty minutes or the like. I was preparing to return to the cabin, after answering in the affirmative his inquiry, whether Captain Fanning was well. Why, or what it was, that had thus brought me twice to the companion-way, I was quite unable to tell; but lest there should be any portion of vigilance unobserved by those then in charge, I inquired of the officer how far he was able to see around the ship; he replied, that although a little hazy, he thought he could see a mile or two, adding, that the look-out was regularly relieved every half hour. With a strange sensation upon my mind, I again returned to my berth. What was my astonishment on finding myself the third time in the same place! with this addition; I had now, without being aware of it, put on my outer garments and hat. Then I conceived some danger was nigh at hand, and determined upon laying the ship to for the night. She was then under full sail, going at the rate of five or six miles per hour. All her light sails were accordingly taken in, the top-sails were single-reefed, and the ship brought to forthwith, on the wind. I gave directions to the officer in charge to tack every hour and to pass the direction to the officer who should relieve him, that we might maintain our present position until morning; adding a request that he would call me at day-light, as he himself would then be again on watch. He was surprised—looked at me with astonishment—appeared half to hesitate to obey, supposing me to be out of my mind. I observed I

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
Full Moon,	4	5	5	A.	4	5	22	A.	4	4	29	A.
Last Quarter,	11	11	7	A.	11	11	24	A.	11	10	31	A.
New Moon,	20	2	43	M.	20	3	0	M.	20	2	7	M.
First Quarter,	27	10	9	M.	27	10	26	M.	27	9	33	M.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉	Sun's decli. South.	☾ ple			
			Sun	Sun	Moon	High	Sun	Sun	Moon	High						
			rises	sets.	sets.	water. Phil'a.	rises.	sets.	sets.	water. Bost'n						
1	5	Mark. S. 10h. 14	6	1	5 39	1 53	11 45	6	2	5 38	1 49	8 48	10	3 13	23	
2	6	♀ rises 4h. 24m.	1	1	37	2 58	morn	3	3	36	2 55	9 52	11	3 36	☾	
3	7	☾ in perigee.	2	2	36	4 21	0 49	4	4	34	4 20	10 38	11	4 0	23	
4	D	Fomal. S. 9h. 54	3	3	34	Rises	1 35	5	5	33	Rises	11 19	11	4 23	☾	
5	2	♂ stat'y ♂ ☽ ☽	4	4	32	6 4	2 16	6	6	31	6 0	11 54	12	4 46	23	
6	3	♂ rises 5h. 19m	5	5	31	6 48	2 51	7	7	29	6 4	morn	12	5 9	☾	
7	4	♂ in sup. ♂ ☽	7	7	29	7 30	3 35	8	8	28	7 25	0 38	2	5 32	21	
8	5	♂ so. 3h. 56m.	8	8	28	8 17	4 13	9	9	26	8 11	1 16	2	5 55	☾	
9	6	♂ ♂ ☽	9	9	26	9 8	4 55	10	10	24	9 1	1 58	13	6 18	18	
10	7	♂ south 8h. 40.	10	10	25	10 1	5 40	12	12	22	9 54	2 43	13	6 41	☾	
11	D	Fomal. s. 9h. 27	11	11	23	10 56	6 29	13	13	21	10 49	3 32	13	7 4	13	
12	2	Mark. s 9h. 23	12	12	21	11 51	7 25	14	14	19	11 45	4 28	13	7 26	25	
13	3	♀ rises 4h. 49m.	13	13	20	morn	8 33	15	15	18	morn	5 34	4	7 49	☾	
14	4	Spica ri 5h. 6	14	14	18	0 46	9 45	16	16	16	0 41	6 48	14	8 11	19	
15	5	♂ in apogee.	15	15	17	1 42	10 48	17	17	14	1 38	7 51	14	8 33	☾	
16	6	Alh. S. 11h. 5m.	16	16	15	2 37	11 43	19	19	13	2 35	8 46	14	8 55	13	
17	7	♂ in ☽	17	17	14	3 34	0 27	20	20	11	3 32	9 30	15	9 17	25	
18	D	♀ ♂ ☽	18	18	13	4 31	1 6	21	21	10	4 31	10 9	15	9 39	☾	
19	2	☽ eclips. invis.	19	19	11	5 30	1 41	22	22	8	5 31	10 44	15	10 1	19	
20	3	♀ ♂ ♂. ♂ ♂ ☽	20	20	10	Sets	2 17	23	23	6	Sets	11 20	15	10 23	☾	
21	4	♂ rises 5h. 9m.	21	21	8	6 8	2 52	25	25	5	6 2	11 55	15	10 44	13	
22	5	Alh. S 10h. 42m	22	22	7	6 52	3 28	26	26	3	6 45	0 31	15	11 6	27	
23	6	♀ rises 5h 12m	23	23	5	7 40	4 6	27	27	2	7 33	1 9	16	11 27	☾	
24	7	♂ south 2h. 50.	25	25	4	8 35	4 49	28	28	0	8 27	1 52	16	11 48	23	
25	D	♂ south 7h. 32.	26	26	3	9 33	5 34	29	29	4	59	9 27	2 37	16	12 9	☾
26	2	Pol ri 10h. 48	27	27	1	10 38	6 27	31	31	58	10 32	3 30	16	12 29	21	
27	3	Fomal S. 8h. 24	28	28	0	11 45	7 34	32	32	56	11 40	4 37	16	12 50	☾	
28	4	♂ in Aphelion.	29	29	4	59	morn	8 54	33	54	morn	5 57	16	13 10	19	
29	5	♂ ♂ D ½ stat'y.	30	30	58	0 53	10 20	34	34	53	0 50	7 23	16	13 30	☾	
30	6	D in perigee.	31	31	56	2 3	11 30	36	36	52	2 1	8 33	16	13 50	17	
31	7	Mark. S. 8h. 16	33	33	55	3 11	morn	37	37	51	3 11	9 29	16	14 9	☾	

“Let the wicked forsake his way, and the unrighteous man his thoughts; and let him return unto the Lord, and he will have mercy upon him; and to our God, for he will abundantly pardon.”

“The ornament of a meek and quiet spirit is, in the sight of God, of great price.”

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
Full Moon,	3	4	10	M.	3	4	27	M.	3	3	34	M.
Last Quarter,	10	6	43	A.	10	7	0	A.	10	5	7	A.
New Moon,	18	5	59	A.	18	6	16	A.	18	5	23	A.
First Quarter,	25	5	30	A.	25	5	47	A.	25	4	54	A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decl. South	☾
			Sun	Sun	Moon	High water, Phila.	Sun	Sun	Moon	High water, Boston		
			rises.	sets.	sets.		rises.	sets.	sets.			
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
1	D	♀ rises 5h. 36.	6 34	4 54	4 22	0 26	6 38	4 49	4 23	10 16	16 14 28	16
2			35	53	5 32	1 13	39	48	5 34	10 58	16 14 48	♄
3		♂ rises 5h. 0m.	36	51	Rises	1 55	41	47	Rises	11 40	16 15 7	15
4	4	♃ rises 6h. 45.	37	50	6 7	2 37	42	46	6 1	morn	16 15 25	29
5	5	Arie. S. 10h. 57	39	49	6 56	3 16	43	44	6 49	0 19	16 15 44	♁
6	6	♄ south 6h. 45m	40	48	7 48	3 54	44	43	7 41	0 57	16 16 2	25
7	7	Foml. S. 7h. 41	41	47	8 44	4 33	46	42	8 37	1 36	16 16 20	♄
8	D	♀ rises 5h. 51m.	42	46	9 39	5 13	47	41	9 33	2 16	16 16 37	21
9	2	Mar. S. 7h. 41.	43	45	10 35	5 55	48	40	10 30	2 58	16 16 54	♁
10	3	Ali. S. 9h. 23m.	44	44	11 32	6 43	50	39	11 28	3 46	16 17 11	15
11	4	♃ in apogee.	45	43	morn	7 38	51	38	morn	4 41	16 17 28	27
12	5	Reg. ri. 11h. 47	46	42	0 28	8 42	52	37	0 25	5 45	16 17 44	♃
13	6	♃ S. 1h. 24 M	48	41	1 24	9 51	53	36	1 22	6 53	16 18 0	21
14	7	♄ rises 4h. 55m.	49	40	2 20	10 52	55	35	2 19	7 55	15 18 16	♄
15	D	7* S. 11h 57	50	40	3 18	11 48	56	34	3 19	8 51	15 18 32	15
16	2	♂ ♄ ☽ ½ ☐ ☺	51	39	4 18	0 35	57	33	4 20	9 38	15 18 47	27
17	3	♄ great. H. L. S.	52	38	5 18	1 16	58	32	5 21	10 19	15 19 2	♃
18	4	♀ ♄ ☽	53	37	Sets	1 55	7 0	31	Sets	10 58	15 19 16	23
19	5	♄ south 5h. 59.	55	37	5 34	2 35	1 30	5 27	11 38	14 19 30	♄	
20	6	♄ ♄ ☽	56	36	6 27	3 14	2 30	6 26	0 17	14 19 44	20	
21	7	♃ south 0h. 48.	57	35	7 27	3 56	4 29	7 20	0 59	14 19 59	♄	
22	E	♄ gt. elong E.	58	35	8 31	4 38	5 28	8 24	1 41	14 20 11	17	
23	2	Arie. S. 9h. 46.	59	34	9 36	5 22	6 27	9 30	2 25	13 20 23	♄	
24	3	♀ rises 6h. 31m.	7 0	34	10 44	6 11	7 27	10 40	3 14	13 20 35	16	
25	4	♃ in perigee	1 33	11 53	7 10	8 26	11 50	4 13	13 20 47	♄		
26	5	Alg. S. 7h. 42.	2 33	morn	8 25	9 26	morn	5 28	12 20 59	14		
27	6	♄ rises 4h. 48.	4 32	1 2	9 47	10 25	1 1	6 50	12 21 10	28		
28	7	Ald. S. 11h. 54	5 32	2 9	11 0	12 25	2 9	8 3	12 21 21	♀		
29	D	♄ south 5h. 18.	6 31	3 16	morn	13 24	3 18	9 5	11 21 31	26		
30	2	♃ south 0h. 8m	7 31	4 23	0 2	14 24	4 26	9 57	11 21 41	♄		

“Examine yourselves, whether ye be in the faith; prove your ownelves. Know ye not your ownelves, how that Jesus Christ is in you, except ye be reprobates?”

“As many as are led by the Spirit of God, they are the sons of God.”

“If any man have not the Spirit of Christ, he is none of his.”

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
Full Moon,	7	0	59	M.	7	1	16	M.	7	0	23	M.
Last Quarter,	13	5	51	A.	13	6	8	A.	13	5	15	A.
New Moon,	21	6	24	A.	21	6	41	A.	21	5	48	A.
First Quarter,	29	5	18	A.	29	5	35	A.	29	4	42	A.

D.M	D.W	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decl. N. North.	☾										
			Sun	Sun	Moon	High	Sun	Sun	Moon	High												
			rises	sets.	Sets.	water, Phila.	rises	sets.	Sets.	water, Boston												
1	7	☽ rises 2h. 22m	5	3	7	9	morn	3	46	4	57	7	15	morn	5	49	6	18	1	24		
2	D	☽ sets 7h. 50m.	4	8	0	12	10	15	58	14	0	5	7	18	6	17	46	6	17	46	1	
3	2	Lyra S. 9h. 41m	5	7	1	3	11	35	59	13	0	56	8	38	6	17	30	6	17	30	2	
4	3	☽ rises 1h. 13m.	6	6	2	2	morn	5	0	12	1	55	9	40	6	17	15	6	17	15	3	
5	4	♄ S. 1h. 12 M.	6	5	3	8	0	37	1	10	3	1	10	30	6	16	59	6	16	59	20	
6	5	♄ S. 10h. 45.	7	4	4	18	1	27	2	9	4	12	11	16	6	16	42	6	16	42	23	
7	6	☽ in perigee.	8	3	Rises	2	13	3	8	rises	11	57	6	16	25	20	6	16	25	20	20	
8	7	♄ ☽ ☽	9	1	7	50	2	54	4	7	7	50	morn	5	16	9	21	5	16	9	21	
9	D	☽ in aphelion.	10	0	8	27	3	35	5	5	8	25	0	38	5	15	51	5	15	51	21	
10	2	♄ S. 10h. 25	11	6	59	9	3	4	13	6	4	9	0	1	16	5	15	34	5	15	34	20
11	3	♄ ☽ ☽. ☽ stat'y	12	58	9	40	4	55	7	3	9	36	1	58	5	15	16	5	15	16	20	
12	4	☽ rises 2h. 37m	13	57	10	19	5	39	8	1	10	12	2	42	5	14	58	5	14	58	18	
13	5	☽ sets 7h. 25m	14	55	10	58	6	29	9	0	10	52	3	32	5	14	40	5	14	40	17	
14	6	♄ S. 0h. 30m.	15	54	11	43	7	30	10	6	58	11	36	4	33	4	14	21	4	14	21	11
15	7	♄ ☽ ☽	16	53	morn	8	45	11	57	morn	5	48	4	14	3	13	4	14	3	13	11	
16	D	☽ rises 1h. 34m	17	51	0	31	10	7	12	56	0	24	7	10	4	13	44	4	13	44	26	
17	2	Fomal. S. 1h. 7.	18	50	1	21	11	15	14	54	1	14	8	18	4	13	25	4	13	25	25	
18	3	Lyra S. 8h. 42m	19	49	2	13	0	9	15	53	2	7	9	12	4	13	6	4	13	6	20	
19	4	☽ ☽ ☽	20	47	3	9	0	53	16	51	3	3	9	56	3	12	46	3	12	46	21	
20	5	♄ ☽ ☽ ☽ ☽ ☽	21	46	4	3	1	30	17	50	3	58	10	33	3	12	26	3	12	26	14	
21	6	☽ in apogee	22	44	Sets	2	3	18	18	48	Sets.	11	6	3	12	6	26	3	12	6	26	
22	7	♄ ☽ ☽, ☽ ☽ ☽	23	43	6	52	2	35	19	47	6	53	11	38	3	11	46	3	11	46	22	
23	D	☽ rises 2h. 56m	23	41	7	22	3	5	20	45	7	21	0	8	2	11	26	2	11	26	19	
24	2	♄ S. 11h. 47m.	24	40	7	50	3	36	21	43	7	49	0	39	2	11	6	2	11	6	22	
25	3	☽ in inf. ☽ ☽	25	39	8	20	4	7	22	42	8	17	1	10	2	10	45	2	10	45	13	
26	4	Mar. S. 0h. 26m	26	37	8	53	4	42	23	40	8	48	1	45	2	10	24	2	10	24	25	
27	5	Spi. sets 9h. 37.	27	36	9	29	5	19	24	39	9	22	2	22	1	10	3	1	10	3	21	
28	6	☽ rises 0h. 54m	28	34	10	9	6	3	25	37	10	02	3	6	1	9	42	1	9	42	20	
29	7	♄ S. 9h. 11.	29	32	10	55	7	1	26	35	10	48	4	4	1	9	21	1	9	21	17	
30	D	Fomal. S. 0h. 12m	30	31	11	48	8	18	27	34	11	41	5	21	0	8	59	0	8	59	17	
31	2	Lyra S. 7h. 51m	31	29	morn	9	48	28	28	32	morn	6	51	0	8	38	13	0	8	38	13	

"The fear of the Lord, that is wisdom; and to depart from evil is understanding."

"Like as a father pitieth his children, so the Lord pitieth them that fear him. For he knoweth our frame; he remembereth that we are dust."

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
Full Moon,	5	8	15	<i>M.</i>	5	8	32	<i>M.</i>	5	7	39	<i>M.</i>
Last Quarter,	12	6	41	<i>M.</i>	12	6	58	<i>M.</i>	12	6	5	<i>M.</i>
New Moon,	20	10	33	<i>M.</i>	20	10	50	<i>M.</i>	20	9	57	<i>M.</i>
First Quarter,	28	2	26	<i>M.</i>	28	2	43	<i>M.</i>	28	1	40	<i>M.</i>

Phila. Penna., N. Jersey, Ohio and Indiana. Boston, N. England, N. York State, and Michigan.

D. M.	D. W.	REMARKS.	Phila.				Boston.				Sun's decli. North.	D. pte	
			Sun rises.	Sun sets.	Moon sets.	High water.	Sun rises.	Sun sets.	Moon sets.	High water.			
1	3	☾ rises 3h. 15m	5 32	6 28	0 49	10 11	5 29	6 30	0 42	7 14	0	8 16	14
2	4	☽ sets 6h. 38m.	33	26	1 55	morn	31	29	1 48	9 21	0	7 54	☾
3	5	☽ stationary	34	25	3 6	0 18	32	27	3 1	10 12	1	7 32	14
4	6	☽ in per. ♄ ☽	35	23	4 19	1 9	33	25	4 15	10 57	1	7 10	☾
5	7	☽ rises 10h. 37	36	21	Rises	1 54	34	24	Rises	11 39	1	6 48	15
6	D	☽ south 10h 52	37	20	6 58	2 36	35	22	6 56	morn	2	6 25	☽
7	2	☽ ☽ At. S. 8h	38	18	7 35	3 15	36	20	7 31	0 18	2	6 3	15
8	3	☽ ☽ ☽ [35m	39	17	8 13	3 54	37	18	8 10	0 57	2	5 40	29
9	4	☽ in ☽	39	15	8 56	4 35	38	17	8 49	1 38	3	5 18	☽
10	5	☽ S. 11h. 25	40	13	9 40	5 16	39	15	9 33	2 19	3	4 55	28
11	6	☽ gt. elong. W	41	12	10 28	6 3	40	13	10 19	3 6	3	4 32	☽
12	7	☽ rises 3h. 39m	42	10	11 17	7 0	41	11	11 10	4 3	4	4 9	22
13	D	☽ rises 5h. 45m	43	8	morn	8 10	42	10	morn	5 13	4	3 46	☽
14	2	☽ in perihelion	44	7	0 9	9 24	43	8	0 2	6 27	4	3 23	17
15	3	☽ rises 10h. 1m	45	5	1 4	10 36	44	6	0 58	7 39	5	3 0	28
16	4	☽ south 10h. 11	46	4	1 58	11 37	45	4	1 53	8 40	5	2 37	☽
17	5	☽ in apogee.	47	2	2 54	0 25	46	2	2 50	9 25	6	2 14	22
18	6	☽ ☽ ☽	48	0	3 50	1 1	47	1	3 47	10 4	6	1 51	☽
19	7	☽ ☽ ☽	49	5 58	4 46	1 36	49	5 59	4 44	10 39	6	1 25	16
20	D	Mar. S. 10h. 57	50	57	Sets	2 8	50	57	Sets	11 11	7	1 4	28
21	2	Lyra S. 6h 29m	51	55	6 24	2 40	51	55	6 21	11 43	7	0 41	☽
22	3	☽ rises 4h. 2m.	53	54	6 55	3 12	52	54	6 51	0 15	7	0 17	22
23	4	☽ in perihelion	53	52	7 31	3 45	53	52	7 25	0 48	8	south	☽
24	5	☽ great. u. L. N.	54	50	8 10	4 21	54	50	8 4	1 24	8	0 29	17
25	6	Atair S. 7h. 24	55	49	8 54	5 1	55	48	8 47	2 4	8	0 53	☽
26	7	☽ rises 5h. 28m	56	47	9 43	5 47	56	47	9 36	2 50	9	1 16	13
27	D	☽ rises 9h. 16m	57	45	10 39	6 42	57	45	10 32	3 45	9	1 40	26
28	2	☽ Fem. S. 10h.	59	44	11 40	7 54	58	43	11 34	4 57	9	2 4	☽
29	3	☽ ☽ ☽ [18m.	59	42	morn	9 22	59	41	morn	6 25	10	2 27	23
30	4	☽ south 9h. 13.	6 0	40	0 47	10 45	6 0	39	0 42	7 48	10	2 51	☽

"As for man, his days are as grass; as a flower of the field, so he flourisheth. For the wind passeth over it, and it is gone; and the place thereof shall know it no more. But the mercy of the Lord is from everlasting to everlasting upon them that fear him, and his righteousness unto children's children, to such as keep his covenant, and to those that remember his commandments to do them."

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
First Quarter,	2	0	29 M.	2	0	46 M.	1	11	53 A.
Full Moon,	9	10	35 M.	9	10	52 M.	9	9	59 M.
Last Quarter,	16	1	37 M.	16	1	54 M.	16	1	1 M.
New Moon,	23	0	47 A.	23	1	4 A.	23	0	11 A.

D.	M.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decli. North	D	
			Sun	Sun	Moon	High water,	Sun	Sun	Moon	High water,			
			rises	sets.	Sets.	P.M. Pa.	rises	sets.	Sets.	Bost'n			
1	2	☽ rises 2h. 34m.	4 38	7 17	morn	7 3	4 31	7 24	morn	4 6	3	22 4	☽
2	3	☽ sets 9h. 48m	38	18	0 14	8 2	30	25	0 14	5 5	2	22 12	17
3	4	☽ in Aphelion.	37	18	0 43	9 9	30	26	0 42	6 12	2	22 20	29
4	5	Spica S. 8h. 24.	37	19	1 12	10 21	30	26	1 10	7 24	2	22 27	☽
5	6	☽ rises 3h. 45m	37	20	1 44	11 26	29	27	1 40	8 29	2	22 34	24
6	7	☽ ☽ ☽	36	20	2 19	morn	29	28	2 14	9 24	2	22 40	☽
7	8	☽ rises 11h. 51.	36	21	2 59	0 21	28	28	2 53	10 13	2	22 46	21
8	2	Arct. S. 8h. 59.	36	21	3 44	1 10	28	29	3 37	10 58	1	22 52	☽
9	3	☽ rises 2h. 27.	36	22	Rises	1 55	28	30	Rises	11 43	1	22 59	19
10	4	Ant. S. 11h. 2m	36	23	8 28	2 40	28	30	8 33	morn	1	23 2	☽
11	5	☽ sets 9h. 32m.	36	23	9 18	3 23	28	31	9 22	0 26	1	23 6	18
12	6	☽ in per. ☽ sta.	35	23	10 2	4 5	27	31	10 5	1 8	1	23 10	☽
13	7	☽ in ☽	35	24	10 41	4 49	27	32	10 43	1 52	0	23 14	18
14	D	☽ ☽ ☽	35	24	11 18	5 34	27	32	11 18	2 37	sl.	23 17	☽
15	2	Lyra s. 0h. 50m	35	25	11 52	6 25	27	33	11 51	3 28	0	23 20	16
16	3	☽ rises 3h. 9m.	35	25	morn	7 23	27	33	morn	4 26	0	23 22	☽
17	4	☽ ☽ ☽	36	26	0 26	8 36	28	34	0 24	5 39	1	23 24	14
18	5	☽ in perihelion	36	26	1 0	9 56	28	34	0 56	6 59	1	23 25	28
19	6	☽ rises 11h. 3m	36	26	1 37	11 7	28	34	1 32	8 10	1	23 26	☽
20	7	☽ ☽ ☽ in sup	36	26	2 16	0 7	28	34	2 10	9 10	1	23 27	24
21	D	☽ ☽ ☽ center	36	27	2 59	0 55	28	34	2 53	9 58	1	23 27	☽
22	2	☽ rises 2h. 16m	36	27	3 47	1 30	28	35	3 39	10 40	2	23 27	19
23	3	☽ sets 9h. 12m.	37	27	Sets	2 15	29	35	Sets	11 18	2	23 27	☽
24	4	☽ ☽ ☽	37	27	8 4	2 50	29	35	8 9	11 53	2	23 26	14
25	5	☽ great. H. L. s.	37	27	8 42	3 24	29	35	8 45	0 27	2	23 24	27
26	6	☽ ☽ ☽	37	27	9 15	3 57	30	35	9 19	1 0	2	23 23	☽
27	7	☽ in apogee.	38	27	9 47	4 29	30	35	9 49	1 32	3	23 20	20
28	D	☽ great n. L. N.	38	27	10 16	5 2	30	35	10 17	2 5	3	23 18	☽
29	2	Lyra s. 11h. 55.	39	27	10 45	5 39	31	35	10 44	2 42	3	23 15	13
30	3	☽ in apogee.	39	27	11 13	6 20	31	35	11 11	3 23	3	23 11	25

If thou art the parent of children, so behave thyself among them that they may love and honour thy presence. So carry thyself, that they may rather fear thy displeasure than thy correction. When thou reprovest, do it seasonably—when thou correctest, do it not in a passion. As a wise child makes a glad father, so a wise father makes a happy child.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
First Quarter,	1	4	23	A.	1	4	40	A.	1	3	47	A.
Full Moon,	8	6	10	A.	8	6	27	A.	8	5	34	A.
Last Quarter,	15	8	23	M.	15	8	40	M.	15	7	47	M.
New Moon,	2	3	2	M.	23	3	19	M.	23	2	26	M.
First Quarter,	31	6	2	M.	31	6	19	.	31	5	26	M.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State, and Michigan				Sun's decli. North	D		
			Sun	Sun	Moon	High water, Phila.	Sun	Sun	Moon	High water Bost'n				
			rises.	sets.	Sets.	H. N.	rises.	sets.	Sets.	H. N.				
1	4	☽ rises 2h. 11m	4 40	7 27	11 43	7 -7	4 32	7 35	11 40	4 10	3	23	7	☾
2	5	☽ sets 8h. 55m.	40	27	morn	8 10	32	35	morn	5 17	4	23	3	20
3	6	Lyra S. 11h. 43	41	27	0 16	9 31	33	35	0 12	6 34	4	22	59	☾
4	7	☾ rises 2h. 13.	41	27	0 53	10 47	33	35	0 48	7 50	4	22	56	15
5	D	☾ rises 10h. 3.	42	27	1 15	11 55	34	34	1 27	8 58	4	22	48	29
6	2	☽ great. n. l. n.	42	26	2 23	morn	35	34	2 15	9 55	4	22	41	☽
7	3	☽ ☽ ☾	43	26	3 19	0 52	35	34	3 12	10 44	5	22	36	17
8	4	Ant. S. 9h. 12m	44	26	Rises	1 41	36	33	Rises	11 30	5	22	29	☽
9	5	Lyra S. 11h 20.	45	25	7 55	2 27	37	33	7 58	morn	5	22	22	27
10	6	☽ in perigee.	46	25	8 37	3 14	37	33	8 48	0 17	5	22	15	☽
11	7	Alt. S. Oh. 27 M.	46	25	9 18	3 51	38	32	9 19	0 54	5	22	7	27
12	D	☽ ☽ ☽	46	24	9 54	4 33	39	31	9 53	1 36	5	21	59	☽
13	2	☽ rises 2h. 10m	47	24	10 29	5 15	40	30	10 27	2 18	5	21	50	26
14	3	Form. S. 3h. 19	48	23	11 3	6 1	40	30	11 0	3 4	5	21	41	☽
15	4	☽ sets 8h. 27m.	48	23	11 39	6 55	41	30	11 35	3 58	6	21	32	24
16	5	Reg. S. 9h. 14.	49	22	morn	8 3	42	29	morn	5 6	6	21	23	☽
17	6	☽ rises 1h. 30m	50	22	0 18	9 10	43	29	0 11	6 13	6	21	13	21
18	7	☽ ☽ ☽	51	21	0 59	10 38	44	28	0 52	7 41	6	21	2	☽
19	D	☽ ☽ ☽	51	20	1 34	11 44	45	27	1 37	8 47	6	20	51	16
20	2	☽ stationary.	52	20	2 32	0 35	46	27	2 25	9 38	6	20	40	28
21	3	☽ rises 8h. 59.	53	19	3 24	1 16	46	26	3 16	10 19	6	20	29	☽
22	4	☽ rises 2h. 13m	54	18	4 18	1 49	47	25	4 12	10 52	6	20	17	23
23	5	Spi. sets 11h. 46	55	17	Sets	2 28	48	24	Sets	11 31	6	20	5	☽
24	6	☽ ☽ ☽	56	17	7 50	3 0	49	23	7 51	0 3	6	19	53	16
25	7	☽ in ap. ☽ ☽ ☽	57	16	8 19	3 31	50	22	8 20	0 34	6	19	40	28
26	D	☽ rises 1h. 0m.	57	15	8 49	4 2	51	21	8 49	1 5	6	19	27	☽
27	2	☽ sets 8h. 4m.	58	14	9 18	4 34	52	20	9 16	1 37	6	19	13	22
28	3	☽ g'st. elong E.	59	13	9 46	5 6	53	19	9 44	2 9	6	18	59	☽
29	4	Lyra S. 10h. 1m	5 0	12	10 16	5 45	54	18	10 12	2 48	6	18	45	16
30	5	Ant. S. 7h. 46m.	1	11	10 51	6 31	55	17	10 46	3 34	6	18	31	28
31	6	☽ in aphilion.	2	10	11 29	7 30	56	16	11 24	4 33	6	18	16	☽

"I went by the field of the slothful, and by the vineyard of the man void of understanding: and lo! it was all grown over with thorns; and nettles had covered the face thereof; and the stone wall thereof was broken down. Then I saw and considered it well: I looked upon it and received instruction."

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
First Quarter,	3	0	10 A.	3	0	27 A.	3	11	34 M.
Full Moon,	11	0	54 A.	11	1	11 A.	11	0	18 A.
Last Quarter,	18	3	23 A.	18	3	40 A.	18	2	47 A.
New Moon,	25	11	47 M.	25	0	4 A.	25	11	11 M.

D.	M.	REMARKS.	Phila Penna. N. Jersey. Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decli. North	D pte
			Sun rises.	Sun sets.	Moon Sets.	High- water, Phila	Sun rises.	Sun sets.	Moon Sets.	High- water, Bost'n		
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.		
1	4	♄ great. h. l. n.	5 49	6 19	morn	5 53	5 47	6 21	morn	2 56	4 35	18
2	5	♀ rises 4h. 0m.	47	20	0 10	6 43	46	22	0 14	3 46	4 58	15
3	6	♄ sets 10h. 49m	45	21	0 54	7 44	44	23	0 59	4 47	3 52	13
4	7		44	22	1 34	8 53	42	24	1 40	5 56	3 54	25
5	D	♃ in apogee	42	23	2 11	10 6	42	25	2 17	7 9	3 6	7 9
6	2	♃ sets 8h. 46m.	41	24	2 44	11 7	39	26	2 48	8 10	2 6	30 19
7	3	♀ great brill'y.	39	25	3 15	11 58	37	27	3 16	9 1	2 6	52 10
8	4	♄ stationary.	38	26	3 44	morn	35	29	3 45	9 44	2 7	15 13
9	5	Ali. S. 11h. 34m	36	27	4 13	0 41	34	30	4 12	10 22	2 7	37 26
10	6	Rigel sets 9h 22	34	28	4 44	1 19	32	31	4 42	10 58	1 7	59 2
11	7	Spica S. 0h. 0m.	33	29	Rises	1 56	30	32	Rises	11 33	1 8	21 21
12	D	♃ rises 3h. 27m	31	30	7 48	2 30	29	33	7 53	morn	1 8	43 11
13	2	Sir. sets 10h. 35	30	31	8 52	3 6	27	34	8 58	0 9	1 9	5 17
14	3	♄ sets 10h. 40m	28	32	9 55	3 44	25	35	10 1	0 47	0 9	27 7
15	4	Cas. sets 1h. 51	27	33	10 54	4 29	24	36	10 59	1 28	fst	9 48 14
16	5	♀ rises 3h. 45m.	25	34	11 47	5 9	22	37	11 54	2 12	0 10	9 28
17	6	♃ Ori. sets 10h 26	24	35	morn	6 0	21	38	morn	3 3	1 10	30 13
18	7	♄ in inf. ♄ ☉	22	36	0 37	7 1	19	40	0 42	4 4	1 10	51 26
19	D	Ali. S. 10h 55m	21	37	1 22	8 18	18	41	1 27	5 21	1 11	12 29
20	2	♃ in per. ♃ ♄	19	38	2 2	9 43	16	42	2 4	6 46	1 11	33 24
21	3	♀ ♄. ♃ sets 10h	18	39	2 39	11 0	14	43	2 40	8 3	1 11	53 26
22	4	♃ sets 8h. 1m.	17	40	3 13	0 1	13	44	3 13	9 4	2 12	14 23
23	5	♃ ♄	15	41	3 49	0 51	11	45	3 47	9 54	2 12	34 20
24	6	♄ ♄. ♄ in ♃	14	42	4 34	1 34	10	46	4 31	10 37	2 12	54 21
25	7	☉ eclips'd, visi.	12	43	Sets	2 13	8	47	Sets	11 16	2 13	13 18
26	D	♄ ♄ 3h. 19m.	11	44	8 5	2 51	7	48	8 9	11 54	2 13	33 18
27	2	♀ rises 3h. 22m	10	45	9 3	3 28	6	50	9 9	0 31	2 13	52 11
28	3	♄ ♄	9	46	9 58	4 6	4	51	10 3	1 9	3 14	11 14
29	4	♄ in ♃	7	47	10 48	4 45	3	52	10 53	1 48	3 14	30 27
30	5	♃ rises 2h. 19m	6	48	11 31	5 25	1	53	11 35	2 28	3 14	48 26

A wise and clear consideration of our latter end, neither renders us sad, melancholy, nor disconsolate, nor does it unfit us for the business and offices of life, but makes us more watchful, vigilant, industrious, sober, cheerful and thankful to that God, that hath been pleased thus to make us serviceable to him, comfortable to ourselves, profitable to others; and after all this, to take away the bitterness

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
First Quarter,	3	6	51	M.	3	7	8	M.	3	6	15	M.
Full Moon,	11	1	5	M.	11	1	22	M.	11	0	29	M.
Last Quarter,	17	8	25	A.	17	8	42	A.	17	7	49	A.
New Moon,	24	11	43	A.	25	0	0	M.	24	11	7	A.

D.M.	D.W	REMARKS.	Phila. Penna. N. Jersey Ohio and Indiana.								Boston, N. England, N. York State and Michigan.									
			Sun		Sun		Moon		High water, Phila.	Sun		Sun		Moon		High water Boat'n.	☺	Sun's decli. North	☾	
			rises	sets.	rises	sets.	sets.	sets.	rises	sets.	sets.	sets.	rises	sets.	sets.	sets.				
1	6	♄ stationary.	5	5	6	49	morn	6	7	5	0	6	54	morn	3	10	3	15	6	21
2	7	♄ rises 3h. 13m.	4	5	0	8	6	58	4	59	55	0	12	4	1	3	15	24	9	
3	D	♄ in apogee.	2	51	0	43	7	57	57	56	0	47	5	0	3	15	42	15		
4	2	♄ sets 10h. 22m.	1	52	1	15	9	2	56	57	1	17	6	5	3	16	0	27		
5	3	♄ in Aphelion.	0	53	1	44	10	12	55	58	1	45	7	15	3	16	17	17		
6	4	Ali. s. 9h. 56m.	4	59	54	2	14	11	12	54	59	2	13	8	15	4	16	34	21	
7	5	♄ sets 7h. 25m.	58	55	2	44	morn	52	7	0	2	42	9	8	4	16	50	2		
8	6	Sp'a s. 10h. 18.	56	56	3	14	0	5	51	1	3	11	9	53	4	17	7	16		
9	7	♄ rises 1h. 54m.	55	57	3	48	0	50	50	2	3	43	10	34	4	17	23	11		
10	D	Arct. S. 10h. 53	54	58	2	24	1	31	49	3	4	19	11	14	4	17	39	13		
11	2	♄ gt. elong W.	53	59	Rises	2	11	48	5	Rises	11	55	4	17	54	26				
12	3	Ant. S. 1h. 0m.	52	7	0	8	45	2	52	47	6	8	50	morn	4	18	10	†		
13	4	♄ rises 2h. 59m.	51	1	9	43	3	33	46	7	9	48	0	36	4	18	23	24		
14	5	♄ Ali. s. 9 28	50	2	10	35	4	16	44	8	10	40	1	18	4	18	39	15		
15	6	♄ in perigee.	49	3	11	21	5	0	43	9	11	25	2	3	4	18	53	23		
16	7	♄ sets 10h. 6m.	49	4	morn	5	49	42	10	morn	2	52	4	19	7	19				
17	D	♄ gt. elong W.	48	5	0	6	6	46	-41	11	0	3	3	49	4	19	21	22		
18	2	♄ ♀	47	5	0	40	7	53	40	12	0	41	4	56	4	19	34	22		
19	3	♄ ♀ ♀ [9h. 23	46	6	1	14	9	10	39	13	1	14	6	13	4	19	47	20		
20	4	♄ ♀ ♀ Spica S.	45	7	1	49	10	29	39	14	1	47	7	32	4	20	0	17		
21	5	♄ ♀ ♀ [0h. 56	44	8	2	23	11	38	38	15	2	20	8	41	4	20	12	17		
22	6	♄ ♀ ♀ ♀ rises	44	9	2	59	0	29	37	16	2	54	9	32	4	20	24	8		
23	7	♄ ♀ ♀	43	10	3	37	1	13	36	17	3	30	10	16	4	20	36	14		
24	D	♄ ♀ ♀	42	11	sets	1	54	36	18	Sets	10	57	5	2	47	27				
25	2	♄ great. n. l. s.	42	12	7	48	2	33	35	19	7	54	11	36	3	20	58	23		
26	3	♄ rises 2h. 42m	41	12	8	40	3	9	34	19	8	45	0	12	3	21	9	21		
27	4	♄ ♀ ♀	41	13	9	25	3	45	33	20	9	30	0	48	3	21	19	25		
28	5	♄ sets 10h. 14.	40	14	10	6	4	20	33	21	10	10	1	23	3	21	29	17		
29	6	♄ rises 4h. 6m.	39	15	10	42	4	57	32	22	10	46	2	0	3	21	38	29		
30	7	Ant. s. 11h. 46.	39	15	11	14	5	34	32	23	11	17	2	37	3	21	47	9		
31	D	♄ in apogee.	38	16	11	45	6	16	31	23	11	43	3	19	3	21	56	23		

and sting of death, through Jesus Christ our Lord.—*Sir Matthew Hale.*

He is a true Christian, who when injured, is more grieved for the sin of the offender, than for the wrong that is done to himself.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
First Quarter,	3	0	10 M.	3	0	27 M.	2	11	34 A.
Full Moon,	11	4	11 M.	11	4	28 M.	11	3	35 M.
Last Quarter,	18	11	43 A.	19	0	0 M.	18	11	7 A.
New Moon,	25	2	31 A.	25	2	48 A.	25	1	55 A.

D.	M.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State & Michigan.				Sun's decli. South.	D plc	
			Sun rises.	Sun sets.	Moon sets.	High water Phila.	Sun rises.	Sun sets.	Moon sets.	High water Boston			
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.			
1	D	♄♂♃	7 13	5 15	11 49	5 59	7 19	5 9	11 52	3 2	14 17	3 24	
2	2	♀ sets 8h. 22m.	13	16	morn	6 50	18	10	morn	3 53	14 16	46 8	
3	3	♄ sets 11h. 26m	12	17	0 52	7 57	17	11	0 56	5 0	14 16	28 20	
4	4	♀ great. n. l. n.	10	18	1 49	9 12	16	13	1 55	6 15	14 16	10 11	
5	5	♃ sets 11h. 45m	9	19	2 45	10 29	14	14	2 50	7 32	14 15	52 15	
6	6	♄ in aphelion.	8	20	3 35	11 35	13	15	3 40	8 38	14 15	34 27	
7	7	♀ stationary.	7	22	4 20	morn	12	17	4 26	9 27	14 15	15 26	
8	D	Adeb. s. 7h. 10	6	23	5 1	0 24	11	18	5 6	10 8	14 14	56 21	
9	2	♃ s. 5h. 25 D in	5	24	5 38	1 5	10	19	5 40	10 45	15 14	37 9	
10	3	♃♂♀ in peri.	4	25	6 12	1 42	8	21	6 15	11 19	15 14	18 14	
11	4	Capella s. 7h. 37	3	26	Rises	2 16	7	22	Rises	11 50	15 13	58 26	
12	5	Rigel s. 7h. 35m	2	28	7 9	2 47	6	23	7 7	morn	14 13	38 17	
13	6	♀ sets 7h. 32m.	7	0	29 8 3	3 18	4	25	8 2	0 21	14 13	18 21	
14	7	♃ sets 11h. 16m	6	59	30 9 1	3 48	3	26	9 2	0 51	14 12	58 2	
15	D	Orion s. 8h. 2m	57	31	10 2	4 20	1	27	10 4	1 23	14 12	37 15	
16	2	♄♂♃	56	32	11 3	4 56	7	0	29 11 6	1 59	14 12	17 28	
17	3	Sirius s. 8h. 46	55	34	morn	5 37	6	59	30	morn	2 40	14 11	56 17
18	4	♄ sets 11h. 17m	54	35	0 5	6 27	57	31	0 9	3 30	14 11	35 24	
19	5	Castor s. 9h. 24	52	36	1 7	7 31	56	32	1 12	4 34	14 11	13 27	
20	6	Proc. s. 9h. 27m	51	37	2 8	8 56	54	34	2 13	5 59	14 10	52 21	
21	7	♄♂♃	50	38	3 6	10 29	53	35	3 11	7 52	14 10	30 13	
22	D	♃ rises 5h. 26 m.	48	39	3 59	11 46	51	36	4 1	8 49	14 10	8 20	
23	2	♀ sets 6h. 35m	47	40	4 48	0 46	50	37	4 52	9 49	14 9	46 23	
24	3	♃♂♃ [D in per	45	42	5 30	1 33	48	39	5 32	10 36	13 9	24 20	
25	4	♃ sets 10h. 41m	44	43	Sets	2 16	47	40	Sets	11 19	13 9	2 28	
26	5	♀♂♃♄ gt. n. l. s	42	44	6 11	2 54	45	41	6 11	11 57	13 8	39 20	
27	6	Rigel s. 6h. 36m	41	45	8 22	3 33	43	43	8 23	0 36	13 8	16 27	
28	7	♄♂♃ Sir. s. 8h	39	46	9 30	4 10	42	44	9 32	1 13	13 7	54 19	

Integrity.—Integrity is a great and commendable virtue. A man of integrity is a true man, a bold man, and a steady man; he is to be trusted and relied upon. No bribes can corrupt him, no fear daunt him; his word is slow in coming, but sure. He shines brightest in the fire, and his friend hears of him most, when he most needs him. His courage grows with danger, and conquers opposition by stanchancy; as he cannot be flattered or frightened into that he dislikes, so he hates flattery and temporizing in others. He runs

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
First Quarter,	4	5	31	A.	4	5	48	A.	4	4	55	A.
Full Moon.	12	9	48	A.	12	10	5	A.	12	9	12	A.
Last Quarter,	20	8	57	M.	20	9	14	M.	20	8	21	M.
New Moon,	27	0	50	M.	27	1	7	M.	27	0	14	M.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's lech. South.	D.
			Sun	Sun	Moon	High water Phil'a.	Sun	Sun	Moon	High water Bost'n		
			rises.	sets.	Sets.	H. M.	rises.	sets.	Sets.	H. M.		
1	D	Venus sets 6 12	6 38	5 47	10 35	4 50	6 40	5 45	10 40	1 53	13 7 31	8
2	2	♃♄♅♆♇♈♉♊♋♌♍♎♏♐♑♒♓	36	48	11 38	5 33	39	46	11 42	2 36	12 7 9	16
3	3	♃ sets 11h. 9m	35	49	morn	6 21	37	47	morn	3 24	12 6 46	28
4	4	♄ sets 10h. 25m	33	50	0 36	7 16	35	49	0 41	4 19	12 6 23	Π
5	5	♅ in Apogee.	32	52	1 29	8 29	34	50	1 34	5 32	12 6 0	23
6	6	♆ ris. 5h. 35m.	30	53	2 17	9 47	32	51	2 22	6 50	11 5 36	25
7	7	♇ Ori. so. 6h. 44m	29	54	2 59	10 54	30	52	3 4	7 57	11 4 50	39
8	D	Sir. S. 7h. 32m.	27	55	3 38	11 51	29	53	3 42	8 54	11 4 26	9
9	2	Procy. S. 8h. 21	26	56	4 15	morn	27	55	4 16	9 40	10 4 3	23
10	3	Castor S. 8h. 10	24	57	4 45	0 37	25	56	4 47	10 16	10 3 39	27
11	4	♁ rises 5h. 17	22	58	5 16	1 13	24	57	5 17	10 51	10 3 16	17
12	5	♂ sets 11h. 42	21	5 59	ris.	1 48	22	58	Rises	11 24	10 2 52	21
13	6	♄ sets 9h. 54m.	19	6 0	6 55	2 21	20	5 59	6 56	11 56	10 2 29	12
14	7	Ald. sets 11 33.	18	1	7 56	2 53	18	6 0	7 57	morn	9 2 5	25
15	D	♃ sets 11h. 1m.	16	2	8 57	3 23	17	1	9 0	2 1 3	9 1 41	29
16	2	♄ rises 5h. 3m.	15	3	9 58	4 0	15	3	10 2	1 3	9 1 18	21
17	3	♅ in ♄	13	4	11 1	4 38	13	4	11 5	1 41	9 0 54	17
18	4	♆♇♈	11	5	morn	5 20	11	5	morn	2 23	8 0 30	17
19	5	Sir. S. 6h. 49m.	10	6	0 1	6 10	10	6	0 7	3 13	8 0 17	15
20	6	♅ in perigee.	8	7	0 59	7 14	8	7	1 4	4 17	7 0 41	15
21	7	♆ Stationary.	6	8	1 51	8 37	6	8	1 57	5 40	7 0 17	15
22	D	♇ in perihelion.	5	9	2 40	10 9	5	10	2 44	7 12	7 0 41	15
23	2	♈ rises 4h. 24m.	3	10	3 24	11 26	3	11	3 27	8 29	7 1 4	14
24	3	♉♊♋♌♍♎♏♐♑♒♓	1	11	4 2	0 25	6 1	12	4 6	9 28	6 1 28	29
25	4	Proc. S. 7h. 18	0	12	4 40	1 12	5 59	13	4 41	10 15	6 1 52	28
26	5	♃ sets 10h. 54m	5 58	13	Sets	1 54	58	14	Sets	10 57	6 2 15	28
27	6	♄ sets 9h. 13m.	57	14	7 8	2 34	56	15	7 10	11 37	5 2 36	27
28	7	♅♆♇	55	15	8 16	3 11	54	16	8 19	0 14	5 3 2	27
29	D	♈♉♊♋♌♍♎♏♐♑♒♓	53	16	9 20	3 48	52	18	9 25	0 51	5 3 26	28
30	2	♋ gt. elong E.	52	17	10 22	4 27	51	19	10 26	1 30	5 3 49	23
31	3	♌♍♎♏♐♑♒♓	50	18	11 17	5 7	49	19	11 23	2 10	4 4 12	Π

with truth, and not with the times—with right, and not with might.—*William Penn's advice to his Children.*

By taking revenge, a man is but even with his enemy; but in passing it over he is superior.—*Lord Bacon.*

*Times of holding the QUARTERLY MEETINGS OF FRIENDS
of Philadelphia Yearly Meeting.*

Philadelphia Quarterly Meeting is held at the meeting-house on Mulberry Street, Philadelphia, on the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Abington Quarterly Meeting is held at Germantown, on the Fifth-day following the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Bucks Quarterly Meeting is held the last Fifth-day in the 2nd, 5th, 8th, and 11th months;—in the 2nd month at Buckingham; in the 5th and 11th at Falsington, and in the 8th at Middletown.

Concord Quarterly Meeting is held at Concord, on the Third-day following the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Caln Quarterly Meeting is held at East Caln, 3 miles west of Downingtown, on the Sixth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Western Quarterly Meeting is held at London Grove, old house, on the Sixth-day after the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Burlington Quarterly Meeting is held at Burlington, on the Third-day after the last Second-day in the 2nd, 5th, 8th, and 11th months, at 10, A. M.

Haddonfield Quarterly Meeting is held at Haddonfield, on the Fifth-day following the second Second-day in the 3rd—at Evesham, in the 6th—at Upper Evesham, in the 9th—and at Chester, in the 12th month, at 10 o'clock.

Salem Quarterly Meeting is held on the Fifth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months—at Salem in the 5th and 11th months—at Woodbury in the 2nd and 8th months; at 10 o'clock, in the 5th and 8th months; at 11 o'clock, in the 2nd and 11th months.

Shrewsbury and Rahway Quarterly Meeting is held the Fifth-day after the second First-day in the 2nd, 5th, 8th, and 11th months—at Plainfield, in the 2nd and 8th, and at Shrewsbury in the 5th and 11th months—all at 11, A. M., except that at Plainfield, in the 8th month, which is at 10, A. M.

When thy neighbour has taken displeasure at thy conduct, or when he has offended thee, thou oughtest to seek him with meekness, to speak kindly to him, with an heart filled with compassion, and of love; thus, according to the apostle's advice: "to overcome evil with good." And if it should be thy duty to lay his failings before him, be very careful not to make five wounds in endeavouring to cure one.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
First Quarter,	4	9	24 A.	4	9	41 A.	4	8	48 A.
Full Moon,	13	9	1 A.	12	9	18 A.	4	8	25 A.
Last Quarter,	20	10	51 A.	20	11	8 A.	20	10	15 A.
New Moon,	27	4	22 M.	27	4	39 M.	27	3	46 M.

D.	M.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State, & Michigan.				Sun Si.	Sun decl.	Moon alt.
			Sun		Moon		Sun		Moon				
			rises.	sets.	rises.	sets.	rises.	sets.	rises.	sets.			
1	5	♄ in ♍ in Per.	7 27	4 42	9 39	4 55	7 35	4 33	9 37	1 58	4	23	0 36
2	6	♄ sets 8h. 33m.	27	42	10 47	5 39	35	34	10 47	2 42	4	22	55 18
3	7	♄ great. H. L. N.	27	42	11 54	6 28	35	35	11 55	3 31	5	22	49 00
4	D	♄ south 5h. 35m	27	43	morn	7 26	35	35	morn	4 29	5	22	43 15
5	2	4 ♄ ♃. ♃s 7 12	27	44	0 58	8 35	35	36	1 00	5 38	6	22	36 28
6	3	♄ stationary.	27	45	2 0	9 55	35	37	2 4	6 58	6	22	29 8
7	4	♄ in ♍	27	46	3 0	11 4	35	39	3 4	8 7	7	22	22 23
8	5	Arietes s. 6h 45	27	47	3 57	morn	35	40	4 2	9 5	7	22	14 11
9	6	♄ sets 7h. 8m.	27	48	4 50	0 2	35	41	4 56	9 53	8	22	6 18
10	7	7 ^s s. sou. 8h. 16.	27	49	4 38	0 50	34	42	5 42	10 33	8	21	56 25
11	D	Sirius s. 11h 21	27	50	6 22	1 30	34	43	6 27	11 8	8	21	47 12
12	2	Ald. s. 8h. 57m	26	51	Rises	2 5	33	44	Rises	11 43	9	21	38 24
13	3	♄ sets 8h. 39m.	26	52	6 21	2 40	33	45	6 16	morn	9	21	28 8
14	4		26	53	7 17	3 11	33	46	7 13	0 14	9	21	17 17
15	5	♄ south 5h. 15m	25	54	8 14	3 42	32	48	8 12	0 45	10	21	6 29
16	6	Rigel s. 9h. 22.	25	55	9 11	4 14	32	49	9 9	1 17	10	20	55 00
17	7		24	56	10 8	4 47	31	50	10 8	1 50	10	20	43 23
18	D	♄ great. elon. w	24	58	11 9	5 22	31	51	11 8	2 25	11	20	31 20
19	2		23	59	morn	6 2	30	52	morn	3 5	11	20	18 18
20	3	♃ sou. 7h. 49m.	23	5	0 0	9 6 53	29	53	0 12	3 56	11	20	5 00
21	4	♃ □ ☉	22	1	1 13	8 1	29	54	1 16	5 4	12	19	52 14
22	5	Cap. s. 8h. 59m	21	2	2 16	9 24	28	56	2 21	6 27	12	19	39 27
23	6	♄ south 5h. 5m.	21	4	3 23	10 49	27	57	3 26	7 52	12	19	25 26
24	7	♄ sets 8h. 35m.	20	5	4 23	11 58	26	58	4 29	9 1	12	19	10 10
25	D	♄ ♄ ♃	20	6	5 22	1 1	26	5	0 5 27	10 4	13	18	56 00
26	2	♄ at great. bril.	19	7	Sets	1 50	25	1	Sets	10 53	13	18	41 26
27	3	♄ ♄ ♃	18	8	6 1	2 45	24	2	5 57	11 48	13	18	25 00
28	4	♄ sets 6h. 5m.	17	9	7 16	3 15	23	4	7 13	0 18	13	18	10 27
29	5	♀ ♄ ♃	16	11	8 27	3 54	22	5	8 27	0 57	13	17	52 00
30	6	Orion s. 9h. 4m	15	12	9 37	4 34	21	6	9 37	1 37	14	17	37 26
31	7	♄ ♄ ♃	15	13	10 44	5 14	20	8	10 47	2 17	14	17	20 00

A certain consequence of knowing a man's self truly, is a humble opinion of himself, and not being exalted with the commendations of other people.

He is the wise man who, though not skilled in science, knows how to govern his passions and affections.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
First Quarter,	5	9	51 A.	5	10	18 A.	5	9	15 A.
Full Moon,	13	1	42 A.	13	1	59 A.	13	1	6 A.
Last Quarter,	21	6	26 A.	21	6	43 A.	21	5	50 A.
New Moon,	28	5	51 A.	28	6	8 A.	28	5	15 A.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana:				Boston, N. England, N. York State and Michigan:				Sun's decl. South.	D ple						
			Sun	Sun	Moon	High water, Phila.	Sun	Sun	Moon	High water, Boston								
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.								
1	2	♀ sets 7h. 34m.	7	8	4 31	7	14	3 43	7	15	4 24	7	6	0 49	11	21	52	♂
2	3	♀ ♂ D. Ald. S.	9	31	8 26	4	28	16	23	8 19	1	34	10	22	10	22	18	♂
3	4	♂ ♂ D [11 49	10	30	9 36	5	12	17	23	9 31	2	18	10	23	10	23	18	♂
4	5	♂ south 6h. 29.	11	30	10 46	5	57	18	23	10 42	3	3	9	22	18	24	♂	
5	6	♂ south 9h. 17.	12	30	11 53	6	35	19	22	11 52	4	1	9	22	26	36	♂	
6	7	♂ ♂ D	13	30	morn	8	2	20	22	morn	5	8	9	22	33	22	♂	
7	E	♂ sets 9h. 2m.	14	30	0 58	9	16	22	22	0 58	6	22	8	22	40	18	♂	
8	2	Arie. S. 8h. 55.	15	30	2	10	30	23	22	2	3	7	36	8	22	47	18	
9	3	♂ ♂ D	16	30	3	6	11 35	24	22	3	9	8	41	7	23	52	♂	
10	4	♂ gr. elong. E.	17	30	4	6	morn	25	22	4	10	9	31	7	22	58	14	
11	5		18	30	5	6	0 25	26	22	5	11	10	14	6	23	3	26	
12	6		19	31	6	1	1	8	27	23	6	8	10	5	23	8	9	
13	7	♀ sets 8h. 6m.	20	31	Rises	1	47	27	23	Rises	1	30	5	23	12	21	♂	
14	E	♂ sets 8h. 37.	20	31	5 42	2	24	28	23	5 33	morn	5	23	15	26	♂		
15	2	♂ south 6h. 9.	21	31	6 35	2	59	29	23	6 29	0	5	4	23	18	15	♂	
16	3	D in apogee	21	32	7 32	3	32	29	24	7 26	0	38	4	23	21	27	♂	
17	4	♂ south 8h. 11.	22	32	8 28	4	6	30	24	8 23	1	12	3	23	23	♂		
18	5	♂ stationary	23	32	9 25	4	40	31	24	9 22	1	46	3	23	25	20	♂	
19	6	♀ ♂ ♀	23	32	10 22	5	14	31	24	10 19	2	20	2	23	26	17	♂	
20	7	♂ gr. elong. E.	23	33	11 19	5	51	31	25	11 18	2	57	2	23	27	14	♂	
21	E	♂ ☐ ☉ ☽ e. ♀	24	33	morn	6	36	31	26	morn	3	42	1	23	27	27	♂	
22	2	Ald. S. 10h 21m	24	34	0 16	7	31	32	27	0 10	4	37	1	23	27	22	♂	
23	3	♂ sets 8h. 6m.	25	34	1 21	8	40	32	27	1 22	5	46	0	23	27	22	♂	
24	4	♂ in peri. ♀ sets	25	35	2 24	10	1	23	27	2 26	7	7	sl.	23	26	17	♂	
25	5	[8h. 23m.	26	35	3 30	11	13	34	27	3 33	8	22	1	23	24	19	♂	
26	6	♂ stationary.	26	36	4 36	0	19	34	28	4 42	9	25	1	23	22	♂		
27	7	♂ in infe. ♂ ☽	26	37	5 42	1	13	34	29	5 47	10	19	2	23	19	18	♂	
28	E	♂ ♂ D. ♀ S. 5h	26	38	Sets	2	2	34	30	Sets	1	8	2	23	16	17	♂	
29	2	D in peri. [47m.	27	38	5 55	2	47	35	31	5 54	11	53	2	23	15	18	♂	
30	3	♂ south 7h. 19m	27	39	7 11	3	30	35	31	7 10	0	36	3	23	9	19	♂	
31	4	♀ ♂ D. ♀ ♂ D	27	40	8 24	4	11	35	32	8 26	1	17	3	23	5	18	♂	

In the ordering of human affairs, it is beautiful to see every man standing contentedly in his lot, and moving in the Divine fear and counsel, in performing the duties assigned him. While the mind is thus occupied, selfishness and self-consequence will disappear, and humility, true benevolence, and enlargement of understanding will be found in the place thereof.

he had believed to be inaccessible, appeared altogether vain, and he could not devise any way whereby he might be saved. When morning came, he arose and walked to and fro, still shut up in darkness and distress, striving, with all his might, to collect something, but could not, one single sentence. The time for the meeting to begin came, and he returned to the cave, where he found them assembled, and a table with a Bible on it, and a seat provided for him. Upon sitting down, they all continued, he believed, the space of half an hour in profound silence, when the exercise and anguish of his soul was as great as was possible for human nature to bear, without any way opening to address the people. At length these words came before him; "Verily there is a reward for the righteous—Verily there is a God that judgeth in the earth." With these words he arose, and having delivered them, some other pertinent matter presented, and so on from less to more, until his understanding became opened, and his heart enlarged, in a manner wonderful to himself, to treat on subjects suiting their condition,—such as the excellent rewards for the righteous—the just judgments of God awaiting the wicked; the necessity of repentance and amendment of life—the universality of the love of God to the children of men. This had such a powerful effect on the minds of these poor wicked wretches, that they were exceedingly broken into tenderness, weeping to such a degree that the floor was wet with their tears; and he no less astonished at the unbounded goodness, power and love of an Almighty Creator, in thus interfering for the saving of both his natural and spiritual life;—and well might he exclaim, "It was the Lord's doing, and marvellous in his eyes." Under an awful sense of the favour, his heart became filled with such thankful acknowledgments as were beyond the power of language to convey.

After the meeting ended, the poor creatures were very loving and affectionate, willing to show him all the kindness in their power. The next day they fitted out one of their vessels, and carried him whither he wished to go. From that time he became, and continues to be, an entirely changed man. From being an infidel, he has become a sincere believer in the efficacy and power of the unchangeable Truth, as it is in Jesus Christ, the Saviour of the world. He has since settled in the south of France. The Friend from whose lips this narrative was taken is still living; 1844.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
New Moon,	1	5	58	M.	1	6	15	M.	1	5	22	M.
First Quarter,	8	6	30	M.	8	6	47	M.	8	5	54	M.
Full Moon,	15	4	55	M.	15	5	12	M.	15	4	19	M.
Last Quarter,	23	3	13	M.	23	3	30	M.	23	2	47	M.
New Moon,	30	6	41	A.	30	6	58	A.	30	6	15	A.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉	Sun's decli.		☾	
			Sun	Sun	Moon	High water,	Sun	Sun	Moon	High water,		fst	South.		plc
			rises	sets.	sets.	Phil'a.	rises.	sets.	sets.	Bost'n		M.	H. M.		
1	4	♀ sets 7h. 6m.	6	1	5 38	sets.	2 10	6	2	5 37	Sets	11 16	10	3 19	♄
2	5	♂ S. 8h. 57m.	2	37	6 15	2 48		3	36	6 9	11 52	11	4 6	♁	
3	6	♀ ♂ ☽	3	35	6 53	3 23		4	34	6 46	0 29	11	4 6	♁	
4	7	Fomal. S. 10h. 1	4	34	7 39	4 2		5	32	7 31	1 8	11	4 29	♂	
5	E	♃ so. 1h. 32m.	5	32	8 29	4 46		6	31	8 20	1 52	12	4 52	♂	
6	2	7* 's r. 7h. 17	6	30	9 26	5 34		7	29	9 18	2 40	12	5 15	♂	
7	3	♃ south 7h. 54.	7	29	10 31	6 32		8	28	10 21	3 38	12	5 38	♂	
8	4	☽ in perigee.	8	27	11 37	7 42		10	25	11 30	4 48	12	6 1	♁	
9	5	An. sets 7h. 44	9	26	morn	9 7		11	24	morn	6 13	13	6 24	♁	
10	6	♃ ♂ ☽	10	24	0 47	10 24		12	22	0 41	7 30	13	6 47	♁	
11	7	♂ ♂ ☽	11	22	1 55	11 38		13	20	1 51	8 44	13	7 10	♁	
12	E	♂ south 8h. 26	12	21	3 3	morn		14	19	3 0	9 36	14	7 32	♁	
13	2	♀ sets 7h. 4m.	13	19	4 7	0 30		15	17	4 5	10 18	14	7 55	♁	
14	3		14	18	5 17	1 12		16	16	5 18	10 57	14	8 17	♁	
15	4	♃ south 7h. 23	15	17	Rises	1 51		18	14	Rises	11 34	14	8 39	♁	
16	5	♃ ♂ ☽	16	15	6 0	2 28		19	12	5 54	morn	14	9 1	♁	
17	6		17	14	6 43	3 3		20	11	6 37	0 9	15	9 23	♁	
18	7	♃ south 0h. 35.	18	12	7 27	3 40		21	9	7 17	0 46	15	9 45	♁	
19	E		19	11	8 14	4 16		22	8	8 6	1 22	15	10 7	♁	
20	2	♃ south 8h. 5m	21	9	9 6	4 55		24	6	8 56	2 1	15	10 29	♁	
21	3	♀ in Aphe. Ar. S	22	8	9 59	5 36		25	4	9 51	2 42	15	10 50	♁	
22	4	♃ in apo. [11 42	23	6	10 55	6 22		26	3	10 48	3 28	15	11 11	♁	
23	5	Arc. ri. 7h. 26	24	5	11 52	7 13		27	2	11 46	4 19	16	11 32	♁	
24	6	♀ sets 6h. 59m.	25	4	morn	8 19		29	0	morn	5 25	16	11 53	♁	
25	7		26	2	0 49	9 23		30	4	59	0 44	16	12 14	♁	
26	E	♀ in sup. ♂ ☽	27	1	1 47	10 35		31	57	1 43	7 41	16	12 35	♁	
27	2		28	0	2 48	11 36		32	56	2 46	8 42	16	12 55	♁	
28	3	♃ south 6h. 32	29	4	58	3 50	0 24	34	54	3 50	9 30	16	13 15	♁	
29	4	♃ ♂ ☽	30	57	4 53	1 7		35	53	4 54	10 13	16	13 35	♁	
30	5	☽ eclip. invis.	32	56	Sets	1 47		36	52	Sets	10 53	16	13 55	♁	
31	6	♃ south 11h. 29	33	55	5 32	2 28		37	50	5 25	11 34	16	14 14	♁	

gion; and by their lewdness, they teach vice, and are apt to infect the minds of men, and dispose them to lewd and dissolute practices."

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
First Quarter,	6	1	14	A.	6	1	31	A.	6	0	38	A.
Full Moon.	13	7	54	A.	13	8	11	A.	13	7	18	A.
Last Quarter,	21	11	25	A.	21	11	42	A.	21	10	49	A.
New Moon,	29	6	40	M.	29	6	57	M.	29	6	4	M.

Phila. Penna. N. Jersey, Ohio and Indiana. Boston, N. England, N. York State and Michigan.

D. M.	D. W.	REMARKS.	Phila.				Boston.				Sun's decli.		D
			Sun rises.	Sun sets.	Moon sets.	High water, Phila.	Sun rises.	Sun sets.	Moon sets.	High water, Bost'n	fst	South	
1	7	♀ sets 7h. 3m.	6 34	4 54	6 23	3 10	6 39	4 49	6 13	0 16	16 14	34	↑
2	E	♂ ♀ D. h.	35	52	7 19	3 53	40	57	7 11	0 59	16 14	53	16
3	2	☽ in perigee	36	51	8 23	4 38	41	46	8 13	1 44	16 15	12	15
4	3	♂ ♀ ☽ Ari. S.	37	50	9 30	5 26	42	45	9 23	2 32	16 15	30	15
5	4	[11h. 17m.	39	49	10 39	6 19	44	44	10 31	3 25	16 15	48	29
6	5	♂ ♀ ☽	40	48	11 47	7 23	45	43	11 43	4 29	16 16	6	27
7	6	♂ south 7h. 20.	41	47	morn	8 37	46	42	morn	5 43	16 16	24	27
8	7	♂ ♀ ☽	42	46	0 54	9 56	47	41	0 51	7 2	16 16	42	28
9	E	♂ south 10. 53.	43	45	2 0	11 5	49	39	1 58	8 11	16 16	59	28
10	2	♂ in aphelion	44	44	3 6	morn	50	38	3 6	9 8	16 17	16	28
11	3	7's S. Oh. 32m	45	43	4 10	0 2	51	37	4 11	9 55	16 17	32	21
12	4	♂ ♀ D. ♀ g.h.l.s.	46	42	5 13	0 49	52	36	5 15	10 35	16 17	49	8
13	5	☽ eclipsed vis.	48	41	6 19	1 29	54	35	6 22	11 13	15 18	5	17
14	6	♀ sets 7h. 17m	49	40	Rises	2 7	55	34	Rises	11 50	15 18	21	17
15	7	♂ sets 10h. 21.	50	39	6 16	2 44	56	33	6 8	morn	15 18	36	12
16	E	♂ south 7h. 4m.	51	39	6 57	3 20	58	32	6 49	0 26	15 18	51	24
17	2		52	38	7 49	3 55	59	31	7 41	1 1	15 19	6	25
18	3	♂ south 10h 13.	54	37	8 44	4 30	0	31	8 36	1 36	15 19	20	18
19	4	☽ in apogee	55	36	9 41	5 7	1	30	9 33	2 13	14 19	34	18
20	5		56	36	10 36	5 47	3	29	10 31	2 53	14 19	48	12
21	6	Fom. S. 6h. 52.	57	35	11 34	6 30	4	28	11 30	3 36	14 20	1	24
22	7	♂ south 6h. 52.	58	34	morn	7 23	5	28	morn	4 29	14 20	14	18
23	E	Lyra S. 9h. 14	6 59	34	0 32	8 32	6	27	0 29	5 38	13 20	26	18
24	2		7 1	33	1 32	9 37	7	27	1 31	6 43	13 20	39	14
25	3	♀ sets 7h. 35m.	2	33	2 34	10 41	8	26	2 34	7 52	13 20	50	14
26	4	♂ sets 9h. 41m.	3	32	3 40	11 49	10	25	3 41	8 55	12 21	2	27
27	5	Sirius ris. 9h 19	4	32	4 46	0 53	11	25	4 49	9 57	12 21	13	m
28	6	♂ south 9h. 30.	5	32	5 54	1 29	12	25	5 57	10 35	12 21	24	25
29	7		6	31	Sets	2 15	13	24	Sets	11 21	11 21	34	↑
30	E	♂ ♀ ☽	7	31	6 8	2 59	14	24	5 58	1 5	11 21	44	25

PRIDE, pleasure, and unrighteous gain, are baits that have caught many; all which, with many other things, we must deny, and turn from, if we will be followers of Christ in a righteous life: and by such denials we shall find the root of iniquity wither, and grace grow; sinful motions will diminish, and heavenly desires increase; the small seed will become the tallest of herbs; and the lump come to be one in nature with the leaven.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
New Moon,	3	2	24 M.	3	2	41 M.	3	1	48 M.
First Quarter,	10	5	40 A.	10	5	57 A.	10	5	4 A.
Full Moon,	17	8	17 M.	17	8	34 M.	17	7	41 M.
Last Quarter,	24	1	26 A.	24	1	43 A.	24	0	50 A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan				Sun's decli. \odot													
			Sun	Sun	Moon	High	Sun	Sun	Moon	High	Si.	North.	ple											
			rises	sets.	rises.	water. Phila.	rises	sets.	rises.	water Bost'n	M.	H.	M.											
1	6	\mathcal{M} \square \odot	5	3	7	9	3	30	1	16	4	57	7	15	3	23	10	22	6	17	58	$\overline{\text{E}}$		
2	7	\odot sets 8h. 14m.	4	8	8	8	1	52	58	14	8	10	58	6	17	42	9	17	42	6	17	42	\mathcal{Q}	
3	E	\odot in \mathcal{S}	5	7	7	7	5	2	25	59	15	7	6	11	31	6	17	26	16	17	26	16	16	
4	2	\odot δ \mathcal{D}	6	6	7	35	2	57	5	0	11	7	36	0	3	6	17	10	28	17	10	28	28	
5	3	\mathcal{S} rises 8h. 18m	7	5	8	3	3	29	1	10	8	3	0	35	6	16	54	\mathcal{M}	16	54	16	54	\mathcal{M}	
6	4	Lyra S. 9h. 26m	8	4	8	32	4	1	2	9	8	30	1	7	6	16	38	23	16	38	23	23	23	
7	5	\mathcal{S} great. N. L. S.	9	2	9	3	4	36	3	8	9	0	1	42	5	16	21	\mathcal{E}	16	21	16	21	\mathcal{E}	
8	6	\mathcal{S} \mathcal{S}	10	1	9	35	5	13	4	6	9	30	2	19	5	16	4	18	16	4	18	18	18	
9	7	\mathcal{M} rises 10h. 31	10	7	0	10	11	5	58	5	5	10	05	3	4	5	15	47	\mathcal{M}	15	47	15	47	\mathcal{M}
10	E	\mathcal{S} S. 11h. 55m.	11	6	59	10	53	6	54	6	4	10	46	4	0	5	15	29	15	29	15	29	15	15
11	2	Reg. sets 7h. 18	12	58	11	42	8	12	8	2	11	34	5	18	5	15	12	29	29	12	29	29	29	
12	3		13	56	morn	9	45	9	1	morn	6	51	5	14	54	14	54	14	54	14	54	14	54	14
13	4	\odot in aphelion.	14	55	0	39	11	11	10	0	0	32	8	17	5	14	35	27	14	35	27	27	27	
14	5	\mathcal{D} in perigee \odot	15	54	1	43	morn	11	6	58	1	34	9	25	4	14	17	17	14	17	17	17	17	17
15	6	[sets 8h. 12	16	52	2	53	0	19	12	57	2	45	10	17	4	13	58	26	13	58	26	26	26	
16	7		17	51	4	7	1	11	13	55	3	59	11	1	4	13	39	25	13	39	25	25	25	
17	E	\mathcal{S} δ \mathcal{D}	18	50	Rises	1	55	14	54	Rises	11	42	4	13	20	25	25	13	20	25	25	25	25	
18	2	\mathcal{S} δ \mathcal{D}	19	48	7	15	2	36	15	52	7	14	morn	4	13	1	38	25	13	1	38	25	25	
19	3	\mathcal{S} \mathcal{S} \odot \mathcal{S} δ \odot	20	47	7	50	3	13	16	51	7	47	0	19	4	12	41	25	12	41	25	25	25	
20	4	\mathcal{S} rises 8h. 14m	21	45	8	22	3	50	17	49	8	18	0	56	3	12	21	25	12	21	25	25	25	
21	5	\mathcal{M} rises 9h. 49m.	22	44	8	56	4	26	18	48	8	50	1	32	3	12	1	23	12	1	23	23	23	
22	6	Atair. S. 10h. 15	25	43	9	33	5	4	19	46	9	26	2	10	3	11	41	19	11	41	19	19	19	
23	7	\mathcal{M} δ \mathcal{D}	24	41	10	12	5	49	20	45	10	4	2	55	2	11	21	19	11	21	19	19	19	
24	E	Sir. rises 4h. 1m	25	40	10	53	6	38	21	43	10	44	3	44	2	11	0	19	11	0	19	19	19	
25	2	Lyra S. 8h. 16m	26	38	11	40	7	38	22	41	11	31	4	44	2	10	40	13	10	40	13	13	13	
26	3	\mathcal{S} S. 10h. 51m.	26	37	morn	8	51	23	40	morn	5	57	2	10	19	25	19	25	19	25	19	25	25	
27	4		27	35	0	29	10	9	24	38	0	21	7	15	1	9	58	18	9	58	18	18	18	
28	5	\mathcal{D} in apogee	28	34	1	24	11	4	25	37	1	17	8	20	1	9	37	18	9	37	18	18	18	
29	6	\odot sets 7h. 46m.	29	32	2	18	0	6	26	35	2	12	9	12	1	9	15	18	9	15	18	18	18	
30	7	Fomal. S. 0h 12	30	31	3	16	0	48	28	33	3	10	9	54	0	8	54	13	8	54	13	13	13	
31	E	\mathcal{S} in perihelion.	31	29	4	14	1	26	29	31	4	10	10	32	0	8	32	25	8	32	25	25	25	

any good; or Christ's righteousness will profit us nothing. It was after this manner that he was made, to the primitive Christians, righteousness, sanctification, justification and redemption; and if ever you will have the comfort, kernel and marrow of the Christian religion, thus you must come to learn and obtain it.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
New Moon,	1	4	34	A.	1	4	51	A.	1	3	58	A.
First Quarter,	9	0	23	M.	9	0	40	M.	8	11	47	A.
Full Moon,	15	5	13	A.	15	5	30	A.	15	4	37	A.
Last Quarter,	23	7	25	M.	23	7	42	M.	23	6	49	M.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State, and Michigan.				Sun's decl. North.	M. M.	P. C.
			Sun rises.	Sun sets.	Moon sets.	High water Phila.	Sun rises.	Sun sets.	Moon sets.	High water, Bos'n			
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.			
1	2	☽ sets 7h. 39m.	5 32	6 27	Sets 2 0	5 30	6 30	Sets 11 6	0	8 10	☾		
2	3	☽ south 10h. 57	33	26	6 36	2 33	5 31	28	6 35	11 39	1	7 48	19
3	4	☽ ☽ ☽	34	24	7 6	3 5	32	26	7 3	0 11	1	7 26	☽
4	5	☽ ☽ ☽	35	23	7 37	3 39	33	25	7 33	0 45	1	7 4	15
5	6	☽ rises 8h. 47	36	21	8 14	4 15	34	23	8 8	1 21	2	6 42	28
6	7	☽ Lyra S. 7h. 30m	37	20	8 53	4 55	35	21	8 47	2 1	2	6 20	☾
7	E	☽	38	18	9 41	5 43	36	20	9 31	2 49	2	5 57	25
8	2	☽ south 9h. 53	39	16	10 34	6 41	37	18	10 24	3 47	3	5 35	☽
9	3		40	14	11 33	7 57	38	16	11 23	5 3	3	5 12	23
10	4	Atair S. 8h. 27	41	13	morn	9 29	39	14	morn	6 35	3	4 49	☽
11	5	☽ in infer. ☽ ☽	42	11	0 38	10 53	40	13	0 31	7 59	4	4 26	21
12	6	☽ in perigee.	42	10	1 47	morn	41	11	1 40	9 6	4	4 3	☽
13	7	☽ ☽ ☽	43	8	2 57	0 0	42	9	2 52	9 59	4	3 40	20
14	E	☽ sets 7h. 23m.	44	6	4 9	0 53	43	7	4 5	10 41	5	3 17	☽
15	2	☽ south 9h. 59.	45	5	Rises	1 35	44	6	Rises	11 20	5	2 54	19
16	3		46	3	6 19	2 14	45	4	6 16	11 57	5	2 31	☽
17	4	☽ in ☽	47	1	6 52	2 51	46	2	6 47	morn	6	2 8	18
18	5	☽'s rise 8h. 14.	48	0	7 28	3 26	48	0	7 21	0 32	6	1 45	☽
19	6	☽ stationary	49	5 58	8 07	4 2	49	5 58	7 59	1 8	6	1 21	14
20	7	☽ rises 7h. 46m	50	56	8 49	4 40	50	57	8 40	1 46	7	0 58	26
21	E		51	55	9 33	5 20	51	55	9 25	2 26	7	0 35	☽
22	2	☽ in ☽	52	53	10 23	6 3	52	53	10 14	3 10	7	0 11	21
23	3	☽ in autumn	53	51	11 15	6 58	53	51	11 7	4 4	8	south	☽
24	4	☽ in apo. [com.	54	50	morn	8 5	54	50	morn	5 11	8	0 36	14
25	5	☽ south 8h. 45.	55	48	0 9	9 15	55	48	0 3	6 21	8	0 59	26
26	6	☽ sets 7h. 40m.	56	47	1 5	10 27	56	46	1 0	7 33	9	1 22	☽
27	7	☽ south 9h. 14.	57	45	2 4	11 28	57	44	2 0	8 34	9	1 46	20
28	E	☽ Fom. 10h. 24.	58	43	3 01	0 15	58	43	2 58	9 21	9	2 9	☽
29	2		59	42	4 01	0 56	59	41	3 58	10 2	10	2 33	15
30	3	☽ rises 7h. 5m	6 0	40	5 4	1 34	6 0	39	5 3	10 40	10	2 56	28

ARCHBISHOP TILLOTSON, on the subject of plays, says, —
 "They are intolerable, and not fit to be permitted in a civilized, much less a Christian nation. They do most notoriously minister to vice and infidelity. By their profaneness, they are apt to instil bad principles into the minds of men, and to lessen that awe and reverence which all men ought to have of the Almighty and reli-

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
New Moon,	4	8	7	A.	4	8	24	A.	4	7	31	A.
First Quarter,	12	10	42	A.	12	10	59	A.	12	10	6	A.
Full Moon,	19	6	17	A.	19	6	34	A.	19	5	41	A.
Last Quarter,	26	9	26	M.	26	9	43	M.	26	8	50	M.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉	Sun's decl. fat	☾ North ple
			Sun rises	Sun sets	Moon rises	High water, Phila.	Sun rises	Sun sets	Moon rises	High water, Boston			
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.			
1	E	☾ h δ	4 38	7 17	2 20	11 55	4 31	7 24	2 14	9 1	2 22	6 8	
2	2	☽ sets 7h. 40m	37	18	2 54	0 42	30	25	2 47	9 48	2 22	14 16	
3	3	☽ rises 11h. 38.	37	18	3 36	1 22	30	26	3 26	10 28	2 22	22 28	
4	4	☽ gre. elong w.	37	19	Sets	1 58	29	27	Sets	11 4	2 22	29 Π	
5	5	☽ δ ☽	37	20	8 0	2 37	29	27	8 5	11 43	2 22	36 22	
6	6	☽ in apogee,	36	20	8 39	3 9	29	28	8 43	0 15	2 22	42 ☽	
7	7	Spica S. 8h. 12	36	21	9 21	3 51	28	29	9 24	0 57	1 22	48 16	
8	E	☽ rises 2h. 14m	36	21	9 56	4 16	28	29	9 59	1 22	1 22	53 28	
9	2		36	22	10 28	4 52	28	30	10 29	1 58	1 22	58 ☽	
10	3	☽ rises 11h. 8m	36	23	10 57	5 23	28	30	10 57	2 35	1 23	3 21	
11	4	Arc. S. 8h. 48m	36	23	11 26	6 8	28	31	11 25	3 14	1 23	7 ☽	
12	5	☽ sets 7h. 59m.	35	24	11 55	6 58	28	31	11 53	4 4	0 23	11 16	
13	6		35	24	morn	8 2	27	32	morn	5 8	0 23	14 29	
14	7		35	25	0 26	9 16	27	32	0 22	6 22	sl. 23	18 ☽	
15	E	☽ rises 11h. 15.	35	25	0 58	10 35	27	33	0 55	7 41	0 23	20 26	
16	2		36	25	1 35	11 46	28	33	1 29	8 52	0 23	22 ☽	
17	3	Ant. S. 10h. 33.	36	26	2 19	morn	28	33	2 14	9 51	1 23	24 24	
18	4	☽ rises 1h. 40m	36	26	3 10	0 45	28	34	3 2	10 43	1 23	25 ☽	
19	5		36	26	Rises	1 37	28	34	(rises	11 30	1 23	27 24	
20	6	☽ in perigee,	36	26	8 12	2 24	28	35	8 16	morn	1 23	27 ☽	
21	7	☽ en. ☽ sum.	36	27	9 59	3 9	28	35	9 2	0 15	1 23	27 24	
22	E	☽ h δ ☽ [com.	37	27	9 39	3 52	29	35	9 40	0 58	2 23	27 ☽	
23	2	☽ δ ☽	37	27	10 15	4 34	29	35	10 15	1 40	2 23	27 24	
24	3		37	27	10 48	5 16	29	35	10 47	2 22	2 23	26 ☽	
25	4	☽ sets 8h. 16m.	38	27	11 20	6 0	30	35	11 17	3 6	2 23	24 22	
26	5	☽ in ☽	38	27	11 52	6 52	30	35	11 47	3 58	2 23	22 ☽	
27	6	☽ rises 10h. 42.	39	27	morn	7 56	31	35	morn	4 2	3 23	19 18	
28	7	☽ rises 1h. 6m.	39	27	0 23	9 6	31	35	0 17	6 12	3 23	17 ☽	
29	E		39	27	0 56	10 20	31	35	0 48	7 26	3 23	14 13	
30	2	☽ in perihelion	39	27	1 33	11 24	31	35	1 25	8 31	3 23	10 25	

we lie, and do not the truth." That is, if we go on in a sinful way, are captivated by our carnal affections, and are not converted to God, we walk in darkness, and cannot possibly, in that state, have any fellowship with God. Christ clothes them with his righteousness, that receive his grace in their hearts, and deny themselves, and take up his cross daily, and follow him. Christ's

SEVENTH MONTH.

1845.

MOON'S PHASES.

	<i>Philadelphia.</i>				<i>Boston.</i>				<i>Cincinnati.</i>			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
New Moon,	4	11	29	<i>M.</i>	4	11	46	<i>M.</i>	4	10	53	<i>M.</i>
First Quarter,	12	9	21	<i>M.</i>	12	9	38	<i>M.</i>	12	8	45	<i>M.</i>
Full Moon,	19	1	2	<i>M.</i>	19	1	19	<i>M.</i>	19	0	36	<i>M.</i>
Last Quarter,	25	10	19	<i>A.</i>	25	10	36	<i>A.</i>	25	9	43	<i>A.</i>

Phila. Penna. N. Jersey, Ohio and Indiana.

Boston, N. England, N. York State, and Michigan

D.M.	D.W	REMARKS.	<i>Phila. Penna. N. Jersey, Ohio and Indiana.</i>				<i>Boston, N. England, N. York State, and Michigan</i>				Sun's decl. North	D	
			Sun rises.	Sun sets.	Moon rises.	High water, Phila.	Sun rises.	Sun sets.	Moon rises.	High water, Boston			
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	
1	3	☾ sets 8h. 21m.	4 40	7 27	2 13	0 16	4 32	7 35	2 5	9 22	3 23	6	Π
2	4	☽ in apogee.	40	27	2 59	1 0	32	35	2 51	10 6	4 23	2	19
3	5	☽ rises 10h. 20.	41	27	3 47	1 39	33	35	3 39	10 43	4 22	57	25
4	6	☾ in apogee	41	27	Sets	2 15	33	35	Sets	11 21	4 22	52	13
5	7	☽ in sup. ☽ ☽ ☽	42	26	7 58	2 49	34	34	8 2	11 55	4 22	47	25
6	E	Ant. S 9 15 ☽ ☽	42	26	8 30	3 21	35	34	8 33	0 27	4 22	41	9
7	2	☽ rises 10h. 33m.	43	26	9 1	3 53	36	33	9 3	0 59	5 22	34	19
8	3		44	26	9 31	4 25	36	36	9 31	1 31	5 22	27	17
9	4	☽ rises 9h. 7m.	44	26	9 59	4 59	37	33	9 58	2 5	5 22	20	13
10	5		45	25	10 27	5 58	38	32	10 25	2 44	5 22	13	25
11	6		46	24	10 59	6 23	38	32	10 56	3 29	5 22	5	2
12	7	☽ sets 8h. 24m.	46	24	11 32	7 20	39	32	11 27	4 26	5 21	57	21
13	E	Ant. S. 8h. 47m	47	24	morn	8 36	40	31	morn	5 42	5 21	48	17
14	2		48	23	0 12	10 6	41	30	0 5	7 12	6 21	39	19
15	3	Lyra S. 10h. 50	49	23	0 58	11 26	41	30	0 51	8 31	6 21	30	7
16	4	☽ rises 9h. 36m	49	22	1 52	morn	42	29	1 42	9 39	6 21	20	18
17	5		50	21	2 56	0 33	43	28	2 46	10 31	6 21	10	18
18	6	☽ in perigee.	51	21	4 4	1 25	44	28	3 55	11 19	6 21	0	18
19	7		52	20	Rises	2 13	45	27	Rises	morn	6 20	49	17
20	E	☽ stat. ½ ☽ ☽	52	20	8 11	2 54	46	26	8 12	0 0	6 20	37	18
21	2	☽ ☽ ☽	53	19	8 47	3 34	47	25	8 46	0 40	6 20	26	17
22	3	☽ great. R. L. N.	54	18	9 22	4 12	47	25	9 19	1 18	6 20	14	17
23	4	Atair. S. 11h. 29	55	17	9 51	4 47	48	24	9 47	1 53	6 20	2	17
24	5	☽ ☽ ☽	56	16	10 23	5 32	49	23	10 18	2 38	6 19	49	15
25	6	☽ sets 8h. 20m.	57	16	10 58	6 18	50	22	10 50	3 24	6 19	36	28
26	7	☽ ☽ ☽	58	15	11 33	7 10	51	21	11 26	4 16	6 19	23	22
27	E		58	14	morn	8 21	52	20	morn	5 27	6 19	10	22
28	2	☽ rises 11h. 15.	59	13	0 14	9 39	53	19	0 4	6 45	6 18	56	16
29	3	☽ rises 8h. 46m	5 0	12	0 57	10 49	54	18	0 3	7 55	6 18	42	16
30	4		1	11	1 46	11 49	55	17	1 35	8 55	6 18	27	28
31	5	☽ in apogee.	2	10	2 35	1 16	56	16	2 27	10 22	6 18	13	9

righteousness makes men inwardly holy; of holy minds, wills and practices. It is not the less Christ's, because we have it; for it is ours, not by nature, but by faith and adoption. It is the gift of God. But still, though not ours, as of or from ourselves, (for in that sense it is Christ's, for it is of and from him,) yet it is ours, and must be ours in possession, efficacy and enjoyment, to do us

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
New Moon,	6	1	39	A.	6	1	56	A.	6	1	3	A.
First Quarter,	14	4	22	A.	14	4	39	A.	14	3	46	A.
Full Moon,	22	2	11	M.	22	2	28	M.	22	1	35	M.
Last Quarter,	28	6	19	A.	28	6	36	A.	28	5	43	A.

D.M.	D.W.	REMARKS.	Phila Penna. N. Jersey. Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decli. North		
			Sun	Sun	Moon	High water	Sun	Sun	Moon	High water	Si.	North	ple
			rises.	sets.	rises.	Phil'a.	rises.	sets.	rises.	Bost'n	m.	n.	m.
1	3	☽ rises 5h. 29m	5 48	6 20	2 28	9 56	5 47	6 21	2 32	7 1	4	4 41	☾
2	4	☽ gr. n. l. s. ½	46	20	3 6	11 9	45	22	3 8	8 15	4	5 4	☾
3	5	☽ ri. 1 46 [☽]	45	22	3 38	0 6	43	23	3 39	9 12	3	5 27	☾
4	6	☽ in perihelion	43	23	4 10	0 51	42	24	4 9	9 57	3	5 50	☾
5	7	☽ ☽ ☽	42	24	4 41	1 31	40	25	4 39	10 37	3	6 14	☾
6	E	☽ ☽ ☽	40	24	Sets	2 6	38	26	Sets	11 12	2	6 36	☾
7	2	☽ sets 5h. 23m.	39	25	7 43	2 42	37	27	7 47	11 48	2	6 58	☾
8	3	Reg. S. 8h. 51m	37	26	8 43	3 16	35	29	8 47	0 22	2	7 21	☾
9	4	☽ ☽ ☽	35	28	9 39	3 57	33	30	9 45	0 57	2	7 43	☾
10	5		34	29	10 33	4 26	32	31	10 39	1 32	1	8 5	☾
11	6	☽ rises 1h. 34m	33	30	11 22	5 4	30	32	11 28	2 10	1	8 27	☾
12	7	☽ in apogee	31	31	morn	5 48	28	33	morn	2 54	1	8 49	☾
13	E		29	32	0 7	6 36	27	34	0 13	3 42	0	9 11	☾
14	2	☽ rises 5h. 16m.	27	33	0 46	7 32	25	36	0 51	4 38	0	9 32	☾
15	3		26	34	1 21	8 40	23	37	1 26	5 46	fst	9 54	☾
16	4		25	35	1 55	9 53	22	38	1 58	6 59	0	10 15	☾
17	5	☽ gr. elong. E	23	35	2 26	10 58	20	39	2 29	8 4	0	10 36	☾
18	6		22	37	2 57	11 54	19	40	2 57	9 0	1	10 57	☾
19	7	☽ rises 2h. 40m	20	38	3 27	morn	17	41	3 26	9 48	1	11 18	☾
20	E	☽ rises 4h. 59m	19	39	3 59	0 42	16	42	3 55	10 30	1	11 39	☾
21	2		18	40	4 33	1 24	14	43	4 29	11 12	1	11 59	☾
22	3	Sirius sets 9h 49	16	41	Rises	2 6	12	44	Rises	11 55	2	12 19	☾
23	4	Spica S. 11h 8	15	42	8 41	2 47	11	45	8 46	morn	2	12 39	☾
24	5	☽ in perigee	13	43	9 50	3 30	9	47	9 57	0 36	2	12 59	☾
25	6	☽ rises 5h. 5m.	12	44	10 50	4 13	8	48	10 56	1 27	2	13 18	☾
26	7	☽ rises 1h. 18m	11	44	11 44	5 1	6	49	11 49	2 7	2	13 38	☾
27	E		10	45	morn	5 53	5	50	morn	2 59	2	13 57	☾
28	2	☽ ☽ ☽	8	46	0 27	6 41	4	51	0 31	3 58	3	14 16	☾
29	3	Ali. S. 8h. 13m.	7	47	1 6	8 5	2	52	1 9	5 11	3	14 35	☾
30	4	Lyra r. 7h. 38m.	6	49	1 41	9 23	1	53	1 42	6 29	3	14 53	☾

Permanent and unbroken rest is not to be expected on the road, but at the end of the journey of life.

Men often submit to improprieties, for want of firmness to withstand and expose them; and so pass for parties, to what they secretly disapprove.

The desire to be thought humble, is a sure evidence of the want of humility.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		D.	H.	M.	
New Moon,	6	4	56	M.	6	5	13	M.	6	4	20	M.
First Quarter,	14	9	7	M.	14	9	24	M.	14	8	31	M.
Full Moon,	21	10	57	M.	21	11	14	M.	21	9	21	M.
Last Quarter,	28	1	24	M.	28	1	41	M.	28	0	48	M.

D.M.	D.W	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉	Sun's decli.		☾		
			Sun	Sun	Moon	High water,	Sun	Sun	Moon	High water		lat.	North		plc	
			rises	sets.	rises.	Phila.	rises	sets.	rises.	Bost'n.		☉	H.		M.	
1	5	☿ rises 4h. 23m	5	4	6 50	2 14	10 35	5	0	6 54	2 14	7 41	3	15	11	☿
2	6	♀ rises 4h. 59m	3	51	2 41	11 37	4 58	55	2 40	8 43	3	15	29	29		
3	7	♄ rises 0h. 54m	2	51	3 13	0 25	57	56	3 10	9 31	3	15	44	9		
4	E	♃ ☽ ☾	1	52	3 44	1 5	56	57	3 40	10 11	3	16	4	24		
5	2	☾ eclipsed.	0	54	sets	1 43	54	59	Sets	10 49	3	16	22	8		
6	3	♀ ☽ ☾	4	59	55	7 29	2 19	53	7	0	7 34	11 25	4	16	38	19
7	4	Lyra S. 10h. 20	57	56	8 25	2 55	52	1	8 31	0 00	4	16	55	11		
8	5	♃ transit ☉ visi.	56	57	9 16	3 30	51	2	9 22	0 36	4	17	11	13		
9	6	♃ ☉ ♃ ♃ ♃ ♃	55	58	10 2	4 4	49	3	10 8	1 10	4	17	27	25		
10	7	☾ in apogee	54	58	10 44	4 41	48	4	10 49	1 47	4	17	43	26		
11	E		53	59	11 21	5 19	47	5	11 25	2 25	4	17	58	19		
12	2	♄ rises 0h. 36m.	52	7	0 11 54	5 59	46	6	11 57	3 5	4	18	14	9		
13	3	♃ rises 0h. 59m.	51	1	morn	6 48	45	7	morn	3 54	4	18	28	13		
14	4		50	2	0 26	7 45	44	8	0 28	4 51	4	18	43	25		
15	5	♀ in sup. ☽ ☉	49	3	0 56	8 53	43	9	0 57	5 59	4	18	57	22		
16	6	Arct. S. 10h. 32	48	4	1 24	10 8	42	10	1 24	7 14	4	19	11	20		
17	7		48	5	2 1	11 15	41	11	2 1	8 21	4	19	25	21		
18	E	♃ rises 3h. 25m	47	6	2 28	morn	40	12	2 26	9 18	4	19	38	17		
19	2	Ali. s. 9h. 0m.	46	7	3 5	0 12	39	13	3 0	10 8	4	19	51	14		
20	3	Sir. sets 7h. 47	45	8	3 46	1 2	38	14	3 38	10 55	4	20	3	16		
21	4	☾ eclipsed,	44	9	Rises	1 49	37	15	Rises	11 41	4	20	15	7		
22	5	☾ in perigee,	44	9	8 36	2 35	37	16	8 42	morn	4	20	27	16		
23	6		43	10	9 34	3 20	36	17	9 40	0 26	4	20	39	15		
24	7	♀ sets 7h. 24m.	42	11	10 23	4 5	35	18	10 27	1 11	3	20	50	16		
25	E		41	12	11 4	4 50	34	19	11 11	1 56	3	21	1	22		
26	2	♃ ♃ ☾	41	12	11 43	5 38	34	19	11 45	2 44	3	21	11	15		
27	3		40	13	morn	6 29	33	20	morn	3 35	3	21	21	29		
28	4	♀ in ♋	40	14	0 16	7 30	33	21	0 16	4 36	3	21	31	28		
29	5	♃ stationary	39	15	0 46	8 39	32	22	0 45	5 45	3	21	41	26		
30	6	♄ rises 0h. 16m	39	15	1 17	9 53	31	23	1 41	6 59	3	21	50	24		
31	7		38	16	1 47	10 58	31	24	1 43	8 4	3	21	59	22		

Christ's Righteousness.—Have a care how you presume to rely upon such a notion, as that you are in Christ, whilst in your old fallen nature. For what communion hath light with darkness, or Christ with Belial? Hear what the beloved disciple tells you: "If we say we have fellowship with God, and walk in darkness,

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
New Moon.	6	1	34 A.	6	1	51 A.	6	0	58 A.
First Quarter,	13	11	59 A.	14	0	16 M.	6	11	23 A.
Full Moon,	22	1	45 M.	22	2	2 M.	6	1	9 M.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State & Michigan.				Sun's		D										
			Sun	Sun	Moon	High	Sun	Sun	Moon	High	☉	Sun's											
			rises.	sets.	rises.	water	rises.	sets.	rises.	water	Sl.	decli.											
1	7	♂ ♂ ♀ ♀ r. 5h.	7	14	5	14	2	11	8	53	7	19	5	9	2	15	5	59	14	17	0	♄	
2	E	♂ ♂ ♀ [47m.	12	16	3	14	10	28	17	11	3	20	7	34	14	16	42	18					
3	2	♄ in perihelion.	11	17	4	15	11	47	16	12	4	20	8	53	14	16	24	♃					
4	3	♄ in perigee.	10	18	5	7	0	46	15	13	5	12	9	52	14	16	6	17					
5	4	♂ ♂ ♀	9	19	5	54	1	34	14	15	5	57	10	40	14	15	48	♃					
6	5	♄ sets 9h. 8m.	8	20	Sets		2	16	13	16	Sets		11	22	14	15	30	17					
7	6		7	22	6	51	2	54	12	17	6	50	0	0	14	15	11	17					
8	7	♂ rises 2h. 47m.	6	23	8	1	3	30	10	10	8	0	0	36	14	14	52	15					
9	E	♄ ♂ ♀	5	24	9	7	4	05	9	20	9	6	1	8	15	14	33	29					
10	2		3	26	10	11	4	41	8	21	10	12	1	47	15	14	13	♃					
11	3	Sir. S. 8h. 37m.	2	27	11	11	5	18	7	22	11	14	2	24	15	13	53	25					
12	4		1	28	morn		6	0	5	24	morn		3	6	15	13	33	♃					
13	5	♂ rises 5h. 55m.	0	29	0	11	6	51	4	25	0	14	3	57	15	13	13	20					
14	6	♄ sets 8h. 45m.	6	59	30	1	7	7	56	3	26	1	12	5	15	12	53	♂					
15	7	♄ in Apogee	57	32	2	1	9	10	2	27	2	6	6	17	14	12	33	13					
16	E		56	33	2	52	10	26	0	29	2	57	7	31	14	12	12	25					
17	2		55	34	3	37	11	31	6	58	30	3	42	8	37	14	11	51	♃				
18	3	♂ rises 2h. 37m.	53	35	4	17	morn		57	31	4	22	9	27	14	11	30	19					
19	4	♂ in aphelion.	52	36	4	56	0	21	55	35	4	59	10	9	14	11	8	♃					
20	5	♂ ♂ ♀	51	37	5	29	1	3	54	34	5	33	10	46	14	10	47	13					
21	6	♀ ♂ ♀	49	39	Rises		1	40	53	35	Rises		11	21	14	10	25	26					
22	7	Pro. S. 9h. 45m	48	40	6	29	2	15	51	36	6	26	11	55	14	10	3	♃					
23	E	♄ sets 8h. 20m	46	41	7	34	2	49	49	38	7	33	morn		14	9	41	22					
24	2		45	42	8	39	3	25	48	39	8	41	0	29	13	9	19	♃					
25	3	Pollux S. 9h. 0	44	43	9	46	3	57	47	40	9	48	1	3	13	9	57	19					
26	4		42	44	10	55	4	36	45	41	10	58	1	42	13	8	34	♃					
27	5	♂ rises 5h. 56m.	41	45	morn		5	18	44	42	morn		2	24	13	8	12	17					
28	6	♂ rises 5h. 32m	39	46	0	1	6	10	42	43	0	6	3	16	13	7	49	♄					

Swear not at all.

"Fly every oath."

"How then shall we be believed?"

"By our word, and a life which makes our words worthy of credit." These are the words of Gregory Nazaienzen, a Christian writer of the fourth century.

Cleanliness becometh a holy people.—John Woolman.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	1	5	13 M.	1	5	30 M.	1	4	37 M.
New Moon,	8	1	36 M.	8	1	53 M.	8	1	0 M.
First Quarter,	15	8	52 A.	15	9	9 A.	15	8	16 A.
Full Moon,	23	3	18 A.	23	3	35 A.	23	2	42 A.
Last Quarter,	30	0	0 Noon	30	0	17 A.	30	11	24 M.

Phila. Penna. N. Jersey, Ohio and Indiana. Boston, N. England, N. York State and Michigan.

D.M.	D.W	REMARKS.	Phila.				Boston.				Sun's decli. Sl.	Sun's South pic	
			Sun rises.	Sun sets.	Moon rises.	High water Phil'a.	Sun rises.	Sun sets.	Moon rises.	High water Bost'n			
1	7		6 37	5 48	1 7	7 15	6 39	5 46	1 12	4 21	12 7 26	†	
2	E	♀ r. 5h. 48m.	36	49	2 7	8 42	38	47	2 12	5 48	12 7 3	29	
3	2	☾ in perigee.	35	50	3 2	10 22	37	48	3 6	7 23	12 6 40	‡	
4	3	♃ sets 7h. 54m.	33	51	3 47	11 34	35	49	3 51	8 31	12 6 17	27	
5	4	♂ ☽	31	52	4 29	0 30	33	50	4 32	9 36	12 5 54	☽	
6	5	♀ ☽	30	53	5 7	1 15	32	51	5 9	10 21	11 5 31	26	
7	6	♃ rises 2h. 21m	28	54	Sets	1 54	30	52	Sets	11 0	11 5 7	☽	
8	7	* set 7h. 38	27	55	6 47	2 31	28	54	6 46	11 37	11 4 44	24	
9	E	♃ ☽	25	56	7 52	3 4	26	55	7 54	0 6	11 4 20	☽	
10	2	♀ in aphelion.	24	57	8 56	3 39	25	56	8 58	0 45	10 3 57	20	
11	3	Reg. S. 10h. 32	22	58	9 57	4 13	23	57	10 0	1 19	10 3 33	18	
12	4	♀ rises 5h. 48	21	59	10 54	4 50	22	58	10 58	1 56	10 3 10	15	
13	5		19	6	11 51	5 31	20	59	11 56	2 37	10 2 46	27	
14	6		17	2	morn	6 18	19	6	0	morn	3 24	9 2 22	☽
15	7	☾ in apogee	16	3	0 43	7 10	17	1	0 48	4 16	9 1 59	21	
16	E		14	4	1 29	8 22	15	2	1 34	5 28	9 1 35	☽	
17	2		12	5	2 13	9 37	12	4	2 17	6 43	8 1 16	15	
18	3	♃ rises 2h. 9m.	11	6	2 51	10 46	11	5	2 55	7 52	8 0 48	27	
19	4	Proc. S. 7h. 36	9	7	3 26	11 45	9	6	3 29	8 51	8 0 24	☽	
20	5	☽ ent. ♀ spring	8	8	3 59	morn	8	7	4 0	9 58	8 N.	21	
21	6	[comm.	6	9	4 30	0 32	6	8	4 29	10 18	7 0 23	☽	
22	7	♂ in sup. ☽ ☽	4	10	5 0	1 12	4	9	5 0	10 55	7 0 47	17	
23	E		3	11	Rises	1 49	3	10	Rise	11 31	7 1 11	☽	
24	2		1	12	7 34	2 25	1	12	7 35	morn	6 1 34	15	
25	3	Reg. S. 9h. 40m	5 19	13	8 43	3 2	5 59	13	8 46	0 8	6 1 58	29	
26	4		58	13	9 51	3 41	5 57	14	9 55	0 47	6 2 21	☽	
27	5		57	14	10 58	4 22	56	15	11 3	1 28	5 2 45	27	
28	6	☾ in perigee.	55	15	morn	5 7	54	16	morn	2 13	5 2 8	†	
29	7		53	16	0 0	6 1	52	17	0 5	3 7	5 3 32	26	
30	E		52	17	0 57	7 6	51	18	1 3	4 12	4 3 55	‡	
31	2	♃ sets 6h. 40m.	50	18	1 45	8 28	49	19	1 49	5 34	4 4 18	24	

The benevolence of an humble mind may be compared to a rivulet in a meadow, which, though it glides along quietly and unseen, refreshes and fertilizes the soil, leaving it to display the benefit received, by its increased verdure and fruitfulness.

*Times of holding the QUARTERLY MEETINGS OF FRIENDS
of Philadelphia Yearly Meeting.*

Philadelphia Quarterly Meeting is held at the meeting-house on Mulberry Street, Philadelphia, on the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Abington Quarterly Meeting is held at Germantown, on the Fifth-day following the first Second-day in the 2nd, 5th, 8th, and 11th months, at 10 o'clock.

Bucks Quarterly Meeting is held the last Fifth-day in the 2nd, 5th, 8th, and 11th months;—in the 2nd month at Buckingham; in the 5th and 11th at Falsington, and in the 8th at Middletown.

Concord Quarterly Meeting is held at Concord, on the Third-day following the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Cain Quarterly Meeting is held at East Cain, 3 miles west of Downingtown, on the Sixth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Western Quarterly Meeting is held at London Grove, old house, on the Sixth-day after the third Second-day in the 2nd, 5th, 8th, and 11th months, at 11, A. M.

Burlington Quarterly Meeting is held at Burlington, on the Third-day after the last Second-day in the 2nd, 5th, 8th, and 11th months, at 10, A. M.

Haddonfield Quarterly Meeting is held at Haddonfield, on the Fifth-day following the second Second-day in the 3rd—at Evesham, in the 6th—at Upper Evesham, in the 9th—and at Chester, in the 12th month, at 10 o'clock.

Salem Quarterly Meeting is held on the Fifth-day following the second Second-day in the 2nd, 5th, 8th, and 11th months—at Salem in the 5th and 11th months—at Woodbury in the 2nd and 8th months; at 10 o'clock, in the 5th and 8th months; at 11 o'clock, in the 2nd and 11th months.

Shrewsbury and Rahway Quarterly Meeting is held the Fifth-day after the second First-day in the 2nd, 5th, 8th, and 11th months—at Plainfield, in the 2nd and 8th, and at Shrewsbury in the 5th and 11th months—all at 11, A. M., except that at Plainfield, in the 8th month, which is at 10, A. M.

- VIRGINIA YEARLY MEETING.

The number of members of the religious Society of Friends in Virginia, having been very much diminished by the emigration of many to the free States, their Yearly Meeting has been discontinued, and the members attached to Baltimore Yearly Meeting. Virginia Yearly Meeting was constituted in 1702, and has existed 142 years.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	1	10	20 M.	1	10	37 M.	1	9	44 M.
New Moon,	8	2	12 M.	8	2	29 M.	8	1	36 M.
First Quarter,	15	3	50 M.	15	3	7 M.	15	3	14 M.
Full Moon,	23	9	19 M.	23	9	36 M.	23	8	43 M.
Last Quarter,	30	8	55 A.	30	9	12 A.	30	8	19 A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State, & Michigan.				Sun's decli. South.		D							
			Sun		Moon		Sun		Moon		SI.	M.								
			rises.	sets.	rises.	Phil'a.	rises.	sets.	rises.	High water, Bost'n										
1	4	☾ in ☉	7	27	4	41	morn	6	50	7	35	4	33	morn	3	56	4	22	59	☾
2	5	☾ stationary.	27	42	0	58	7	54	35	34	0	59	5	0	5	22	54	26	☾	
3	6	☽ r. 4h. 58m.	27	43	2	6	9	16	35	35	2	9	6	22	5	22	48	m	☽	
4	7	☽ ☽ ☽ 2 1/2 s'ts 10	27	44	3	17	10	44	35	36	3	21	7	50	5	22	41	24	☽	
5	E	☽ ☽ ☽ [h. 49m	27	45	4	26	11	57	35	37	4	30	9	3	6	22	35	☽	☽	
6	2	☽ in perihelion	27	46	5	32	0	57	35	38	5	36	10	3	6	22	28	☽	☽	
7	3	☽ in Perigee.	27	47	6	31	1	47	35	39	6	34	10	53	7	22	20	☽	☽	
8	4	Aldebaren s. 9	27	47	Sets	2	33	35	40	Sets	11	39	7	22	12	24	☽	☽	☽	
9	5	☽ ☽ ☽ [8 m.	27	48	6	57	3	15	34	41	6	51	0	21	8	22	3	☽	☽	
10	6	☽ rises 3h. 9 m	27	49	8	9	3	52	34	42	8	4	1	0	8	21	54	23	☽	
11	7	Siri. S. 11h. 5m.	26	51	9	16	4	31	34	43	9	14	1	37	8	21	45	☽	☽	
12	E	☽ ☽ ☽	26	52	10	21	5	8	33	44	10	20	2	14	9	21	35	21	☽	
13	2		26	52	11	25	5	50	33	45	11	26	2	55	9	21	25	☽	☽	
14	3	Pro. s. 11 h. 46	26	53	morn	6	37	32	47	morn	3	43	10	21	14	17	☽	☽	☽	
15	4		25	54	0	25	7	32	32	48	0	27	4	38	10	21	3	29	☽	
16	5	☽ great. H. L. N.	25	55	1	25	8	42	32	49	1	28	5	48	10	20	52	☽	☽	
17	6	☽ sets 10h. 8m.	24	57	2	23	9	58	31	50	2	27	7	4	11	20	40	23	☽	
18	7		24	58	3	18	11	5	31	51	3	23	8	11	11	20	28	☽	☽	
19	E	☽ in Apogee	23	59	4	10	morn	30	30	52	4	15	9	7	11	20	15	17	☽	
20	2		23	5	0	4	58	0	29	53	5	3	9	54	12	20	2	29	☽	
21	3	☽ sets 5h. 36m.	22	2	5	41	0	48	29	54	5	46	10	34	12	19	49	☽	☽	
22	4	☽ rises 5h. 33m.	21	3	6	22	1	28	28	56	6	47	11	30	12	19	35	23	☽	
23	5		21	4	6	57	2	4	27	57	7	1	11	45	12	19	21	☽	☽	
24	6		20	5	Rises	2	39	26	26	59	Rises	morn	13	19	7	17	☽	☽	☽	
25	7	Ald. s. 7h. 57m	19	6	7	37	3	11	25	5	0	7	34	0	13	18	52	☽	☽	
26	E		18	8	8	40	3	43	25	5	1	8	39	0	49	13	18	37	13	☽
27	2		18	9	9	43	4	16	24	2	9	44	1	22	13	18	21	26	☽	
28	3	☽ rises 2h. 56m	17	10	10	50	4	52	23	4	10	50	1	58	13	18	6	☽	☽	
29	4	☽ ☽ ☽	16	11	11	56	5	34	22	5	11	58	2	40	13	17	49	22	☽	
30	5		15	12	morn	6	23	21	21	6	morn	2	29	14	17	33	m	☽	☽	
31	6		14	14	1	2	7	27	20	8	1	6	4	33	14	17	16	20	☽	

Official Qualifications.—It has been said, that no one can be a good officer without these five qualifications, viz: clean hands, ability, despatch, patience and impartiality. If no one were appointed to any office who had not these requisites, it is probable that the number of applicants would be much reduced.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	2	9	7 A.	2	9	24 A.	2	8	31 A.
New Moon,	9	3	12 A.	9	3	29 A.	9	2	36 A.
First Quarter,	16	10	21 M.	16	10	38 M.	16	9	45 M.
Full Moon,	24	2	28 A.	24	2	45 A.	24	1	52 A.

D.	M.	D.	W	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decl. South			D								
					Sun		Moon		Sun		Moon		High water, Phila.	High water, Boston	M.		H.	M.						
					rises	sets.	rises.	sets.	rises.	sets.	rises.	sets.												
1	F	♀	rises 3h. 56m.	7	19	4	41	16	50	5	45	7	26	4	34	10	47	2	48	11	21	55	23	
2	2	♃	south 6h. 57.	19	41	11	53	6	30	27	33	11	52	3	33	10	22	4	28	10	22	13	19	
3	3	♁	Forn. s. 3h. 4m.	20	40	morn	7	25	27	33	morn	4	28	3	33	9	22	20	5	37	9	22	20	
4	4	♃	rises 3h. 34m	21	39	0	57	8	34	28	32	0	57	5	37	9	22	20	5	37	9	22	20	
5	5	♂	♂	21	39	2	4	9	55	29	31	2	5	6	58	9	22	28	16	37	9	22	28	
6	6	♂	♂	22	38	3	14	11	9	29	31	3	17	8	12	8	22	35	15	37	9	22	35	
7	7	♀	♂	22	38	4	27	0	13	29	31	4	31	9	18	8	22	42	15	37	9	22	42	
8	F	♃	sets 8h. 7m.	23	37	5	40	1	9	30	30	5	45	10	12	8	22	48	15	37	9	22	48	
9	2	♃	peri. Ⓞ decl'd	23	37	Sets	1	58	30	30	Sets	11	2	7	22	54	15	37	9	22	54	15		
10	3	♀	great. h. l. n.	23	37	5	40	2	47	31	29	5	32	11	50	7	22	59	15	37	9	22	59	
11	4	♀	*s s. 11h. 21m	24	36	6	57	3	08	31	29	6	47	0	11	6	23	4	16	37	9	23	4	
12	5	♀	rises 4h. 9m.	24	36	8	11	3	49	32	28	8	5	0	62	6	23	9	15	37	9	23	9	
13	6	♂	♂ g.h. l s.	25	35	9	21	4	31	33	27	9	17	1	34	5	23	13	15	37	9	23	13	
14	7	♃	south 6h. 6m.	25	35	10	28	5	15	33	27	10	26	3	18	5	23	16	29	37	9	23	16	
15	F	♂	♂	25	35	11	32	6	1	33	27	11	31	3	4	4	23	19	37	9	23	19		
16	2	♃	♂	25	35	morn	6	52	33	27	morn	3	55	4	23	21	26	37	9	23	21	26		
17	3	♃	♂	25	35	0	35	7	58	33	27	0	35	5	1	3	23	23	37	9	23	23		
18	4	♃	♂	25	35	1	35	9	10	33	27	1	37	6	13	3	23	25	21	37	9	23	25	
19	5	♃	rises 3h. 24m	25	35	2	34	10	17	33	27	2	37	7	20	2	23	26	37	9	23	26		
20	6	♃	sets 7h. 28m.	25	35	3	32	11	17	33	27	3	36	8	20	2	23	27	15	37	9	23	27	
21	7	♁	ent. ♃ wint.	25	35	4	29	0	6	33	27	4	35	9	9	1	23	28	27	37	9	23	28	
22	F	♁	Ald. s. 10h. 21.	25	35	5	24	0	47	33	27	5	30	9	50	1	23	27	20	37	9	23	27	
23	2	♃	in apogee	25	35	6	15	1	25	33	27	6	21	10	28	sl.	23	27	20	37	9	23	27	
24	3	♃	♂	25	35	Rises	1	59	33	27	Rises	11	2	0	23	26	37	9	23	26	37	9	23	26
25	4	♀	rises 4h. 38m	25	35	5	46	2	23	33	27	5	39	11	36	1	23	24	14	37	9	23	24	
26	5	♂	gr. elong e.	25	35	6	43	3	6	33	27	6	37	0	9	1	23	22	26	37	9	23	22	
27	6	♃	♂	25	35	7	43	3	33	33	27	7	38	0	36	2	23	19	37	9	23	19		
28	7	♃	south 5h. 20.	25	35	8	43	4	5	33	27	8	39	1	8	2	23	16	20	37	9	23	16	
29	F	♃	rises 3h. 16m	24	36	9	44	4	40	32	28	9	42	1	43	3	23	12	37	9	23	12		
30	2	♁	in perigee	24	36	10	47	5	16	32	28	10	46	2	19	3	23	10	16	37	9	23	10	
31	3	♃	♂	23	37	11	51	5	57	31	29	11	52	3	0	4	23	4	29	37	9	23	4	

He that covets can no more be a moral man, than he that steals; since he does so in his mind. Nor can he be one that robs his neighbour of his credit, or that craftily undermines him of his trade or office.

True religion and true humility, are known by uncommon faithfulness in executing common duties.

JOHN LILBURNE.

The following account exhibits in a striking manner, the difference between the turbulence of the partisan, which marked the early and the principal part of the life of John Lilburne; and the calmness and meekness of his latter days, after he had adopted the peaceable principles of the gospel.

This singular man was born in the County of Durham, in the year 1618. He was a younger son, and being placed out as an apprentice to a clothier in London, when only 12 years of age, he must have acquired a very small stock of learning. The master was a Puritan, and the apprentice had been educated in the same religious sentiments. His deficiency in learning was supplied by a precocity of parts, and forwardness of disposition, which rendered his situation as an apprentice, uneasy to him, and he complained to the Chamberlain of the City, of his master's ill usage. Thus early did he manifest a disposition, impatient of controul, which he carried with him through the greatest part of his life. When his apprenticeship expired, instead of prosecuting his trade, he attached himself to the discontented party of that day, and in the year 1636, was sent to Holland by Dr. Bastwick, who was a prisoner by order of the Star Chamber, in the Gate-house, London. Lilburne's errand was to obtain the printing of some pieces in Holland, unfavourable both to the civil and ecclesiastical government of England. For the distribution of these and other similar publications, he was brought before the High Commission Court, and sentenced to be whipped at the cart's tail, from Fleet Prison to the old Palace Yard; there to stand two hours on the pillory; to remain in the Fleet Prison till he conformed to the rules of the court; to pay a fine of £500 to the King, and to find security for his good behaviour.

He bore his punishment with so much fortitude and spirit, that he acquired the name of "Freeborn John," even from his enemies. He continued a prisoner in the Fleet till 1640, part of the time loaded with double irons on his arms and legs, and confined in one of the worst wards. Here he was suspected of setting the prison on fire, but probably without cause. The fear of him, however, produced some amelioration of his situation, by which means he found opportunity to publish a piece of his own, entitled "The Christian Man's Trial."

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	5	10	25 A.	5	10	42 A.	5	9	49 A.
New Moon,	13	9	31 A.	13	9	48 A.	13	8	55 A.
First Quarter,	20	9	15 A.	20	9	32 A.	20	8	39 A.
Full Moon,	27	7	33 A.	27	7	50 A.	27	6	57 A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan				Sun's decli.		☾ p.c.
			Sun		Moon		Sun		Moon		St.	North.	
			rises	sets.	rises.	H. M.	rises	sets.	rises.	H. M.	Bost'n	M.		H. M.
1	5		4 57	7 3	8 38	3 46	4 52	7 8	8 37	0 49	6	17 54	19
2	6		58	2 9	6 4	19	53	7 9	3 1	22	6	17 39	☽
3	7	☾ ☽ ☽	59	1 9	36 4	54	54	6 9	31 1	57	6	17 23	14
4	8	☽ ☽ ☽	5 0	0 10	6 5	32	55	5 10	0 2	35	6	17 7	26
5	2		1 6	59 10	40 6	15	56	4 10	33 3	18	6	16 51	☽
6	3		2	58 11	16 7	6	57	3 11	9 4	9	6	16 34	20
7	4	☽ in apogee	3	57 11	58 9	14	58	2 11	50 5	17	5	16 17	☽
8	5		4	56	morn	9 29	59	1	morn	6 32	5	16 0	14
9	6		5	55 0	46 10	44	5 0	0 0	38 7	47	5	15 43	26
10	7		6	54 1	40 11	47	1 6	59 1	1 31	8 50	5	15 25	☽
11	F	☽ ☽ ☽	7	53 2	37 0	37	3	57 2	30 9	41	5	15 7	20
12	2		9	51 3	37 1	18	4	56 3	31 10	21	5	14 49	☽
13	3		10	50	Sets	1 55	5	55	Sets	10 58	5	14 31	16.
14	4	☽ stationary	11	49 6	59 2	8	7	53 7	0 11	11	4	14 12	29
15	5		12	48 7	29 2	41	8	52 7	28 11	44	4	13 54	☽
16	6	☽ ☽ ☽	13	47 7	59 3	16	9	51 7	56 0	19	4	13 35	26
17	7		14	46 8	30 3	52	10	50 8	26 0	55	4	13 16	☽
18	F	☽ great. h. l. s.	15	45 9	5 4	31	11	49 8	59 1	35	4	12 56	14
19	2		17	43 9	46 5	20	12	48 9	39 2	23	3	12 37	☽
20	3	☽ great. h. l. s.	18	42 10	32 6	19	14	46 10	24 3	22	3	12 17	22
21	4	☽ in perigee	19	41 11	26 7	36	15	45 11	18 4	39	3	11 57	☽
22	5		20	40	morn	9 8	17	43	morn	6 11	3	11 37	20
23	6		21	39 0	26 10	34	18	42 0	18 7	37	2	11 16	☽
24	7		23	37 1	32 11	41	19	41 1	25 8	44	2	10 56	19
25	F	☽ ☽ ☽	24	36 2	41 0	31	21	39 2	34 9	34	2	10 35	☽
26	2		25	35 3	51 1	13	22	38 3	45 10	16	1	10 14	17
27	3	☽ in aphelion	26	34 4	58 1	43	23	37 4	54 10	56	1	-9 53	☽
28	4	☽ at great. bril.	28	32	Rises	2 13	25	35	Rises	11 16	1	9 32	14
29	5		29	31 7	6 2	47	26	34 7	4 11	50	1	9 10	27
30	6	☽ ☽ ☽	30	30 7	37 3	30	27	33 7	33 0	33	0	8 49	☽
31	7		31	29 8	6 3	53	28	32 8	1 0	56	st	8 27	22

COMPLACENCY.—Never assent, merely to please others; for that is, besides flattery, ostentimes untruth, and discovers a mind to be servile and base: nor contradict to vex others, for that shows an ill temper, and provokes, but profits nobody.

Love silence even in the mind.—W. Penn.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	4	4	42 A.	4	5	9 A.	4	4	6 A.
New Moon,	12	8	15 M.	12	8	32 M.	12	7	39 M.
First Quarter,	19	2	51 M.	19	3	8 M.	19	2	15 M.
Full Moon,	26	8	12 A.	26	8	29 A.	26	11	36 A.

D. M.	D. W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State, and Michigan.				☉	Sun's decli.		☾	
			Sun		Moon		Sun		Moon			High water, Bost'n	North.		
			rises.	sets.	rises.	High water Phila.	rises.	sets.	rises.	High water, Bost'n			fst.		North.	plc
1	F	☽ ris. 2h. 20m.	5 32	6 28	8 38	4 24	5 30	6 30	8 32	1 27	0	8	6	♋	
2	2	♋ great. elon. ♄	34	26	9 14	5 1	32	28	9 7	2 4	1	7	43	16	
3	3	♋ rises 4h. 42m	35	25	9 54	5 42	33	27	9 46	2 45	1	7	21	28	
4	4	♄ in apogee	36	24	10 39	6 30	34	26	10 31	3 33	1	6	59	♏	
5	5	♄ rises 7h. 7m	37	23	11 30	7 45	35	25	11 21	4 48	2	6	37	22	
6	6	♄ s'th 9h. 10m.	39	21	morn	8 42	37	23	morn	5 45	2	6	14	♌	
7	7	Ald. r. 10h. 33.	40	20	0 24	10 2	38	22	0 16	7 5	2	5	52	16	
8	F	☽ ☽ ☽	41	19	1 24	11 9	40	20	1 17	8 12	3	5	29	28	
9	2	Atair s. 8h. 31	43	17	2 26	0 6	41	19	2 20	9 9	3	5	6	♋	
10	3	Ari. r. 7h. 47m.	44	16	3 29	0 51	43	17	3 25	9 54	3	4	44	24	
11	4	♋ ☽ ☽	45	15	4 35	1 30	44	16	4 32	10 34	4	4	21	♏	
12	5	♋ rises 4h. 35m	46	14	Sets	2 9	45	15	Sets	11 12	4	3	58	21	
13	6	☽ rises 2h. 8m.	48	12	6 33	2 32	47	13	6 29	11 25	4	3	35	♌	
14	7	♋ ☽ ☽	49	11	7 7	2 59	48	12	7 2	0 2	5	3	12	20	
15	F	♋ stationary	51	9	7 46	3 38	50	10	7 40	0 41	5	2	49	♏	
16	2	♄ in perigee	52	8	8 30	4 22	51	9	8 22	1 25	5	2	26	19	
17	3	♄ rises 6h. 18m	53	7	9 23	5 11	53	7	9 14	2 14	6	2	2	♋	
18	4	Lyra s. 6h. 48m	54	6	10 22	6 11	54	6	10 14	3 14	6	1	39	17	
19	5	♋ rises 4h. 3m.	56	4	11 27	7 28	55	5	11 19	4 31	6	1	16	♏	
20	6	♄ so. 8h. 13m.	57	3	morn	8 52	57	3	morn	5 55	7	0	53	15	
21	7	♋ in ap. ♄ ☽ ☽	58	2	0 32	10 13	58	2	0 25	7 16	7	0	29	29	
22	F	☽ enters ♌	59	1	1 39	11 19	59	1	1 33	8 22	7	0	6	♌	
23	2	☽ rises 2h. 7m.	6 1	5 59	2 46	0 8	6 1	5 59	2 42	9 11	8	0	17	26	
24	3	Alioth s. 0h. 41	2	58	3 51	0 47	2	58	3 48	9 50	8	0	41	♋	
25	4	♄ ☽ ☽	3	57	4 54	1 23	4	56	4 53	10 26	9	1	4	23	
26	5	♄ ris. 5h. 40m.	5	55	Rises	1 52	5	55	Rises	10 55	9	1	27	♏	
27	6		6	54	6 6	2 21	7	53	6 2	11 24	9	1	51	18	
28	7	♋ in infer ☽ ☽	7	53	6 38	2 54	8	52	6 32	11 57	10	2	14	♋	
29	F	Fom. s. 9h. 54	9	51	7 12	3 27	10	50	7 6	0 30	10	2	38	12	
30	2	♄ south 7h. 33.	10	50	7 51	4 1	11	49	7 43	1 4	10	3	124		

TEMPER.—Nothing does reason more right than the coolness of those that offer it; for truth often suffers more by the heat of its defenders, than from the argument of its opposers.

JUSTICE.—Believe nothing against another, but upon good authority; nor report what may hurt another, unless it be a greater hurt to others to conceal it.

1844.

SIXTH MONTH.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
Last Quarter,	7	3	28	A.	7	3	45	A.	7	3	9	A.
New Moon,	15	7	25	A.	15	7	42	A.	15	6	49	A.
First Quarter,	23	10	23	M.	23	10	40	M.	23	9	47	M.
Full Moon,	30	1	16	M.	30	1	33	M.	30	0	40	M.

Phila. Penna. N. Jersey, Ohio and Indiana. Boston, N. England, N. York State and Michigan.

D. M.	D. W.	REMARKS.	Phila.				Boston.				Sun's decl. North	☾
			Sun rises	Sun sets	Moon rises	High water, Phila.	Sun rises	Sun sets	Moon rises	High water, Bost'n		
1	7	♀ sets 10h. 35.	4 40	7 20	8 24	7 21	4 33	7 27	8 30	11 24	2 42	♁ 21
2	F		40	20	9 20	3 7	33	27	9 27	0 10	2 22	♁ 16
3	2	♁ sets 8h. 50m.	3 2	21	10 3	3 51	32	28	10 7	0 54	2 22	♁ 23
4	3	♁ ☽ ☽	39	21	10 41	4 34	31	29	10 44	1 37	2 22	♁ 30
5	4		38	22	11 14	5 15	31	29	11 15	2 18	2 22	♁ 37
6	5	♁ rises 1h. 10m	38	22	11 38	5 59	30	30	11 37	3 2	2 22	♁ 43
7	6	♁ rises 10h. 57.	37	23	morn	6 48	30	30	morn	3 51	1 22	♁ 49
8	7		37	23	0 9	7 46	29	31	0 8	4 49	1 22	♁ 54
9	F	♁ ☽ ☽...♁ ☽ ☽	37	23	0 36	8 51	29	31	0 33	5 54	1 22	♁ 59
10	2	Poll. set 9h. 44	36	24	1 3	10 0	29	31	0 59	7 3	1 23	♁ 4
11	3	♀ sets 10h. 16.	36	24	1 32	11 1	28	32	1 26	8 4	1 23	♁ 8
12	4	Ant. s. 10h. 55.	36	24	2 4	11 56	28	32	1 58	8 59	0 23	♁ 12
13	5	♁ in apogee,	36	24	2 41	0 42	28	32	2 33	9 45	0 23	♁ 15
14	6	♁ ☽ ☽	35	25	3 22	1 22	27	33	3 13	10 25	0 23	♁ 18
15	7	☽ eclipsed,	35	25	Sets	2 0	27	33	Sets	11 3	sl. 23	♁ 21
16	F	♀ at great. bril.	35	25	8 5	2 13	27	33	8 11	11 16	0 23	♁ 23
17	2	♁ ☽ ☽. ♁ s. 8 32	35	25	8 44	2 48	27	33	8 50	11 51	1 23	♁ 25
18	3	♁	35	25	9 21	3 23	27	33	9 25	0 26	1 23	♁ 26
19	4	♀ ☽ ☽	35	25	9 52	3 57	27	33	9 54	1 0	1 23	♁ 27
20	5	♁ great. h. l. s.	35	25	10 22	4 34	27	33	10 23	1 37	1 23	♁ 27
21	6	☽ enters ♄	35	25	10 51	5 14	27	33	10 51	2 17	1 23	♁ 28
22	7		35	25	11 21	6 0	27	33	11 17	3 3	2 23	♁ 27
23	F	♁ gre. elong w.	35	25	11 51	6 57	27	33	11 47	4 0	2 23	♁ 26
24	2	♀ in ♄	35	25	morn	8 11	27	33	morn	5 14	2 23	♁ 25
25	3	♀ sets 9h. 31m.	35	25	0 26	9 39	27	33	0 21	6 42	2 23	♁ 24
26	4	Arc. s. 7h. 46m	35	25	1 4	11 0	27	33	0 58	8 3	3 23	♁ 22
27	5	♁ ☽ ☽	35	25	1 51	0 5	27	33	1 43	9 8	3 23	♁ 19
28	6	♁ in perigee,	36	24	2 45	1 0	28	32	2 36	10 3	3 23	♁ 16
29	7		36	24	3 53	1 47	28	32	3 45	10 50	3 23	♁ 13
30	F	♀ stationary,	36	24	rises	2 20	28	32	rises	11 23	3 23	♁ 10

Christ is a path,—if any be misled;
 He is a robe,—if any naked be;
 If any chance to hunger,—he is bread;
 If any be a bondman,—he is free;
 If any be but weak,—how strong is he?

SEVENTH MONTH.

1844.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.		D.	H.	M.		H.	M.		M.
Last Quarter,	7	5	49	M.	7	6	6	M.	7	5	13	M.
New Moon,	15	9	22	M.	15	9	39	M.	15	8	46	M.
First Quarter,	22	4	12	A.	22	4	29	A.	22	3	36	A.
Full Moon,	29	9	31	M.	29	9	48	M.	29	8	55	M.

Phila. Penna. N. Jersey, Ohio and Indiana. Boston, N. England, N. York State, and Michigan

D. M.	D. W.	REMARKS.	Phila.				Sun		Moon		High water		Sun's decl.		D. p.c.
			rises.	sets.	rises.	sets.	rises.	sets.	rises.	sets.	Bost'n	St.	N.	S.	
			H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	H. M.	
1	2	☾ sets 9h. 7m.	4 37	7 23	8 35	2 54	4 29	7 31	8 39	11 57	4 23	5 29			
2	3	☽ in apogee.	37	23	9 11	3 54	29	31	9 13	0 37	4 23	1 26	☾		
3	4		37	23	9 42	4 11	29	31	9 43	1 14	4 22	56	☾		
4	5	☽ sets 8h. 6m.	37	23	10 10	4 49	30	30	10 9	1 53	4 22	51	☾		
5	6		38	22	10 37	5 26	30	30	10 35	2 29	4 22	45	☾		
6	7	☽ ris. 11h. 14m.	38	22	11 5	6 6	31	29	11 1	3 9	4 22	39	☾		
7	F		39	21	11 36	6 44	31	29	11 31	3 47	5 22	32	☾		
8	2	Ant. s. 9h. 7m.	39	21	morn	7 55	32	28	11 58	4 58	5 22	26	☾		
9	3		40	20	0 4	9 1	32	28	morn	6 4	5 22	19	☾		
10	4	☾ in apogee	40	20	0 39	10 17	33	27	0 32	7 20	5 22	11	☾		
11	5	☽ ris. 8h. 19m.	41	19	1 18	11 22	33	27	1 10	8 25	5 22	4	☾		
12	6		41	19	2 3	0 15	34	26	1 55	9 18	5 21	55	☾		
13	7		42	18	2 53	1 0	35	25	2 44	10 3	5 21	46	☾		
14	F	☽ in per. ☽ ☽	42	18	3 49	1 40	35	25	3 41	10 43	6 21	37	☾		
15	2		43	17	Sets	1 53	36	24	Sets	10 56	6 21	27	☾		
16	3	☽ ☽ ☽: ☽ ☽	44	16	7 56	2 29	37	23	7 59	11 32	6 21	18	☾		
17	4	☽ sets 7h. 29m.	44	16	8 27	3 3	37	23	8 28	0 6	6 21	8	☾		
18	5	Lyra s. 10h. 40	45	15	8 56	3 37	38	22	8 56	0 40	6 20	57	☾		
19	6	☽ ☽ ☽	46	14	9 26	4 12	39	21	9 24	1 15	6 20	46	☾		
20	7	Arie. r. 11h. 1m	46	14	9 55	4 49	40	20	9 52	1 52	6 20	35	☾		
21	F	☽ in sup. ☽ ☽	47	13	10 27	5 35	41	19	10 22	2 38	6 20	23	☾		
22	2	☽ ☽ ☽	48	12	11 4	6 30	42	18	10 58	3 34	6 20	11	☾		
23	3	☽ in infer. ☽ ☽	49	11	11 45	7 48	42	18	11 38	4 51	6 19	59	☾		
24	4	☽ stationary	50	10	morn	9 20	43	17	morn	6 23	6 19	46	☾		
25	5	☽ rises 9h. 59m	51	9	0 35	10 47	44	16	0 27	7 50	6 19	33	☾		
26	6	☽ in per. ☽ ☽	52	8	1 33	11 55	45	15	1 24	8 58	6 19	20	☾		
27	7		53	7	2 38	0 46	46	14	2 30	9 51	6 19	6	☾		
28	F	☽ in aphelion.	54	6	3 46	1 33	47	13	3 39	10 36	6 18	53	☾		
29	2	☽ ☽ ☽	54	6	Rises	2 5	48	12	Rises	11 8	6 18	39	☾		
30	3		55	5	7 39	2 36	49	11	7 40	11 39	6 18	24	☾		
31	4		56	4	8 10	3 11	50	10	8 10	0 14	6 18	9	☾		

To dead men, life he is; to sick men health;
 To blind men sight; and to the needy wealth;
 A pleasure without loss; a treasure without stealth.

Nothing forms so truly great and dignified a character as the meekness and gentleness of Christ.—*W. Penn.*

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Full Moon,	4	3	42 M.	4	3	59 M.	4	3	6 M.
Last Quarter,	11	0	21 M.	11	0	38 M.	10	11	45 A.
New Moon,	18	3	45 M.	18	4	2 M.	18	3	9 M.
First Quarter,	26	4	57 M.	26	5	14 M.	26	4	21 M.

D	M	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State & Michigan.				Sun's		☾ plc
			Sun	Sun	Moon	High water	Sun	Sun	Moon	High water	☉ Sl.	☉ South.	
			rises.	sets.	sets.	Phil'n	rises.	sets.	sets.	Boat'n	M.	H. M.	
1	5	☽ sets 7h. 40m.	7 0	5 0	5 3	0 28	7 6	1 54	5 9	9 31	14	17 12	9
2	6	Spica r. 10h. 40'	6 59	1 5	4 5	1 11	4 56	5 51	10 14	14	16 55	13	
3	7	Ald. S. 7h. 16'	58	2	Rises	1 42	3 57	Rises	10 46	14	16 38	☾	
4	G	☽ sets 9h. 51'	57	3	6 5	2 13	2 58	6 0	11 16	14	16 20	19	
5	2		56	4	7 14	2 49	1 59	7 12	11 52	14	16 2	☽	
6	3	Arct. r. 9h. 44'	55	5	8 25	3 25	0 5	8 24	0 28	14	15 44	17	
7	4		54	6	9 34	4 1	6 58	2 9	3 5	1 4	14	15 25	☽
8	5	☽ in perigee.	52	8	10 45	4 39	5 7	3 10	4 9	1 42	14	15 6	16
9	6	☽ Pol. S. 10h. 2m.	51	9	11 58	5 21	5 6	4 morn	2 24	14	14 47	☽	
10	7	☽ stationary.	50	10	morn	6 13	5 5	5 0	3 16	15	14 28	14	
11	G		49	11	1 8	7 17	5 3	7 14	4 20	15	14 8	28	
12	2	Lyra r. 10h. 39'	48	12	2 15	8 33	5 2	8 22	5 46	15	13 49	☽	
13	3	Sir. s. 8h. 49m.	46	14	3 16	10 18	5 1	9 3	3 23	7 21	15	13 29	26
14	4		45	15	4 9	11 36	4 9	11 4	16 8	39	14	13 8	☽
15	5	☽ sets 8h. 11m.	44	16	4 55	0 32	4 8	12 5	0 9	3 5	14	12 48	23
16	6	☽ ☽ ☽ 1/2 ☽ ☽	43	17	5 35	1 16	4 7	13 5	3 9	10 19	14	12 27	☽
17	7	☽ sets 9h. 47m.	42	18	Sets	1 54	4 5	15 Sets	10 57	14	12 6	20	
18	G		41	19	6 19	2 28	4 4	16 6	17 11	3 1	14	11 45	☽
19	2	☽ ☽ ☽	39	21	7 21	3 1	4 2	18 7	2 0	4	14	11 24	16
20	3	Proc. s. 9h. 14'	38	22	8 21	3 32	4 1	19 8	2 3	0 35	14	11 3	☽
21	4	☽ ☽ ☽	36	24	9 21	4 3	4 0	20 9	2 3	1 6	14	10 41	11
22	5		35	25	10 20	4 18	3 8	22 10	2 4	1 21	14	10 20	23
23	6	☽ quaters el. w.	34	26	11 18	4 47	3 7	23 11	2 3	1 50	14	9 58	☽
24	7	☽ in Apogee	33	27	morn	5 28	3 6	24 morn	2 31	1 4	14	9 36	17
25	G	☽ sets 8h. 33m.	31	29	0 16	6 19	3 4	26 0	2 3	3 22	13	9 13	☽
26	2		30	30	1 12	7 18	3 3	27 1	1 8	4 21	13	8 51	10
27	3	☽ rises 4h. 4m.	29	31	2 3	8 37	3 1	29 2	1 0	5 40	15	8 28	23
28	4	☽ sets 9h. 43m.	28	32	2 52	9 59	3 0	30 2	5 7	2 13	13	8 6	☽
29	5	☽ ☽ ☽	26	34	3 37	11 8	2 8	32 3	4 3	8 11	13	7 43	17

A true simplicity; a tranquility of the mind, which is the fruit of resignation to the will of God; a patience with regard to the defects of our neighbour, which the presence of God inspires us with; a willingness to confess our faults, and be reprehended for them; also to submit ourselves to the advice of experienced persons: these are virtues useful and necessary to our satisfaction.

They always pray, whose hearts always feel true love and desire.

MOON'S PHASES.

	Philadelphia.				Boston.				Cincinnati.			
	D.	H.	M.	A.	D.	H.	M.	A.	D.	H.	M.	A.
Full Moon,	4	4	1	A.	4	4	18	A.	4	3	25	A.
Last Quarter,	11	8	19	M.	11	8	36	M.	11	7	43	M.
New Moon,	18	7	16	A.	18	7	33	A.	18	6	40	A.
First Quarter,	27	0	1	M.	27	0	18		26	11	25	A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decl. Sl.	Sun's South ple
			Sun	Sun	Moon	High water Phil'a.	Sun	Sun	Moon	High water Bost'n		
			rises.	sets.	sets.	H. M.	rises.	sets.	sets.	H. M.		
1	6	☽ sets 8h. 44m.	6 25	5 35	4 16	0 2	6 27	5 33	4 27	9 5	12 7 20	♊
2	7	½ ris. 4h. 50' m.	24	36	4 51	0 45	26	34	4 56	9 48	12 6 57	14
3	F	☽ sets 9h. 43m.	22	38	5 25	1 25	24	36	5 27	10 28	12 6 34	27
4	2	☽ in aphelion,	21	39	Rises	1 56	23	37	Rises	10 59	12 6 11	☿
5	3	☽ in ☉	20	40	7 18	2 26	21	39	7 18	11 29	12 5 48	26
6	4	Sir. s. 7h. 30m.	19	41	8 31	3 2	20	40	8 33	0 5	11 5 25	♋
7	5	☾ in perigee,	17	43	9 45	3 45	18	42	9 48	0 48	11 5 2	26
8	6		16	44	10 57	4 24	17	43	11 3	1 27	11 4 38	♌
9	7	Proc. s. 8h. 12'.	15	45	morn	5 9	16	44	morn	2 12	11 4 15	25
10	F	☽ sets 9h. 4m.	13	47	0 7	6 3	14	46	0 13	3 6	10 3 51	♍
11	2	Anta. r. 0h. 14'.	12	48	0 10	7 6	13	47	1 17	4 9	10 3 28	23
12	3	☽ sets 9h. 40m.	10	50	2 5	8 29	11	49	2 12	5 32	10 3 4	♎
13	4		9	51	2 52	10 0	10	50	2 58	7 3	10 2 41	20
14	5	♃ ☽ ☾	8	52	3 33	11 14	9	51	3 57	8 7	9 2 17	☿
15	6	Reg. s. 10h. 16	6	54	4 8	0 9	7	53	4 11	9 12	9 1 53	17
16	7		5	55	4 37	0 52	5	55	4 40	9 55	9 1 30	♏
17	F	½ ris. 3h. 56m.	4	56	5 6	1 28	4	56	5 6	10 31	8 1 6	12
18	2	♃ ☽ ☾	2	58	5 32	2 2	2	58	5 31	11 5	8 0 42	25
19	3		1	59	Sets	2 10	1	59	Sets	11 13	8 0 18	♐
20	4	☉ Cent. ♀ spring	0 6	0 8	9	2 40	0	0	8 12	11 43	7 0 5	19
21	5	Arc. r. 7h. 3m.	5 58	2 9	8	3 12	5 58	2 9	12	0 15	7 0 29	♑
22	6	☿ ☽ ☉	57	3 10	5	3 44	57	3 10	11	0 47	7 0 52	12
23	7	☾ in apogee	56	4 11	3	4 22	55	5 11	9	1 25	7 1 16	25
24	F		54	6 11	55	5 1	54	6	morn	2 4	6 1 40	♒
25	2	☽ great. h. l. s.	53	7	morn	5 47	55	7	0 2	2 50	6 2 3	19
26	3		52	8	0 43	6 42	51	9	0 50	3 45	6 2 27	♓
27	4	☽ sets 9h. 44m.	51	9	1 29	7 54	50	10	1 35	4 57	5 2 50	13
28	5		49	11	2 10	9 13	48	12	2 15	6 16	5 3 13	25
29	6		48	12	2 47	10 26	47	13	2 51	7 29	5 3 37	♈
30	7	Spica r. 7h. 6m.	47	13	3 20	11 27	45	15	3 25	8 30	4 4 0	21
31	F	½ rises 3h. 5m.	46	14	3 51	0 18	44	16	3 52	9 21	4 4 23	☿

Christian's Choice.—I am frail, and the world is fading; but my soul is immortal, and God is eternal. If I pitch upon the creatures, either they may take wings like an eagle that fleeth towards heaven, or my soul may take its way with the rich fool, and go to hell; but if I choose God for my portion, then mercy and goodness

DL 2

THE
AMERICAN ALMANAC

AND

REPOSITORY

OF

USEFUL KNOWLEDGE,

FOR THE YEAR

1844.

BOSTON:
PUBLISHED BY DAVID H. WILLIAMS.
1843.

THE

X

AMERICAN ALMANAC

AND

REPOSITORY

OF

USEFUL KNOWLEDGE,

FOR THE YEAR

1844.

BOSTON:
PUBLISHED BY DAVID H. WILLIAMS.
1843.

The sign + is prefixed to the latitude, or declination, of the Sun, or other heavenly body, when *north*, and the sign — when *south*; but the former prefixed to the hourly motion of the Moon in latitude, indicates that she is approaching, and the latter that she is receding from, the *north* pole of the ecliptic.

The letters *M. A.*, *m. a.*, denote *Morning* and *Afternoon*.

CHRONOLOGICAL CYCLES.

Dominical Letters,	G, F.	Solar Cycle,	5
Epact	11	Roman Indiction,	2
Lunar Cycle, or Golden Number, 2		Julian Period,	6557

SIGNS OF THE ZODIAC.

Spring signs.	{ 1. ♈ Aries.	Autumn signs.	{ 7. ♎ Libra.
	{ 2. ♉ Taurus.		{ 8. ♏ Scorpio.
	{ 3. ♊ Gemini.		{ 9. ♐ Sagittarius.
Summer signs.	{ 4. ♋ Cancer.	Winter signs.	{ 10. ♑ Capricornus.
	{ 5. ♌ Leo.		{ 11. ♒ Aquarius.
	{ 6. ♍ Virgo.		{ 12. ♓ Pisces.

BEGINNING AND LENGTH OF THE SEASONS.

			h. m. s.			
Sun enters ♐ (Winter begins)	1843, Dec. 22d,		5	40	26	} M. Time at Wash'ton.
" " ♈ (Spring " " " " "	1844, March 20th,		6	45	58	
" " ♊ (Summer " " " " "	June 21st,		3	37	54	
" " ♎ (Autumn " " " " "	Sept. 22d,		5	48	51	
" " ♍ (Winter " " " " "	Dec. 21st,		11	22	56	

	d. h. m. s.			
Sun in the Winter Signs	89	1	5	32
" " Spring	92	26	51	56
" " Summer	93	14	10	57
" " Autumn	89	17	24	5
" north of Equator, (Spring and Summer)	186	11	2	53
" south of " (Winter and Autumn)	178	18	29	37

Length of the tropical year, commencing at the winter solstice, 1843, and terminating at the winter solstice, 1844,	} 365 5 32 30
Mean or average length of the tropical year,	

Day of the Month.	Star's Name.	Magnitude.	Washington, Mean Time of apparent conjunction in R. A. of Moon and Star.	At the time of Conjunction.			Limiting Parallels between which the occult is visible
				Apparent R. A. of Moon and Star.	Apparent Declination of Star.	Star N. or S. of Moon.	
Au. 29	16 ♃	6	h. m. s. 5 27 43 M.	h. m. s. 28 30.15	° ' " N. 1 14 47.7 N.	° ' " S. 38 49 S.	88 N. 1 S.
Sept. 2	40 ♄	6	5 14 32 M.	2 39 51.43	17 38 12.4 N.	15 52 S.	56 N. 12 S.
	5 ⁿ ♃	5.6	4 47 43	5 9 54.12	21 55 52.3	12 7	52 3
	24 G =	6	1 22 19	22 16 2.86	5 36 55.2 S	14 59	54 23
	25 m ♃	6	6 20 36 A.	23 28 29.97	2 37 49.4 N.	14 30	53 24
Oct. 2	♄ 8	4.5	5 3 45 M.	4 53 50.92	21 21 47.5 N.	28 38 S.	75 N. 12 N.
	♄ 8	3.4	9 19 11 A.	5 28 23.66	21 2 33.0	46 22	90 31
	3 ^r ♄	5	9 30 5	6 19 45.92	20 18 15.7	38 30	90 18
	5 ^f ♄	6	7 2 22 M.	7 30 31.30	18 1 21.8	7 10	45 19 S.
	6 ²⁹ ♄	6	6 39 47	8 19 53.26	14 43 16.1	24 42	66 24
	7 ^z ♄	5.6	1 38 2	59 20.34	11 17 21.5	52 35	90 19 N.
	9 ^u ♄	6	5 22 17	10 47 42.67	1 33 52.9	35 44	80 4 S.
	17 ^d ♄	5	6 17 44 A.	19 8 34.00	19 13 15.8 S.	6 11	31 32
	19 ^v ♄	5	7 27 51	21 1 9.46	11 59 36.2	3 22	37 34
	22 ^u ♃	6	7 45 10	23 28 30.25	1 14 49.9 N.	42 58	90 5 N.
	23 ^m ♃	6	0 52 52 M.	38 29.72	2 37 53.9	19 19	58 19 S.
	26 ^r ♃	5	8 31 49 A.	2 40 40.94	16 49 4.2	51 24	90 26 N.
	27 ^z ♄	6	11 40 9	2 47 7.68	17 42 11.2	18 55	59 8 S.
	30 ^z ♄	3.4	4 26 58 M.	5 28 24.44	21 2 32.9	37 3	90 21 N.
	31 ^v ♄	5	4 47 23	6 19 46.75	20 18 14.6	28 22	74 7
Nov. 11	♄ 8	6	11 21 52 A.	7 48 11.52	16 12 0.1 N.	46 52 N.	90 N. 19 N.
	2 ^A ♄	6	11 59 54	8 38 25.90	12 40 33.2	56 38	90 27
	3 ^u ♄	5	5 42 25 M.	50 0.64	12 27 14.4	16 45	56 16 S.
	6 ^e ♄	4.5	7 53 8	11 22 23.51	2 8 51.3 S.	43 28	83 3 N.
	18 ^z ♃	5.6	8 33 35 A.	23 18 59.28	0 24 42.9 N.	42 4	90 4
	18 ^z ♃	6	43 42	19 19.15	0 16 34.6	52 6	90 15
	19 ¹⁶ ♃	6	1 24 56 M.	28 29.90	1 14 48.4	48 37	90 16
	23 ^r ♄	5	2 52 19	2 40 41.14	16 49 4.8	52 20	90 28
	23 ^r ♄	6	6 1 33	47 7.89	17 42 11.9	19 41	60 7 S.
	23 ^r ♄	6	18 53	43.35	17 24 4.8	39 38	90 14 N.
	24 ^z ♄	5.6	9 00 9 A.	4 8 12.88	20 11 37.7	51 11	90 34
	25 ⁱ ♄	4.3	6 34 4	53 52.22	21 21 48.1	18 41	60 3 N.
	105 ^z ♄	6	8 50 36	58 42.08	21 29 40.6	12 3	51 3 S.
	26 ^o ♄	5	6 6 9 M.	5 18 21.77	21 47 55.0	6 32 N.	31 22
Dec. 1	C Sextans	6	11 11 58 A.	9 58 41.29	6 21 52.9 N	22 34 S.	62 N. 15 S.
	2 ^u ♄	6	11 45 54	10 47 44.44	1 33 41.7	25 42	66 13
	3 ^p ♄	6	3 41 51 M.	55 40.96	0 50 1.2	22 5	61 17
	14 G =	6	8 16 40 A.	22 16 1.88	5 36 55.9 S.	29 53	71 10
	23 ⁱ ♄	4.5	0 47 49 M.	4 53 52.52	21 21 47.9 N.	19 1	60 3
	♄ 8	3.4	5 2 1 A.	5 28 25.47	21 2 31.9	36 10	90 20 N.
	24 ¹⁶ ♄	6	4 46 54	6 18 45.70	20 34 57.8	12 46	52 8 S.
	♄ 8	5	5 16 24	19 48.01	20 18 12.0	27 53	73 7 N.
	27 ²⁹ ♄	6	3 22 42 M.	8 19 59.92	14 43 5.6	15 7	41 16 S.
	♄ 8	5.6	11 1 58 A.	59 22.79	11 17 9.1	44 29	90 11 N.
	29 C Sextans	6	5 3 35 M.	9 58 42.19	6 21 47.7	28 35	71 9 S.
	30 ^u ♄	6	5 56 16	10 47 44.99	1 33 38.7	32 28	86 6
	31 ^e ♄	4.5	11 19 13 A.	11 22 25.18	2 9 1.9 S.	48 41 S.	88 N. 10 N.

Near Approaches to the Stars, and their Occultations by the Planets, for the year 1844.

Star's Name.	Magnitude.	Washington, Mean Time of apparent conjunction in Right Ascension.		At the time of Conjunction.											
				Star's apparent Right Ascension.			Star's apparent Declination.			Star N. or S. of Planet.	Planet's hourly mo.				
		d.	h. m.	h. m.	s.	°	'	"	S.	i	μ	s.	"		
MERCURY.															
θ ♄	5.6	Jan. 13	3 17 A.	20 57	9.90	17 50	53.8	S.	2	40.1	S.	10.02	E.	74.6	N.
5 ♄	5	Feb. 17	7 59	18 23.54		18 42	58.5		4	43.8		7.84		3.3	S.
ν ♄	5		21 0 0	31	9.36	18 40	49.9		3	55.0		10.01		9.0	N.
θ ♄	5.6		27 9 14 M.	57	10.39	17 50	52.1		5	124 N.		12.25		29.0	
42 =	6	Mar. 11	0 39 A.	22 8	26.16	13 36	17.0		1	54.3		14.73		72.0	
38 ♃	6	Oct. 20	1 42	12 45	14.37	2 42	24.0		4	25.9	S.	13.94		91.0	S.
θ ♃	4.5		23 0 5	13 1	54.94	4 42	31.9		14	20.7		14.68		98.9	
759 (May)	6.7	Dec. 16	8 35	18 52	57.85	25 3	11.1		4	45.7		16.34		22.3	N.
764 (May)	7		17 6 16	58	45.57	24 53	31.0		4	59.7	N.	16.10		26.3	
κ ² †	6		20 11 25	19 16	6.29	24 15	30.0		6	22.4		15.06		37.3	
53 †	7		23 1 21 M.	30	29.72	23 46	17.0		8	42.3	S.	14.00		44.0	
796 (May)	6.7		4 42		47.42	23 46	29.6		5	24.8		13.95		44.2	
VENUS.															
31 ♀	6.7	Jan. 10	6 15 A.	21 9	21.14	18 6	39.5	S.	0	15.8	N.	12.56	E.	53.9	N.
58 =	6		26 2 55 M.	22 23	24.91	11 42	1.1		0	32.1		11.74		69.5	
64 =	6.7		27 6 2 A.	31	2.76	10 50	5.7		6	13.7		11.66		70.7	
968 (May)	7	Feb. 7	7 12	23 21	26.69	5 22	40.8		5	22.3		11.24		76.7	
ε ♀	6		20 10 12 M.	0 17	24.52	1 4	37.8	N.	2	24.0	S.	11.00		78.8	
ε ♀	6	Mar. 2	3 38	1 5	35.44	6 45	0.4		4	15.9		11.00		76.7	
π ♀	5		23 3 51 A.	2 40	35.78	16 48	48.9		1	17.2	N.	11.42		62.5	
ρ ³ ♀	6		25 4 47 M.	47	38.87	17 23	56.9		1	54.7	S.	11.42		61.9	
32 ♀	6	Apr. 7	2 11	3 47	40.02	22 0	52.4		2	9.8	N.	11.78		45.7	
γ ² ♀	6.7	May 16	11 15	6 49	51.92	26 7	21.5		1	14.7		10.54		12.8	S.
Α ♀	6		22 9 47	7 13	59.12	25 20	39.0		4	34.9	S.	9.85		20.2	
η =	6	June 13	9 20	8 23	42.18	20 57	53.5		2	13.6		5.75		36.1	
355 (May)	7		16 8 56 A.	30	54.48	20 5	5.1		4	11.8		4.81		36.6	
359 (May)	7		17 3 39 M.	31	25.63	20 12	51.6		7	47.1	N.	4.76		36.6	
360 (May)	6		17 4 52 M.	8 31	31.20	20 5	25.2		1	2.2		4.76		36.6	
49 ♀	6	Oct. 13	7 52 A.	10 26	53.16	9 27	3.6		5	30.4	S.	10.29		45.0	
η ♃	3.4	Nov. 7	5 36	12 11	58.18	0 11	48.9		9	47.6		10.77		62.4	
77 ♃	6.7		24 4 53 M.	13 25	19.70	6 49	18.4	S.	2	14.4		11.21		64.2	
μ =	5.6	Dec. 11	2 25	14 40	45.51	13 29	51.7		0	38.3		11.96		57.2	
phi.	4		27 1 34 A.	16 2	59.78	19 3	3.9		1	28.5		12.70		40.9	
phi.	5		30 3 0 M.	15	2.38	19 40	1.2		1	26.2	N.	12.83		37.3	
MARS.															
5 (May)	6.7	Jan. 26	6 24 M.	0 9	47.37	0 48	19.9	N.	0	53.3	N.	6.63	E.	43.8	N.
30 (May)	6.7	Feb. 10	9 48 A.		51 44.91	5 38	30.8		9	4.1		6.63		44.1	
5 ♀	7	May 31	6 5	6 1	59.30	24 26	55.8		1	47.4		7.22		0.6	
n ♃	6	Oct. 22	5 49 M.	12 10	38.70	0 4	37.1		2	48.7		5.83		38.3	S.
JUPITER.															
1704 (Ba.)	7	Feb. 12	1 45 M.	22 31	55.28	10 10	8.8	S.	5	47.7	N.	2.25	E.	13.1	N.
HERSCHEL.															
ε ♀	6	May 12	0 18 M.	0 17	24.99	1 4	41.1	N.	2	33.3	S.	0.39	E.	2.5	N.
ε ♀	6	Sept. 23	6 56 A.		28.50		5 3.6		1	16.0	N.	0.37	W.	2.4	S.

DARKNESS OF THE NIGHTS DURING THE YEAR 1844.

For Boston, New York, Philadelphia, Washington, &c.

The number of hours at the top of the page denotes the average time for the month from the end of evening twilight to the beginning of morning twilight.

The dots in the table denote the hours of entire darkness, when there is neither sun, moon, nor twilight, and their disposition denotes the hours before or after midnight.

Days of Month.	January	Feb'y	March	April	May	Jun.	July	Aug.	Sept.	Oct.	Nov.	Dec.
	12 h.	11 h.	9 h.	8 h.	7 h.	5 h.	6 h.	7 h.	8 h.	9 h.	11 h.	12 h.
1	•	•			•						••••	••••
2				•						••	••••D	••••D
3		•							••	••D	••••	•••••
4			•					••	••D	••••	•••••	•••••
5	•				••	••		••D	••••	••••	•••••	•••••
6		••		••••	••••	••D	••D	••	••••	•••••	•••••	•••••
7		••••		••••	••••	••••	••••	••••	•••••	•••••	•••••	•••••
8	••	••••		•••••	••••D	••	••	••••	•••••	•••••	•••••	•••••
9	••••	•••••	••	•••••D	•••••	••••	••••	•••••	•••••	•••••	•••••C	•••••
10	•••••	•••••D	••••D	•••••	•••••	••••	••••	••••	••••	••••	••••	••••
11	•••••	•••••	••••	••••	••••	••••	••••	••••	••C	••••	••••	••••
12	••••D	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
13	•••••	•••••	••••	••••	••••	••••	••••	••C	••••	••••	••••	••••
14	•••••	•••••	••••	••••	••••	••••	••C	••C	••••	••••	••••	••••
15	•••••	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
16	•••••	•••••	••••	••C	••C	••C	••••	••••	••••	••••	••C	••C
17	•••••	••C	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
18	•••••	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
19	••••C	•••••	••••	••••	••••	••••	••••	••••	••C	••C	••••	••••
20	•••••	•••••	••••	••••	••••	••••	••••	••C	••••	••••	••••	••••
21	•••••	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
22	••••	•••••	••••	••••	••••	••C	••C	••••	••••	••••	••••	••••
23	••••	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
24	••••	•••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
25	••••	••C	••••	••••	••C	••C	••••	••••	••••	••••	••••	••••
26	••C	••••	••C	••••	••••	••••	••••	••••	••••	••••	••••	••••
27	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
28	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
29	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
30	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
31	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••

Harvest Moon.

Hunter's Moon.

DARKNESS OF THE NIGHTS DURING THE YEAR 1844.

For Charleston, New Orleans, &c.

Days of Month.	January 11 h.	Feb'y. 10 h.	March 9 h.	April 8 h.	May 7 h.	June 7 h.	July 7 h.	Aug. 8 h.	Sept. 9 h.	Oct. 10 h.	Nov. 11 h.	Dec. 11 h.
1	..				●					..	....	....
2	.			●		.	.		..	...	....D	....D
3		●				.	.	..	...	....D	.....	....*
4			●		.	..	..	..	...D	....	.....*	.....*
5	●			..	..	...	..	...D	....	.....	.....**	.....**
6	.	.	.	...	...	...D	...D	...	...*	.....*	.....**	.....**
7	.	...	..	...	...	...	...	...	...**	...*	.....**	.....**
8	..	....	...	...*	...D	...*	...	...	...*	.....*	.....**	.....**
9	...	.....	.....	.....D	...*	...*	...*	...	.....	.....*	.....**	.....**
10	....	.....D	.....D	.....	...	...	...	...	.....	.....*	.....**	.....**
11	.....	.....**	.....**	.....**	.....**	.....**	.....**	.....	...C*****
12	.....D	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
13	.....**	.....**	.....**	.....**	.....**	.....**	.....**	...C	.....	.....*	.....**	.....**
14	.....**	.....**	.....**	.....**	.....**	.....**	...C	.....	.....	.....*	.....**	.....**
15	.....**	.....**	.....**	.....**	...C	.....**	.....**	.....	.....	.....*	.....**	.....**
16	.....**	.....**	.....**	...C	...C	...C	.....**	.....	.....	.....*	...C	...C
17	.....**	...C	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
18	.....**	.....**	...C	.....**	.....**	.....**	.....**	.....	.....	...C****
19	...C	.....**	.....**	.....**	.....**	.....**	.....**	.....	...C*****
20	.....**	.....**	.....**	.....**	.	.....**	.....**	...C	.....	.....*	.....**	.....**
21	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
22	.....**	.....**	.....**	.....**	.....**	...C	.....**	.....	.....	.....*	.....**	.....**
23	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
24	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
25	.....**	.....**	.....**	...C	...C	.....**	.....**	.....	.....	.....*	.....**	.....**
26	.....**	...C	...C	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
27	...C	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
28	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
29	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
30	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**
31	.....**	.....**	.....**	.....**	.....**	.....**	.....**	.....	.....	.....*	.....**	.....**

Harvest Moon.

Hunter's Moon.

Twilight begins and ends. Mean time.

	1st day.		7th day.		13th day.		19th day.		25th day.	
	Begins. h. m.	Ends. h. m.	Begins. h. m.	Ends. h. m.	Begins. h. m.	Ends. h. m.	Begins. h. m.	Ends. h. m.	Begins. h. m.	Ends. h. m.
Boston,	4 7m.	8 1a.	3 55m.	8 9a.	3 43m.	8 18a.	3 31m.	8 27a.	3 19m.	8 37a.
N. York,	4 11	7 57	3 59	8 5	3 48	8 14	3 37	8 22	3 26	8 30
Wash.	4 15	7 53	4 4	8 1	3 53	8 9	3 43	8 17	3 33	8 25
Charles.	4 25	7 43	4 16	7 49	4 7	7 55	3 59	8 0	3 51	8 5
N. Orl's.	4 29	7 39	4 21	7 41	4 13	7 49	4 5	7 53	3 58	7 53

PERIGEE AND APOGEE OF THE MOON.

Perigee, 4th day, 6h. M.

Apogee, 19th day, 1h. A.

PHASES OF THE MOON.

Full Moon, 3d day, 1h. 49.5m. M. | New Moon, 17th day, 11h. 24.3m. M.
 Last Quarter, 9th day, 5h. 0.7m. A. | First Quarter, 25th day, 3h. 8.8m. A.

Days of Month.	Days of Week.	Sun's upper limb rises and sets, (corr. for refract.) M. T.										High Water. M. Time.		
		Boston, &c.		New York, &c.		Wash'ton, &c.		Charleston, &c.		N. Orleans, &c.		Boston, &c.	New York, &c.	Charleston, &c.
		rises. h. m.	sets. h. m.	rises. h. m.	sets. h. m.	rises. h. m.	sets. h. m.	rises. h. m.	sets. h. m.	rises. h. m.	sets. h. m.	h. m.	h. m.	h. m.
1 M.	5 43	6 26	5 45	6 24	5 46	6 22	5 49	6 20	5 50	6 19	10 25a	8 5a	6 25a	
2 Tu.	42	27	43	25	45	23	48	21	49	20	11 6	8 46	7 6	
3 W.	40	28	41	26	43	24	46	21	47	20	11 47	9 27	7 47	
4 Th.	38	29	39	27	41	24	45	22	46	21	10 10	8 30		
5 F.	36	30	37	28	40	25	44	23	45	21	0 30m	10 52	9 12	
6 S.	34	31	35	29	38	26	42	23	44	22	1 12	11 37	9 57	
7 Su.	5 32	6 32	5 33	6 30	5 36	6 27	5 41	6 24	5 43	6 22	1 57m		10 42a	
8 M.	31	33	32	31	35	28	39	25	41	23	2 42	0 22m	11 34	
9 Tu.	29	34	30	32	33	29	38	25	40	23	3 34	1 14		
10 W.	27	35	28	33	31	30	37	26	39	24	4 32	2 12	0 32m	
11 Th.	26	36	27	34	30	31	35	27	38	24	5 46	3 26	1 46	
12 F.	24	37	25	35	28	32	34	27	37	25	7 11	4 51	3 11	
13 S.	23	38	24	36	27	33	33	28	36	25	8 20	6 9	4 29	
14 Su.	5 21	6 39	5 23	6 37	5 26	6 34	5 32	6 29	5 35	6 26	9 31m	7 11m	5 31m	
15 M.	19	40	21	38	24	35	31	30	34	27	10 17	7 57	6 17	
16 Tu.	18	41	20	39	23	36	30	30	33	27	10 57	8 37	6 57	
17 W.	16	42	18	40	22	37	29	31	32	28	11 30	9 10	7 30	
18 Th.	14	43	16	41	20	38	28	32	31	29	0 5a	9 45	8 5	
19 F.	13	44	15	42	19	39	27	32	30	29	0 35	10 15	8 35	
20 S.	11	45	13	43	17	40	25	33	29	30	1 6	10 46	9 6	
21 Su.	5 10	6 47	5 12	6 45	5 16	6 41	5 24	6 34	5 28	6 30	1 38a	11 18m	9 38m	
22 M.	8	48	10	46	14	42	23	35	27	31	2 11	11 51	10 11	
23 Tu.	6	49	9	47	13	43	22	35	26	31	2 45	0 25a	10 45	
24 W.	5	50	8	48	12	44	21	36	25	32	3 27	1 7	11 27	
25 Th.	3	52	6	49	10	45	20	37	24	33	4 16	1 50	0 10a	
26 F.	2	53	5	50	9	46	19	37	23	33	5 20	3 0	1 20	
27 S.	1	54	4	51	8	47	18	38	22	34	6 39	4 19	2 39	
28 Su.	4 59	6 55	5 2	6 52	5 6	6 48	5 16	6 39	5 20	6 35	7 50a	5 30a	3 50a	
29 M.	58	57	1	53	5	49	15	39	19	35	8 56	6 36	4 56	
30 Tu.	56	58	0	54	3	50	14	40	18	36	9 47	7 27	5 47	

Twilight begins and ends. Mean Time.

	1st day.		7th day.		13th day.		19th day.		25th day.	
	Begins.	Ends.	Begins.	Ends.	Begins.	Ends.	Begins.	Ends.	Begins.	Ends.
	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.
Boston,	4 23m	7 17a	4 30m	7 6a	4 37m	6 55a	4 44m	6 46a	4 50m	6 35a
N. York,	4 25	7 15	4 32	7 4	4 38	6 54	4 44	6 46	4 50	6 38
Wash'ton,	4 27	7 13	4 33	7 3	4 38	6 54	4 44	6 46	4 50	6 33
Cha'ston,	4 32	7 8	4 36	7 0	4 40	6 52	4 45	6 45	4 49	6 39
N. Orl's,	4 34	7 6	4 37	6 58	4 41	6 51	4 45	6 45	4 48	6 40

APOGEE AND PERIGEE OF THE MOON.

Apogee, 1st day, 7h. M. | Perigee, 13th day, 5h. A. | Apogee, 29th day, 10h. M

PHASES OF THE MOON.

Last Quarter, 4th day, 11h. 21.0m. M. | First Quarter, 18th day, 10h. 7.6m. M.
 New Moon, 11th " 6h. 15.7m. A. | Full Moon, 25th " 11h. 56.5m. M.

Days of Month.	Days of Week.	Sun's upper limb rises and sets, (corr. for refract.) M. T.												High Water. M. Time.		
		Boston, &c.		New York, &c.		Wash'ton, &c.		Charleston, &c.		N. Orleans, &c.		Boston, &c.	New York, &c.	Charleston, &c.		
		rises.	sets.	rises.	sets.	rises.	sets.	rises.	sets.	rises.	sets.	h. m.	h. m.	h. m.		
1	Tu.	5 56	5 43	5 56	5 43	5 56	5 43	5 54	5 45	5 53	5 46	1 48m	0 00	10 40a		
2	W.	57	42	57	42	57	42	55	44	54	45	2 20	0 00	10 58		
3	Th.	58	40	58	41	58	40	55	43	54	44	2 59	0 39	11 39		
4	F.	59	39	59	39	59	39	56	42	55	43	3 39	1 19	11 39		
5	S.	6 1	38	6 0	38	6 0	38	56	41	56	42	4 29	2 9	0 29m		
6	Su.	6 2	5 36	6 1	5 37	6 1	5 37	5 57	5 40	5 56	5 41	5 43m	3 23m	1 43m		
7	M.	3	34	2	35	2	35	58	38	57	39	7 8	4 48	3 8		
8	Tu.	4	33	3	34	3	34	58	37	58	38	8 24	6 4	4 24		
9	W.	5	31	4	32	4	32	59	36	58	37	9 22	7 2	5 22		
10	Th.	6	29	5	31	5	31	6 0	35	59	36	10 6	7 46	6 6		
11	F.	8	28	6	29	6	30	0	34	6 0	35	11 6	8 26	7 6		
12	S.	9	26	7	28	7	29	1	33	0	34	11 24	9 4	7 24		
13	Su.	6 10	5 24	6 8	5 26	6 8	5 27	6 2	5 32	6 1	5 33	0 6a	9 46m	8 6m		
14	M.	11	22	9	25	9	25	2	30	2	32	0 48	10 28	8 48		
15	Tu.	12	20	10	23	10	24	3	29	2	31	1 31	11 11	9 31		
16	W.	13	19	11	22	11	22	4	28	3	29	2 17	11 57	10 17		
17	Th.	14	17	12	20	12	20	5	26	4	28	3 7	0 47a	11 7		
18	F.	15	16	13	18	13	19	5	25	4	27	4 3	1 43	0 3a		
19	S.	17	14	14	17	14	17	6	24	5	26	5 13	2 53	1 13		
20	Su.	6 18	5 13	6 15	5 15	6 15	5 16	6 7	5 23	6 6	5 25	6 40a	4 20a	2 40a		
21	M.	19	11	16	14	16	15	8	22	6	24	7 59	5 39	3 59		
22	Tu.	21	10	18	12	17	14	8	21	7	23	9 4	6 44	5 4		
23	W.	22	8	19	11	18	13	9	20	8	22	9 52	7 32	5 52		
24	Th.	23	7	20	10	19	12	10	19	8	21	10 35	8 15	6 35		
25	F.	24	5	21	8	20	10	11	18	9	20	11 11	8 51	7 11		
26	S.	25	4	22	7	21	9	11	17	10	19	11 48	9 28	7 48		
27	Su.	6 27	5 2	6 24	5 5	6 22	5 7	6 12	5 16	6 10	5 18	10 0a	8 20a	8 20a		
28	M.	28	1	25	4	23	5	13	15	11	17	0 20m	10 32	8 32		
29	Tu.	29	0	26	3	24	4	14	14	12	16	0 52	11 5	9 25		
30	W.	31	4 58	27	1	25	3	14	13	12	16	1 25	11 37	9 57		
31	Th.	32	57	28	0	26	2	15	12	13	15	1 57	10 32	10 32		

Passage of the Meridian (mean time) and Declination of the Planets.

	1st day.		7th day.		13th day.		19th day.		25th day.	
	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.
11 42m	+ 0 37	0 2a	+ 6 3	0 24a	+ 11 39	0 47a	+ 16 45	1 6a	+ 20 40	
2 41a	+ 20 12	2 45	+ 22 8	2 50	+ 23 45	2 55	+ 25 0	3 0	+ 25 53	
2 28	+ 18 15	2 21	+ 19 23	2 14	+ 20 24	2 8	+ 21 19	2 1	+ 22 7	
7 0m	- 19 19	6 46m	- 19 6	6 31m	- 18 52	6 16m	- 18 40	6 0m	- 18 29	
1 7a	+ 4 35	0 50a	+ 5 36	0 46a	+ 6 35	0 36a	+ 7 32	0 26a	+ 8 39	
3 42m	+ 16 38	3 15m	+ 18 12	2 52m	+ 19 42	2 26m	+ 21 6	1 59m	+ 22 24	
3 46	- 14 1	3 22	- 14 2	2 57	- 14 4	2 31	- 14 4	2 4	- 14 4	
10 36	- 5 43	10 18	- 5 11	9 59	- 4 40	9 41	- 4 10	9 22	- 3 41	
7 53	- 19 12	7 31	- 19 7	7 9	- 19 2	6 46	- 18 59	6 24	- 18 56	
11 31	+ 0 29	11 9	+ 0 37	10 46	+ 0 45	10 24	+ 0 52	10 1	+ 1 0	

Days of Month.	Moon Souths. Mean Time.	Moon rises or sets. Mean time.				
		Boston, &c.	N. York, &c.	Wash'tn, &c.	Chas'ton, &c.	N. Orl's, &c.
	h. m.	rises, h. m.	rises, h. m.	rises, h. m.	rises, h. m.	rises, h. m.
1	10 58a	4 51a	4 51a	4 51a	4 51a	4 51a
2	11 52	6 7	6 5	6 4	5 59	5 59
3	8	7 24	7 21	7 19	7 11	7 8
4	0 48m	8 42	8 38	8 34	8 21	8 19
5	1 47	9 57	9 52	9 48	9 33	9 28
6	2 48	11 7	11 2	10 56	10 40	10 34
S.	3 49m	...	...	11 50a	11 40a	11 34a
8	4 50	0 7m	0 1m	...	...	...
9	5 47	0 57	0 52	0 48m	0 34m	0 28m
10	6 41	1 39	1 35	1 31	1 18	1 15
11	7 31	2 13	2 11	2 8	1 58	1 55
12	8 18	2 43	2 41	2 38	2 33	2 31
13	9 2	3 10	3 10	3 9	3 5	3 5
S.	9 46m	3 36m	3 36m	3 37m	3 37m	3 38m
15	10 28	3 59	4 1	4 2	4 5	4 8
16	11 11	sets.	sets.	sets.	sets.	sets.
17	11 55	7 5a	7 3a	6 59a	6 49a	6 45a
18	0 39a	8 4	8 0	7 56	7 43	7 39
19	1 26	9 1	8 57	8 53	8 38	8 33
20	2 11	9 56	9 51	9 46	9 30	9 27
S.	3 3a	10 47a	10 42a	10 36a	10 20a	10 14a
22	3 52	11 31	11 27	11 22	11 6	11 1
23	4 41	...	...	...	11 50	11 45
24	5 30	0 12m	0 8m	0 4m	...	...
25	6 18	0 49	0 45	0 41	0 29m	0 25m
26	7 6	1 21	1 18	1 16	1 7	1 4
27	7 54	1 55	1 53	1 50	1 44	1 43
S.	8 44a	2 20m	2 19m	2 19m	2 17m	2 17m
29	9 35	2 49	2 50	2 51	2 52	2 54
30	10 30	3 19	3 20	3 23	3 29	3 32

PHENOMENA AND OBSERVATIONS.

Sundays and Holidays.

Washington Mean Time.	
d. h. m.	
1 2 4m.	☿ stationary.
7 8 52m.	♃ in Perihelion.
7 9 37a.	♁ in sup. ☉
8 5 57m.	♀ ♃ A ¹ ♃ * 0 49 S.
Good Friday.	
11 0 9m.	♃ ♃ ♃ ♃ 4 32 S.
Easter Sunday.	
12 7 22a.	♁ in ♁
13 6 47m.	♀ ♃ v ¹ ♃ * 1 13 S.
14 3 20a.	♃ ♃ ♃ ♃ 6 37 S.
15 4 6a.	♁ ♃ ♃ ♃ 5 58 S.
16 2 57a.	♀ ♃ T♃ * 1 46 S.
17 8 50m.	♁ in Perihelion.
Low Sunday.	
17 1 51a.	♁ ♃ ♃ ♃ ♃ 7 57 N.
18 0 0m.	♁ ♃ A ¹ ♃ * 0 34 N.
18 2 41a.	♁ ♃ ♃ ♃ ♃ 1 52 S.
19 7 47a.	♁ ♃ ♃ ♃ ♃
21 10 44m.	♁ ♃ ♃ ♃ ♃ ♃ 0 20 S.
21 11 56m.	♀ ♃ ♃ ♃ ♃ ♃ 2 45 N.
2d Sunday after Easter.	
25 0 11a.	♁ ♃ v ¹ ♃ * 0 21 N.
St. George.	
26 11 7a.	♁ ♃ ♃ ♃ ♃
27 4 59a.	♁ great. Hel. Lat. N.
28 3 4m.	♁ ♃ ♃ ♃ ♃ * 1 43 N.
28 8 54m.	♁ ♃ ♃ ♃ ♃ * 0 20 S.
3d Sunday after Easter.	
29 2 43a.	♀ great. Hel. Lat. N.
30 4 25a.	♀ ♃ B♃ * 1 50 S.

Passage of the Meridian (mean time) and Declination of the Planets.

	1st day.		7th day.		13th day.		19th day.		25th day.	
	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.	Souths. h. m.	Dec.
11 24m	— 2 12		10 53m	+ 0 45	10 42m	+ 0 37	10 46m	— 1 59	10 57m	— 5 46
8 55	+ 12 46		8 55	+ 11 22	8 56	+ 9 41	8 57	+ 7 46	8 59	+ 5 39
10 40	+ 5 19		10 30	+ 3 49	10 21	— 2 17	10 11	+ 0 45	10 2	— 0 47
7 23a	— 26 19		7 5a	— 26 4	6 47a	— 25 43	6 30a	— 25 20	6 13a	— 24 53
7 52m	+ 8 1		7 37m	+ 7 15	7 22m	+ 6 28	7 8m	+ 5 40	6 53m	+ 4 51
3 40a	+ 9 12		3 23a	+ 8 23	3 7a	+ 7 37	2 51a	+ 6 55	2 35a	+ 6 15
3 48a	— 22 56		3 33	— 23 23	3 18	— 23 40	3 3	— 24 13	2 49	— 24 35
11 10	— 2 26		10 44	— 2 44	10 17	— 2 59	9 52	— 3 13	9 26	— 2 25
7 29	— 20 37		7 5	— 20 37	6 42	— 20 37	6 19	— 20 35	5 56	— 20 33
11 32	+ 0 56		11 8	+ 0 50	10 43	+ 0 45	10 19	+ 0 40	9 55	+ 0 35

Days of Month.	Moon Souths. h. m.	Moon rises or sets. Mean Time.				
		Boston, &c.	N. York, &c.	Wash'ton, &c.	Char'ston, &c.	N. Ori's, &c.
		<i>rises.</i>	<i>rises.</i>	<i>rises.</i>	<i>rises.</i>	<i>rises.</i>
		h. m.	h. m.	h. m.	h. m.	h. m.
1	3 18m	8 27a	8 32a	8 38a	8 55a	9 2a
2	4 7	9 14	9 19	9 26	9 42	9 50
3	4 55	10 8	10 12	10 18	10 34	10 41
4	5 44	11 4	11 9	11 14	11 28	11 35
5	6 32	· · ·	· · ·	· · ·	· · ·	· · ·
S.	7 20m	0 4m	0 9m	0 12m	0 24m	0 31m
7	8 8	1 8	1 11	1 15	1 24	1 29
8	8 55	2 13	2 15	2 17	2 23	2 27
9	9 43	3 20	3 22	3 22	3 24	3 27
10	10 34	<i>sets.</i>	<i>sets.</i>	<i>sets.</i>	<i>sets.</i>	<i>sets.</i>
11	11 26	4 53a	5 0a	5 4a	5 11a	5 15a
12	0 21a	5 36	5 39	5 43	5 55	6 1
S.	1 19a	6 19a	6 23a	6 28a	6 42a	6 49a
14	2 19	7 8	7 14	7 20	7 35	7 43
15	3 21	8 6	8 12	8 19	8 35	8 44
16	4 21	9 11	9 16	9 22	9 37	9 46
17	5 20	10 19	10 23	10 29	10 43	10 49
18	6 14	11 26	11 30	11 34	11 45	11 52
19	7 6	· · ·	· · ·	· · ·	· · ·	· · ·
S.	7 54a	0 35m	0 27m	0 41m	0 49m	0 54m
21	8 40	1 42	1 43	1 46	1 50	1 54
22	0 25	2 46	2 47	2 47	2 49	2 50
23	10 9	3 48	3 48	3 48	3 46	3 46
24	10 54	<i>rises.</i>	<i>rises.</i>	<i>rises.</i>	<i>rises.</i>	<i>rises.</i>
25	11 39	4 39a	4 36a	4 40a	4 51a	4 55a
26	8	5 5	5 11	5 14	5 27	5 31
S.	0 26m	5 42a	5 46a	5 52a	6 7a	6 13a
28	1 13	6 23	6 28	6 34	6 50	6 57
29	2 1	7 10	7 15	7 21	7 37	7 45
30	2 50	8 0	8 5	8 11	8 27	8 35
31	3 38	8 55	9 0	9 5	9 20	9 27

PHENOMENA AND OBSERVATIONS.

Sundays and Holidays.

Washington Mean Time.

d.	h. m.	Phenomena
1	6 1a.	♃ ♄ ♃ * i 28 S.
2	8 43a.	♃ gr. elon. 46 13 W.
4	7 0a.	♃ stationary.
5	5 54a.	♃ in ♄
6	4 16a.	♃ stationary.
18th Sunday after Trinity.		
7	3 31m.	♀ ♄ ♃ * 0 39 S.
7	6 5m.	♀ ♄ ♃ * 1 20 N.
8	4 12m.	♃ ♄ ♃ * 5 24 S.
9	8 58m.	♀ ♄ ♃ * 4 43 N.
8	2 15a.	♃ ♄ ♃ * 1 39 S.
10	6 48m.	♃ ♄ ♃ * 6 25 N.
19th Sunday after Trinity.		
10	7 20m.	♃ in Perihelion.
10	3 50a.	♃ ♄ ♃ * 6 21 N.
13	6 41m.	♀ ♄ ♃ * 0 24 N.
13	7 12a.	♃ gr. elon. 18 4 W.
15	7 30a.	♀ in ♄
17	7 0m.	♀ gr. Hel. Lat. N.
20th Sunday after Trinity.		
18	9 40a.	♃ ♄ ♃ * 5 4 S.
20	3 27a.	♀ gr. Hel. Lat. N.
21	1 51m.	♀ ♄ ♃ * 1 0 N.
23	4 12m.	♃ ♄ ♃ * 6 56 S.
23	6 36a.	♃ ♄ ♃ * 5 43 S.
24	1 47m.	♃ ♄ ♃
21st Sunday after Trinity.		
24	9 57a.	♀ ♄ ♃ * 1 4 N.
26	0 51a.	♀ ♄ ♃ * 1 30 S.
27	3 27a.	♃ ♄ ♃
31	8 57a.	♀ ♄ ♃ * 0 31 S.

1844.

FOURTH MONTH.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Full Moon,	3	1	37 M.	3	2	14 M.	3	1	21 M.
Last Quarter,	9	5	8 A.	9	5	25 A.	9	4	32 A.
New Moon,	17	11	31 M.	17	11	48 M.	17	10	55 M.
First Quarter,	25	3	16 A.	25	3	33 A.	25	2	40 A.

D.	M.	REMARKS.	Phila. Penna. N. Jersey. Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				Sun's decl. North	D. ple	
			Sun rises	Sun sets	Moon sets	High water, Phil'a	Sun rises	Sun sets	Moon sets	High water, Boston			
			h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.	h. m.			
1	2	☾ sets 9h. 52m.	5 44	6 16	4 22	1 0	5 43	6 17	4 22	10 3	4	4 46	20
2	3	☽ sets 9h. 32m.	43	17	4 56	1 42	41	19	4 54	10 45	4	5 10	20
3	4	☽ rises 4h. 49m.	41	19	Rises	2 14	40	20	Rises	11 17	3	5 33	19
4	5	☾ in perigee	40	20	8 37	2 47	39	21	8 42	11 50	3	5 55	m
5	6	☽ rises 2h. 43m	39	21	9 50	3 29	37	23	9 53	0 32	3	6 18	19
6	7		38	22	10 58	4 13	36	24	11 4	1 16	2	6 41	f
7	F	☽ in perihelion	36	24	11 58	5 0	34	26	morn	2 3	2	7 3	19
8	2	☽ sup. ☽ ☉	55	25	morn	5 53	33	27	0 4	2 56	2	7 26	by
9	3	Reg. s. 8h. 46m	34	26	0 50	6 55	31	29	0 56	3 58	1	7 48	17
10	4		32	28	1 33	8 9	30	30	1 38	5 12	1	8 10	20
11	5	Ald. s. 9h. 54m	31	29	2 10	9 28	29	31	2 13	6 31	1	8 32	14
12	6	☽ sets 10h. 14m	30	30	2 40	10 40	27	33	2 42	7 43	1	8 54	26
13	7	☽ rises 4h. 11m	29	31	3 9	11 37	26	34	3 9	8 40	0	9 16	20
14	F	☽ ☽ ☾	28	32	3 35	0 21	24	36	3 34	9 42	0	9 37	23
15	2	☽ sets 9h. 27m	26	34	4 2	0 59	23	37	4 0	10 2	fst	9 59	20
16	3	☽ rises 2h. 0m	25	35	4 28	1 35	22	38	4 25	10 38	0	10 20	16
17	4	☽ in perihelion	24	36	Sets	2 7	21	39	Sets	11 10	1	10 41	28
18	5		23	37	7 58	2 16	19	41	8 3	11 19	1	11 2	20
19	6	☾ in apogee	21	39	8 54	2 50	18	42	9 0	11 53	1	11 23	22
20	7	☽ ☽ ☉	20	40	9 48	3 23	17	43	9 55	0 26	1	11 43	20
21	F	Atair r. 11h 18'	19	41	10 39	4 0	15	45	10 46	1 3	1	12 3	15
22	2	☽ rises 3h. 41m	18	42	11 25	4 39	14	46	11 32	1 42	2	12 24	27
23	3	☽ rises 1h. 34m	17	43	morn	5 23	13	47	morn	2 26	2	12 44	20
24	4	☽ sets 10h. 34m	15	45	0 7	6 12	11	49	0 12	3 15	2	13 3	21
25	5	☽ sets 9h. 21m.	14	46	0 46	7 11	10	50	0 48	4 14	2	13 23	20
26	6	☽ ☽ ☉	13	47	1 18	8 23	9	51	1 21	5 26	2	13 42	17
27	7	☽ great. H. L. N.	12	48	1 50	9 40	7	53	1 51	6 43	3	14 1	20
28	F		11	49	2 20	10 50	6	54	2 20	7 53	3	14 20	14
29	2	☽ great. H. L. N.	9	51	2 51	11 47	5	55	2 49	8 50	3	14 39	28
30	3	Ald. s. 10h. 13m	8	52	3 23	0 37	3	57	3 20	9 40	3	14 57	20

follow me whilst I live, and glory and eternity shall crown me when I die. I will therefore now resign that which I should soon lose, that so I may obtain that which I shall always enjoy.

Where charity keeps pace with gain, industry is blessed; but to slave to get, and keep it sordidly, is a sin against providence, a vice in government, and an injury to their neighbours.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Full Moon,	2	10	15 M.	2	10	32 M.	2	9	39 M.
Last Quarter,	9	3	22 M.	9	3	39 M.	9	2	46 M.
New Moon,	17	3	52 M.	17	4	9 M.	17	3	16 M.
First Quarter,	25	2	29 M.	25	2	46 M.	25	1	53 M.
Full Moon,	31	5	46 A.	31	6	3 A.	31	5	10 A.

D.M.	D.W	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.						Boston, N. England, N. York State and Michigan.						☉ m.	☽ North m.	
			Sun		Moon		High water, Phila.		Sun		Moon		High water, Bost'n				
			rises	sets.	sets.	sets.	rises	sets.	sets.	sets.	rises	sets.	sets.	sets.			
1	4	☽ sets 10h. 42m	5	7	6 53	4	0	1 23	5	2	6 58	3	55	10 26	3	15 15	28
2	5	☽ in perigee	6	54	rises	1	57	rises	1	59	rises	11	00	3	15 33	m	
3	6	☽ sets 9h. 16m.	5	55	8 35	2	32	2 32	0	7	0	8 41	11 35	3	15 51	28	
4	7	Siri. s. 9h. 1m.	4	56	9 44	3	18	3 18	4	59	1	9 51	0 21	3	16 8	♄	
5	1	☽ great. elo. E.	3	57	10 40	4	10	4 10	58	2	10 46	1 13	4	16 25	28		
6	2		2	58	11 28	4	50	4 50	57	3	11 34	1 53	4	16 42	♃		
7	3	☽ rises 0h. 43m	1	59	morn	5	39	5 39	55	5	morn	2	42	4	16 59	26	
8	4	☽ ☽ ☽	0	7	0	0	9	6 32	54	6	0 13	3 35	4	17 15	☽		
9	5	Spi. s. 10h. 9m.	4	59	1	0 42	7 31	53	7	0 44	4 34	4	17 31	23			
10	6		5	58	2	1 12	8 39	52	8	1 13	5 42	4	17 45	☾			
11	7	☽ rises 2h. 40m	5	57	3	1 39	9 48	51	9	1 39	6 51	4	18 2	19			
12	1	☽ ☽ ☽	5	56	4	2 4	10 52	50	10	2 4	7 55	4	18 17	☽			
13	2	☽ sets 10h. 40m	5	55	5	2 32	11 44	49	11	2 29	8 47	4	18 32	13			
14	3	☽ gr. elong E.	5	54	6	3 1	0 29	48	12	2 56	9 32	4	18 46	25			
15	4	☽ sets 9h. 9m.	5	53	7	3 29	1 7	47	13	3 23	10 10	4	19 0	♃			
16	5	☽ in apogee	5	52	8	sets	1 43	46	14	Sets	10 46	4	19 14	19			
17	6	☽ stationary	5	51	9	7 42	1 55	45	15	7 49	10 58	4	19 28	♄			
18	7		5	50	10	8 34	2 30	44	16	8 42	11 33	4	19 41	12			
19	1	Proc. s. 9h. 0m.	4	49	11	9 21	3 6	43	17	9 28	0 9	4	19 54	24			
20	2		4	48	12	10 4	3 41	42	18	10 10	0 44	4	20 6	☽			
21	3	☽ ris. 11h. 45m.	4	48	12	10 43	4 19	41	19	10 48	1 22	4	20 18	18			
22	4		4	47	13	11 17	4 58	40	20	11 22	2 1	4	20 30	29			
23	5	Arct. s. 10h. 45'	4	46	14	11 50	5 40	39	21	11 52	2 43	3	20 42	☽			
24	6	☽ sets 10h. 45m	4	45	15	0 19	7 36	38	22	0 20	4 39	3	21 3	☽			
25	7		4	45	15	0 19	7 36	38	22	0 20	4 39	3	21 3	☽			
26	1	Lyra s. 2h. 12m	4	44	16	0 48	8 52	37	23	0 47	5 55	3	21 14	23			
27	2	☽ sets 8h. 57m.	4	43	17	1 19	10 10	36	24	1 17	7 13	3	21 24	☽			
28	3	☽ in infer. ☽ ☽	4	43	17	1 52	11 21	36	24	1 48	8 24	3	21 34	21			
29	4		4	42	18	2 30	0 18	35	25	2 24	9 21	3	21 43	m			
30	5	☽ in perigee,	4	42	18	3 14	1 10	34	26	3 6	10 13	3	21 52	21			
31	6	☽ eclipsed,	4	41	19	Rises	1 46	34	26	Rises	10 49	3	22 0	♄			

Whether we eat, or whether we drink, all is to be done to the glory of God; so the most necessary actions, and the most urgent duties, if we forget him, may become means of dissipating the heart.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	4	11	28 M.	4	11	45 M.	4	10	52 M.
New Moon,	11	6	23 A.	11	6	40 A.	11	5	47 A.
First Quarter,	18	10	15 M.	18	10	32 M.	18	9	39 M.
Full Moon,	26	0	4 M.	26	0	21 M.	25	11	28 A.

D.	M.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.				Boston, N. England, N. York State and Michigan.				☉	Sun's decl. South.	☽
			Sun	Sun	Moon	High water, Phil'a.	Sun	Sun	Moon	High water, Bost'n			
			rises	sets.	rises.	H. M.	rises.	sets.	rises.	H. M.			
1	3		6 11	5 49	8 34	4 37	6 12	5 48	8 26	1 40	10	3 24	II
2	4	☽ in apogee	13	47	9 22	5 17	14	46	9 13	2 19	11	3 48	18
3	5	☽ south 7h. 21	14	46	10 15	5 58	15	45	10 7	3 01	11	4 11	26
4	6	☽ stationary	15	45	11 13	6 51	16	44	11 5	3 54	11	4 34	12
5	7	☽ in ☉	17	43	morn	8 59	18	42	morn	5 02	12	4 57	24
6	F	☽ stationary	18	42	0 11	9 9	19	41	0 5	6 12	12	5 20	Q
7	2	☽ iso. 10h. 43m.	19	41	1 12	10 23	21	39	1 7	7 26	12	5 43	19
8	3	Arc. s. 8h. 14m	21	39	2 16	11 21	22	38	2 13	8 31	13	6 6	☽
9	4	☽ rises 4h. 15m	22	38	3 21	0 19	24	36	3 19	9 22	13	6 29	16
10	5	☽ in perihelion	23	37	4 31	1 03	25	35	4 30	10 06	13	6 52	☽
11	6	Atair. s. 6h. 35	24	36	Sets	1 45	26	34	Sets	10 48	13	7 15	14
12	7	Fomal. s. 9h. 6	26	34	5 41	2 3	28	32	5 36	11 6	14	7 37	29
13	F	☽ per. ☽ gr. elo	27	37	6 22	2 45	29	31	6 15	11 47	14	8 0	☽
14	2	Ali. s. 11h. 22m	28	32	7 16	3 28	31	29	7 8	0 3	14	8 22	29
15	3	☽ south 6h. 54.	29	31	8 15	4 15	32	28	8 6	1 18	14	8 44	☽
16	4		31	29	9 17	5 4	33	27	9 9	2 7	14	9 6	☽
17	5	☽ great. h. l. n.	32	28	10 24	6 0	35	25	10 17	3 3	15	9 28	☽
18	6		33	27	11 32	7 6	36	24	11 26	4 9	15	9 50	26
19	7	☽ ☽ ☽	35	25	morn	8 21	37	23	morn	5 24	15	10 12	☽
20	F	☽ south 9h. 47.	36	24	0 39	9 40	39	21	0 34	6 43	15	10 33	23
21	2	Sirius r. 11h 39	37	23	1 44	10 44	40	20	1 41	7 47	15	10 55	☽
22	3		38	22	2 47	11 36	42	18	2 45	8 59	16	11 16	19
23	4	☽ ☽ ☽	40	20	3 48	0 19	43	17	3 48	9 22	16	11 37	☽
24	5	☽ ☽ ☽	41	19	4 48	0 57	45	15	4 49	10 0	16	11 58	14
25	6		42	18	5 48	1 31	46	14	5 51	10 34	16	12 19	27
26	7	☽ rises 4h. 15m	43	17	Rises	2 01	47	13	Rises	11 04	16	12 39	☽
27	F	Pollux r. 9h. 53	45	15	5 48	2 40	49	11	5 41	11 33	16	12 59	21
28	2		46	14	6 30	3 5	50	10	6 22	0 8	16	13 20	II
29	3	☽ in apogee	47	13	7 16	3 39	51	9	7 8	0 42	16	13 40	15
30	4	☽ south 7h. 33	48	12	8 8	4 13	53	7	8 0	1 16	16	13 59	23
31	5	Arit. s. 11h. 25	49	11	9 2	4 52	54	6	8 54	1 55	16	14 19	25

I have often wondered at the unaccountableness of man in this, among other things; that, though he loves changes so well, he should care so little to hear or think of his last, great, and, if he pleases, his best, change.—*Wm. Penn.*

He is a Judas, that will get money by any thing.

MOON'S PHASES.

	Philadelphia.			Boston.			Cincinnati.		
	D.	H.	M.	D.	H.	M.	D.	H.	M.
Last Quarter,	3	5	18 M.	3	5	35 M.	3	4	42 M.
New Moon,	10	4	35 M.	10	4	52 M.	10	3	59 M.
First Quarter,	16	8	30 A.	16	8	47 A.	16	7	54 A.
Full Moon,	24	6	41 A.	24	6	58 A.	24	6	5 A.

D.M.	D.W.	REMARKS.	Phila. Penna. N. Jersey, Ohio and Indiana.						Boston, N. England. N. York State and Michigan.						Sun's decl. South	D
			Sun		Moon		High water, Phila.		Sun		Moon		High water, Boston			
			rises.	sets.	rises.	sets.	h.	m.	rises.	sets.	rises.	sets.	h.	m.		
1	6	☽ rises 2h. 51m	6 51	5 9	9 57	5 41	6 55	5 5	9 51	2 35	16 14	38	10			
2	7		52	8	10 58	6 16	57	3	10 52	3 19	16 14	57	9			
3	F	☽ rises 3h. 58m	53	7	11 59	7 7	58	2	11 55	4 10	16 15	16	15			
4	2	☽ south 8h. 44.	54	6	morn	8 15	59	1	morn	5 18	16 15	34	27			
5	3	☽ sets 9h. 57m	55	5	1 3	9 29	7	0	0 1	6 32	16 15	52	27			
6	4	☽ ☽ ☽	56	4	2 8	10 28	1	4	59	2 7	7 31	16 16	10	24		
7	5	Arietes s. 11h 5	57	3	3 16	11 45	3	57	3 17	8 48	16 16	28	22			
8	6		58	2	4 29	0 40	4	56	4 32	9 43	16 16	46	22			
9	7	☽ eclipsed inv.	59	1	5 42	1 26	5	55	5 56	10 29	16 17	3	22			
10	F	Pollux r. 8h. 58	7	1 4	59	Sets	2 13	6	54	Sets	11 16	16 17	19	22		
11	2	☽ in perigee	2	58	5 59	2 34	7	53	5 51	11 37	16 17	36	21			
12	3		3	57	7 3	3 19	8	52	6 54	0 22	16 17	53	22			
13	4	☽ rises 3h. 49m	4	56	8 11	4 5	9	51	8 3	1 8	15 18	8	22			
14	5	☽ south 8h 3m	5	55	9 21	4 50	10	50	9 14	1 53	15 18	24	22			
15	6	☽ in sup. ☽ ☽	6	54	10 30	5 40	12	48	10 25	2 43	15 18	39	20			
16	7		7	53	11 36	6 35	13	47	11 33	3 38	15 18	54	20			
17	F	☽ rises 3h. 19m	8	52	morn	7 41	14	46	morn	4 44	15 19	9	22			
18	2	☽ in Perihelion	9	51	0 39	8 50	15	45	0 38	5 53	15 19	23	17			
19	3	☽ stationary	10	50	1 40	10 0	16	44	1 40	7 3	14 19	37	29			
20	4	☽ sets 9h. 7m	10	50	2 43	11 0	17	43	2 44	8 3	14 19	51	24			
21	5	Sirius ris. 9h 33	11	49	3 42	11 49	18	42	3 44	8 52	14 20	4	22			
22	6	☽ south 7h. 32.	12	48	4 42	0 31	19	41	4 45	9 34	14 20	17	22			
23	7	☽ in aphelion	13	47	5 39	1 9	20	40	5 44	10 12	13 20	29	18			
24	F	☽ eclipsed	14	46	6 36	1 46	21	39	6 41	10 49	13 20	42	11			
25	2	☽ in apogee	14	46	Rises	1 19	21	39	Rises	11 22	13 20	53	11			
26	3	Alloth s 8h. 56	15	45	6 3	2 51	22	38	5 55	11 54	12 21	4	23			
27	4	☽ ris. 3h. 37m.	16	44	6 56	3 20	23	37	6 48	0 23	12 21	15	22			
28	5		17	43	7 53	3 54	24	36	7 46	0 57	12 21	26	17			
29	6	Fom. s. 6h. 24.	18	42	8 50	4 29	25	35	8 44	1 32	11 21	36	29			
30	7	☽ rises 3h. 44m	18	42	9 50	5 5	25	35	9 45	2 8	11 21	46	9			

REPARATION.—If thou hast done an injury to another, rather own it than defend it. One way thou gainest forgiveness; the other, thou doublest the wrong and reckoning.

The preparation of the heart, as well as the answer of the tongue, is of the Lord; and to have it, our prayers must be powerful, and our worship grateful.

r. Amadon

The American Jewish Year Book 5678

105
414

September 17, 1917, to September 6, 1918

Edited by
SAMSON D. OPPENHEIM
for the
AMERICAN JEWISH COMMITTEE



PHILADELPHIA
THE JEWISH PUBLICATION SOCIETY OF AMERICA
1917

MOVABLE FESTIVALS OF THE CHURCH, IN 1844.

Septuagesima Sunday,	Feb. 4th	Rogation Sunday,	May 12th
Quinq. or Shrove do.	" 18th	Ascen. Day, or Holy Th.	" 16th
Ash Wed. Lent begins,	" 21st	Whitsunday or Pentecost,	" 26th
Mid Lent Sunday,	Mar. 17th	Trinity Sunday,	June 2d
Palm do	" 31st	Corpus Christi Day, }	" 6th
<i>Easter</i> do	Apr. 7th	Fête Dieu, }	
Low do	" 14th	Advent Sunday,	Dec. 1st

JEWISH CALENDAR.

[The anniversaries marked with an asterisk (*) are to be strictly observed.]

Year. Names of the Months.

5604	Thebet begins		Dec. 24, 1843.
"	" 10th	Fast for the Siege of Jerusalem	Jan. 2, 1844.
"	Sebat begins		" 22, "
"	Adar begins		Feb. 21, "
"	" 14th	*Purim	Mar. 5, "
"	" 15th	Schuscan Purim	" 6, "
"	Nisan begins		" 21, "
"	" 15th	*Beginning of the Passover	Apr. 4, "
"	" 16th	*Second Feast, or Morrow of the Passover	" 5, "
"	" 21st	*Seventh Feast	" 10, "
"	" 22d	*End of the Passover	" 11, "
"	Ijar begins		" 20, "
"	" 18th	Lag Beomer	May 7, "
"	Sivan begins		" 19, "
"	" 6th	*Feast of Weeks or Pentecost	" 24, "
"	" 7th	*Second Feast	" 25, "
"	Thammus begins		June 18, "
"	" 17th	Fast for the taking of the Temple	July 4, "
"	Ab begins		" 17, "
"	" 9th	*Fast for the burning of the Temple	" 25, "
"	Elul begins		Aug. 16, "
5605	Tisri begins	*Feast for the New Year	Sept. 14, "
"	" 2d	*Second Feast for the New Year	" 15, "
"	" 4th	Fast of Gedaljah,	" 17, "
"	" 10th	*Fast of the Reconciliation or Atone- ment	" 23, "
"	" 15th	*Feast of the Huts or Tabernacles	" 28, "
"	" 16th	*Second Feast of the Huts	" 29, "
	1*		



MOSES JACOB EZEKIEL

		5595 1834-35	5596 1835-36	5597 1836-37	5598 1837-38	5599 1838-39	5600 1839-40	5601 1840-41	5602 1841-42	5603 1842-43	5604 1843-44	
Tishri	1 New Year	Oct. 4	Sa Sept. 24	Th Sept. 12	M Sept. 30	Sa Sept. 9	Th Sept. 29	M Sept. 18	W Sept. 7	Th Sept. 25	Sa Sept. 14	W Oct. 4
	10 Day of Atonement	Oct. 13	M Oct. 3	Sa Sept. 21	W Oct. 9	M Sept. 29	Sa Sept. 18	W Oct. 7	Th Sept. 25	Sa Sept. 14	W Oct. 4	W
	15 Tabernacles	Oct. 18	Sa Oct. 8	Th Sept. 26	M Oct. 14	Sa Oct. 4	Th Sept. 23	M Oct. 12	M Sept. 30	Th Sept. 19	M Oct. 9	M
	22 8th Day of Feast	Oct. 25	Sa Oct. 15	Th Oct. 3	M Oct. 21	Sa Oct. 11	Th Sept. 30	M Oct. 19	M Oct. 7	Th Sept. 26	M Oct. 16	M
Heshvan	1 New Moon	*Nov. 3	M*Oct. 24	Sa*Oct. 12	W*Oct. 30	M*Oct. 20	Sa*Oct. 9	W*Oct. 28	W*Oct. 16	Sa*Oct. 5	W*Oct. 25	W
Kislev	1 New Moon	*Dec. 3	W Nov. 22	S Nov. 10	Th*Nov. 29	W Nov. 18	S*Nov. 8	F Nov. 26	Th Nov. 14	S*Nov. 4	F*Nov. 24	F
	25 Hanukkah	Dec. 27	Sa Dec. 16	W Dec. 4	S Dec. 23	Sa Dec. 12	W Dec. 2	M Dec. 20	S Dec. 8	W Nov. 28	M Dec. 18	M
Tebet	1 New Moon	*Jan. 2	F*Dec. 22	T Dec. 9	F*Dec. 29	F*Dec. 18	T*Dec. 8	S Dec. 25	F*Dec. 14	T*Dec. 4	S*Dec. 24	S
	10 Fast of Tebet	Jan. 11	S Dec. 31	Th Dec. 18	S Jan. 7	S Dec. 27	Th Dec. 17	T Jan. 3	S Dec. 23	Th Dec. 13	T Jan. 2	T
Shebat	1 New Moon	Jan. 31	Sa Jan. 20	W Jan. 7	Sa Jan. 27	Sa Jan. 16	W Jan. 6	M Jan. 23	Sa Jan. 12	W Jan. 2	M Jan. 22	M
Adar	1 New Moon	*Mar. 2	M*Feb. 19	F*Feb. 6	M*Feb. 26	M*Feb. 15	F*Feb. 5	W*Feb. 22	M*Feb. 11	F*Feb. 1	W*Feb. 21	W
Adar Sheni	1 New Moon			*Mar. 8	W		*Mar. 6	F		*Mar. 3	F	
	14 Purim	Mar. 15	S Mar. 3	Th Mar. 21	T Mar. 11	S Feb. 28	Th Mar. 19	Th Mar. 7	S Feb. 24	Th Mar. 16	Th Mar. 5	T
Nisan	1 New Moon	Mar. 31	T Mar. 19	Sa Apr. 6	Th Mar. 27	T Mar. 16	Sa Apr. 4	Sa Mar. 23	T Mar. 12	Sa Apr. 1	Sa Mar. 21	Th
	15 Passover	Apr. 14	T Apr. 2	Sa Apr. 20	Th Apr. 10	T Mar. 30	Sa Apr. 18	Sa Apr. 6	T Mar. 26	Sa Apr. 15	Sa Apr. 4	Th
Iyar	1 New Moon	*Apr. 30	Th*Apr. 18	M*May 6	Sa*Apr. 26	Th*Apr. 15	M*May 4	M*Apr. 22	Th*Apr. 11	M*May 1	M*Apr. 20	Sa
	18 33d Day of 'Omer	May 17	S May 5	Th May 23	T May 13	S May 2	Th May 21	Th May 9	S Apr. 28	Th May 18	Th May 7	T
Sivan	1 New Moon	May 29	F May 17	T June 4	S May 30	F May 14	T June 2	T May 21	F May 10	T May 30	T May 19	S
	6 Feast of Weeks	June 3	W May 22	S June 9	F May 30	W May 19	S June 7	S May 26	W May 15	S June 4	S May 24	F
Tammuz	1 New Moon	*June 28	S*June 16	Th*July 4	T*June 24	S*June 13	Th*July 2	Th*June 20	S*June 9	Th*June 29	Th*June 18	T
	17 Fast of Tammuz	July 14	T July 2	+Sa July 20	Th July 10	T June 29	+Sa July 18	+Sa July 6	T June 25	+Sa July 15	+Sa July 4	Th
Ab	1 New Moon	July 27	M July 15	F Aug. 2	W July 23	M July 12	F July 31	F July 19	M July 8	F July 28	F July 17	W
	9 Fast of Ab	Aug. 4	T July 23	+Sa Aug. 10	Th July 31	T July 20	+Sa Aug. 8	+Sa July 27	T July 16	+Sa Aug. 5	+Sa July 25	Th
Elul	1 New Moon	*Aug. 26	W*Aug. 14	S*Sept. 1	F*Aug. 22	W*Aug. 11	S*Aug. 30	S*Aug. 18	W*Aug. 7	S*Aug. 27	S*Aug. 16	F

* Second day of New Moon.

+ Fast observed on following day.

		5605 1844-45	5606 1845-46	5607 1846-47	5608 1847-48	5609 1848-49	5610 1849-50	5611 1850-51	5612 1851-52	5613 1852-53	5614 1853-54	
Tishri	1 New Year	Sept. 14	Sa Oct. 2	Th Sept. 21	M Sept. 11	Sa Sept. 28	Th Sept. 17	M Sept. 7	Sa Sept. 27	Sa Sept. 14	T Oct. 3	M
	10 Day of Atonement	Sept. 23	M Oct. 11	Sa Sept. 30	W Sept. 20	M Oct. 7	Sa Sept. 26	W Sept. 16	M Oct. 6	M Sept. 23	Th Oct. 12	W
	15 Tabernacles	Sept. 28	Sa Oct. 16	Th Oct. 5	M Sept. 25	Sa Oct. 12	Th Oct. 1	M Sept. 21	Sa Oct. 11	Sa Sept. 28	Th Oct. 17	M
	22 8th Day of Feast	Oct. 5	Sa Oct. 23	Th Oct. 12	M Oct. 2	Sa Oct. 19	Th Oct. 8	M Sept. 28	Sa Oct. 18	Sa Oct. 5	T Oct. 24	M
Heshvan	1 New Moon	*Oct. 14	M*Nov. 1	Sa*Oct. 21	W*Oct. 11	M*Oct. 28	Sa*Oct. 17	W*Oct. 7	M*Oct. 27	M*Oct. 14	Th*Nov. 2	W
Kislev	1 New Moon	Nov. 12	T Nov. 30	S*Nov. 20	F Nov. 9	T Nov. 26	S*Nov. 16	F*Nov. 6	W Nov. 25	T Nov. 12	F*Dec. 2	F
	25 Hanukkah	Dec. 6	F Dec. 24	W Dec. 14	M Dec. 3	F Dec. 20	W Dec. 10	M Nov. 30	Sa Dec. 19	F Dec. 6	M Dec. 26	M
Tebet	1 New Moon	Dec. 11	W*Dec. 30	T*Dec. 20	S Dec. 8	W*Dec. 26	T*Dec. 16	Sa*Dec. 6	F Dec. 24	W*Dec. 12	S*Jan. 1	S
	10 Fast of Tebet	Dec. 20	F Jan. 8	Th Dec. 29	T Dec. 17	F Jan. 4	Th Dec. 25	T Dec. 15	S Jan. 2	F Dec. 21	T Jan. 10	T
Shebat	1 New Moon	Jan. 9	Th Jan. 28	W Jan. 18	M Jan. 6	Th Jan. 24	W Jan. 14	M Jan. 4	Sa Jan. 22	Th Jan. 10	M Jan. 30	M
Adar	1 New Moon	*Feb. 8	Sa*Feb. 27	F*Feb. 17	W*Feb. 5	Sa*Feb. 23	F*Feb. 13	W*Feb. 3	M*Feb. 21	Sa*Feb. 9	W*Mar. 1	W
Adar Sheni	1 New Moon	*Mar. 10	M		*Mar. 6	M		*Mar. 5	W		*Mar. 11	F
	14 Purim	Mar. 23	S Mar. 12	Th Mar. 2	T Mar. 19	S Mar. 8	Th Feb. 26	T Mar. 18	T Mar. 5	F Mar. 24	Th Mar. 14	T
Nisan	1 New Moon	Apr. 8	T Mar. 28	Sa Mar. 18	Th Apr. 4	T Mar. 24	Sa Mar. 14	Th Apr. 3	Th Mar. 21	S Apr. 9	Sa Mar. 30	Th
	15 Passover	Apr. 22	T Apr. 11	Sa Apr. 1	Th Apr. 18	T Apr. 7	Sa Mar. 28	Th Apr. 17	Th Apr. 4	S Apr. 23	Sa Apr. 13	Th
Iyar	1 New Moon	*May 8	Th*Apr. 27	M*Apr. 17	Sa*May 4	Th*Apr. 23	M*Apr. 13	Sa*May 3	Sa*Apr. 20	T*May 9	M*Apr. 29	Sa
	18 33d Day of 'Omer	May 25	S May 14	Th May 4	T May 21	S May 10	Th Apr. 30	T May 20	T May 7	F May 26	Th May 16	T
Sivan	1 New Moon	June 6	F May 26	T May 16	S June 2	F May 22	T May 12	S June 1	S May 19	W June 7	T May 28	S
	6 Feast of Weeks	June 11	W May 31	S May 21	F June 7	W May 27	S May 17	F June 6	F May 24	M June 12	S June 2	F
Tammuz	1 New Moon	*July 6	S*June 25	Th*June 15	T*July 2	S*June 21	Th*June 11	T*July 1	T*June 18	F*July 7	Th*June 27	T
	17 Fast of Tammuz	July 22	T July 11	+Sa July 1	Th July 18	T July 7	+Sa June 27	Th July 17	Th July 4	S July 23	+Sa July 13	Th
Ab	1 New Moon	Aug. 4	M July 24	F July 14	W July 31	M July 20	F July 10	W July 30	W July 17	Sa Aug. 5	F July 26	W
	9 Fast of Ab	Aug. 12	T Aug. 1	+Sa July 22	Th Aug. 8	T July 28	+Sa July 18	Th Aug. 7	Th July 25	S Aug. 13	+Sa Aug. 3	Th
Elul	1 New Moon	*Sept. 3	W*Aug. 23	S*Aug. 13	F*Aug. 30	W*Aug. 19	S*Aug. 9	F*Aug. 29	F Aug. 16	M*Sept. 4	S*Aug. 25	F

* Second day of New Moon.

+ Fast observed on following day.

New years underscored in red occur on the date of conjunction J.C.T.
 Passovers underscored in black occur on date of full moon, J.C.T.

Passovers overscored in black represent 14 Nisan on full moon J.C.T.

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THE

NAUTICAL ALMANAC

AND

ASTRONOMICAL EPHEMERIS

FOR THE YEAR

1844.

PUBLISHED BY ORDER OF

THE LORDS COMMISSIONERS OF THE ADMIRALTY.

London:

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AND SOLD BY

JOHN MURRAY, ALBEMARLE STREET,
1840.

PRICE FIVE SHILLINGS.

AT APPARENT NOON.

Day of the Week.	Day of the Month.	THE SUN'S				Sidereal Time of the Semidiam. passing the Meridian.*	Equation of Time, to be added to Apparent Time.	Diff. for 1 hour.		
		Apparent Right Ascension.	Diff. for 1 hour.	Apparent Declination.	Diff. for 1 hour.					
		h m s	s	o ' "	"					
Frid.	1	22 50 7	36	9° 337	S. 7 25 21	3	57° 20	1 5 33	12 32 26	0 518
Sat.	2	22 53 51	44	9° 316	7 2 28	6	57° 42	1 5 26	12 19 83	0 529
Sun.	3	22 57 35	02	9° 296	6 39 30	0	57° 67	1 5 19	12 6 89	0 559
Mon.	4	23 1 18	13	9° 278	6 16 25	9	57° 89	1 5 12	11 53 48	0 577
Tues.	5	23 5 0	80	9° 260	5 53 16	6	58° 09	1 5 06	11 39 64	0 595
Wed.	6	23 8 43	04	9° 244	5 30 2	5	58° 28	1 5 00	11 25 36	0 611
Thur.	7	23 12 24	89	9° 228	5 6 43	8	58° 45	1 4 94	11 10 70	0 627
Frid.	8	23 16 6	35	9° 213	4 43 21	1	58° 60	1 4 88	10 55 65	0 642
Sat.	9	23 19 47	45	9° 199	4 19 54	7	58° 74	1 4 83	10 40 25	0 656
Sun.	10	23 23 28	23	9° 186	3 56 24	9	58° 87	1 4 78	10 24 51	0 668
Mon.	11	23 27 8	69	9° 174	3 32 52	1	58° 97	1 4 73	10 8 47	0 681
Tues.	12	23 30 48	87	9° 163	3 9 16	8	59° 07	1 4 69	9 52 13	0 692
Wed.	13	23 34 28	77	9° 152	2 45 39	1	59° 14	1 4 65	9 35 52	0 702
Thur.	14	23 38 8	42	9° 142	2 21 59	7	59° 20	1 4 61	9 18 67	0 712
Frid.	15	23 41 47	83	9° 134	1 58 18	8	59° 25	1 4 58	9 1 58	0 721
Sat.	16	23 45 27	04	9° 125	1 34 36	8	59° 28	1 4 55	8 44 28	0 730
Sun.	17	23 49 6	04	9° 117	1 10 54	2	59° 29	1 4 52	8 26 77	0 737
Mon.	18	23 52 44	86	9° 111	0 47 11	3	59° 28	1 4 50	8 9 09	0 743
Tues.	19	23 56 23	53	9° 105	S. 0 23 28	5	59° 26	1 4 47	7 51 26	0 750
Wed.	20	0 0 2	05	9° 100	N. 0 0 13	8	59° 23	1 4 45	7 33 27	0 755
Thur.	21	0 3 40	44	9° 095	0 23 55	3	59° 18	1 4 43	7 15 16	0 759
Frid.	22	0 7 18	72	9° 091	0 47 35	5	59° 11	1 4 42	6 56 94	0 764
Sat.	23	0 10 56	90	9° 088	1 11 14	1	59° 02	1 4 41	6 38 61	0 767
Sun.	24	0 14 35	00	9° 085	1 34 50	6	58° 93	1 4 40	6 20 21	0 769
Mon.	25	0 18 13	05	9° 084	1 58 24	8	58° 82	1 4 39	6 1 76	0 770
Tues.	26	0 21 51	06	9° 082	2 21 56	4	58° 68	1 4 39	5 43 27	0 772
Wed.	27	0 25 29	04	9° 082	2 45 24	8	58° 54	1 4 39	5 24 74	0 772
Thur.	28	0 29 7	02	9° 084	3 8 49	7	58° 39	1 4 40	5 6 22	0 770
Frid.	29	0 32 45	03	9° 085	3 32 11	1	58° 22	1 4 40	4 47 73	0 769
Sat.	30	0 36 23	07	9° 088	3 55 28	3	58° 03	1 4 41	4 29 27	0 767
Sun.	31	0 40 1	17	9° 092	4 18 41	1	57° 84	1 4 42	4 10 87	0 763
Mon.	32	0 43 39	37		N. 4 41 49	2		1 4 44	3 52 57	

* Mean Time of the Semidiameter passing may be found by subtracting 0^m 18 from the Sidereal Time.

AT MEAN NOON.

Day of the Week.	Day of the Month.	THE SUN'S			Equation of Time, to be subtracted from Mean Time.	Sidereal Time.
		Apparent Right Ascension.	Apparent Declination.	Semidiam.*		
Frid.	1	h m s 22 50 5.40	S. ° ' " 7 25 33.2	' " 16 9.1	m s 12 32.37	h m s 22 37 33.03
Sat.	2	22 53 49.52	7 24 40.4	16 8.9	12 19.93	22 41 29.59
Sun.	3	22 57 33.14	6 39 41.6	16 8.6	12 7.00	22 45 26.14
Mon.	4	23 1 16.29	6 16 37.3	16 8.4	11 53.60	22 49 22.69
Tues.	5	23 4 58.99	5 53 27.8	16 8.1	11 39.75	22 53 19.25
Wed.	6	23 8 41.27	5 30 13.5	16 7.9	11 25.48	22 57 15.80
Thur.	7	23 12 23.16	5 6 54.7	16 7.6	11 10.81	23 1 12.35
Frid.	8	23 16 4.67	4 43 31.8	16 7.3	10 55.76	23 5 8.90
Sat.	9	23 19 45.82	4 20 5.1	16 7.1	10 40.36	23 9 5.46
Sun.	10	23 23 26.63	3 56 35.1	16 6.8	10 24.62	23 13 2.01
Mon.	11	23 27 7.14	3 33 2.1	16 6.5	10 8.58	23 16 58.56
Tues.	12	23 30 47.36	3 9 26.5	16 6.3	9 52.24	23 20 55.11
Wed.	13	23 34 27.30	2 45 48.6	16 6.0	9 35.64	23 24 51.67
Thur.	14	23 38 7.00	2 22 8.9	16 5.7	9 18.78	23 28 48.22
Frid.	15	23 41 46.46	1 58 27.7	16 5.4	9 1.69	23 32 44.77
Sat.	16	23 45 25.70	1 34 45.4	16 5.2	8 44.38	23 36 41.32
Sun.	17	23 49 4.75	1 11 2.6	16 4.9	8 26.88	23 40 37.88
Mon.	18	23 52 43.62	0 47 19.4	16 4.6	8 9.19	23 44 34.43
Tues.	19	23 56 22.33	S. 0 23 36.3	16 4.3	7 51.35	23 48 30.98
Wed.	20	0 0 0.90	N. 0 0 6.4	16 4.1	7 33.37	23 52 27.53
Thur.	21	0 3 39.34	0 23 48.2	16 3.8	7 15.25	23 56 24.09
Frid.	22	0 7 17.67	0 47 28.7	16 3.5	6 57.03	0 0 20.64
Sat.	23	0 10 55.89	1 11 7.5	16 3.2	6 38.70	0 4 17.19
Sun.	24	0 14 34.04	1 34 44.4	16 3.0	6 20.29	0 8 13.74
Mon.	25	0 18 12.13	1 58 18.9	16 2.7	6 1.84	0 12 10.30
Tues.	26	0 21 50.19	2 21 50.8	16 2.4	5 43.34	0 16 6.85
Wed.	27	0 25 28.22	2 45 19.5	16 2.2	5 24.81	0 20 3.40
Thur.	28	0 29 6.25	3 8 44.7	16 1.9	5 6.29	0 23 59.96
Frid.	29	0 32 44.30	3 32 6.4	16 1.6	4 47.79	0 27 56.51
Sat.	30	0 36 22.39	3 55 24.0	16 1.3	4 29.33	0 31 53.06
Sun.	31	0 40 0.54	4 18 37.1	16 1.1	4 10.92	0 35 49.61
Mon.	32	0 43 38.78	N. 4 41 45.5	16 0.8	3 52.62	0 39 46.17

* The Semidiameter for *Apparent* Noon may be assumed the same as that for *Mean* Noon.

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	341° 3' 20" 8	S. 0' 53"	9.9963041	15 32' 1"	15 38' 8"	57 0' 4"	57 25' 1"
2	342° 3' 27" 3	0' 62"	9.9964134	15 45' 5"	15 52' 0"	57 49' 6"	58 13' 5"
3	343° 3' 31" 7	0' 67"	9.9965244	15 58' 2"	16 3' 9"	58 36' 3"	58 57' 3"
4	344° 3' 34" 2	0' 69"	9.9966371	16 9' 1"	16 13' 6"	59 16' 4"	59 32' 9"
5	345° 3' 34" 9	0' 69"	9.9967513	16 17' 3"	16 20' 2"	59 46' 5"	59 57' 1"
6	346° 3' 33" 7	0' 65"	9.9968671	16 22' 1"	16 23' 2"	60 4' 2"	60 8' 0"
7	347° 3' 30" 9	0' 59"	9.9969842	16 23' 3"	16 22' 5"	60 8' 5"	60 5' 6"
8	348° 3' 26" 2	0' 50"	9.9971025	16 21' 0"	16 18' 8"	59 59' 9"	59 51' 8"
9	349° 3' 19" 8	0' 39"	9.9972222	16 15' 9"	16 12' 6"	59 41' 4"	59 29' 1"
10	350° 3' 11" 7	0' 26"	9.9973429	16 8' 9"	16 4' 9"	59 15' 6"	59 0' 8"
11	351° 3' 2' 0	S. 0' 13"	9.9974644	16 0' 6"	15 56' 3"	58 45' 3"	58 29' 4"
12	352° 2' 50" 6	N. 0' 01"	9.9975868	15 51' 8"	15 47' 5"	58 13' 0"	57 56' 9"
13	353° 2' 37" 5	0' 14"	9.9977096	15 43' 1"	15 38' 7"	57 40' 8"	57 24' 9"
14	354° 2' 22" 7	0' 26"	9.9978329	15 34' 4"	15 30' 2"	57 8' 9"	56 53' 5"
15	355° 2' 6" 1	0' 37"	9.9979566	15 26' 0"	15 22' 0"	56 38' 3"	56 23' 3"
16	356° 1' 47" 7	0' 45"	9.9980803	15 18' 0"	15 14' 1"	56 8' 7"	55 54' 4"
17	357° 1' 27" 4	0' 50"	9.9982041	15 10' 3"	15 6' 6"	55 40' 5"	55 27' 0"
18	358° 1' 5' 2	0' 52"	9.9983278	15 3' 1"	14 59' 7"	55 14' 1"	55 1' 8"
19	359° 0' 41" 1	0' 52"	9.9984513	14 56' 6"	14 53' 7"	54 50' 2"	54 39' 7"
20	0 0 14" 9	0' 48"	9.9985744	14 51' 1"	14 48' 8"	54 30' 0"	54 21' 7"
21	0 59 46" 6	0' 41"	9.9986974	14 46' 9"	14 45' 3"	54 14' 5"	54 8' 9"
22	1 59 16" 2	0' 32"	9.9988202	14 44' 2"	14 43' 6"	54 4' 9"	54 2' 7"
23	2 58 43" 4	0' 21"	9.9989428	14 43' 6"	14 44' 1"	54 2' 5"	54 4' 5"
24	3 58 8" 3	N. 0' 09"	9.9990652	14 45' 3"	14 47' 1"	54 8' 8"	54 15' 3"
25	4 57 31" 0	S. 0' 04"	9.9991876	14 49' 6"	14 52' 7"	54 24' 4"	54 36' 1"
26	5 56 51" 4	0' 16"	9.9993101	14 56' 6"	15 1' 1"	54 50' 1"	55 6' 8"
27	6 56 9" 3	0' 29"	9.9994327	15 6' 3"	15 12' 1"	55 25' 9"	55 47' 1"
28	7 55 24" 9	0' 39"	9.9995556	15 18' 5"	15 25' 3"	56 10' 5"	56 35' 7"
29	8 54 38" 3	0' 48"	9.9996787	15 32' 6"	15 40' 1"	57 2' 3"	57 29' 9"
30	9 53 49" 2	0' 53"	9.9998022	15 47' 8"	15 55' 4"	57 58' 0"	58 26' 0"
31	10 52 57" 9	0' 57"	9.9999261	16 2' 9"	16 10' 0"	58 53' 5"	59 19' 5"
32	11 52 4' 5	S. 0' 57"	0.0000505	16 16' 5"	16 22' 4"	59 43' 6"	60 5' 0"

MEAN TIME.

		THE MOON'S																
Day of the Week.	Day of the Month.	Longitude.						Latitude.				Age.	Meridian					
		Noon.			Midnight.			Noon.		Midnight.		Noon.	Passage.					
		°	'	"	°	'	"	°	'	"	°	'	"	d	h	m		
Frid.	1	117	40	36	124	18	8	S. 3	6	56	S. 3	33	1	12	9	38	7	
Sat.	2	131	2	13	137	52	49	3	56	32	4	17	1	13	10	29	4	
Sun.	3	144	49	42	151	52	30	4	34	0	4	47	4	14	11	19	9	
Mon.	4	159	0	38	166	13	24	4	55	49	4	59	58	15	12	10	5	
Tues.	5	173	29	57	180	49	21	4	59	17	4	53	42	16	13	2	1	
Wed.	6	188	10	34	195	32	36	4	43	14	4	28	0	17	13	55	2	
Thur.	7	202	54	28	210	15	16	4	8	19	3	44	32	18	14	50	4	
Frid.	8	217	34	11	224	50	33	3	17	7	2	46	37	19	15	47	8	
Sat.	9	232	3	51	239	13	40	2	13	37	1	38	44	20	16	46	8	
Sun.	10	246	19	45	253	22	0	S. 1	2	34	S. 0	25	46	21	17	46	3	
Mon.	11	260	20	20	267	14	50	N. 0	11	6	N. 0	47	28	22	18	44	7	
Tues.	12	274	5	36	280	52	46	1	22	48	1	56	39	23	19	40	7	
Wed.	13	287	36	30	294	16	57	2	28	33	2	58	7	24	20	33	5	
Thur.	14	300	54	16	307	28	36	3	25	1	3	48	57	25	21	23	2	
Frid.	15	314	0	3	320	28	40	4	9	40	4	27	0	26	22	10	0	
Sat.	16	326	54	32	333	17	39	4	40	47	4	50	55	27	22	54	7	
Sun.	17	339	38	2	345	55	40	4	57	21	5	0	7	28	23	38	2	
Mon.	18	352	10	33	358	22	42	4	59	14	4	54	47	29	24	0		
Tues.	19	4	32	8	10	38	54	4	46	55	4	35	46	0	5	0	21	1
Wed.	20	16	43	7	22	44	55	4	21	32	4	4	26	1	5	1	4	2
Thur.	21	28	44	30	34	42	7	3	44	42	3	22	34	2	5	1	48	2
Frid.	22	40	38	5	46	32	46	2	58	17	2	32	8	3	5	2	33	3
Sat.	23	52	26	35	58	20	2	2	4	21	1	35	15	4	5	3	19	9
Sun.	24	64	13	39	70	7	59	1	5	4	N. 0	34	4	5	5	4	8	0
Mon.	25	76	3	40	82	1	21	N. 0	2	35	S. 0	29	8	6	5	4	57	1
Tues.	26	88	1	42	94	5	24	S. 1	0	47	1	32	3	7	5	5	47	0
Wed.	27	100	13	8	106	25	35	2	2	36	2	32	6	8	5	6	37	1
Thur.	28	112	43	22	119	7	5	3	0	10	3	26	24	9	5	7	27	0
Frid.	29	125	37	15	132	14	17	3	50	25	4	11	45	10	5	8	16	7
Sat.	30	138	58	29	145	49	59	4	30	0	4	44	43	11	5	9	6	2
Sun.	31	152	48	45	159	54	34	4	55	27	5	1	52	12	5	9	56	2
Mon.	32	167	7	1	174	25	26	S. 5	3	37	S. 5	0	27	13	5	10	47	3

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 1.</i>				<i>SUNDAY 3.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	7 56 27.21	N.17 35 15.8	86.38	0	9 42 18.23	N.8 56 54.2	127.10
1	7 58 40.40	17 26 37.5	87.42	1	9 44 29.91	8 44 11.6	127.70
2	8 0 53.55	17 17 53.0	88.45	2	9 46 41.59	8 31 25.4	128.32
3	8 3 6.66	17 9 2.3	89.45	3	9 48 53.27	8 18 35.5	128.98
4	8 5 19.73	17 0 5.6	90.48	4	9 51 4.95	8 5 42.2	129.47
5	8 7 32.76	16 51 2.7	91.48	5	9 53 16.63	7 52 45.4	130.03
6	8 9 45.75	16 41 53.8	92.47	6	9 55 28.31	7 39 45.2	130.58
7	8 11 58.70	16 32 39.0	93.48	7	9 57 40.00	7 26 41.7	131.12
8	8 14 11.61	16 23 18.1	94.45	8	9 59 51.70	7 13 35.0	131.65
9	8 16 24.48	16 13 51.4	95.45	9	10 2 3.41	7 0 25.1	132.17
10	8 18 37.31	16 4 18.7	96.42	10	10 4 15.14	6 47 12.1	132.67
11	8 20 50.09	15 54 40.2	97.38	11	10 6 26.88	6 33 56.1	133.15
12	8 23 2.83	15 44 55.9	98.35	12	10 8 38.63	6 20 37.2	133.62
13	8 25 15.53	15 35 5.8	99.30	13	10 10 50.41	6 7 15.5	134.10
14	8 27 28.19	15 25 10.0	100.25	14	10 13 2.20	5 53 50.9	134.53
15	8 29 40.81	15 15 8.5	101.18	15	10 15 14.02	5 40 23.7	134.98
16	8 31 53.38	15 5 1.4	102.12	16	10 17 25.87	5 26 53.8	135.40
17	8 34 5.92	14 54 48.7	103.03	17	10 19 37.75	5 13 21.4	135.82
18	8 36 18.41	14 44 30.5	103.95	18	10 21 49.66	4 59 46.5	136.22
19	8 38 30.87	14 34 6.8	104.85	19	10 24 1.60	4 46 9.2	136.58
20	8 40 43.28	14 23 37.7	105.75	20	10 26 13.58	4 32 29.7	136.97
21	8 42 55.66	14 13 3.2	106.65	21	10 28 25.59	4 18 47.9	137.33
22	8 45 8.00	14 2 23.3	107.52	22	10 30 37.65	4 5 3.9	137.67
23	8 47 20.30	N.13 51 38.2	108.40	23	10 32 49.75	N.3 51 17.9	138.00
<i>SATURDAY 2.</i>				<i>MONDAY 4.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	8 49 32.56	N.13 40 47.8	109.25	0	10 35 1.89	N.3 37 29.9	138.32
1	8 51 44.79	13 29 52.3	110.12	1	10 37 14.08	3 23 40.0	138.62
2	8 53 56.98	13 18 51.6	110.95	2	10 39 26.33	3 9 48.3	138.90
3	8 56 9.13	13 7 45.9	111.80	3	10 41 38.63	2 55 54.9	139.18
4	8 58 21.25	12 56 35.1	112.62	4	10 43 50.98	2 41 59.8	139.43
5	9 0 33.34	12 45 19.4	113.45	5	10 46 3.39	2 28 3.2	139.70
6	9 2 45.39	12 33 58.7	114.25	6	10 48 15.87	2 14 5.0	139.92
7	9 4 57.42	12 22 33.2	115.05	7	10 50 28.41	2 0 5.5	140.13
8	9 7 9.41	12 11 2.9	115.83	8	10 52 41.01	1 46 4.7	140.33
9	9 9 21.37	11 59 27.9	116.62	9	10 54 53.69	1 32 2.7	140.53
10	9 11 33.31	11 47 48.2	117.40	10	10 57 6.44	1 17 59.5	140.68
11	9 13 45.22	11 36 3.8	118.15	11	10 59 19.26	1 3 55.4	140.87
12	9 15 57.10	11 24 14.9	118.90	12	11 1 32.16	0 49 50.2	141.00
13	9 18 8.96	11 12 21.5	119.65	13	11 3 45.14	0 35 44.2	141.13
14	9 20 20.80	11 0 23.6	120.38	14	11 5 58.21	0 21 37.4	141.25
15	9 22 32.61	10 48 21.3	121.08	15	11 8 11.36	N.0 7 29.9	141.35
16	9 24 44.41	10 36 14.8	121.82	16	11 10 24.60	S.0 6 38.2	141.42
17	9 26 56.18	10 24 3.9	122.50	17	11 12 37.93	0 20 46.7	141.50
18	9 29 7.94	10 11 48.9	123.20	18	11 14 51.36	0 34 55.7	141.55
19	9 31 19.69	9 59 29.7	123.87	19	11 17 4.88	0 49 5.0	141.58
20	9 33 31.42	9 47 6.5	124.55	20	11 19 18.50	1 3 14.5	141.62
21	9 35 43.13	9 34 39.2	125.18	21	11 21 32.23	1 17 24.2	141.60
22	9 37 54.84	9 22 8.1	125.85	22	11 23 46.06	1 31 33.8	141.62
23	9 40 6.54	9 9 33.0	126.47	23	11 25 59.99	1 45 43.5	141.58
24	9 42 18.23	N. 8 56 54.2		24	11 28 14.04	S.1 59 53.0	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .
<i>TUESDAY 5.</i>				<i>THURSDAY 7.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	11 28 14.04	S. 1 59 53.0	141.53	0	13 18 27.59	S. 12 45 14.0	120.72
1	11 30 28.21	2 14 2.2	141.48	1	13 20 49.94	12 57 18.3	119.88
2	11 32 42.48	2 28 11.1	141.42	2	13 23 12.50	13 9 17.6	119.05
3	11 34 56.88	2 42 19.6	141.33	3	13 25 35.28	13 21 11.9	118.18
4	11 37 11.40	2 56 27.6	141.22	4	13 27 58.26	13 33 1.0	117.32
5	11 39 26.05	3 10 34.9	141.10	5	13 30 21.46	13 44 44.9	116.43
6	11 41 40.82	3 24 41.5	140.98	6	13 32 44.86	13 56 23.5	115.52
7	11 43 55.72	3 38 47.4	140.82	7	13 35 8.48	14 7 56.6	114.62
8	11 46 10.76	3 52 52.3	140.65	8	13 37 32.31	14 19 24.3	113.67
9	11 48 25.92	4 6 56.2	140.47	9	13 39 56.35	14 30 46.3	112.73
10	11 50 41.23	4 20 59.0	140.28	10	13 42 20.61	14 42 2.7	111.77
11	11 52 56.67	4 35 0.7	140.05	11	13 44 45.07	14 53 13.3	110.78
12	11 55 12.26	4 49 1.0	139.83	12	13 47 9.75	15 4 18.0	109.80
13	11 57 27.99	5 3 0.0	139.58	13	13 49 34.64	15 15 16.8	108.78
14	11 59 43.87	5 16 57.5	139.32	14	13 51 59.74	15 26 9.5	107.78
15	12 1 59.91	5 30 53.4	139.05	15	13 54 25.04	15 36 56.2	106.78
16	12 4 16.09	5 44 47.7	138.78	16	13 56 50.56	15 47 36.6	105.70
17	12 6 32.43	5 58 40.1	138.43	17	13 59 16.28	15 58 10.8	104.63
18	12 8 48.93	6 12 30.7	138.12	18	14 1 42.22	16 8 38.6	103.55
19	12 11 5.59	6 26 19.4	137.77	19	14 4 8.36	16 18 59.9	102.47
20	12 13 22.41	6 40 6.0	137.40	20	14 6 34.70	16 29 14.7	101.37
21	12 15 39.39	6 53 50.4	137.02	21	14 9 1.25	16 39 22.9	100.25
22	12 17 56.54	7 7 32.5	136.63	22	14 11 28.00	16 49 24.4	99.13
23	12 20 13.87	S. 7 21 12.3	136.22	23	14 13 54.95	S. 16 59 19.2	97.98
<i>WEDNESDAY 6.</i>				<i>FRIDAY 8.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	12 22 31.36	S. 7 34 49.6	135.78	0	14 16 22.10	S. 17 9 7.1	96.83
1	12 24 49.03	7 48 24.3	135.35	1	14 18 49.45	17 18 48.1	95.67
2	12 27 6.87	8 1 56.4	134.90	2	14 21 17.00	17 28 22.1	94.48
3	12 29 24.89	8 15 25.8	134.42	3	14 23 44.74	17 37 49.0	93.30
4	12 31 43.09	8 28 52.3	133.92	4	14 26 12.67	17 47 8.8	92.10
5	12 34 1.47	8 42 15.8	133.42	5	14 28 40.79	17 56 21.4	90.88
6	12 36 20.04	8 55 36.3	132.88	6	14 31 9.10	18 5 26.7	89.65
7	12 38 38.79	9 8 53.6	132.35	7	14 33 37.60	18 14 24.6	88.42
8	12 40 57.73	9 22 7.7	131.80	8	14 36 6.28	18 23 15.1	87.17
9	12 43 16.86	9 35 18.5	131.22	9	14 38 35.14	18 31 58.1	85.90
10	12 45 36.19	9 48 25.8	130.63	10	14 41 4.18	18 40 33.5	84.63
11	12 47 55.70	10 1 29.6	130.03	11	14 43 33.39	18 49 1.3	83.35
12	12 50 15.41	10 14 29.8	129.42	12	14 46 2.78	18 57 21.4	82.06
13	12 52 35.32	10 27 26.3	128.77	13	14 48 32.34	19 5 33.7	80.75
14	12 54 55.42	10 40 18.9	128.12	14	14 51 2.06	19 13 38.2	79.43
15	12 57 15.72	10 53 7.6	127.45	15	14 53 31.95	19 21 34.8	78.12
16	12 59 36.22	11 5 52.3	126.77	16	14 56 2.00	19 29 23.5	76.78
17	13 1 56.93	11 18 32.9	126.07	17	14 58 32.21	19 37 4.2	75.43
18	13 4 17.84	11 31 9.3	125.35	18	15 1 2.57	19 44 36.8	74.08
19	13 6 38.95	11 43 41.4	124.62	19	15 3 33.07	19 52 1.3	72.72
20	13 9 0.26	11 56 9.1	123.87	20	15 6 3.73	19 59 17.6	71.35
21	13 11 21.78	12 8 32.3	123.10	21	15 8 34.53	20 6 25.7	69.97
22	13 13 43.51	12 20 50.9	122.32	22	15 11 5.47	20 13 25.5	68.58
23	13 16 5.45	12 33 4.8	121.53	23	15 13 36.54	20 20 17.0	67.18
24	13 18 27.59	S. 12 45 14.0		24	15 16 7.74	S. 20 27 0.1	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SATURDAY 9.</i>				<i>MONDAY 11.</i>			
0	^h 15 ^m 16 ^s 7.74	S. 20 27 0 11	65.78	0	^h 17 ^m 18 0 45	S. 22 55 21 0	6.08
1	15 18 39.07	20 33 34.8	64.38	1	17 20 31.65	22 54 44.5	7.57
2	15 21 10.52	20 40 1.1	62.95	2	17 23 2.71	22 53 59.1	9.05
3	15 23 42.09	20 46 18.8	61.52	3	17 25 33.62	22 53 4.8	10.52
4	15 26 13.78	20 52 27.9	60.10	4	17 28 4.37	22 52 1.7	11.98
5	15 28 45.57	20 58 28.5	58.65	5	17 30 34.97	22 50 49.8	13.45
6	15 31 17.47	21 4 20.4	57.20	6	17 33 5.40	22 49 29.1	14.90
7	15 33 49.47	21 10 3.6	55.75	7	17 35 35.66	22 47 59.7	16.37
8	15 36 21.56	21 15 38.1	54.30	8	17 38 5.75	22 46 21.5	17.80
9	15 38 53.74	21 21 3.9	52.82	9	17 40 35.66	22 44 34.7	19.25
10	15 41 26.00	21 26 20.8	51.35	10	17 43 5.38	22 42 39.2	20.68
11	15 43 58.35	21 31 28.9	49.88	11	17 45 34.92	22 40 35.1	22.10
12	15 46 30.77	21 36 28.2	48.38	12	17 48 4.26	22 38 22.5	23.53
13	15 49 3.26	21 41 18.5	46.90	13	17 50 33.40	22 36 1.3	24.93
14	15 51 35.81	21 45 59.9	45.42	14	17 53 2.34	22 33 31.7	26.35
15	15 54 8.42	21 50 32.4	43.92	15	17 55 31.07	22 30 53.6	27.75
16	15 56 41.09	21 54 55.9	42.42	16	17 57 59.58	22 28 7.1	29.13
17	15 59 13.80	21 59 10.4	40.92	17	18 0 27.88	22 25 12.3	30.52
18	16 1 46.56	22 3 15.9	39.40	18	18 2 55.96	22 22 9.2	31.90
19	16 4 19.35	22 7 12.3	37.90	19	18 5 23.81	22 18 57.8	33.27
20	16 6 52.18	22 10 59.7	36.38	20	18 7 51.44	22 15 38.2	34.63
21	16 9 25.03	22 14 38.0	34.87	21	18 10 18.83	22 12 10.4	35.97
22	16 11 57.90	22 18 7.2	33.35	22	18 12 45.98	22 8 34.6	37.33
23	16 14 30.79	S. 22 21 27.3	31.83	23	18 15 12.89	S. 22 4 50.6	38.65
<i>SUNDAY 10.</i>				<i>TUESDAY 12.</i>			
0	16 17 3.68	S. 22 24 38.3	30.32	0	18 17 39.56	S. 22 0 58.7	39.98
1	16 19 36.58	22 27 40.2	28.78	1	18 20 5.98	21 56 58.8	41.30
2	16 22 9.48	22 30 32.9	27.27	2	18 22 32.15	21 52 51.0	42.62
3	16 24 42.37	22 33 16.5	25.75	3	18 24 58.06	21 48 35.3	43.90
4	16 27 15.24	22 35 51.0	24.22	4	18 27 23.71	21 44 11.9	45.20
5	16 29 48.09	22 38 16.3	22.68	5	18 29 49.10	21 39 40.7	46.47
6	16 32 20.92	22 40 32.4	21.15	6	18 32 14.22	21 35 1.9	47.75
7	16 34 53.71	22 42 39.3	19.63	7	18 34 39.08	21 30 15.4	49.00
8	16 37 26.46	22 44 37.1	18.12	8	18 37 3.66	21 25 21.4	50.27
9	16 39 59.17	22 46 25.8	16.57	9	18 39 27.97	21 20 19.8	51.50
10	16 42 31.83	22 48 5.2	15.05	10	18 41 52.00	21 15 10.8	52.72
11	16 45 4.43	22 49 35.5	13.53	11	18 44 15.75	21 9 54.5	53.95
12	16 47 36.97	22 50 56.7	12.00	12	18 46 39.22	21 4 30.8	55.15
13	16 50 9.44	22 52 8.7	10.47	13	18 49 2.40	20 58 59.9	56.35
14	16 52 41.84	22 53 11.5	8.97	14	18 51 25.30	20 53 21.8	57.55
15	16 55 14.16	22 54 5.3	7.43	15	18 53 47.91	20 47 36.5	58.72
16	16 57 46.39	22 54 49.9	5.92	16	18 56 10.22	20 41 44.2	59.90
17	17 0 18.53	22 55 25.4	4.42	17	18 58 32.24	20 35 44.8	61.03
18	17 2 50.57	22 55 51.9	2.88	18	19 0 53.97	20 29 38.6	62.20
19	17 5 22.51	22 56 9.2	1.40	19	19 3 15.40	20 23 25.4	63.32
20	17 7 54.34	22 56 17.6	0.12	20	19 5 36.54	20 17 5.5	64.47
21	17 10 26.05	22 56 16.9	1.62	21	19 7 57.37	20 10 38.7	65.57
22	17 12 57.65	22 56 7.2	3.10	22	19 10 17.91	20 4 5.3	66.67
23	17 15 29.12	22 55 48.6	4.60	23	19 12 38.14	19 57 25.3	67.77
24	17 18 0.45	S. 22 55 21.0		24	19 14 58.07	S. 19 50 38.7	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>WEDNESDAY 13.</i>				<i>FRIDAY 15.</i>			
	<i>h m s</i>	<i>° ' "</i>	<i>"</i>		<i>h m s</i>	<i>° ' "</i>	<i>"</i>
0	19 14 58.07	S. 19 50 38.7	68.85	0	21 0 57.97	S. 12 39 9.6	107.37
1	19 17 17.70	19 43 45.6	69.92	1	21 3 3.44	12 28 25.4	107.90
2	19 19 37.02	19 36 46.1	70.97	2	21 5 8.65	12 17 38.0	108.42
3	19 21 56.03	19 29 40.3	72.02	3	21 7 13.61	12 6 47.5	108.93
4	19 24 14.74	19 22 28.2	73.07	4	21 9 18.32	11 55 53.9	109.42
5	19 26 33.14	19 15 9.8	74.08	5	21 11 22.77	11 44 57.4	109.90
6	19 28 51.23	19 7 45.3	75.10	6	21 13 26.98	11 33 58.0	110.37
7	19 31 9.02	19 0 14.7	76.10	7	21 15 30.95	11 22 55.8	110.85
8	19 33 26.49	18 52 38.1	77.08	8	21 17 34.67	11 11 50.7	111.28
9	19 35 43.66	18 44 55.6	78.08	9	21 19 38.16	11 0 43.0	111.73
10	19 38 0.52	18 37 7.1	79.03	10	21 21 41.40	10 49 32.6	112.17
11	19 40 17.06	18 29 12.9	80.00	11	21 23 44.42	10 38 19.6	112.58
12	19 42 33.30	18 21 12.9	80.95	12	21 25 47.20	10 27 4.1	113.00
13	19 44 49.23	18 13 7.2	81.87	13	21 27 49.76	10 15 46.1	113.38
14	19 47 4.85	18 4 56.0	82.80	14	21 29 52.09	10 4 25.8	113.78
15	19 49 20.15	17 56 39.2	83.72	15	21 31 54.20	9 53 3.1	114.17
16	19 51 35.15	17 48 16.9	84.62	16	21 33 56.09	9 41 38.1	114.53
17	19 53 49.84	17 39 49.2	85.50	17	21 35 57.76	9 30 10.9	114.88
18	19 56 4.23	17 31 16.2	86.37	18	21 37 59.21	9 18 41.6	115.25
19	19 58 18.30	17 22 38.0	87.25	19	21 40 0.46	9 7 10.1	115.57
20	20 0 32.07	17 13 54.5	88.10	20	21 42 1.50	8 55 36.7	115.92
21	20 2 45.53	17 5 5.9	88.93	21	21 44 2.33	8 44 1.2	116.23
22	20 4 58.69	16 56 12.3	89.77	22	21 46 2.96	8 32 23.8	116.53
23	20 7 11.54	S. 16 47 13.7	90.58	23	21 48 3.39	S. 8 20 44.6	116.83
<i>THURSDAY 14.</i>				<i>SATURDAY 16.</i>			
	<i>h m s</i>	<i>° ' "</i>	<i>"</i>		<i>h m s</i>	<i>° ' "</i>	<i>"</i>
0	20 9 24.09	S. 16 38 10.2	91.40	0	21 50 3.62	S. 8 9 3.6	117.13
1	20 11 36.34	16 29 1.8	92.18	1	21 52 3.66	7 57 20.8	117.40
2	20 13 48.29	16 19 48.7	92.97	2	21 54 3.51	7 45 36.4	117.67
3	20 15 59.93	16 10 30.9	93.75	3	21 56 3.17	7 33 50.4	117.95
4	20 18 11.28	16 1 8.4	94.52	4	21 58 2.65	7 22 2.7	118.18
5	20 20 22.33	15 51 41.3	95.25	5	22 0 1.94	7 10 13.6	118.43
6	20 22 33.09	15 42 9.8	96.00	6	22 2 1.06	6 58 23.0	118.65
7	20 24 43.55	15 32 33.8	96.72	7	22 4 0.00	6 46 31.1	118.88
8	20 26 53.71	15 22 53.5	97.45	8	22 5 58.77	6 34 37.8	119.10
9	20 29 3.59	15 13 8.8	98.13	9	22 7 57.36	6 22 43.2	119.28
10	20 31 13.17	15 3 20.0	98.85	10	22 9 55.79	6 10 47.5	119.50
11	20 33 22.47	14 53 26.9	99.52	11	22 11 54.06	5 58 50.5	119.67
12	20 35 31.48	14 43 29.8	100.18	12	22 13 52.17	5 46 52.5	119.85
13	20 37 40.21	14 33 28.7	100.85	13	22 15 50.12	5 34 53.4	120.02
14	20 39 48.65	14 23 23.6	101.50	14	22 17 47.92	5 22 53.3	120.17
15	20 41 56.82	14 13 14.6	102.13	15	22 19 45.57	5 10 52.3	120.32
16	20 44 4.70	14 3 1.8	102.77	16	22 21 43.06	4 58 50.4	120.45
17	20 46 12.31	13 52 45.2	103.38	17	22 23 40.42	4 46 47.7	120.58
18	20 48 19.64	13 42 24.9	103.98	18	22 25 37.63	4 34 44.2	120.70
19	20 50 26.70	13 32 1.0	104.57	19	22 27 34.70	4 22 40.0	120.82
20	20 52 33.48	13 21 33.6	105.15	20	22 29 31.61	4 10 35.1	120.90
21	20 54 40.00	13 11 2.7	105.73	21	22 31 28.44	3 58 29.7	121.00
22	20 56 46.25	13 0 28.3	106.28	22	22 33 25.12	3 46 23.7	121.08
23	20 58 52.24	12 49 50.6	106.83	23	22 35 21.67	3 34 17.2	121.17
24	21 0 57.97	S. 12 39 9.6		24	22 37 18.09	S. 3 22 10.2	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 17.</i>				<i>TUESDAY 19.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	22 37 18.09	S.3 22 10.2	121.22	0	0 9 1.02	N. 6 11 28.0	114.57
1	22 39 14.40	3 10 2.9	121.23	1	0 10 55.07	6 22 55.4	114.23
2	22 41 10.58	2 57 55.2	121.32	2	0 12 49.14	6 34 20.8	113.90
3	22 43 6.66	2 45 47.3	121.37	3	0 14 43.24	6 45 44.2	113.57
4	22 45 2.63	2 33 39.1	121.38	4	0 16 37.36	6 57 5.6	113.20
5	22 46 58.48	2 21 30.8	121.42	5	0 18 31.51	7 8 24.8	112.85
6	22 48 54.24	2 9 22.3	121.42	6	0 20 25.70	7 19 41.9	112.48
7	22 50 49.89	1 57 13.8	121.43	7	0 22 19.91	7 30 56.8	112.12
8	22 52 45.44	1 45 5.2	121.42	8	0 24 14.17	7 42 9.5	111.72
9	22 54 40.90	1 32 56.7	121.42	9	0 26 8.46	7 53 19.8	111.35
10	22 56 36.26	1 20 48.2	121.38	10	0 28 2.79	8 4 27.9	110.93
11	22 58 31.54	1 8 39.9	121.37	11	0 29 57.17	8 15 33.5	110.55
12	23 0 26.73	0 56 31.7	121.32	12	0 31 51.59	8 26 36.8	110.13
13	23 2 21.84	0 44 23.8	121.28	13	0 33 46.06	8 37 37.6	109.72
14	23 4 16.86	0 32 16.1	121.22	14	0 35 40.58	8 48 35.9	109.30
15	23 6 11.81	0 20 8.8	121.17	15	0 37 35.16	8 59 31.7	108.85
16	23 8 6.69	S.0 8 1.8	121.08	16	0 39 29.79	9 10 24.8	108.43
17	23 10 1.49	N.0 4 4.7	121.00	17	0 41 24.48	9 21 15.4	107.98
18	23 11 56.23	0 16 10.7	120.93	18	0 43 19.23	9 32 3.3	107.53
19	23 13 50.90	0 28 16.3	120.82	19	0 45 14.04	9 42 48.5	107.07
20	23 15 45.50	0 40 21.2	120.72	20	0 47 8.91	9 53 30.9	106.62
21	23 17 40.05	0 52 25.5	120.60	21	0 49 3.85	10 4 10.6	106.13
22	23 19 34.54	1 4 29.1	120.48	22	0 50 58.86	10 14 47.4	105.65
23	23 21 28.98	N.1 16 32.0	120.35	23	0 52 53.94	N.10 25 21.3	105.18
<i>MONDAY 18.</i>				<i>WEDNESDAY 20.</i>			
0	23 23 23.37	N.1 28 34.1	120.22	0	0 54 49.10	N.10 35 52.4	104.68
1	23 25 17.71	1 40 35.4	120.07	1	0 56 44.33	10 46 20.5	104.18
2	23 27 12.00	1 52 35.8	119.92	2	0 58 39.64	10 56 45.6	103.68
3	23 29 6.26	2 4 35.3	119.75	3	1 0 35.03	11 7 7.7	103.15
4	23 31 0.47	2 16 33.8	119.58	4	1 2 30.49	11 17 26.6	102.65
5	23 32 54.65	2 28 31.3	119.40	5	1 4 26.04	11 27 42.5	102.12
6	23 34 48.79	2 40 27.7	119.22	6	1 6 21.68	11 37 55.2	101.60
7	23 36 42.91	2 52 23.0	119.02	7	1 8 17.40	11 48 4.8	101.08
8	23 38 37.00	3 4 17.1	118.83	8	1 10 13.21	11 58 11.0	100.50
9	23 40 31.06	3 16 10.1	118.62	9	1 12 9.11	12 8 14.0	99.95
10	23 42 25.11	3 28 1.8	118.40	10	1 14 5.11	12 18 13.7	99.40
11	23 44 19.13	3 39 52.2	118.17	11	1 16 1.20	12 28 10.1	98.82
12	23 46 13.14	3 51 41.2	117.93	12	1 17 57.38	12 38 3.0	98.25
13	23 48 7.14	4 3 28.8	117.70	13	1 19 53.66	12 47 52.5	97.67
14	23 50 1.12	4 15 15.0	117.47	14	1 21 50.05	12 57 38.5	97.08
15	23 51 55.10	4 26 59.8	117.20	15	1 23 46.53	13 7 21.0	96.50
16	23 53 49.08	4 38 43.0	116.93	16	1 25 43.11	13 17 0.0	95.88
17	23 55 43.05	4 50 24.6	116.67	17	1 27 39.80	13 26 35.3	95.30
18	23 57 37.02	5 2 4.6	116.38	18	1 29 36.60	13 36 7.1	94.67
19	23 59 31.00	5 13 42.9	116.10	19	1 31 33.50	13 45 35.1	94.07
20	0 1 24.98	5 25 19.5	115.82	20	1 33 30.52	13 54 59.5	93.43
21	0 3 18.97	5 36 54.4	115.52	21	1 35 27.64	14 4 20.1	92.80
22	0 5 12.97	5 48 27.5	115.20	22	1 37 24.87	14 13 36.9	92.17
23	0 7 6.99	5 59 58.7	114.88	23	1 39 22.22	14 22 49.9	91.53
24	0 9 1.02	N.6 11 28.0		24	1 41 19.68	N.14 31 59.1	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>THURSDAY 21.</i>				<i>SATURDAY 23.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	1 41 19.68	N.14 31 59.1	90.88	0	3 17 51.69	N.20 23 58.0	52.83
1	1 43 17.26	14 41 4.4	90.22	1	3 19 55.75	20 29 15.0	51.92
2	1 45 14.95	14 50 5.7	89.57	2	3 21 59.95	20 34 26.5	51.00
3	1 47 12.77	14 59 3.1	88.88	3	3 24 4.29	20 39 32.5	50.05
4	1 49 10.70	15 7 56.4	88.22	4	3 26 8.77	20 44 32.8	49.13
5	1 51 8.76	15 16 45.7	87.55	5	3 28 13.38	20 49 27.6	48.17
6	1 53 6.93	15 25 31.0	86.85	6	3 30 18.13	20 54 16.6	47.23
7	1 55 5.24	15 34 12.1	86.15	7	3 32 23.01	20 59 0.0	46.30
8	1 57 3.66	15 42 49.0	85.47	8	3 34 28.03	21 3 37.8	45.32
9	1 59 2.21	15 51 21.8	84.75	9	3 36 33.18	21 8 9.7	44.37
10	2 1 0.89	15 59 50.3	84.05	10	3 38 38.46	21 12 35.9	43.42
11	2 2 59.70	16 8 14.6	83.33	11	3 40 43.87	21 16 56.4	42.44
12	2 4 58.64	16 16 34.6	82.60	12	3 42 49.41	21 21 11.0	41.47
13	2 6 57.71	16 24 50.2	81.88	13	3 44 55.08	21 25 19.8	40.48
14	2 8 56.91	16 33 1.5	81.13	14	3 47 0.88	21 29 22.7	39.50
15	2 10 56.24	16 41 8.3	80.40	15	3 49 6.81	21 33 19.7	38.53
16	2 12 55.71	16 49 10.7	79.65	16	3 51 12.87	21 37 10.9	37.53
17	2 14 55.30	16 57 8.6	78.90	17	3 53 19.05	21 40 56.1	36.53
18	2 16 55.04	17 5 2.0	78.15	18	3 55 25.35	21 44 35.3	35.53
19	2 18 54.90	17 12 50.9	77.38	19	3 57 31.77	21 48 8.5	34.55
20	2 20 54.91	17 20 35.2	76.60	20	3 59 38.32	21 51 35.8	33.53
21	2 22 55.05	17 28 14.8	75.83	21	4 1 44.99	21 54 57.0	32.53
22	2 24 55.33	17 35 49.8	75.05	22	4 3 51.78	21 58 12.2	31.52
23	2 26 55.75	N.17 43 20.1	74.27	23	4 5 58.69	N.22 1 21.3	30.50
<i>FRIDAY 22.</i>				<i>SUNDAY 24.</i>			
0	2 28 56.30	N.17 50 45.7	73.47	0	4 8 5.71	N.22 4 24.3	29.48
1	2 30 56.99	17 58 6.5	72.68	1	4 10 12.85	22 7 21.2	28.45
2	2 32 57.82	18 5 22.6	71.87	2	4 12 20.10	22 10 11.9	27.43
3	2 34 58.79	18 12 33.8	71.07	3	4 14 27.47	22 12 56.5	26.42
4	2 36 59.90	18 19 40.2	70.25	4	4 16 34.95	22 15 35.0	25.37
5	2 39 1.15	18 26 41.7	69.42	5	4 18 42.54	22 18 7.2	24.33
6	2 41 2.54	18 33 38.2	68.60	6	4 20 50.24	22 20 33.2	23.30
7	2 43 4.07	18 40 29.8	67.78	7	4 22 58.04	22 22 53.0	22.25
8	2 45 5.74	18 47 16.5	66.93	8	4 25 5.95	22 25 6.5	21.22
9	2 47 7.55	18 53 58.1	66.08	9	4 27 13.96	22 27 13.8	20.17
10	2 49 9.51	19 0 34.6	65.25	10	4 29 22.07	22 29 14.8	19.10
11	2 51 11.60	19 7 6.1	64.38	11	4 31 30.29	22 31 9.4	18.07
12	2 53 13.84	19 13 32.4	63.53	12	4 33 38.60	22 32 57.8	17.00
13	2 55 16.22	19 19 53.6	62.67	13	4 35 47.01	22 34 39.8	15.95
14	2 57 18.74	19 26 9.6	61.80	14	4 37 55.52	22 36 15.5	14.88
15	2 59 21.40	19 32 20.4	60.92	15	4 40 4.11	22 37 44.8	13.82
16	3 1 24.20	19 38 25.9	60.05	16	4 42 12.80	22 39 7.7	12.75
17	3 3 27.15	19 44 26.2	59.17	17	4 44 21.58	22 40 24.2	11.68
18	3 5 30.23	19 50 21.2	58.27	18	4 46 30.45	22 41 34.3	10.60
19	3 7 33.46	19 56 10.8	57.38	19	4 48 39.41	22 42 37.9	9.53
20	3 9 36.83	20 1 55.1	56.48	20	4 50 48.45	22 43 35.1	8.45
21	3 11 40.33	20 7 34.0	55.58	21	4 52 57.57	22 44 25.8	7.38
22	3 13 43.98	20 13 7.5	54.67	22	4 55 6.78	22 45 10.1	6.30
23	3 15 47.77	20 18 35.5	53.75	23	4 57 16.06	22 45 47.9	5.20
24	3 17 51.69	N.20 23 58.0		24	4 59 25.42	N.22 46 19.1	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>MONDAY 25.</i>				<i>WEDNESDAY 27.</i>			
	<i>h m s</i>	<i>o ' "</i>	<i>"</i>		<i>h m s</i>	<i>o ' "</i>	<i>"</i>
0	4 59 25.42	N.22 46 19.1	4.12	0	6 43 47.96	N.21 1 40.3	48.85
1	5 1 34.86	22 46 43.8	3.05	1	6 45 58.80	20 56 47.2	49.95
2	5 3 44.37	22 47 2.1	1.93	2	6 48 9.64	20 51 47.5	51.03
3	5 5 53.95	22 47 13.7	0.85	3	6 50 20.46	20 46 41.3	52.12
4	5 8 3.60	22 47 18.8	0.23	4	6 52 31.26	20 41 28.6	53.20
5	5 10 13.31	22 47 17.4	1.33	5	6 54 42.06	20 36 9.4	54.28
6	5 12 23.10	22 47 9.4	2.43	6	6 56 52.84	20 30 43.7	55.37
7	5 14 32.94	22 46 54.8	3.53	7	6 59 3.60	20 25 11.5	56.43
8	5 16 42.85	22 46 33.6	4.62	8	7 1 14.35	20 19 32.9	57.52
9	5 18 52.82	22 46 5.9	5.73	9	7 3 25.07	20 13 47.8	58.58
10	5 21 2.84	22 45 31.5	6.83	10	7 5 35.78	20 7 56.3	59.65
11	5 23 12.93	22 44 50.5	7.93	11	7 7 46.47	20 1 58.4	60.72
12	5 25 23.06	22 44 2.9	9.03	12	7 9 57.14	19 55 54.1	61.78
13	5 27 33.25	22 43 8.7	10.15	13	7 12 7.79	19 49 43.4	62.83
14	5 29 43.48	22 42 7.8	11.25	14	7 14 18.41	19 43 26.4	63.90
15	5 31 53.77	22 41 0.3	12.35	15	7 16 29.01	19 37 3.0	64.95
16	5 34 4.10	22 39 46.2	13.47	16	7 18 39.59	19 30 33.3	66.00
17	5 36 14.47	22 38 25.4	14.58	17	7 20 50.14	19 23 57.3	67.05
18	5 38 24.89	22 36 57.9	15.68	18	7 23 0.67	19 17 15.0	68.10
19	5 40 35.35	22 35 23.8	16.78	19	7 25 11.17	19 10 26.4	69.13
20	5 42 45.84	22 33 43.1	17.92	20	7 27 21.65	19 3 31.6	70.17
21	5 44 56.37	22 31 55.6	19.00	21	7 29 32.10	18 56 30.6	71.22
22	5 47 6.94	22 30 1.6	20.12	22	7 31 42.52	18 49 23.3	72.23
23	5 49 17.54	N.22 28 0.8	21.23	23	7 33 52.92	N.18 42 9.9	73.27
<i>TUESDAY 26.</i>				<i>THURSDAY 28.</i>			
	<i>h m s</i>	<i>o ' "</i>	<i>"</i>		<i>h m s</i>	<i>o ' "</i>	<i>"</i>
0	5 51 28.17	N.22 25 53.4	22.35	0	7 36 3.29	N.18 34 50.3	74.28
1	5 53 38.83	22 23 39.3	23.45	1	7 38 13.64	18 27 24.6	75.30
2	5 55 49.52	22 21 18.6	24.57	2	7 40 23.95	18 19 52.8	76.33
3	5 58 0.23	22 18 51.2	25.68	3	7 42 34.24	18 12 14.8	77.32
4	6 0 10.96	22 16 17.1	26.80	4	7 44 44.50	18 4 30.9	78.35
5	6 2 21.72	22 13 36.3	27.90	5	7 46 54.73	17 56 40.8	79.33
6	6 4 32.49	22 10 48.9	29.02	6	7 49 4.94	17 48 44.8	80.33
7	6 6 43.29	22 7 54.8	30.12	7	7 51 15.11	17 40 42.8	81.33
8	6 8 54.10	22 4 54.1	31.23	8	7 53 25.26	17 32 34.8	82.32
9	6 11 4.92	22 1 46.7	32.35	9	7 55 35.38	17 24 20.9	83.32
10	6 13 15.76	21 58 32.6	33.45	10	7 57 45.48	17 16 1.0	84.28
11	6 15 26.61	21 55 11.9	34.55	11	7 59 55.54	17 7 35.3	85.25
12	6 17 37.47	21 51 44.6	35.67	12	8 2 5.58	16 59 3.8	86.23
13	6 19 48.34	21 48 10.6	36.77	13	8 4 15.59	16 50 26.4	87.18
14	6 21 59.21	21 44 30.0	37.88	14	8 6 25.58	16 41 43.3	88.17
15	6 24 10.09	21 40 42.7	38.97	15	8 8 35.54	16 32 54.3	89.10
16	6 26 20.97	21 36 48.9	40.08	16	8 10 45.47	16 23 59.7	90.07
17	6 28 31.85	21 32 48.4	41.18	17	8 12 55.38	16 14 59.3	91.00
18	6 30 42.74	21 28 41.3	42.28	18	8 15 5.26	16 5 53.3	91.93
19	6 32 53.62	21 24 27.6	43.38	19	8 17 15.12	15 56 41.7	92.88
20	6 35 4.50	21 20 7.3	44.48	20	8 19 24.96	15 47 24.4	93.80
21	6 37 15.37	21 15 40.4	45.58	21	8 21 34.78	15 38 1.6	94.72
22	6 39 26.24	21 11 6.9	46.67	22	8 23 44.57	15 28 33.3	95.65
23	6 41 37.10	21 6 26.9	47.77	23	8 25 54.35	15 18 59.4	96.55
24	6 43 47.96	N.21 1 40.3		24	8 28 4.10	N.15 9 20.1	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 29.</i>				<i>SUNDAY 31.</i>			
	<i>h m s</i>	<i>o l "</i>	<i>"</i>		<i>h m s</i>	<i>o l "</i>	<i>"</i>
0	8 28 4 ¹⁰	N.15 9 20 ¹	97 ⁴⁵	0	10 11 57 ⁵¹	N.5 52 53 ⁷	131 ⁸⁰
1	8 30 13 ⁸⁴	14 59 35 ⁴	98 ³⁷	1	10 14 8 ²⁹	5 39 42 ⁹	132 ³⁰
2	8 32 23 ⁵⁶	14 49 45 ²	99 ²⁵	2	10 16 19 ¹⁴	5 26 29 ¹	132 ⁷⁵
3	8 34 33 ²⁶	14 39 49 ⁷	100 ¹³	3	10 18 30 ⁰⁷	5 13 12 ⁶	133 ²²
4	8 36 42 ⁹⁴	14 29 48 ⁹	101 ⁰⁰	4	10 20 41 ⁰⁹	4 59 53 ³	133 ⁶⁷
5	8 38 52 ⁶¹	14 19 42 ⁹	101 ⁸⁸	5	10 22 52 ¹⁹	4 46 31 ³	134 ⁰⁸
6	8 41 2 ²⁷	14 9 31 ⁶	102 ⁷⁷	6	10 25 3 ³⁸	4 33 6 ⁸	134 ⁵²
7	8 43 11 ⁹¹	13 59 15 ⁰	103 ⁶⁰	7	10 27 14 ⁶⁷	4 19 39 ⁷	134 ⁹³
8	8 45 21 ⁵⁴	13 48 53 ⁴	104 ⁴⁷	8	10 29 26 ⁰⁵	4 6 10 ¹	135 ³²
9	8 47 31 ¹⁷	13 38 26 ⁶	105 ³²	9	10 31 37 ⁵³	3 52 38 ²	135 ⁷⁰
10	8 49 40 ⁷⁸	13 27 54 ⁷	106 ¹⁵	10	10 33 49 ¹⁰	3 39 4 ⁰	136 ⁰⁸
11	8 51 50 ³⁹	13 17 17 ⁸	106 ⁹⁸	11	10 36 0 ⁷⁸	3 25 27 ⁵	136 ⁴³
12	8 53 59 ⁹⁹	13 6 35 ⁹	107 ⁸⁰	12	10 38 12 ⁵⁷	3 11 48 ⁹	136 ⁷⁸
13	8 56 9 ⁵⁹	12 55 49 ¹	108 ⁶³	13	10 40 24 ⁴⁷	2 58 8 ²	137 ¹⁰
14	8 58 19 ¹⁹	12 44 57 ³	109 ⁴³	14	10 42 36 ⁴⁸	2 44 25 ⁶	137 ⁴³
15	9 0 28 ⁷⁸	12 34 0 ⁷	110 ²³	15	10 44 48 ⁶¹	2 30 41 ⁰	137 ⁷³
16	9 2 38 ³⁸	12 22 59 ³	111 ⁰³	16	10 47 0 ⁸⁵	2 16 54 ⁶	138 ⁰³
17	9 4 47 ⁹⁸	12 11 53 ¹	111 ⁸³	17	10 49 13 ²²	2 3 6 ⁴	138 ³²
18	9 6 57 ⁵⁸	12 0 42 ¹	112 ⁶⁰	18	10 51 25 ⁷¹	1 49 16 ⁵	138 ⁵⁷
19	9 9 7 ¹⁹	11 49 26 ⁵	113 ³⁷	19	10 53 38 ³³	1 35 25 ¹	138 ⁸³
20	9 11 16 ⁸⁰	11 38 6 ³	114 ¹³	20	10 55 51 ⁰⁸	1 21 32 ¹	139 ⁰⁷
21	9 13 26 ⁴²	11 26 41 ⁵	114 ⁹⁰	21	10 58 3 ⁹⁶	1 7 37 ⁷	139 ²⁸
22	9 15 36 ⁰⁶	11 15 12 ¹	115 ⁶³	22	11 0 16 ⁹⁸	0 53 42 ⁰	139 ⁵⁰
23	9 17 45 ⁷¹	N.11 3 38 ³	116 ³⁸	23	11 2 30 ¹⁴	N.0 39 45 ⁰	139 ⁷⁰
<i>SATURDAY 30.</i>				<i>MONDAY, APRIL 1.</i>			
0	9 19 55 ³⁷	N.10 52 0 ⁰	117 ¹²	0	11 4 43 ⁴⁴	N.0 25 46 ⁸	
1	9 22 5 ⁰⁵	10 40 17 ³	117 ⁸²				
2	9 24 14 ⁷⁵	10 28 30 ⁴	118 ⁵⁵				
3	9 26 24 ⁴⁷	10 16 39 ¹	119 ²⁵				
4	9 28 34 ²²	10 4 43 ⁶	119 ⁹⁵				
5	9 30 43 ⁹⁹	9 52 43 ⁹	120 ⁶²				
6	9 32 53 ⁷⁹	9 40 40 ²	121 ³²				
7	9 35 3 ⁶¹	9 28 32 ³	121 ⁹⁷				
8	9 37 13 ⁴⁷	9 16 20 ⁵	122 ⁶³				
9	9 39 23 ³⁶	9 4 4 ⁷	123 ³⁰				
10	9 41 33 ²⁹	8 51 44 ⁹	123 ⁹²				
11	9 43 43 ²⁶	8 39 21 ⁴	124 ⁵⁵				
12	9 45 53 ²⁷	8 26 54 ¹	125 ¹⁷				
13	9 48 3 ³²	8 14 23 ¹	125 ⁷⁸				
14	9 50 13 ⁴²	8 1 48 ⁴	126 ³⁸				
15	9 52 23 ⁵⁷	7 49 10 ¹	126 ⁹⁸				
16	9 54 33 ⁷⁷	7 36 28 ²	127 ⁵⁵				
17	9 56 44 ⁰²	7 23 42 ⁹	128 ¹²				
18	9 58 54 ³³	7 10 54 ²	128 ⁶⁸				
19	10 1 4 ⁷⁰	6 58 2 ¹	129 ²³				
20	10 3 15 ¹³	6 45 6 ⁷	129 ⁷⁵				
21	10 5 25 ⁶²	6 32 8 ²	130 ³⁰				
22	10 7 36 ¹⁸	6 19 6 ⁴	130 ⁸⁰				
23	10 9 46 ⁸¹	6 6 1 ⁶	131 ³²				
24	10 11 57 ⁵¹	N. 5 52 53 ⁷					

PHASES OF THE MOON.

- Full Moon - - ^{d h m} 4 9 2²
- ☾ Last Quarter - 11 1 19⁶
- New Moon - - 18 12 17³
- ☽ First Quarter - 26 17 1⁶

- ☾ Perigee - - - - - ^{d h} 6 20
- ☾ Apogee - - - - - 22 19

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	11 52 4 ^o 5 ⁱ	S. 0 ^o 57 ^u	0 ^o 0000505	16 16 ⁱ 5 ^u	16 22 ⁱ 4 ^u	59 43 ⁱ 6 ^u	60 5 ⁱ 0 ^u
2	12 51 9 ^o 0 ⁱ	0 ^o 54 ^u	0 ^o 0001753	16 27 ⁱ 4 ^u	16 31 ⁱ 3 ^u	60 23 ⁱ 3 ^u	60 37 ⁱ 9 ^u
3	13 50 11 ^o 4 ⁱ	0 ^o 49 ^u	0 ^o 0003007	16 34 ⁱ 2 ^u	16 35 ⁱ 9 ^u	60 48 ⁱ 3 ^u	60 54 ⁱ 8 ^u
4	14 49 11 ^o 7 ⁱ	0 ^o 40 ^u	0 ^o 0004266	16 36 ⁱ 4 ^u	16 35 ⁱ 7 ^u	60 56 ⁱ 7 ^u	60 54 ⁱ 0 ^u
5	15 48 10 ^o 0 ⁱ	0 ^o 29 ^u	0 ^o 0005529	16 33 ⁱ 9 ^u	16 31 ⁱ 0 ^u	60 47 ⁱ 2 ^u	60 36 ⁱ 5 ^u
6	16 47 6 ^o 5 ⁱ	0 ^o 17 ^u	0 ^o 0006794	16 27 ⁱ 1 ^u	16 22 ⁱ 4 ^u	60 22 ⁱ 4 ^u	60 5 ⁱ 3 ^u
7	17 46 1 ^o 2 ⁱ	S. 0 ^o 03 ^u	0 ^o 0008061	16 17 ⁱ 1 ^u	16 11 ⁱ 4 ^u	59 45 ⁱ 8 ^u	59 24 ⁱ 6 ^u
8	18 44 54 ^o 2 ⁱ	N. 0 ^o 10 ^u	0 ^o 0009328	16 5 ⁱ 2 ^u	15 58 ⁱ 9 ^u	59 2 ⁱ 1 ^u	58 39 ⁱ 0 ^u
9	19 43 45 ^o 3 ⁱ	0 ^o 24 ^u	0 ^o 0010594	15 52 ⁱ 5 ^u	15 46 ⁱ 2 ^u	58 15 ⁱ 6 ^u	57 52 ⁱ 3 ^u
10	20 42 34 ^o 7 ⁱ	0 ^o 36 ^u	0 ^o 0011856	15 40 ⁱ 1 ^u	15 34 ⁱ 2 ^u	57 30 ⁱ 0 ^u	57 8 ⁱ 1 ^u
11	21 41 22 ^o 4 ⁱ	0 ^o 47 ^u	0 ^o 0013115	15 28 ⁱ 5 ^u	15 23 ⁱ 1 ^u	56 47 ⁱ 3 ^u	56 27 ⁱ 5 ^u
12	22 40 8 ^o 4 ⁱ	0 ^o 56 ^u	0 ^o 0014367	15 18 ⁱ 1 ^u	15 13 ⁱ 4 ^u	56 9 ⁱ 1 ^u	55 51 ⁱ 9 ^u
13	23 38 52 ^o 7 ⁱ	0 ^o 62 ^u	0 ^o 0015612	15 9 ⁱ 0 ^u	15 5 ⁱ 0 ^u	55 35 ⁱ 8 ^u	55 21 ⁱ 2 ^u
14	24 37 35 ^o 3 ⁱ	0 ^o 64 ^u	0 ^o 0016848	15 1 ⁱ 3 ^u	14 57 ⁱ 8 ^u	55 7 ⁱ 4 ^u	54 54 ⁱ 8 ^u
15	25 36 16 ^o 0 ⁱ	0 ^o 65 ^u	0 ^o 0018074	14 54 ⁱ 8 ^u	14 52 ⁱ 0 ^u	54 43 ⁱ 6 ^u	54 33 ⁱ 5 ^u
16	26 34 55 ^o 0 ⁱ	0 ^o 62 ^u	0 ^o 0019288	14 49 ⁱ 6 ^u	14 47 ⁱ 4 ^u	54 24 ⁱ 6 ^u	54 16 ⁱ 6 ^u
17	27 33 32 ^o 0 ⁱ	0 ^o 55 ^u	0 ^o 0020491	14 45 ⁱ 7 ^u	14 44 ⁱ 2 ^u	54 10 ⁱ 1 ^u	54 4 ⁱ 6 ^u
18	28 32 7 ^o 2 ⁱ	0 ^o 47 ^u	0 ^o 0021681	14 43 ⁱ 0 ^u	14 42 ⁱ 2 ^u	54 0 ⁱ 3 ^u	53 57 ⁱ 3 ^u
19	29 30 40 ^o 4 ⁱ	0 ^o 37 ^u	0 ^o 0022857	14 41 ⁱ 8 ^u	14 41 ⁱ 8 ^u	53 55 ⁱ 8 ^u	53 55 ⁱ 8 ^u
20	30 29 11 ^o 6 ⁱ	0 ^o 25 ^u	0 ^o 0024020	14 42 ⁱ 2 ^u	14 43 ⁱ 1 ^u	53 57 ⁱ 5 ^u	54 0 ⁱ 8 ^u
21	31 27 40 ^o 6 ⁱ	N. 0 ^o 12 ^u	0 ^o 0025171	14 44 ⁱ 5 ^u	14 46 ⁱ 4 ^u	54 5 ⁱ 8 ^u	54 12 ⁱ 9 ^u
22	32 26 7 ^o 5 ⁱ	S. 0 ^o 01 ^u	0 ^o 0026309	14 48 ⁱ 9 ^u	14 51 ⁱ 9 ^u	54 22 ⁱ 0 ^u	54 33 ⁱ 0 ^u
23	33 24 32 ^o 5 ⁱ	0 ^o 14 ^u	0 ^o 0027437	14 55 ⁱ 6 ^u	14 59 ⁱ 8 ^u	54 46 ⁱ 5 ^u	55 2 ⁱ 1 ^u
24	34 22 55 ^o 3 ⁱ	0 ^o 24 ^u	0 ^o 0028555	15 4 ⁱ 7 ^u	15 10 ⁱ 2 ^u	55 20 ⁱ 0 ^u	55 40 ⁱ 1 ^u
25	35 21 15 ^o 8 ⁱ	0 ^o 33 ^u	0 ^o 0029663	15 16 ⁱ 2 ^u	15 22 ⁱ 8 ^u	56 2 ⁱ 3 ^u	56 26 ⁱ 6 ^u
26	36 19 34 ^o 3 ⁱ	0 ^o 39 ^u	0 ^o 0030762	15 29 ⁱ 9 ^u	15 37 ⁱ 4 ^u	56 52 ⁱ 6 ^u	57 19 ⁱ 9 ^u
27	37 17 50 ^o 8 ⁱ	0 ^o 43 ^u	0 ^o 0031854	15 45 ⁱ 1 ^u	15 53 ⁱ 0 ^u	57 48 ⁱ 3 ^u	58 17 ⁱ 3 ^u
28	38 16 5 ^o 1 ⁱ	0 ^o 44 ^u	0 ^o 0032938	16 0 ⁱ 9 ^u	16 8 ⁱ 7 ^u	58 46 ⁱ 4 ^u	59 14 ⁱ 8 ^u
29	39 14 17 ^o 5 ⁱ	0 ^o 42 ^u	0 ^o 0034016	16 16 ⁱ 1 ^u	16 23 ⁱ 0 ^u	59 42 ⁱ 0 ^u	60 7 ⁱ 3 ^u
30	40 12 27 ^o 9 ⁱ	0 ^o 37 ^u	0 ^o 0035088	16 29 ⁱ 1 ^u	16 34 ⁱ 3 ^u	60 29 ⁱ 6 ^u	60 48 ⁱ 7 ^u
31	41 10 36 ^o 5 ⁱ	S. 0 ^o 28 ^u	0 ^o 0036155	16 38 ⁱ 4 ^u	16 41 ⁱ 3 ^u	61 3 ⁱ 9 ^u	61 11 ⁱ 6 ^u

MEAN TIME.

Day of the Week.	Day of the Month.	THE MOON'S																			
		Longitude.					Latitude.					Age.	Meridian								
		Noon.		Midnight.			Noon.		Midnight.			Noon.	Passage.								
		^o	ⁱ	^{''}	^o	ⁱ	^{''}	^o	ⁱ	^{''}	^o	ⁱ	^{''}	^o	ⁱ	^{''}					
Mon.	1	167	7	12	174	25	26	0	S. 5	3	37	4	S. 5	0	27	9	13	5	10	47	3
Tues.	2	181	48	59	189	16	41	2	4	52	16	4	4	39	2	1	14	5	11	40	3
Wed.	3	196	47	22	204	19	50	0	4	20	53	3	3	58	6	5	15	5	12	35	9
Thur.	4	211	52	48	219	25	3	9	3	31	6	4	3	0	25	0	16	5	13	34	2
Frid.	5	226	55	27	234	22	58	7	2	26	40	5	1	50	35	0	17	5	14	35	0
Sat.	6	241	46	44	249	6	4	2	S. 1	12	52	2	S. 0	34	16	9	18	5	15	36	7
Sun.	7	256	20	26	263	29	31	4	N. 0	4	28	1	N. 0	42	42	5	19	5	16	37	5
Mon.	8	270	33	8	277	31	13	5	1	19	49	6	1	55	16	2	20	5	17	35	7
Tues.	9	284	23	52	291	11	13	5	2	28	34	5	2	59	20	4	21	5	18	30	3
Wed.	10	297	53	30	304	31	0	4	3	27	13	8	3	51	58	7	22	5	19	21	0
Thur.	11	311	4	0	317	32	48	3	4	13	22	5	4	31	16	0	23	5	20	8	5
Frid.	12	323	57	43	330	19	3	7	4	45	33	0	4	56	8	8	24	5	20	53	4
Sat.	13	336	37	5	342	52	5	1	5	3	2	6	5	6	15	0	25	5	21	36	7
Sun.	14	349	4	15	355	13	50	4	5	5	49	0	5	1	49	1	26	5	22	19	3
Mon.	15	1	21	1	7	25	58	0	4	54	22	0	4	43	36	3	27	5	23	1	9
Tues.	16	13	28	51	19	29	50	7	4	29	41	8	4	12	50	3	28	5	23	45	4
Wed.	17	25	29	6	31	26	49	3	3	53	14	6	3	31	8	6	29	5		6	
Thur.	18	37	23	10	43	18	24	0	3	6	47	7	2	40	28	0	0	8	0	30	0
Frid.	19	49	12	45	55	6	30	1	2	12	25	8	1	42	58	5	1	8	1	16	1
Sat.	20	60	59	58	66	53	32	1	1	12	23	8	N. 0	40	59	4	2	8	2	3	7
Sun.	21	72	47	35	78	42	34	5	N. 0	9	3	9	S. 0	23	5	0	3	8	2	52	4
Mon.	22	84	38	59	90	37	20	3	S. 0	55	8	2	1	26	47	4	4	8	3	41	6
Tues.	23	96	38	10	102	42	6	1	1	57	43	4	2	27	36	6	5	8	4	30	9
Wed.	24	108	49	41	115	1	32	3	2	56	6	9	3	22	53	7	6	8	5	19	9
Thur.	25	121	18	14	127	40	23	3	3	47	36	0	4	9	51	5	7	8	6	8	2
Frid.	26	134	8	30	140	43	2	1	4	29	17	9	4	45	32	0	8	8	6	56	2
Sat.	27	147	24	23	154	12	51	1	4	58	11	8	5	6	54	9	9	8	7	44	3
Sun.	28	161	8	32	168	11	26	8	5	11	20	7	5	11	11	3	10	8	8	33	4
Mon.	29	175	21	21	182	37	53	2	5	6	12	4	4	56	15	2	11	8	9	24	2
Tues.	30	190	0	24	197	28	9	1	4	41	16	9	4	21	22	2	12	8	10	17	8
Wed.	31	205	0	6	212	35	8	3	S. 3	56	41	5	S. 3	27	46	6	13	8	11	14	8

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>WEDNESDAY 17.</i>				<i>FRIDAY 19.</i>			
	<i>h m s</i>	<i>o ' "</i>	<i>"</i>		<i>h m s</i>	<i>o ' "</i>	<i>"</i>
0	1 28 38.54	N.13 28 44.3	93.67	0	3 4 27.85	N.19 39 53.5	57.90
1	1 30 35.16	13 38 6.3	93.05	1	3 6 31.08	19 45 40.9	57.02
2	1 32 31.90	13 47 24.6	92.47	2	3 8 34.45	19 51 23.0	56.13
3	1 34 28.75	13 56 39.4	91.85	3	3 10 37.96	19 56 59.8	55.23
4	1 36 25.74	14 5 50.5	91.23	4	3 12 41.60	20 2 31.2	54.32
5	1 38 22.84	14 14 57.9	90.60	5	3 14 45.38	20 7 57.1	53.42
6	1 40 20.08	14 24 1.5	89.98	6	3 16 49.29	20 13 17.6	52.52
7	1 42 17.44	14 33 1.4	89.35	7	3 18 53.34	20 18 32.7	51.68
8	1 44 14.93	14 41 57.5	88.68	8	3 20 57.52	20 23 42.2	50.67
9	1 46 12.55	14 50 49.6	88.05	9	3 23 1.83	20 28 46.2	49.73
10	1 48 10.30	14 59 37.9	87.40	10	3 25 6.28	20 33 44.6	48.82
11	1 50 8.18	15 8 22.3	86.73	11	3 27 10.85	20 38 37.5	47.87
12	1 52 6.19	15 17 2.7	86.07	12	3 29 15.55	20 43 24.7	46.98
13	1 54 4.34	15 25 39.1	85.38	13	3 31 20.38	20 48 6.3	45.98
14	1 56 2.62	15 34 11.4	84.72	14	3 33 25.33	20 52 42.2	45.03
15	1 58 1.03	15 42 39.7	84.02	15	3 35 30.41	20 57 12.4	44.08
16	1 59 59.59	15 51 3.8	83.32	16	3 37 35.62	21 1 36.9	43.12
17	2 1 58.27	15 59 23.7	82.62	17	3 39 40.94	21 5 55.6	42.17
18	2 3 57.10	16 7 39.4	81.92	18	3 41 46.39	21 10 8.6	41.18
19	2 5 56.07	16 15 50.9	81.20	19	3 43 51.96	21 14 15.7	40.22
20	2 7 55.17	16 23 58.1	80.48	20	3 45 57.64	21 18 17.0	39.25
21	2 9 54.41	16 32 1.0	79.77	21	3 48 3.45	21 22 12.5	38.27
22	2 11 53.79	16 39 59.6	79.02	22	3 50 9.36	21 26 2.1	37.28
23	2 13 53.32	N.16 47 53.7	78.28	23	3 52 15.40	N.21 29 45.8	36.30
<i>THURSDAY 18.</i>				<i>SATURDAY 20.</i>			
	<i>h m s</i>	<i>o ' "</i>	<i>"</i>		<i>h m s</i>	<i>o ' "</i>	<i>"</i>
0	2 15 52.98	N.16 55 43.4	77.53	0	3 54 21.54	N.21 33 23.6	35.30
1	2 17 52.78	17 3 28.6	76.80	1	3 56 27.80	21 36 55.4	34.32
2	2 19 52.73	17 11 9.4	76.02	2	3 58 34.17	21 40 21.3	33.32
3	2 21 52.82	17 18 45.5	75.27	3	4 0 40.61	21 43 41.2	32.32
4	2 23 53.05	17 26 17.1	74.50	4	4 2 47.22	21 46 55.1	31.30
5	2 25 53.43	17 33 44.1	73.73	5	4 4 53.90	21 50 2.9	30.30
6	2 27 53.94	17 41 6.5	72.93	6	4 7 0.69	21 53 4.7	29.28
7	2 29 54.61	17 48 24.1	72.15	7	4 9 7.57	21 56 0.4	28.28
8	2 31 55.41	17 55 37.0	71.37	8	4 11 14.56	21 58 50.1	27.25
9	2 33 56.36	18 2 45.2	70.57	9	4 13 21.64	22 1 33.6	26.23
10	2 35 57.46	18 9 48.6	69.76	10	4 15 28.81	22 4 11.0	25.22
11	2 37 58.70	18 16 47.1	68.95	11	4 17 36.08	22 6 42.3	24.18
12	2 40 0.08	18 23 40.8	68.13	12	4 19 43.44	22 9 7.4	23.15
13	2 42 1.61	18 30 29.6	67.32	13	4 21 50.89	22 11 26.3	22.13
14	2 44 3.28	18 37 13.5	66.47	14	4 23 58.42	22 13 39.1	21.08
15	2 46 5.10	18 43 52.3	65.65	15	4 26 6.03	22 15 45.6	20.05
16	2 48 7.05	18 50 26.2	64.82	16	4 28 13.73	22 17 45.9	19.02
17	2 50 9.16	18 56 55.1	63.97	17	4 30 21.51	22 19 40.0	17.97
18	2 52 11.40	19 3 18.9	63.12	18	4 32 29.37	22 21 27.8	16.92
19	2 54 13.79	19 9 37.6	62.27	19	4 34 37.30	22 23 9.3	15.88
20	2 56 16.32	19 15 51.2	61.40	20	4 36 45.31	22 24 44.6	14.82
21	2 58 18.99	19 21 59.6	60.53	21	4 38 53.39	22 26 13.5	13.78
22	3 0 21.80	19 28 2.8	59.67	22	4 41 1.53	22 27 36.2	12.72
23	3 2 24.76	19 34 0.8	58.78	23	4 43 9.75	22 28 52.5	11.65
24	3 4 27.85	N.19 39 53.5		24	4 45 18.03	N.22 30 2.4	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 21.</i>				<i>TUESDAY 23.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	4 45 18.03	N.22 30 2.4	10.60	0	6 28 29.46	N.21 19 58.6	40.78
1	4 47 26.38	22 31 6.0	9.53	1	6 30 38.32	21 15 53.9	41.83
2	4 49 34.79	22 32 3.2	8.48	2	6 32 47.14	21 11 42.9	42.88
3	4 51 43.25	22 32 54.1	7.40	3	6 34 55.92	21 7 25.6	43.92
4	4 53 51.78	22 33 38.5	6.35	4	6 37 4.67	21 3 2.1	44.97
5	4 56 0.36	22 34 16.6	5.28	5	6 39 13.38	20 58 32.3	46.00
6	4 58 8.99	22 34 48.3	4.20	6	6 41 22.05	20 53 56.3	47.05
7	5 0 17.67	22 35 13.5	3.15	7	6 43 30.67	20 49 14.0	48.08
8	5 2 26.39	22 35 32.4	2.07	8	6 45 39.26	20 44 25.5	49.10
9	5 4 35.17	22 35 44.8	1.00	9	6 47 47.80	20 39 30.9	50.15
10	5 6 43.98	22 35 50.8	0.07	10	6 49 56.30	20 34 30.0	51.17
11	5 8 52.84	22 35 50.4	1.15	11	6 52 4.75	20 29 23.0	52.18
12	5 11 1.73	22 35 43.5	2.22	12	6 54 13.16	20 24 9.9	53.22
13	5 13 10.66	22 35 30.2	3.30	13	6 56 21.52	20 18 50.6	54.22
14	5 15 19.63	22 35 10.4	4.37	14	6 58 29.83	20 13 25.3	55.25
15	5 17 28.63	22 34 44.2	5.43	15	7 0 38.09	20 7 53.8	56.25
16	5 19 37.66	22 34 11.6	6.53	16	7 2 46.31	20 2 16.3	57.27
17	5 21 46.71	22 33 32.4	7.60	17	7 4 54.47	19 56 32.7	58.28
18	5 23 55.79	22 32 46.8	8.67	18	7 7 2.58	19 50 43.0	59.27
19	5 26 4.89	22 31 54.8	9.77	19	7 9 10.64	19 44 47.4	60.27
20	5 28 14.01	22 30 56.2	10.83	20	7 11 18.65	19 38 45.8	61.27
21	5 30 23.15	22 29 51.2	11.90	21	7 13 26.61	19 32 38.2	62.27
22	5 32 32.31	22 28 39.8	13.00	22	7 15 34.51	19 26 24.6	63.25
23	5 34 41.48	N.22 27 21.8	14.07	23	7 17 42.36	N.19 20 5.1	64.23
<i>MONDAY 22.</i>				<i>WEDNESDAY 24.</i>			
0	5 36 50.66	N.22 25 57.4	15.15	0	7 19 50.16	N.19 13 39.7	65.22
1	5 38 59.85	22 24 26.5	16.23	1	7 21 57.91	19 7 8.4	66.18
2	5 41 9.05	22 22 49.1	17.30	2	7 24 5.60	19 0 31.3	67.17
3	5 43 18.25	22 21 5.3	18.40	3	7 26 13.23	18 53 48.3	68.15
4	5 45 27.46	22 19 14.9	19.47	4	7 28 20.81	18 46 59.4	69.10
5	5 47 36.67	22 17 18.1	20.53	5	7 30 28.34	18 40 4.8	70.07
6	5 49 45.87	22 15 14.9	21.62	6	7 32 35.82	18 33 4.4	71.02
7	5 51 55.08	22 13 5.2	22.70	7	7 34 43.23	18 25 58.3	71.98
8	5 54 4.28	22 10 49.0	23.77	8	7 36 50.60	18 18 46.4	72.93
9	5 56 13.47	22 8 26.4	24.83	9	7 38 57.91	18 11 28.8	73.88
10	5 58 22.66	22 5 57.4	25.92	10	7 41 5.17	18 4 5.5	74.82
11	6 0 31.84	22 3 21.9	26.98	11	7 43 12.37	17 56 36.6	75.75
12	6 2 41.00	22 0 40.0	28.05	12	7 45 19.52	17 49 2.1	76.68
13	6 4 50.16	21 57 51.7	29.13	13	7 47 26.62	17 41 22.0	77.63
14	6 6 59.29	21 54 56.9	30.18	14	7 49 33.66	17 33 36.2	78.53
15	6 9 8.42	21 51 55.8	31.27	15	7 51 40.65	17 25 45.0	79.47
16	6 11 17.52	21 48 48.2	32.32	16	7 53 47.59	17 17 48.2	80.38
17	6 13 26.60	21 45 34.3	33.38	17	7 55 54.47	17 9 45.9	81.28
18	6 15 35.66	21 42 14.0	34.45	18	7 58 1.31	17 1 38.2	82.20
19	6 17 44.70	21 38 47.3	35.52	19	8 0 8.10	16 53 25.0	83.10
20	6 19 53.71	21 35 14.2	36.57	20	8 2 14.84	16 45 6.4	83.98
21	6 22 2.69	21 31 34.8	37.62	21	8 4 21.53	16 36 42.5	84.88
22	6 24 11.65	21 27 49.1	38.68	22	8 6 28.17	16 28 13.2	85.78
23	6 26 20.57	21 23 57.0	39.73	23	8 8 34.77	16 19 38.5	86.65
24	6 28 29.46	N.21 19 58.6		24	8 10 41.32	N.16 10 58.6	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>THURSDAY 25.</i>				<i>SATURDAY 27.</i>			
	h m s	° ′ ″	″		h m s	° ′ ″	″
0	8 10 41.32	N.16 10 58.6	87.53	0	9 51 32.96	N. 7 42 37.0	122.47
1	8 12 47.83	16 2 13.4	88.40	1	9 53 39.44	7 30 22.2	123.03
2	8 14 54.29	15 53 23.0	89.27	2	9 55 45.97	7 18 4.0	123.57
3	8 17 0.71	15 44 27.4	90.12	3	9 57 52.57	7 5 42.6	124.10
4	8 19 7.09	15 35 26.7	91.00	4	9 59 59.24	6 53 18.0	124.62
5	8 21 13.43	15 26 20.7	91.83	5	10 2 5.97	6 40 50.3	125.13
6	8 23 19.73	15 17 9.7	92.67	6	10 4 12.78	6 28 19.5	125.65
7	8 25 26.00	15 7 53.7	93.53	7	10 6 19.67	6 15 45.6	126.13
8	8 27 32.22	14 58 32.5	94.35	8	10 8 26.63	6 3 8.8	126.63
9	8 29 38.42	14 49 6.4	95.18	9	10 10 33.68	5 50 29.0	127.10
10	8 31 44.58	14 39 35.3	96.02	10	10 12 40.82	5 37 46.4	127.57
11	8 33 50.71	14 29 59.2	96.82	11	10 14 48.04	5 25 1.0	128.03
12	8 35 56.81	14 20 18.3	97.63	12	10 16 55.36	5 12 12.8	128.48
13	8 38 2.88	14 10 32.5	98.45	13	10 19 2.78	4 59 21.9	128.92
14	8 40 8.93	14 0 41.8	99.25	14	10 21 10.29	4 46 28.4	129.35
15	8 42 14.95	13 50 46.3	100.03	15	10 23 17.91	4 33 32.3	129.77
16	8 44 20.94	13 40 46.1	100.83	16	10 25 25.64	4 20 33.7	130.18
17	8 46 26.91	13 30 41.1	101.62	17	10 27 33.48	4 7 32.6	130.58
18	8 48 32.87	13 20 31.4	102.38	18	10 29 41.43	3 54 29.1	130.97
19	8 50 38.80	13 10 17.1	103.15	19	10 31 49.50	3 41 23.3	131.35
20	8 52 44.72	12 59 58.2	103.92	20	10 33 57.69	3 28 15.2	131.70
21	8 54 50.63	12 49 34.7	104.68	21	10 36 6.00	3 15 5.0	132.08
22	8 56 56.52	12 39 6.6	105.43	22	10 38 14.45	3 1 52.5	132.42
23	8 59 2.40	N.12 28 34.0	106.17	23	10 40 23.02	N. 2 48 38.0	132.75
<i>FRIDAY 26.</i>				<i>SUNDAY 28.</i>			
	h m s	° ′ ″	″		h m s	° ′ ″	″
0	9 1 8.27	N.12 17 57.0	106.90	0	10 42 31.73	N. 2 35 21.5	133.08
1	9 3 14.14	12 7 15.6	107.63	1	10 44 40.58	2 22 3.0	133.38
2	9 5 20.00	11 56 29.8	108.37	2	10 46 49.57	2 8 42.7	133.70
3	9 7 25.86	11 45 39.6	109.07	3	10 48 58.71	1 55 20.5	133.98
4	9 9 31.72	11 34 45.2	109.80	4	10 51 8.00	1 41 56.6	134.27
5	9 11 37.58	11 23 46.4	110.48	5	10 53 17.44	1 28 31.0	134.53
6	9 13 43.45	11 12 43.5	111.18	6	10 55 27.04	1 15 3.8	134.78
7	9 15 49.33	11 1 36.4	111.88	7	10 57 36.80	1 1 35.1	135.02
8	9 17 55.21	10 50 25.1	112.57	8	10 59 46.73	0 48 5.0	135.27
9	9 20 1.11	10 39 9.7	113.23	9	11 1 56.82	0 34 33.4	135.47
10	9 22 7.03	10 27 50.3	113.92	10	11 4 7.09	0 21 0.6	135.68
11	9 24 12.96	10 16 26.8	114.57	11	11 6 17.53	N. 0 7 26.5	135.88
12	9 26 18.91	10 4 59.4	115.23	12	11 8 28.15	S. 0 6 8.8	136.05
13	9 28 24.89	9 53 28.0	115.87	13	11 10 38.95	0 19 45.1	136.23
14	9 30 30.89	9 41 52.8	116.52	14	11 12 49.94	0 33 22.5	136.38
15	9 32 36.92	9 30 13.7	117.15	15	11 15 1.12	0 47 0.8	136.52
16	9 34 42.99	9 18 30.8	117.77	16	11 17 12.50	1 0 39.9	136.65
17	9 36 49.08	9 6 44.2	118.38	17	11 19 24.07	1 14 19.8	136.77
18	9 38 55.22	8 54 53.9	119.00	18	11 21 35.84	1 28 0.4	136.87
19	9 41 1.39	8 42 59.9	119.60	19	11 23 47.82	1 41 41.6	136.95
20	9 43 7.61	8 31 2.3	120.18	20	11 26 0.00	1 55 23.3	137.03
21	9 45 13.87	8 19 1.2	120.77	21	11 28 12.40	2 9 5.5	137.08
22	9 47 20.18	8 6 56.6	121.35	22	11 30 25.02	2 22 48.0	137.15
23	9 49 26.54	7 54 48.5	121.92	23	11 32 37.85	2 36 30.9	137.17
24	9 51 32.96	N. 7 42 37.0		24	11 34 50.91	S. 2 50 13.9	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>MONDAY 29.</i>				<i>TUESDAY 30.</i>			
	<i>h m s</i>	<i>o ' "</i>	<i>"</i>		<i>h m s</i>	<i>o ' "</i>	<i>"</i>
0	11 34 50 '91	S. 2 50 13 '9	137 '18	0	12 29 20 '30	S. 8 16 28 '8	132 '97
1	11 37 4 '20	3 3 57 '0	137 '20	1	12 31 40 '04	8 29 46 '6	132 '57
2	11 39 17 '71	3 17 40 '2	137 '18	2	12 34 0 '08	8 43 2 '0	132 '18
3	11 41 31 '46	3 31 23 '3	137 '17	3	12 36 20 '44	8 56 15 '1	131 '75
4	11 43 45 '45	3 45 6 '3	137 '12	4	12 38 41 '11	9 9 25 '6	131 '32
5	11 45 59 '68	3 58 49 '0	137 '07	5	12 41 2 '09	9 22 33 '5	130 '85
6	11 48 14 '16	4 12 31 '4	136 '98	6	12 43 23 '38	9 35 38 '6	130 '38
7	11 50 28 '89	4 26 13 '3	136 '90	7	12 45 45 '00	9 48 40 '9	129 '88
8	11 52 43 '86	4 39 54 '7	136 '82	8	12 48 6 '93	10 1 40 '2	129 '38
9	11 54 59 '09	4 53 35 '6	136 '68	9	12 50 29 '18	10 14 36 '5	128 '85
10	11 57 14 '58	5 7 15 '7	136 '55	10	12 52 51 '76	10 27 29 '6	128 '30
11	11 59 30 '33	5 20 55 '0	136 '40	11	12 55 14 '67	10 40 19 '4	127 '73
12	12 1 46 '34	5 34 33 '4	136 '23	12	12 57 37 '90	10 53 5 '8	127 '15
13	12 4 2 '62	5 48 10 '8	136 '07	13	13 0 1 '46	11 5 48 '7	126 '53
14	12 6 19 '17	6 1 47 '2	135 '85	14	13 2 25 '35	11 18 27 '9	125 '92
15	12 8 36 '00	6 15 22 '3	135 '65	15	13 4 49 '57	11 31 3 '4	125 '28
16	12 10 53 '10	6 28 56 '2	135 '42	16	13 7 14 '13	11 43 35 '1	124 '62
17	12 13 10 '49	6 42 28 '7	135 '17	17	13 9 39 '02	11 56 2 '8	123 '95
18	12 15 28 '16	6 55 59 '7	134 '90	18	13 12 4 '24	12 8 26 '5	123 '23
19	12 17 46 '11	7 9 29 '1	134 '62	19	13 14 29 '80	12 20 45 '9	122 '52
20	12 20 4 '36	7 22 56 '8	134 '32	20	13 16 55 '70	12 33 1 '0	121 '80
21	12 22 22 '90	7 36 22 '7	134 '02	21	13 19 21 '94	12 45 11 '8	121 '03
22	12 24 41 '73	7 49 46 '8	133 '67	22	13 21 48 '51	12 57 18 '0	120 '27
23	12 27 0 '87	8 3 8 '8	133 '33	23	13 24 15 '43	13 9 19 '6	119 '47
24	12 29 20 '30	S. 8 16 28 '8		24	13 26 42 '68	S. 13 21 16 '4	

PHASES OF THE MOON.

	<i>d</i>	<i>h</i>	<i>m</i>
○ Full Moon	2	18	57 '6
☾ Last Quarter	9	10	8 '8
● New Moon	17	4	32 '4
☽ First Quarter	25	8	16 '9

	<i>d</i>	<i>h</i>
☾ Perigee	3	23
☾ Apogee	19	6

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	41° 10' 36" 5	S. 0° 28'	0.0036155	16° 38' 4"	16° 41' 3"	61° 3' 9"	61° 14' 6"
2	42° 8' 43" 3	0° 18'	0.0037217	16° 43' 0"	16° 43' 3"	61° 20' 6"	61° 21' 8"
3	43° 6' 48" 4	S. 0° 06'	0.0038274	16° 42' 2"	16° 39' 8"	61° 17' 8"	61° 9' 1"
4	44° 4' 51" 9	N. 0° 07'	0.0039326	16° 36' 3"	16° 31' 5"	60° 55' 9"	60° 38' 6"
5	45° 2' 53" 9	0° 22'	0.0040371	16° 25' 9"	16° 19' 6"	60° 18' 0"	59° 54' 8"
6	46° 0' 54" 3	0° 35'	0.0041409	16° 12' 6"	16° 5' 2"	59° 29' 2"	59° 2' 1"
7	46° 58' 53" 5	0° 47'	0.0042439	15° 57' 6"	15° 50' 1"	58° 34' 3"	58° 6' 5"
8	47° 56' 51" 3	0° 58'	0.0043459	15° 42' 5"	15° 35' 3"	57° 38' 9"	57° 12' 4"
9	48° 54' 47" 7	0° 67'	0.0044466	15° 28' 4"	15° 21' 9"	56° 47' 0"	56° 23' 2"
10	49° 52' 42" 9	0° 73'	0.0045460	15° 15' 8"	15° 10' 3"	56° 0' 9"	55° 40' 6"
11	50° 50' 36" 9	0° 76'	0.0046440	15° 5' 3"	15° 0' 7"	55° 22' 1"	55° 5' 4"
12	51° 48' 29" 5	0° 77'	0.0047405	14° 56' 7"	14° 53' 2"	54° 50' 7"	54° 37' 9"
13	52° 46' 20" 9	0° 75'	0.0048352	14° 50' 2"	14° 47' 6"	54° 26' 8"	54° 17' 3"
14	53° 44' 11" 1	0° 69'	0.0049281	14° 45' 5"	14° 43' 8"	54° 9' 5"	54° 3' 4"
15	54° 42' 0' 1	0° 61'	0.0050192	14° 42' 5"	14° 41' 7"	53° 58' 6"	53° 55' 6"
16	55° 39' 47" 7	0° 50'	0.0051081	14° 41' 3"	14° 41' 1"	53° 53' 9"	53° 53' 5"
17	56° 37' 33" 9	0° 38'	0.0051949	14° 41' 4"	14° 42' 0"	53° 54' 4"	53° 56' 7"
18	57° 35' 18" 8	0° 26'	0.0052796	14° 43' 0"	14° 44' 4"	54° 0' 4"	54° 5' 4"
19	58° 33' 2' 3	N. 0° 13'	0.0053621	14° 46' 2"	14° 48' 4"	54° 12' 0"	54° 20' 0"
20	59° 30' 44" 3	0° 00'	0.0054425	14° 51' 0"	14° 54' 0"	54° 29' 6"	54° 40' 6"
21	60° 28' 24" 7	S. 0° 12'	0.0055209	14° 57' 4"	15° 1' 3"	54° 53' 3"	55° 7' 6"
22	61° 26' 3' 8	0° 21'	0.0055972	15° 5' 7"	15° 10' 6"	55° 23' 7"	55° 41' 6"
23	62° 23' 41" 3	0° 28'	0.0056717	15° 15' 9"	15° 21' 6"	56° 1' 1"	56° 22' 2"
24	63° 21' 17" 3	0° 33'	0.0057445	15° 27' 9"	15° 34' 5"	56° 45' 2"	57° 9' 4"
25	64° 18' 51" 8	0° 34'	0.0058155	15° 41' 5"	15° 48' 6"	57° 34' 9"	58° 1' 2"
26	65° 16' 24" 9	0° 33'	0.0058850	15° 55' 9"	16° 3' 2"	58° 27' 9"	58° 54' 7"
27	66° 13' 56" 6	0° 28'	0.0059530	16° 10' 3"	16° 17' 1"	59° 20' 8"	59° 45' 7"
28	67° 11' 27" 0	0° 21'	0.0060196	16° 23' 5"	16° 29' 1"	60° 9' 0"	60° 29' 8"
29	68° 8' 56" 0	S. 0° 11'	0.0060849	16° 33' 9"	16° 37' 7"	60° 47' 2"	61° 1' 2"
30	69° 6' 23" 8	N. 0° 01'	0.0061489	16° 40' 3"	16° 41' 7"	61° 10' 9"	61° 16' 0"
31	70° 3' 50" 6	0° 14'	0.0062117	16° 41' 8"	16° 40' 6"	61° 16' 5"	61° 11' 9"
32	71° 1' 16" 4	N. 0° 28'	0.0062733	16° 38' 1"	16° 34' 4"	61° 2' 7"	60° 49' 0"

MEAN TIME.

		THE MOON'S															
Day of the Week.	Day of the Month.	Longitude.						Latitude.				Age.		Meridian Passage.			
		Noon.			Midnight.			Noon.		Midnight.		Noon.		Passage.			
		°	'	"	°	'	"	°	'	"	°	'	"	d		h	m
Wed.	1	205	0	6	212	35	8	S.3	56	41	S.3	27	46	13	8	11	14
Thur.	2	220	12	1	227	49	28	2	51	58	2	18	58	11	8	12	15
Frid.	3	235	26	10	243	0	55	1	40	30	S.1	0	23	15	8	13	18
Sat.	4	250	32	33	258	0	5	S.0	19	27	N.0	21	28	16	8	14	22
Sun.	5	265	22	43	272	39	46	N.1	1	37	1	40	16	17	8	15	23
Mon.	6	279	50	48	286	55	31	2	16	48	2	50	42	18	8	16	22
Tues.	7	293	53	47	300	45	37	3	21	31	3	48	57	19	8	17	15
Wed.	8	307	31	10	314	10	38	4	12	45	4	32	45	20	8	18	5
Thur.	9	320	44	21	327	12	39	4	48	52	5	1	4	21	8	18	51
Frid.	10	333	35	57	339	54	40	5	9	20	5	13	46	22	8	19	35
Sat.	11	346	9	14	352	20	5	5	14	25	5	11	23	23	8	20	18
Sun.	12	358	27	38	4	32	18	5	4	49	4	54	52	24	8	21	0
Mon.	13	10	34	28	16	34	29	4	41	41	4	25	29	25	8	21	43
Tues.	14	22	32	44	28	29	31	4	6	27	3	44	48	26	8	22	27
Wed.	15	31	25	9	40	19	55	3	20	48	2	54	40	27	8	23	13
Thur.	16	46	14	6	52	7	58	2	26	41	1	57	9	28	8		♄
Frid.	17	58	1	47	63	55	49	1	26	19	N.0	54	32	0	1	0	0
Sat.	18	69	50	22	75	45	41	N.0	22	5	S.0	10	40	1	1	0	49
Sun.	19	81	42	6	87	39	55	S.0	43	27	1	15	53	2	1	1	38
Mon.	20	93	39	28	99	41	8	1	47	40	2	18	26	3	1	2	27
Tues.	21	105	45	17	111	52	20	2	47	53	3	15	38	4	1	3	16
Wed.	22	118	2	41	124	16	48	3	41	22	4	4	45	5	1	4	4
Thur.	23	130	35	5	136	58	0	4	25	27	4	43	8	6	1	4	51
Frid.	24	143	25	57	149	59	19	4	57	28	5	8	9	7	1	5	38
Sat.	25	156	38	28	163	23	39	5	14	54	5	17	26	8	1	6	25
Sun.	26	170	15	4	177	12	48	5	15	31	5	8	59	9	1	7	13
Mon.	27	184	16	51	191	27	0	4	57	32	4	41	38	10	1	8	3
Tues.	28	198	42	56	206	4	9	4	20	52	3	55	34	11	1	8	57
Wed.	29	213	29	59	220	59	37	3	26	3	2	52	45	12	1	9	55
Thur.	30	228	32	6	236	6	22	2	16	13	1	37	8	13	1	10	56
Frid.	31	243	41	15	251	15	36	S.0	56	16	S.0	14	27	14	1	12	0
Sat.	32	258	48	15	266	18	6	N.0	27	27	N.1	8	38	15	1	13	4

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 17.</i>				<i>SUNDAY 19.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	3 41 41.73	N.21 8 21.5	40.68	0	5 24 3.57	N.22 28 33.7	9.20
1	3 43 47.49	21 12 25.6	39.72	1	5 26 12.85	22 27 38.5	10.30
2	3 45 53.38	21 16 23.9	38.75	2	5 28 22.15	22 26 36.7	11.35
3	3 47 59.39	21 20 16.4	37.77	3	5 30 31.45	22 25 28.6	12.45
4	3 50 5.52	21 24 3.0	36.78	4	5 32 40.75	22 24 13.9	13.50
5	3 52 11.77	21 27 43.7	35.82	5	5 34 50.06	22 22 52.9	14.60
6	3 54 18.14	21 31 18.6	34.82	6	5 36 59.36	22 21 25.3	15.67
7	3 56 24.63	21 34 47.5	33.82	7	5 39 8.67	22 19 51.3	16.75
8	3 58 31.24	21 38 10.4	32.82	8	5 41 17.97	22 18 10.8	17.82
9	4 0 37.96	21 41 27.3	31.83	9	5 43 27.26	22 16 23.9	18.88
10	4 2 44.78	21 44 38.3	30.82	10	5 45 36.53	22 14 30.6	19.97
11	4 4 51.72	21 47 43.2	29.82	11	5 47 45.80	22 12 30.8	21.03
12	4 6 58.76	21 50 42.1	28.80	12	5 49 55.05	22 10 24.6	22.10
13	4 9 5.91	21 53 34.9	27.78	13	5 52 4.28	22 8 12.0	23.18
14	4 11 13.17	21 56 21.6	26.77	14	5 54 13.49	22 5 52.9	24.23
15	4 13 20.52	21 59 2.2	25.75	15	5 56 22.68	22 3 27.5	25.32
16	4 15 27.97	22 1 36.7	24.72	16	5 58 31.84	22 0 55.6	26.37
17	4 17 35.52	22 4 5.0	23.70	17	6 0 40.97	21 58 17.4	27.45
18	4 19 43.16	22 6 27.2	22.67	18	6 2 50.08	21 55 32.7	28.50
19	4 21 50.90	22 8 43.2	21.62	19	6 4 59.15	21 52 41.7	29.55
20	4 23 58.72	22 10 52.9	20.60	20	6 7 8.18	21 49 44.4	30.62
21	4 26 6.63	22 12 56.5	19.55	21	6 9 17.18	21 46 40.7	31.67
22	4 28 14.62	22 14 53.8	18.50	22	6 11 26.14	21 43 30.7	32.73
23	4 30 22.69	N.22 16 44.8	17.47	23	6 13 35.06	N.21 40 14.3	33.78
<i>SATURDAY 18.</i>				<i>MONDAY 20.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	4 32 30.85	N.22 18 29.6	16.42	0	6 15 43.94	N.21 36 51.6	34.83
1	4 34 39.08	22 20 8.1	15.37	1	6 17 52.77	21 33 22.6	35.87
2	4 36 47.39	22 21 40.3	14.30	2	6 20 1.56	21 29 47.4	36.92
3	4 38 55.76	22 23 6.1	13.27	3	6 22 10.29	21 26 5.9	37.97
4	4 41 4.21	22 24 25.7	12.20	4	6 24 18.97	21 22 18.1	39.00
5	4 43 12.72	22 25 38.9	11.15	5	6 26 27.60	21 18 24.1	40.05
6	4 45 21.29	22 26 45.8	10.08	6	6 28 36.18	21 14 23.8	41.07
7	4 47 29.93	22 27 46.3	9.02	7	6 30 44.70	21 10 17.4	42.10
8	4 49 38.63	22 28 40.4	7.95	8	6 32 53.16	21 6 4.8	43.15
9	4 51 47.38	22 29 28.1	6.90	9	6 35 1.56	21 1 45.9	44.18
10	4 53 56.18	22 30 9.5	5.82	10	6 37 9.90	20 57 21.0	45.20
11	4 56 5.04	22 30 44.4	4.77	11	6 39 18.17	20 52 49.8	46.20
12	4 58 13.94	22 31 13.0	3.68	12	6 41 26.38	20 48 12.6	47.23
13	5 0 22.89	22 31 35.1	2.63	13	6 43 34.52	20 43 29.2	48.23
14	5 2 31.89	22 31 50.9	1.55	14	6 45 42.60	20 38 39.8	49.25
15	5 4 40.92	22 32 0.2	0.47	15	6 47 50.60	20 33 44.3	50.25
16	5 6 49.99	22 32 3.0	0.60	16	6 49 58.53	20 28 42.8	51.27
17	5 8 59.09	22 31 59.4	1.67	17	6 52 6.39	20 23 35.2	52.25
18	5 11 8.23	22 31 49.4	2.75	18	6 54 14.18	20 18 21.7	53.25
19	5 13 17.40	22 31 32.9	3.82	19	6 56 21.89	20 13 2.2	54.25
20	5 15 26.59	22 31 10.0	4.90	20	6 58 29.53	20 7 36.7	55.23
21	5 17 35.81	22 30 40.6	5.97	21	7 0 37.09	20 2 5.3	56.22
22	5 19 45.04	22 30 4.8	7.05	22	7 2 44.57	19 56 28.0	57.20
23	5 21 54.30	22 29 22.5	8.13	23	7 4 51.97	19 50 44.8	58.18
24	5 24 3.57	N.22 28 33.7		24	7 6 59.29	N.19 44 55.7	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
TUESDAY 21.				THURSDAY 23.			
	<i>h m s</i>	<i>o i "</i>	<i>"</i>		<i>h m s</i>	<i>o i "</i>	<i>"</i>
0	7 6 59.29	N.19 44 55.7	59.15	0	8 47 13.46	N.13 20 9.8	99.97
1	7 9 6.53	19 39 0.8	60.12	1	8 49 16.96	13 10 10.0	100.68
2	7 11 13.69	19 33 0.1	61.07	2	8 51 20.41	13 0 5.9	101.37
3	7 13 20.77	19 26 53.7	62.03	3	8 53 23.81	12 49 57.7	102.08
4	7 15 27.77	19 20 41.5	63.00	4	8 55 27.16	12 39 45.2	102.77
5	7 17 34.68	19 14 23.5	63.93	5	8 57 30.46	12 29 28.6	103.47
6	7 19 41.51	19 7 59.9	64.90	6	8 59 33.73	12 19 7.8	104.13
7	7 21 48.25	19 1 30.5	65.82	7	9 1 36.95	12 8 43.0	104.80
8	7 23 54.91	18 54 55.6	66.77	8	9 3 40.13	11 58 14.2	105.47
9	7 26 1.48	18 48 15.0	67.70	9	9 5 43.28	11 47 41.4	106.13
10	7 28 7.97	18 41 28.8	68.63	10	9 7 46.39	11 37 4.6	106.77
11	7 30 14.37	18 34 37.0	69.56	11	9 9 49.47	11 26 24.0	107.43
12	7 32 20.68	18 27 39.7	70.47	12	9 11 52.51	11 15 39.4	108.07
13	7 34 26.91	18 20 36.9	71.38	13	9 13 55.53	11 4 51.0	108.68
14	7 36 33.05	18 13 28.6	72.28	14	9 15 58.53	10 53 58.9	109.32
15	7 38 39.10	18 6 14.9	73.20	15	9 18 1.50	10 43 3.0	109.95
16	7 40 45.07	17 58 55.7	74.08	16	9 20 4.45	10 32 3.3	110.53
17	7 42 50.95	17 51 31.2	75.00	17	9 22 7.39	10 21 0.1	111.15
18	7 44 56.75	17 44 1.2	75.87	18	9 24 10.31	10 9 53.2	111.75
19	7 47 2.45	17 36 26.0	76.77	19	9 26 13.22	9 58 42.7	112.33
20	7 49 8.08	17 28 45.4	77.63	20	9 28 16.12	9 47 28.7	112.92
21	7 51 13.61	17 20 59.6	78.52	21	9 30 19.01	9 36 11.2	113.48
22	7 53 19.06	17 13 8.5	79.37	22	9 32 21.91	9 24 50.3	114.05
23	7 55 24.43	N.17 5 12.3	80.25	23	9 34 24.80	N. 9 13 26.0	114.62
WEDNESDAY 22.				FRIDAY 24.			
0	7 57 29.71	N.16 57 10.8	81.10	0	9 36 27.69	N. 9 1 58.3	115.17
1	7 59 34.91	16 49 4.2	81.95	1	9 38 30.59	8 50 27.3	115.70
2	8 1 40.02	16 40 52.5	82.80	2	9 40 33.50	8 38 53.1	116.25
3	8 3 45.06	16 32 35.7	83.65	3	9 42 36.41	8 27 15.6	116.78
4	8 5 50.01	16 24 13.8	84.48	4	9 44 39.35	8 15 34.9	117.28
5	8 7 54.88	16 15 46.9	85.30	5	9 46 42.29	8 3 51.2	117.82
6	8 9 59.67	16 7 15.1	86.13	6	9 48 45.26	7 52 4.3	118.33
7	8 12 4.38	15 58 38.3	86.95	7	9 50 48.26	7 40 14.3	118.82
8	8 14 9.01	15 49 56.6	87.77	8	9 52 51.28	7 28 21.4	119.32
9	8 16 13.57	15 41 10.0	88.57	9	9 54 54.33	7 16 25.5	119.80
10	8 18 18.05	15 32 18.6	89.38	10	9 56 57.42	7 4 26.7	120.27
11	8 20 22.45	15 23 22.3	90.17	11	9 59 0.54	6 52 25.1	120.75
12	8 22 26.78	15 14 21.3	90.95	12	10 1 3.70	6 40 20.6	121.22
13	8 24 31.04	15 5 15.6	91.75	13	10 3 6.90	6 28 13.3	121.65
14	8 26 35.22	14 56 5.1	92.52	14	10 5 10.15	6 16 3.4	122.12
15	8 28 39.33	14 46 50.0	93.30	15	10 7 13.45	6 3 50.7	122.53
16	8 30 43.38	14 37 30.2	94.05	16	10 9 16.81	5 51 35.5	122.98
17	8 32 47.36	14 28 5.9	94.82	17	10 11 20.22	5 39 17.6	123.38
18	8 34 51.27	14 18 37.0	95.58	18	10 13 23.69	5 26 57.3	123.80
19	8 36 55.12	14 9 3.5	96.32	19	10 15 27.23	5 14 34.5	124.22
20	8 38 58.91	13 59 25.6	97.07	20	10 17 30.83	5 2 9.2	124.60
21	8 41 2.63	13 49 43.2	97.80	21	10 19 34.51	4 49 41.6	124.98
22	8 43 6.30	13 39 56.4	98.52	22	10 21 38.26	4 37 11.7	125.37
23	8 45 9.91	13 30 5.3	99.25	23	10 23 42.09	4 24 39.5	125.73
24	8 47 13.46	N.13 20 9.8		24	10 25 46.00	N. 4 12 5.1	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SATURDAY 25.</i>				<i>MONDAY 27.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	10 25 46.00	N. 4 12 5.1	126.08	0	12 7 47.50	S. 6 15 16.4	131.08
1	10 27 50.00	3 59 28.6	126.45	1	12 10 0.29	6 28 22.9	130.87
2	10 29 54.09	3 46 49.9	126.78	2	12 12 13.36	6 41 28.1	130.67
3	10 31 58.27	3 34 9.2	127.12	3	12 14 26.72	6 54 32.1	130.45
4	10 34 2.55	3 21 26.5	127.43	4	12 16 40.37	7 7 34.8	130.20
5	10 36 6.93	3 8 41.9	127.75	5	12 18 54.31	7 20 36.0	129.93
6	10 38 11.42	2 55 55.4	128.06	6	12 21 8.54	7 33 35.6	129.68
7	10 40 16.02	2 43 7.1	128.35	7	12 23 23.08	7 46 33.7	129.40
8	10 42 20.72	2 30 17.0	128.63	8	12 25 37.91	7 59 30.1	129.08
9	10 44 25.55	2 17 25.2	128.92	9	12 27 53.06	8 12 24.6	128.78
10	10 46 30.50	2 4 31.7	129.18	10	12 30 8.51	8 25 17.3	128.45
11	10 48 35.57	1 51 36.6	129.43	11	12 32 24.27	8 38 8.0	128.10
12	10 50 40.76	1 38 40.0	129.68	12	12 34 40.35	8 50 56.6	127.75
13	10 52 46.09	1 25 41.9	129.92	13	12 36 56.75	9 3 43.1	127.37
14	10 54 51.56	1 12 42.4	130.15	14	12 39 13.48	9 16 27.3	126.98
15	10 56 57.16	0 59 41.5	130.35	15	12 41 30.53	9 29 9.2	126.57
16	10 59 2.91	0 46 39.4	130.57	16	12 43 47.91	9 41 48.6	126.15
17	11 1 8.81	0 33 36.0	130.77	17	12 46 5.63	9 54 25.5	125.70
18	11 3 14.86	0 20 31.4	130.95	18	12 48 23.68	10 6 59.7	125.25
19	11 5 21.07	N. 0 7 25.7	131.12	19	12 50 42.06	10 19 31.2	124.77
20	11 7 27.41	S. 0 5 41.0	131.28	20	12 53 0.79	10 31 59.8	124.28
21	11 9 33.98	0 18 48.7	131.43	21	12 55 19.86	10 44 25.5	123.77
22	11 11 40.68	0 31 57.3	131.58	22	12 57 39.28	10 56 48.1	123.25
23	11 13 47.56	S. 0 45 6.8	131.72	23	12 59 59.04	S. 11 9 7.6	122.72
<i>SUNDAY 26.</i>				<i>TUESDAY 28.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	11 15 54.61	S. 0 58 17.1	131.83	0	13 2 19.16	S. 11 21 23.9	122.15
1	11 18 1.84	1 11 28.1	131.93	1	13 4 39.63	11 33 36.8	121.58
2	11 20 9.26	1 24 39.7	132.05	2	13 7 0.46	11 45 46.3	120.98
3	11 22 16.87	1 37 52.0	132.12	3	13 9 21.65	11 57 52.2	120.37
4	11 24 24.67	1 51 4.7	132.20	4	13 11 43.20	12 9 54.4	119.75
5	11 26 32.67	2 4 17.9	132.27	5	13 14 5.11	12 21 52.9	119.10
6	11 28 40.86	2 17 31.5	132.32	6	13 16 27.38	12 33 47.5	118.43
7	11 30 49.27	2 30 45.4	132.35	7	13 18 50.02	12 45 38.1	117.77
8	11 32 57.88	2 43 59.5	132.38	8	13 21 13.03	12 57 24.7	117.07
9	11 35 6.71	2 57 13.8	132.40	9	13 23 36.41	13 9 7.1	116.35
10	11 37 15.75	3 10 28.2	132.38	10	13 26 0.16	13 20 45.2	115.62
11	11 39 25.02	3 23 42.5	132.40	11	13 28 24.28	13 32 18.9	114.87
12	11 41 34.51	3 36 56.9	132.37	12	13 30 48.77	13 43 48.1	114.10
13	11 43 44.23	3 50 11.1	132.33	13	13 33 13.64	13 55 12.7	113.32
14	11 45 54.19	4 3 25.1	132.28	14	13 35 38.89	14 6 32.6	112.52
15	11 48 4.38	4 16 38.8	132.23	15	13 38 4.51	14 17 47.7	111.68
16	11 50 14.82	4 29 52.2	132.15	16	13 40 30.51	14 28 57.8	110.87
17	11 52 25.50	4 43 5.1	132.07	17	13 42 56.89	14 40 3.0	109.99
18	11 54 36.43	4 56 17.5	131.97	18	13 45 23.64	14 51 2.9	109.12
19	11 56 47.62	5 9 29.3	131.85	19	13 47 50.78	15 1 57.6	108.22
20	11 58 59.06	5 22 40.4	131.73	20	13 50 18.29	15 12 46.9	107.32
21	12 1 10.77	5 35 50.8	131.58	21	13 52 46.18	15 23 30.8	106.38
22	12 3 22.74	5 49 0.3	131.42	22	13 55 14.45	15 34 9.1	105.43
23	12 5 34.98	6 2 8.8	131.27	23	13 57 43.10	15 44 41.7	104.47
24	12 7 47.50	S. 6 15 16.4		24	14 0 12.12	S. 15 55 8.5	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>WEDNESDAY 29.</i>				<i>FRIDAY 31.</i>			
	<i>h m s</i>	<i>o t u</i>	<i>u</i>		<i>h m s</i>	<i>o t u</i>	<i>u</i>
0	14 0 12.12	S. 15 55 8.5	103.48	0	16 5 55.71	S. 21 49 38.9	37.27
1	14 2 41.52	16 5 29.4	102.48	1	16 8 38.92	21 53 22.5	35.38
2	14 5 11.30	16 15 44.3	101.45	2	16 11 22.26	21 56 56.0	33.90
3	14 7 41.45	16 25 53.0	100.43	3	16 14 5.71	22 0 19.4	32.20
4	14 10 11.98	16 35 55.6	99.35	4	16 16 49.27	22 3 32.6	30.50
5	14 12 42.88	16 45 51.7	98.30	5	16 19 32.92	22 6 35.6	28.90
6	14 15 14.15	16 55 41.5	97.18	6	16 22 16.67	22 9 28.4	27.10
7	14 17 45.79	17 5 24.6	96.08	7	16 25 0.49	22 12 11.0	25.38
8	14 20 17.80	17 15 1.1	94.97	8	16 27 44.38	22 14 43.3	23.65
9	14 22 50.17	17 24 30.9	93.80 ⁰	9	16 30 28.33	22 17 5.2	21.95
10	14 25 22.91	17 33 53.7	92.65	10	16 33 12.32	22 19 16.9	20.22
11	14 27 56.01	17 43 9.6	91.57	11	16 35 56.36	22 21 18.2	18.48
12	14 30 29.46	17 52 18.4	90.27	12	16 38 40.43	22 23 9.1	16.75
13	14 33 3.28	18 1 20.0	89.05	13	16 41 24.52	22 24 49.6	15.03
14	14 35 37.41	18 10 14.3	87.83	14	16 44 8.61	22 26 19.8	13.28
15	14 38 11.96	18 19 1.3	86.57	15	16 46 52.71	22 27 39.5	11.57
16	14 40 46.83	18 27 40.7	85.30	16	16 49 36.80	22 28 48.9	9.82
17	14 43 22.03	18 36 12.5	84.03	17	16 52 20.86	22 29 47.8	8.10
18	14 45 57.58	18 44 36.7	82.72	18	16 55 4.89	22 30 36.4	6.35
19	14 48 33.46	18 52 53.0	81.40	19	16 57 48.89	22 31 14.5	4.63
20	14 51 9.68	19 1 1.4	80.08	20	17 0 32.83	22 31 42.3	2.90
21	14 53 46.22	19 9 1.9	78.72	21	17 3 16.71	22 31 59.7	1.17
22	14 56 23.09	19 16 54.2	77.37	22	17 6 0.52	22 32 6.7	0.55
23	14 59 0.27	S. 19 24 38.4	75.98	23	17 8 44.25	S. 22 32 3.4	2.28
<i>THURSDAY 30.</i>				<i>SATURDAY, JUNE 1.</i>			
0	15 1 37.76	S. 19 32 14.3	74.58	0	17 11 27.89	S. 22 31 49.7	
1	15 4 15.57	19 39 41.8	73.18				
2	15 6 53.68	19 47 0.9	71.75				
3	15 9 32.08	19 54 11.4	70.32				
4	15 12 10.78	20 1 13.3	68.87				
5	15 14 49.76	20 8 6.5	67.38				
6	15 17 29.03	20 14 50.8	65.92				
7	15 20 8.56	20 21 26.3	64.42				
8	15 22 48.36	20 27 52.8	62.90				
9	15 25 28.43	20 34 10.2	61.40				
10	15 28 8.74	20 40 18.6	59.85				
11	15 30 49.31	20 46 17.7	58.32				
12	15 33 30.11	20 52 7.6	56.75				
13	15 36 11.15	20 57 48.1	55.20				
14	15 38 52.41	21 3 19.3	53.60				
15	15 41 33.90	21 8 40.9	52.02				
16	15 44 15.59	21 13 53.0	50.42				
17	15 46 57.48	21 18 55.5	48.80				
18	15 49 39.57	21 23 48.3	47.17				
19	15 52 21.81	21 28 31.3	45.55				
20	15 55 4.30	21 33 4.6	43.92				
21	15 57 46.92	21 37 28.1	42.25				
22	16 0 29.70	21 41 41.6	40.62				
23	16 3 12.64	21 45 45.3	38.93				
24	16 5 55.71	S. 21 49 38.9					

PHASES OF THE MOON.

	<i>d</i>	<i>h</i>	<i>m</i>
○ Full Moon - - -	2	3	16.1
☾ Last Quarter - - -	8	20	22.6
● New Moon - - -	16	20	53.4
☽ First Quarter - - -	24	19	30.0
○ Full Moon - - -	31	10	47.1

	<i>d</i>	<i>h</i>
☾ Perigee - - - - -	2	9
☾ Apogee - - - - -	16	10
☾ Perigee - - - - -	30	19

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	71° 1' 16" .4	N. 0° 28'	0.0062733	16 38' .1	16 34' .4	61' 2" .7	60 49' .0
2	71 58 41 .1	0° 41'	0.0063337	16 29' .6	16 23' .8	60 31' .5	60 10' .3
3	72 56 5' .1	0° 54'	0.0063930	16 17' .2	16 10' .0	59 46' .2	59 19' .8
4	73 53 28' .3	0° 65'	0.0064509	16 2' .4	15 54' .6	58 51' .8	58 23' .2
5	74 50 50' .8	0° 74'	0.0065074	15 46' .7	15 38' .9	57 54' .3	57 25' .5
6	75 48 12' .7	0° 81'	0.0065624	15 31' .3	15 24' .1	56 57' .7	56 31' .4
7	76 45 34' .0	0° 84'	0.0066157	15 17' .4	15 11' .2	56 6' .7	55 43' .8
8	77 42 54' .9	0° 85'	0.0066671	15 5' .6	15 0' .6	55 23' .3	55 4' .9
9	78 40 15' .2	0° 84'	0.0067166	14 56' .2	14 52' .4	54 48' .7	54 34' .8
10	79 37 35' .2	0° 79'	0.0067640	14 49' .2	14 46' .7	54 23' .2	54 14' .0
11	80 34 54' .8	0° 71'	0.0068093	14 44' .7	14 43' .4	54 6' .8	54 1' .7
12	81 32 13' .9	0° 61'	0.0068523	14 42' .5	14 42' .1	53 58' .4	53 57' .1
13	82 29 32' .5	0° 49'	0.0068929	14 42' .2	14 42' .8	53 57' .4	53 59' .6
14	83 26 50' .7	0° 36'	0.0069309	14 43' .7	14 45' .1	54 3' .0	54 7' .9
15	84 24 8' .4	0° 23'	0.0069664	14 46' .7	14 48' .8	54 14' .0	54 21' .5
16	85 21 25' .5	N. 0° 10'	0.0069993	14 51' .1	14 53' .7	54 30' .1	54 39' .8
17	86 18 42' .2	S. 0° 01'	0.0070297	14 56' .7	14 59' .9	54 50' .5	55 2' .5
18	87 15 58' .2	0° 11'	0.0070573	15 3' .4	15 7' .3	55 15' .4	55 29' .4
19	88 13 13' .6	0° 19'	0.0070826	15 11' .3	15 15' .6	55 44' .1	55 59' .9
20	89 10 28' .4	0° 24'	0.0071053	15 20' .2	15 25' .0	56 16' .9	56 34' .5
21	90 7 42' .6	0° 26'	0.0071257	15 30' .1	15 35' .4	56 53' .2	57 12' .6
22	91 4 56' .1	0° 26'	0.0071439	15 40' .9	15 46' .6	57 33' .0	57 53' .9
23	92 2 9' .1	0° 22'	0.0071600	15 52' .5	15 58' .3	58 15' .3	58 36' .7
24	92 59 21' .5	0° 15'	0.0071742	16 4' .1	16 9' .6	58 57' .9	59 18' .2
25	93 56 33' .3	S. 0° 06'	0.0071864	16 14' .9	16 19' .8	59 37' .6	59 55' .5
26	94 53 44' .7	N. 0° 05'	0.0071967	16 24' .1	16 27' .6	60 11' .3	60 24' .3
27	95 50 55' .7	0° 18'	0.0072056	16 30' .4	16 32' .1	60 34' .5	60 40' .8
28	96 48 6' .3	0° 32'	0.0072127	16 32' .9	16 32' .5	60 43' .6	60 42' .3
29	97 45 16' .8	0° 45'	0.0072184	16 31' .0	16 28' .5	60 36' .7	60 27' .4
30	98 42 27' .1	0° 58'	0.0072227	16 24' .9	16 20' .3	60 14' .3	59 57' .3
31	99 39 37' .3	N. 0° 69'	0.0072255	16 14' .8	16 8' .8	59 37' .4	59 15' .1

MEAN TIME.

THE MOON'S

Day of the Week.	Day of the Month.	Longitude.		Latitude.		Age.	Meridian
		Noon.	Midnight.	Noon.	Midnight.	Noon.	Passage.
Sat.	1	258 48 15·9	266 18 6·3	N.0 27 27·4	N.1 8 38·3	15·1	13 4·5
Sun.	2	273 44 7·5	281 5 26·0	1 48 18·2	2 25 43·7	16·1	14 6·3
Mon.	3	288 21 17·7	295 31 8·3	3 0 18·8	3 31 33·6	17·1	15 4·0
Tues.	4	302 34 33·5	309 31 19·3	3 59 5·5	4 22 38·1	18·1	15 57·2
Wed.	5	316 21 20·8	323 4 41·6	4 42 2·0	4 57 12·2	19·1	16 46·3
Thur.	6	329 41 32·7	336 12 11·4	5 8 9·5	5 14 56·8	20·1	17 32·3
Frid.	7	342 37 0·0	348 56 24·3	5 17 41·1	5 16 30·7	21·1	18 16·2
Sat.	8	355 10 53·3	1 20 58·3	5 11 36·0	5 3 8·2	22·1	18 59·1
Sun.	9	7 27 10·7	13 30 3·2	4 51 19·0	4 36 21·2	23·1	19 42·1
Mon.	10	19 30 7·8	25 27 56·1	4 18 28·4	3 57 53·8	24·1	20 25·7
Tues.	11	31 23 58·9	37 18 45·1	3 34 51·4	3 9 36·1	25·1	21 10·7
Wed.	12	43 12 42·9	49 6 18·3	2 42 23·0	2 13 27·7	26·1	21 57·3
Thur.	13	54 59 55·7	60 53 57·8	1 43 7·3	1 11 38·7	27·1	22 45·4
Frid.	14	66 48 45·6	72 44 38·5	N.0 39 20·2	N.0 6 30·9	28·1	23 34·7
Sat.	15	78 41 54·2	84 40 49·1	S.0 26 29·8	S.0 59 21·2	29·1	♊
Sun.	16	90 41 38·2	96 44 35·9	1 31 42·8	2 3 12·7	0·5	0 24·4
Mon.	17	102 49 55·4	108 57 49·6	2 33 30·0	3 2 13·3	1·5	1 13·8
Tues.	18	115 8 30·8	121 22 11·4	3 29 0·8	3 53 32·3	2·5	2 2·4
Wed.	19	127 39 3·5	133 59 19·7	4 15 27·0	4 34 26·2	3·5	2 49·9
Thur.	20	140 23 12·4	146 50 53·8	4 50 11·3	5 2 25·5	4·5	3 36·5
Frid.	21	153 22 36·4	159 58 31·6	5 10 53·3	5 15 21·6	5·5	4 22·8
Sat.	22	166 38 50·2	173 23 41·2	5 15 39·0	5 11 36·6	6·5	5 9·4
Sun.	23	180 13 11·7	187 7 25·8	5 3 9·0	4 50 14·4	7·5	5 57·5
Mon.	24	194 6 23·9	201 10 2·2	4 32 54·5	4 11 16·0	8·5	6 47·9
Tues.	25	208 18 11·3	215 30 36·5	3 45 31·6	3 15 58·1	9·5	7 41·8
Wed.	26	222 46 55·9	230 6 41·3	2 42 59·4	2 7 5·2	10·5	8 39·4
Thur.	27	237 29 16·9	244 54 0·8	1 28 50·6	S.0 48 55·7	11·5	9 40·6
Frid.	28	252 20 4·8	259 46 35·8	S.0 8 5·2	N.0 32 55·0	12·5	10 43·8
Sat.	29	267 12 37·2	274 37 11·3	N.1 13 16·9	1 52 14·5	13·5	11 46·7
Sun.	30	281 59 20·5	289 18 9·9	2 29 4·9	3 3 9·4	14·5	12 47·0
Mon.	31	296 32 49·0	303 42 34·0	N.3 33 54·5	N.4 0 54·9	15·5	13 43·5

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 9.</i>				<i>TUESDAY 11.</i>			
	<i>h m s</i>	<i>o i "</i>	<i>"</i>		<i>h m s</i>	<i>o i "</i>	<i>"</i>
0	0 19 38.34	N. 7 25 2.3	110.00	0	1 51 49.79	N. 15 19 30.7	84.92
1	0 21 32.13	7 36 2.3	109.62	1	1 53 47.51	15 28 0.2	84.27
2	0 23 25.93	7 47 0.0	109.23	2	1 55 45.37	15 36 25.8	83.58
3	0 25 19.76	7 57 55.4	108.83	3	1 57 43.37	15 44 47.3	82.92
4	0 27 13.61	8 8 48.4	108.43	4	1 59 41.50	15 53 4.8	82.22
5	0 29 7.48	8 19 39.0	108.02	5	2 1 39.77	16 1 18.1	81.53
6	0 31 1.39	8 30 27.1	107.60	6	2 3 38.18	16 9 27.3	80.83
7	0 32 55.33	8 41 12.7	107.18	7	2 5 36.74	16 17 32.3	80.15
8	0 34 49.31	8 51 55.8	106.77	8	2 7 35.44	16 25 33.2	79.42
9	0 36 43.33	9 2 36.4	106.33	9	2 9 34.28	16 33 29.7	78.72
10	0 38 37.38	9 13 14.4	105.88	10	2 11 33.26	16 41 22.0	78.00
11	0 40 31.49	9 23 49.7	105.46	11	2 13 32.39	16 49 10.0	77.28
12	0 42 25.64	9 34 22.4	105.00	12	2 15 31.67	16 56 53.7	76.55
13	0 44 19.85	9 44 52.4	104.53	13	2 17 31.10	17 4 33.0	75.80
14	0 46 14.11	9 55 19.6	104.08	14	2 19 30.68	17 12 7.8	75.07
15	0 48 8.42	10 5 44.1	103.62	15	2 21 30.40	17 19 38.2	74.32
16	0 50 2.80	10 16 5.8	103.15	16	2 23 30.28	17 27 4.1	73.57
17	0 51 57.24	10 26 24.7	102.67	17	2 25 30.31	17 34 25.5	72.80
18	0 53 51.74	10 36 40.7	102.18	18	2 27 30.50	17 41 42.3	72.03
19	0 55 46.32	10 46 53.8	101.68	19	2 29 30.83	17 48 54.5	71.27
20	0 57 40.96	10 57 3.9	101.18	20	2 31 31.32	17 56 2.1	70.44
21	0 59 35.68	11 7 11.0	100.70	21	2 33 31.96	18 3 5.0	69.70
22	1 1 30.47	11 17 15.2	100.18	22	2 35 32.76	18 10 3.2	68.92
23	1 3 25.34	N. 11 27 16.3	99.67	23	2 37 33.72	N. 18 16 56.7	68.12
<i>MONDAY 10.</i>				<i>WEDNESDAY 12.</i>			
	<i>h m s</i>	<i>o i "</i>	<i>"</i>		<i>h m s</i>	<i>o i "</i>	<i>"</i>
0	1 5 20.30	N. 11 37 14.3	99.15	0	2 39 34.83	N. 18 23 45.4	67.32
1	1 7 15.34	11 47 9.2	98.62	1	2 41 36.10	18 30 29.3	66.50
2	1 9 10.47	11 57 0.9	98.10	2	2 43 37.52	18 37 8.3	65.70
3	1 11 5.68	12 6 49.5	97.55	3	2 45 39.10	18 43 42.5	64.88
4	1 13 0.99	12 16 34.8	97.02	4	2 47 40.83	18 50 11.8	64.05
5	1 14 56.39	12 26 16.9	96.47	5	2 49 42.73	18 56 36.1	63.23
6	1 16 51.89	12 35 55.7	95.92	6	2 51 44.78	19 2 55.5	62.38
7	1 18 47.49	12 45 31.2	95.35	7	2 53 46.99	19 9 9.8	61.53
8	1 20 43.19	12 55 3.3	94.78	8	2 55 49.35	19 15 19.1	60.72
9	1 22 38.99	13 4 32.0	94.20	9	2 57 51.87	19 21 23.4	59.85
10	1 24 34.89	13 13 57.2	93.63	10	2 59 54.55	19 27 22.5	59.00
11	1 26 30.91	13 23 19.0	93.05	11	3 1 57.38	19 33 16.5	58.13
12	1 28 27.03	13 32 37.3	92.47	12	3 4 0.37	19 39 5.3	57.27
13	1 30 23.27	13 41 52.1	91.85	13	3 6 3.51	19 44 48.9	56.40
14	1 32 19.62	13 51 3.2	91.27	14	3 8 6.81	19 50 27.3	55.52
15	1 34 16.08	14 0 10.8	90.65	15	3 10 10.26	19 56 0.4	54.63
16	1 36 12.67	14 9 14.7	90.05	16	3 12 13.86	20 1 28.2	53.75
17	1 38 9.37	14 18 15.0	89.42	17	3 14 17.62	20 6 50.7	52.85
18	1 40 6.19	14 27 11.5	88.80	18	3 16 21.53	20 12 7.8	51.93
19	1 42 3.14	14 36 4.3	88.17	19	3 18 25.59	20 17 19.5	51.03
20	1 44 0.22	14 44 53.3	87.52	20	3 20 29.81	20 22 25.8	50.13
21	1 45 57.42	14 53 38.4	86.90	21	3 22 34.18	20 27 26.6	49.22
22	1 47 54.74	15 2 19.8	86.23	22	3 24 38.69	20 32 21.9	48.30
23	1 49 52.20	15 10 57.2	85.58	23	3 26 43.36	20 37 11.7	47.38
24	1 51 49.79	N. 15 19 30.7		24	3 28 48.17	N. 20 41 56.0	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .
<i>THURSDAY 13.</i>				<i>SATURDAY 15.</i>			
	<i>h m s</i>	<i>° ' "</i>	<i>"</i>		<i>h m s</i>	<i>° ' "</i>	<i>"</i>
0	3 28 48.17	N.20 41 56.0	46.745	0	5 11 0.09	N.22 32 14.7	2.773
1	3 30 53.13	20 46 34.7	45.50	1	5 13 9.87	22 31 58.3	3.882
2	3 32 58.23	20 51 7.7	44.58	2	5 15 19.68	22 31 35.4	4.990
3	3 35 3.47	20 55 35.2	43.62	3	5 17 29.53	22 31 6.0	6.000
4	3 37 8.86	20 59 56.9	42.68	4	5 19 39.41	22 30 30.0	7.007
5	3 39 14.40	21 4 13.0	41.72	5	5 21 49.33	22 29 47.6	8.117
6	3 41 20.07	21 8 23.3	40.77	6	5 23 59.27	22 28 58.6	9.225
7	3 43 25.88	21 12 27.9	39.80	7	5 26 9.23	22 28 3.1	10.333
8	3 45 31.83	21 16 26.7	38.83	8	5 28 19.22	22 27 1.1	11.443
9	3 47 37.91	21 20 19.7	37.85	9	5 30 29.22	22 25 52.5	12.552
10	3 49 44.13	21 24 6.8	36.88	10	5 32 39.24	22 24 37.4	13.660
11	3 51 50.48	21 27 48.1	35.90	11	5 34 49.27	22 23 15.8	14.668
12	3 53 56.97	21 31 23.5	34.92	12	5 36 59.31	22 21 47.7	15.778
13	3 56 3.58	21 34 53.0	33.92	13	5 39 9.36	22 20 13.0	16.887
14	3 58 10.32	21 38 16.5	32.93	14	5 41 19.41	22 18 31.8	17.995
15	4 0 17.19	21 41 34.1	31.93	15	5 43 29.46	22 16 44.1	19.005
16	4 2 24.18	21 44 45.7	30.93	16	5 45 39.50	22 14 49.8	20.112
17	4 4 31.29	21 47 51.3	29.92	17	5 47 49.55	22 12 49.1	21.222
18	4 6 38.53	21 50 50.8	28.92	18	5 49 59.58	22 10 41.8	22.228
19	4 8 45.88	21 53 44.3	27.90	19	5 52 9.60	22 8 28.1	23.338
20	4 10 53.35	21 56 31.7	26.88	20	5 54 19.62	22 6 7.8	24.445
21	4 13 0.93	21 59 13.0	25.87	21	5 56 29.61	22 3 41.1	25.553
22	4 15 8.62	22 1 48.2	24.83	22	5 58 39.59	22 1 7.9	26.662
23	4 17 16.43	N.22 4 17.2	23.82	23	6 0 49.54	N.21 58 28.2	27.668
<i>FRIDAY 14.</i>				<i>SUNDAY 16.</i>			
0	4 19 24.34	N.22 6 40.1	22.78	0	6 2 59.47	N.21 55 42.1	28.777
1	4 21 32.36	22 8 56.8	21.75	1	6 5 9.37	21 52 49.5	29.883
2	4 23 40.48	22 11 7.3	20.72	2	6 7 19.25	21 49 50.5	30.990
3	4 25 48.70	22 13 11.6	19.67	3	6 9 29.09	21 46 45.1	31.997
4	4 27 57.02	22 15 9.6	18.62	4	6 11 38.89	21 43 33.3	33.005
5	4 30 5.44	22 17 1.3	17.58	5	6 13 48.66	21 40 15.0	34.110
6	4 32 13.95	22 18 46.8	16.53	6	6 15 58.39	21 36 50.4	35.117
7	4 34 22.55	22 20 26.0	15.48	7	6 18 8.07	21 33 19.4	36.220
8	4 36 31.24	22 21 58.9	14.42	8	6 20 17.71	21 29 42.1	37.228
9	4 38 40.01	22 23 25.4	13.37	9	6 22 27.31	21 25 58.4	38.235
10	4 40 48.87	22 24 45.6	12.30	10	6 24 36.85	21 22 8.3	39.238
11	4 42 57.81	22 25 59.4	11.25	11	6 26 46.34	21 18 12.0	40.245
12	4 45 6.82	22 27 6.9	10.18	12	6 28 55.78	21 14 9.3	41.250
13	4 47 15.91	22 28 8.0	9.10	13	6 31 5.16	21 10 0.3	42.253
14	4 49 25.08	22 29 2.6	8.03	14	6 33 14.48	21 5 45.1	43.257
15	4 51 34.31	22 29 50.8	6.97	15	6 35 23.74	21 1 23.7	44.262
16	4 53 43.61	22 30 32.6	5.90	16	6 37 32.93	20 56 56.0	45.265
17	4 55 52.97	22 31 8.0	4.82	17	6 39 42.06	20 52 22.1	46.268
18	4 58 2.40	22 31 36.9	3.75	18	6 41 51.13	20 47 42.0	47.270
19	5 0 11.88	22 31 59.4	2.67	19	6 44 0.12	20 42 55.8	48.273
20	5 2 21.12	22 32 15.4	1.60	20	6 46 9.04	20 38 3.1	49.275
21	5 4 31.02	22 32 25.0	0.50	21	6 48 17.89	20 33 4.9	50.277
22	5 6 40.66	22 32 28.0	0.57	22	6 50 26.66	20 28 0.3	51.278
23	5 8 50.35	22 32 24.6	1.65	23	6 52 35.36	20 22 49.6	52.280
24	5 11 0.09	N.22 32 14.7		24	6 54 43.98	N.20 17 32.8	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>TUESDAY 25.</i>				<i>THURSDAY 27.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	13 39 37.32	S. 14 23 15.2	107.57	0	15 39 23.62	S. 21 3 24.2	52.22
1	13 41 58.71	14 34 0.6	106.78	1	15 42 1.20	21 8 37.5	50.73
2	13 44 20.45	14 44 41.3	105.98	2	15 44 39.03	21 13 41.9	49.22
3	13 46 42.56	14 55 17.2	105.15	3	15 47 17.11	21 18 37.2	47.68
4	13 49 5.03	15 5 48.1	104.32	4	15 49 55.42	21 23 23.3	46.17
5	13 51 27.85	15 16 14.0	103.47	5	15 52 33.97	21 28 0.3	44.63
6	13 53 51.04	15 26 34.8	102.60	6	15 55 12.74	21 32 28.1	43.07
7	13 56 14.60	15 36 50.4	101.72	7	15 57 51.73	21 36 46.5	41.52
8	13 58 38.52	15 47 0.7	100.82	8	16 0 30.93	21 40 55.6	39.95
9	14 1 2.80	15 57 5.6	99.90	9	16 3 10.34	21 44 55.3	38.37
10	14 3 27.45	16 7 5.0	98.97	10	16 5 49.94	21 48 45.5	36.78
11	14 5 52.46	16 16 58.8	98.02	11	16 8 29.73	21 52 26.2	35.20
12	14 8 17.84	16 26 46.9	97.06	12	16 11 9.70	21 55 57.4	33.63
13	14 10 43.58	16 36 29.2	96.08	13	16 13 49.85	21 59 18.9	31.98
14	14 13 9.69	16 46 5.7	95.08	14	16 16 30.16	22 2 30.8	30.37
15	14 15 36.17	16 55 36.2	94.07	15	16 19 10.63	22 5 33.0	28.71
16	14 18 3.01	17 5 0.6	93.05	16	16 21 51.24	22 8 25.4	27.12
17	14 20 30.21	17 14 18.9	91.98	17	16 24 32.00	22 11 8.1	25.47
18	14 22 57.78	17 23 30.8	90.95	18	16 27 12.89	22 13 40.9	23.83
19	14 25 25.71	17 32 36.5	89.87	19	16 29 53.91	22 16 3.9	22.18
20	14 27 54.00	17 41 35.7	88.77	20	16 32 35.04	22 18 17.0	20.52
21	14 30 22.65	17 50 28.3	87.67	21	16 35 16.27	22 20 20.1	18.87
22	14 32 51.66	17 59 14.3	86.55	22	16 37 57.61	22 22 13.3	17.22
23	14 35 21.03	S. 18 7 53.6	85.40	23	16 40 39.04	S. 22 23 56.6	15.53
<i>WEDNESDAY 26.</i>				<i>FRIDAY 28.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	14 37 50.75	S. 18 16 26.0	84.25	0	16 43 20.54	S. 22 25 29.8	13.87
1	14 40 20.83	18 24 51.5	83.08	1	16 46 2.12	22 26 53.0	12.18
2	14 42 51.26	18 33 10.0	81.90	2	16 48 43.76	22 28 6.1	10.52
3	14 45 22.05	18 41 21.4	80.72	3	16 51 25.45	22 29 9.2	8.83
4	14 47 53.18	18 49 25.7	79.48	4	16 54 7.19	22 30 2.2	7.17
5	14 50 24.66	18 57 22.6	78.25	5	16 56 48.96	22 30 45.2	5.47
6	14 52 56.48	19 5 12.1	77.02	6	16 59 30.76	22 31 18.0	3.80
7	14 55 28.64	19 12 54.2	75.75	7	17 2 12.57	22 31 40.8	2.16
8	14 58 1.13	19 20 28.7	74.48	8	17 4 54.39	22 31 53.4	0.43
9	15 0 33.96	19 27 55.6	73.18	9	17 7 36.21	22 31 56.0	1.27
10	15 3 7.11	19 35 14.7	71.90	10	17 10 18.02	22 31 48.4	2.93
11	15 5 40.59	19 42 26.1	70.57	11	17 12 59.80	22 31 30.8	4.62
12	15 8 14.40	19 49 29.5	69.23	12	17 15 41.56	22 31 3.1	6.30
13	15 10 48.53	19 56 24.9	67.90	13	17 18 23.28	22 30 25.3	7.95
14	15 13 22.97	20 3 12.3	66.53	14	17 21 4.95	22 29 37.4	9.65
15	15 15 57.71	20 9 51.5	65.17	15	17 23 46.56	22 28 39.5	11.32
16	15 18 32.77	20 16 22.5	63.77	16	17 26 28.10	22 27 31.6	13.00
17	15 21 8.13	20 22 45.1	62.38	17	17 29 9.57	22 26 13.6	14.67
18	15 23 43.78	20 28 59.4	60.95	18	17 31 50.95	22 24 45.6	16.32
19	15 26 19.72	20 35 5.1	59.53	19	17 34 32.24	22 23 7.7	17.98
20	15 28 55.95	20 41 2.3	58.10	20	17 37 13.42	22 21 19.8	19.63
21	15 31 32.46	20 46 50.9	56.65	21	17 39 54.50	22 19 22.0	21.28
22	15 34 9.24	20 52 30.8	55.18	22	17 42 35.45	22 17 14.3	22.93
23	15 36 46.30	20 58 1.9	53.72	23	17 45 16.27	22 14 56.7	24.57
24	15 39 23.62	S. 21 3 24.2		24	17 47 56.95	S. 22 12 29.3	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SATURDAY 29.</i>				<i>SUNDAY 30.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	17 47 56.95	S. 22 12 29.3	26.20	0	18 51 10.99	S. 20 26 33.4	62.58
1	17 50 37.49	22 9 52.1	27.82	1	18 53 45.71	20 20 17.9	63.95
2	17 53 17.87	22 7 5.2	29.45	2	18 56 20.10	20 13 54.2	65.30
3	17 55 58.09	22 4 8.5	31.05	3	18 58 54.16	20 7 22.4	66.65
4	17 58 38.13	22 1 2.2	32.65	4	19 1 27.90	20 0 42.5	67.97
5	18 1 18.00	21 57 46.3	34.23	5	19 4 1.30	19 53 54.7	69.27
6	18 3 57.67	21 54 20.9	35.83	6	19 6 34.35	19 46 59.1	70.58
7	18 6 37.15	21 50 45.9	37.42	7	19 9 7.07	19 39 55.6	71.88
8	18 9 16.42	21 47 1.4	38.97	8	19 11 39.43	19 32 44.5	73.12
9	18 11 55.48	21 43 7.6	40.53	9	19 14 11.44	19 25 25.8	74.37
10	18 14 34.32	21 39 4.4	42.08	10	19 16 43.10	19 17 59.6	75.62
11	18 17 12.93	21 34 51.9	43.63	11	19 19 14.39	19 10 25.9	76.82
12	18 19 51.31	21 30 30.1	45.15	12	19 21 45.32	19 2 45.0	78.02
13	18 22 29.44	21 25 59.2	46.67	13	19 24 15.88	18 54 56.9	79.22
14	18 25 7.33	21 21 19.2	48.18	14	19 26 46.07	18 47 1.6	80.38
15	18 27 44.95	21 16 30.1	49.68	15	19 29 15.89	18 38 59.3	81.53
16	18 30 22.32	21 11 32.0	51.15	16	19 31 45.33	18 30 50.1	82.68
17	18 32 59.41	21 6 25.1	52.63	17	19 34 14.39	18 22 34.0	83.80
18	18 35 36.23	21 1 9.3	54.08	18	19 36 43.07	18 14 11.2	84.92
19	18 38 12.76	20 55 44.8	55.53	19	19 39 11.37	18 5 41.7	86.00
20	18 40 49.01	20 50 11.6	56.97	20	19 41 39.29	17 57 5.7	87.08
21	18 43 24.96	20 44 29.8	58.40	21	19 44 6.82	17 48 23.2	88.13
22	18 46 0.61	20 38 39.4	59.80	22	19 46 33.96	17 39 34.4	89.18
23	18 48 35.96	20 32 40.6	61.20	23	19 49 0.71	17 30 39.3	90.22
24	18 51 10.99	S. 20 26 33.4		24	19 51 27.07	S. 17 21 38.0	

PHASES OF THE MOON.

☾ Last Quarter	d h m	7 8 29.2
● New Moon		15 12 26.0
☽ First Quarter		23 3 24.3
○ Full Moon		29 18 16.6

☾ Apogee	d h	12 16
☾ Perigee		28 2

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	99 39 37 ^o 3	N.0 69	0 0072255	16 14 8	16 8 8	59 37 4	59 15 1
2	100 36 47 5	0 78	0 0072268	16 2 1	15 55 0	58 50 6	58 24 6
3	101 33 57 9	0 86	0 0072267	15 47 7	15 40 4	57 57 9	57 30 9
4	102 31 8 4	0 90	0 0072251	15 33 1	15 26 0	57 4 3	56 38 1
5	103 28 19 3	0 91	0 0072217	15 19 3	15 13 0	56 13 4	55 50 3
6	104 25 30 6	0 89	0 0072165	15 7 2	15 2 0	55 29 1	55 10 2
7	105 22 42 2	0 85	0 0072095	14 57 5	14 53 6	54 53 5	54 39 3
8	106 19 54 3	0 77	0 0072005	14 50 4	14 47 9	54 27 5	54 18 2
9	107 17 6 9	0 67	0 0071893	14 46 0	14 44 8	54 11 5	54 7 1
10	108 14 20 1	0 56	0 0071759	14 44 3	14 44 3	54 5 2	54 5 3
11	109 11 33 8	0 43	0 0071603	14 45 0	14 46 2	54 7 6	54 12 1
12	110 8 47 9	0 30	0 0071421	14 47 9	14 50 0	54 18 2	54 26 0
13	111 6 2 5	0 17	0 0071214	14 52 5	14 55 4	54 35 1	54 45 7
14	112 3 17 6	N.0 05	0 0070981	14 58 5	15 2 0	54 57 2	55 9 9
15	113 0 33 1	S.0 06	0 0070721	15 5 6	15 9 4	55 23 3	55 37 4
16	113 57 49 1	0 14	0 0070435	15 13 4	15 17 4	55 51 9	56 6 6
17	114 55 5 5	0 20	0 0070123	15 21 5	15 25 7	56 21 8	56 37 1
18	115 52 22 2	0 23	0 0069787	15 29 8	15 34 1	56 52 3	57 7 7
19	116 49 39 2	0 23	0 0069426	15 38 2	15 42 3	57 22 8	57 37 8
20	117 46 56 6	0 19	0 0069041	15 46 3	15 50 3	57 52 7	58 7 4
21	118 44 14 3	0 14	0 0068634	15 54 3	15 58 1	58 21 9	58 36 0
22	119 41 32 3	S.0 06	0 0068204	16 1 8	16 5 4	58 49 5	59 2 7
23	120 38 50 7	N.0 05	0 0067755	16 8 7	16 11 7	59 14 7	59 25 7
24	121 36 9 5	0 18	0 0067287	16 14 3	16 16 5	59 35 3	59 43 3
25	122 33 28 7	0 31	0 0066803	16 18 0	16 19 0	59 49 1	59 52 8
26	123 30 48 4	0 44	0 0066302	16 19 4	16 19 0	59 54 0	59 52 5
27	124 28 8 6	0 56	0 0065788	16 17 7	16 15 6	59 47 9	59 40 3
28	125 25 29 5	0 68	0 0065260	16 12 8	16 9 3	59 29 9	59 17 0
29	126 22 51 2	0 78	0 0064718	16 5 0	16 0 1	59 1 3	58 43 4
30	127 20 13 8	0 85	0 0064165	15 54 7	15 49 0	58 23 5	58 2 4
31	128 17 37 3	0 90	0 0063598	15 42 8	15 36 6	57 39 8	57 17 0
32	129 15 1 8	N.0 92	0 0063020	15 30 3	15 24 2	56 54 0	56 31 5

MEAN TIME.

		THE MOON'S																		
Day of the Week.	Day of the Month.	Longitude.						Latitude.				Age.		Meridian Passage.						
		Noon.			Midnight.			Noon.		Midnight.		Noon.								
		°	'	"	°	'	"	°	'	"	°	'	"	d	h	m				
Mon.	1	296	32	49	303	42	34	N.3	33	54	5	N.4	0	54	9	15	13	43	5	
Tues.	2	310	46	48	317	45	5	3	4	23	50	7	4	42	29	8	16	14	35	8
Wed.	3	324	37	5	331	22	39	3	4	56	46	2	5	6	39	1	17	15	24	4
Thur.	4	338	1	46	344	34	34	4	5	12	12	7	5	13	35	2	18	16	10	4
Frid.	5	351	1	17	357	22	16	2	5	10	57	0	5	4	31	1	19	16	54	7
Sat.	6	3	37	56	9	48	48	9	4	54	31	4	4	41	12	8	20	17	38	3
Sun.	7	15	55	25	21	58	22	2	4	24	50	5	4	5	40	2	21	18	22	2
Mon.	8	27	58	14	33	55	41	0	3	43	57	3	3	19	56	9	22	19	6	9
Tues.	9	39	51	17	45	45	42	2	2	53	55	2	2	26	7	6	23	19	52	9
Wed.	10	51	39	29	57	33	15	1	1	56	49	9	1	26	18	6	24	20	40	5
Thur.	11	63	27	30	69	22	47	7	N.0	54	50	5	N.0	22	42	9	25	21	29	4
Frid.	12	75	19	33	81	18	14	1	S.0	9	45	8	S.0	42	16	4	26	22	19	2
Sat.	13	87	19	12	93	22	46	9	1	14	28	9	1	46	2	5	27	23	9	1
Sun.	14	99	29	14	105	38	49	5	2	16	36	1	2	45	47	2	28	23	58	5
Mon.	15	111	51	40	118	7	54	6	3	13	13	9	3	38	34	0	29		6	
Tues.	16	124	27	36	130	50	46	6	4	1	25	2	4	21	27	2	0	0	47	1
Wed.	17	137	17	25	143	47	30	3	4	38	20	2	4	51	46	2	1	1	34	6
Thur.	18	150	20	57	156	57	43	5	5	1	29	5	5	7	17	0	2	2	21	4
Frid.	19	163	37	42	170	20	50	6	5	8	58	3	5	6	26	4	3	3	8	2
Sat.	20	177	7	2	183	56	13	7	4	59	37	5	4	48	31	6	4	3	55	6
Sun.	21	190	48	20	197	43	18	5	4	33	13	0	4	13	49	6	5	4	44	6
Mon.	22	204	41	3	211	41	31	3	3	50	33	3	3	23	40	8	6	5	36	2
Tues.	23	218	44	35	225	50	8	1	2	53	32	9	2	20	34	3	7	6	30	9
Wed.	24	232	57	59	240	7	55	7	1	45	13	8	S.1	8	4	7	8	7	28	8
Thur.	25	247	19	39	254	32	48	7	S.0	29	42	2	N.0	9	14	9	9	8	29	3
Frid.	26	261	46	56	269	1	31	6	N.0	48	6	0	1	26	10	9	10	9	30	6
Sat.	27	276	15	57	283	29	35	4	2	2	48	4	2	37	20	4	11	10	31	0
Sun.	28	290	41	42	297	51	34	1	3	9	11	7	3	37	51	0	12	11	28	6
Mon.	29	304	58	29	312	1	45	7	4	2	52	3	4	23	55	7	13	12	22	8
Tues.	30	319	0	47	325	55	1	8	4	40	47	1	4	53	18	6	14	13	13	6
Wed.	31	332	44	4	339	27	35	7	5	1	28	5	5	5	19	2	15	14	1	5
Thur.	32	346	5	26	352	37	33	7	N.5	4	58	4	N.5	0	37	2	16	14	47	4

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .
<i>TUESDAY 9.</i>				<i>THURSDAY 11.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	2 25 56.25	N.17 31 41.8	73.00	0	4 4 58.78	N.21 45 36.6	30.05
1	2 27 56.71	17 38 59.8	72.22	1	4 7 5.96	21 48 36.9	29.05
2	2 29 57.30	17 46 13.1	71.45	2	4 9 13.26	21 51 31.2	28.05
3	2 31 58.03	17 53 21.8	70.65	3	4 11 20.68	21 54 19.5	27.02
4	2 33 58.91	18 0 25.7	69.85	4	4 13 28.22	21 57 1.6	26.02
5	2 35 59.92	18 7 24.8	69.07	5	4 15 35.88	21 59 37.7	24.98
6	2 38 1.07	18 14 19.2	68.27	6	4 17 43.65	22 2 7.6	23.97
7	2 40 2.37	18 21 8.8	67.45	7	4 19 51.54	22 4 31.4	22.95
8	2 42 3.80	18 27 53.5	66.63	8	4 21 59.54	22 6 49.1	21.90
9	2 44 5.38	18 34 33.3	65.82	9	4 24 7.65	22 9 0.5	20.88
10	2 46 7.10	18 41 8.2	64.98	10	4 26 15.86	22 11 5.8	19.83
11	2 48 8.96	18 47 38.1	64.17	11	4 28 24.19	22 13 4.8	18.80
12	2 50 10.97	18 54 3.1	63.33	12	4 30 32.61	22 14 57.6	17.75
13	2 52 13.12	19 0 23.1	62.48	13	4 32 41.14	22 16 44.1	16.72
14	2 54 15.42	19 6 38.0	61.66	14	4 34 49.76	22 18 24.4	15.67
15	2 56 17.87	19 12 47.9	60.78	15	4 36 58.49	22 19 58.4	14.60
16	2 58 20.45	19 18 52.6	59.93	16	4 39 7.31	22 21 26.0	13.55
17	3 0 23.19	19 24 52.2	59.08	17	4 41 16.22	22 22 47.3	12.50
18	3 2 26.07	19 30 46.7	58.22	18	4 43 25.22	22 24 2.3	11.43
19	3 4 29.10	19 36 36.0	57.33	19	4 45 34.32	22 25 10.9	10.38
20	3 6 32.27	19 42 20.0	56.47	20	4 47 43.49	22 26 13.2	9.32
21	3 8 35.58	19 47 58.8	55.58	21	4 49 52.76	22 27 9.1	8.23
22	3 10 39.05	19 53 32.3	54.72	22	4 52 2.10	22 27 58.5	7.18
23	3 12 42.66	N.19 59 0.6	53.80	23	4 54 11.53	N.22 28 41.6	6.10
<i>WEDNESDAY 10.</i>				<i>FRIDAY 12.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	3 14 46.41	N.20 4 23.4	52.92	0	4 56 21.03	N.22 29 18.2	5.03
1	3 16 50.31	20 9 40.9	52.02	1	4 58 30.61	22 29 48.4	3.95
2	3 18 54.35	20 14 53.0	51.12	2	5 0 40.26	22 30 12.1	2.88
3	3 20 58.54	20 19 59.7	50.20	3	5 2 49.97	22 30 29.4	1.80
4	3 23 2.87	20 25 0.9	49.28	4	5 4 59.76	22 30 40.2	0.72
5	3 25 7.35	20 29 56.6	48.37	5	5 7 9.61	22 30 44.5	0.37
6	3 27 11.97	20 34 46.8	47.45	6	5 9 19.52	22 30 42.3	1.45
7	3 29 16.73	20 39 31.5	46.52	7	5 11 29.49	22 30 33.6	2.53
8	3 31 21.64	20 44 10.6	45.58	8	5 13 39.52	22 30 18.4	3.62
9	3 33 26.68	20 48 44.1	44.63	9	5 15 49.60	22 29 56.7	4.70
10	3 35 31.87	20 53 11.9	43.72	10	5 17 59.73	22 29 28.5	5.80
11	3 37 37.20	20 57 34.2	42.75	11	5 20 9.91	22 28 53.7	6.88
12	3 39 42.67	21 1 50.7	41.80	12	5 22 20.14	22 28 12.4	7.98
13	3 41 48.28	21 6 1.5	40.85	13	5 24 30.41	22 27 24.5	9.07
14	3 43 54.02	21 10 6.6	39.90	14	5 26 40.73	22 26 30.1	10.15
15	3 45 59.90	21 14 6.0	38.92	15	5 28 51.08	22 25 29.2	11.25
16	3 48 5.91	21 17 59.5	37.97	16	5 31 1.46	22 24 21.7	12.35
17	3 50 12.06	21 21 47.3	36.98	17	5 33 11.88	22 23 7.6	13.43
18	3 52 18.35	21 25 29.2	36.00	18	5 35 22.33	22 21 47.0	14.53
19	3 54 24.76	21 29 5.2	35.03	19	5 37 32.80	22 20 19.8	15.62
20	3 56 31.31	21 32 35.4	34.03	20	5 39 43.30	22 18 46.1	16.73
21	3 58 37.98	21 35 59.6	33.05	21	5 41 53.82	22 17 5.7	17.80
22	4 0 44.79	21 39 17.9	32.05	22	5 44 4.36	22 15 18.9	18.92
23	4 2 51.72	21 42 30.2	31.07	23	5 46 14.91	22 13 25.4	20.00
24	4 4 58.78	N.21 45 36.6		24	5 48 25.48	N.22 11 25.4	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SATURDAY 13.</i>				<i>MONDAY 15.</i>			
	h m s	o i "	"		h m s	o i "	"
0	5 48 25.48	N.22 11 25.4	21.10	0	7 32 19.48	N.18 30 8.0	70.95
1	5 50 36.06	22 9 18.8	22.18	1	7 34 27.81	18 23 2.3	71.90
2	5 52 46.65	22 7 5.7	23.27	2	7 36 36.05	18 15 50.9	72.83
3	5 54 57.24	22 4 46.1	24.38	3	7 38 44.19	18 8 33.9	73.77
4	5 57 7.83	22 2 19.8	25.45	4	7 40 52.25	18 1 11.3	74.68
5	5 59 18.42	21 59 47.1	26.55	5	7 43 0.21	17 53 43.2	75.60
6	6 1 29.02	21 57 7.8	27.65	6	7 45 8.08	17 46 9.6	76.52
7	6 3 39.60	21 54 21.9	28.72	7	7 47 15.86	17 38 30.5	77.43
8	6 5 50.18	21 51 29.6	29.82	8	7 49 23.54	17 30 45.9	78.32
9	6 8 0.75	21 48 30.7	30.90	9	7 51 31.14	17 22 56.0	79.22
10	6 10 11.30	21 45 25.3	31.97	10	7 53 38.63	17 15 0.7	80.12
11	6 12 21.84	21 42 13.5	33.07	11	7 55 46.03	17 7 0.0	80.98
12	6 14 32.35	21 38 55.1	34.15	12	7 57 53.33	16 58 54.1	81.87
13	6 16 42.85	21 35 30.2	35.22	13	8 0 0.54	16 50 42.9	82.72
14	6 18 53.32	21 31 58.9	36.30	14	8 2 7.65	16 42 26.6	83.60
15	6 21 3.76	21 28 21.1	37.37	15	8 4 14.66	16 34 5.0	84.45
16	6 23 14.18	21 24 36.9	38.43	16	8 6 21.58	16 25 38.3	85.30
17	6 25 24.57	21 20 46.3	39.52	17	8 8 28.40	16 17 6.5	86.13
18	6 27 34.92	21 16 49.2	40.59	18	8 10 35.12	16 8 29.7	86.98
19	6 29 45.24	21 12 45.7	41.63	19	8 12 41.75	15 59 47.8	87.80
20	6 31 55.52	21 8 35.9	42.70	20	8 14 48.28	15 51 1.0	88.62
21	6 34 5.76	21 4 19.7	43.77	21	8 16 54.71	15 42 9.3	89.45
22	6 36 15.95	20 59 57.1	44.82	22	8 19 1.04	15 33 12.6	90.25
23	6 38 26.11	N.20 55 28.2	45.88	23	8 21 7.28	N.15 24 11.1	91.05
<i>SUNDAY 14.</i>				<i>TUESDAY 16.</i>			
	h m s	o i "	"		h m s	o i "	"
0	6 40 36.21	N.20 50 52.9	46.92	0	8 23 13.42	N.15 15 4.8	91.85
1	6 42 46.27	20 46 11.4	47.97	1	8 25 19.46	15 5 53.7	92.63
2	6 44 56.27	20 41 23.6	49.02	2	8 27 25.41	14 56 37.9	93.42
3	6 47 6.22	20 36 29.5	50.05	3	8 29 31.27	14 47 17.4	94.18
4	6 49 16.11	20 31 29.2	51.10	4	8 31 37.03	14 37 52.3	94.95
5	6 51 25.95	20 26 22.6	52.12	5	8 33 42.69	14 28 22.6	95.70
6	6 53 35.73	20 21 9.9	53.15	6	8 35 48.26	14 18 48.4	96.45
7	6 55 45.44	20 15 51.0	54.18	7	8 37 53.74	14 9 9.7	97.20
8	6 57 55.10	20 10 25.9	55.20	8	8 39 59.13	13 59 26.5	97.93
9	7 0 4.68	20 4 54.7	56.22	9	8 42 4.43	13 49 38.9	98.67
10	7 2 14.20	19 59 17.4	57.23	10	8 44 9.64	13 39 46.9	99.38
11	7 4 23.65	19 53 34.0	58.25	11	8 46 14.76	13 29 50.6	100.08
12	7 6 33.03	19 47 44.5	59.25	12	8 48 19.79	13 19 50.1	100.80
13	7 8 42.34	19 41 49.0	60.25	13	8 50 24.73	13 9 45.3	101.48
14	7 10 51.57	19 35 47.5	61.25	14	8 52 29.59	12 59 36.4	102.17
15	7 13 0.72	19 29 40.0	62.25	15	8 54 34.36	12 49 23.4	102.87
16	7 15 9.80	19 23 26.5	63.22	16	8 56 39.05	12 39 6.2	103.52
17	7 17 18.80	19 17 7.2	64.22	17	8 58 43.66	12 28 45.1	104.20
18	7 19 27.71	19 10 41.9	65.20	18	9 0 48.18	12 18 19.9	104.83
19	7 21 36.55	19 4 10.7	66.15	19	9 2 52.62	12 7 50.9	105.50
20	7 23 45.30	18 57 33.8	67.13	20	9 4 56.99	11 57 17.9	106.12
21	7 25 53.98	18 50 51.0	68.10	21	9 7 1.28	11 46 41.2	106.77
22	7 28 2.57	18 44 2.4	69.05	22	9 9 5.49	11 36 0.6	107.38
23	7 30 11.07	18 37 8.1	70.02	23	9 11 9.62	11 25 16.3	108.00
24	7 32 19.48	N.18 30 8.0		24	9 13 13.69	N.11 14 28.3	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>THURSDAY 25.</i>				<i>SATURDAY 27.</i>			
0	^h 16 ^m 21 ^s 42·78	S. 22° 2' 20" 4	27·03	0	^h 18 ^m 26 ^s 53·20	S. 21° 15' 56" 6	47·38
1	16 24 18·55	22 5 2·6	25·50	1	18 29 27·53	21 11 12·9	48·73
2	16 26 54·45	22 7 35·6	23·98	2	18 32 1·65	21 6 20·5	50·15
3	16 29 30·49	22 9 59·5	22·43	3	18 34 35·57	21 1 19·6	51·58
4	16 32 6·65	22 12 14·1	20·88	4	18 37 9·27	20 56 10·1	53·06
5	16 34 42·94	22 14 19·4	19·33	5	18 39 42·76	20 50 52·1	54·40
6	16 37 19·34	22 16 15·4	17·78	6	18 42 16·02	20 45 25·7	55·90
7	16 39 55·84	22 18 2·1	16·23	7	18 44 49·04	20 39 50·9	57·18
8	16 42 32·45	22 19 39·5	14·67	8	18 47 21·84	20 34 7·8	58·55
9	16 45 9·15	22 21 7·5	13·10	9	18 49 54·39	20 28 16·5	59·92
10	16 47 45·93	22 22 26·1	11·52	10	18 52 26·69	20 22 17·0	61·27
11	16 50 22·80	22 23 35·2	9·97	11	18 54 58·75	20 16 9·4	62·60
12	16 52 59·73	22 24 35·0	8·38	12	18 57 30·54	20 9 53·8	63·93
13	16 55 36·73	22 25 25·3	6·82	13	19 0 2·08	20 3 30·2	65·25
14	16 58 13·78	22 26 6·2	5·22	14	19 2 33·35	19 56 58·7	66·55
15	17 0 50·88	22 26 37·5	3·65	15	19 5 4·36	19 50 19·4	67·83
16	17 3 28·03	22 26 59·4	2·07	16	19 7 35·09	19 43 32·4	69·12
17	17 6 5·20	22 27 11·8	0·48	17	19 10 5·54	19 36 37·7	70·46
18	17 8 42·40	22 27 14·7	1·10	18	19 12 35·72	19 29 35·3	71·63
19	17 11 19·62	22 27 8·1	2·68	19	19 15 5·60	19 22 25·5	72·87
20	17 13 56·85	22 26 52·0	4·27	20	19 17 35·20	19 15 8·3	74·12
21	17 16 34·08	22 26 26·4	5·85	21	19 20 4·50	19 7 43·6	75·32
22	17 19 11·31	22 25 51·3	7·43	22	19 22 33·51	19 0 11·7	76·52
23	17 21 48·53	S. 22° 25' 6" 7	9·02	23	19 25 2·23	S. 18° 52' 32" 6	77·70
<i>FRIDAY 26.</i>				<i>SUNDAY 28.</i>			
0	17 24 25·72	S. 22° 24' 12" 6	10·60	0	19 27 30·63	S. 18° 44' 46" 4	78·88
1	17 27 2·89	22 23 9·0	12·18	1	19 29 58·73	18 36 53·1	80·09
2	17 29 40·02	22 21 55·9	13·77	2	19 32 26·53	18 28 53·0	81·18
3	17 32 17·11	22 20 33·3	15·33	3	19 34 54·01	18 20 45·9	82·32
4	17 34 54·16	22 19 1·3	16·90	4	19 37 21·18	18 12 32·0	83·42
5	17 37 31·14	22 17 19·9	18·47	5	19 39 48·04	18 4 11·5	84·52
6	17 40 8·06	22 15 29·1	20·05	6	19 42 14·57	17 55 44·4	85·62
7	17 42 44·90	22 13 28·8	21·60	7	19 44 40·79	17 47 10·7	86·66
8	17 45 21·66	22 11 19·2	23·15	8	19 47 6·69	17 38 30·6	87·75
9	17 47 58·34	22 9 0·3	24·72	9	19 49 32·26	17 29 44·1	88·78
10	17 50 34·93	22 6 32·0	26·27	10	19 51 57·51	17 20 51·4	89·82
11	17 53 11·41	22 3 54·4	27·80	11	19 54 22·43	17 11 52·5	90·83
12	17 55 47·78	22 1 7·6	29·35	12	19 56 47·01	17 2 47·5	91·83
13	17 58 24·03	21 58 11·5	30·87	13	19 59 11·27	16 53 36·5	92·82
14	18 1 0·17	21 55 6·3	32·40	14	20 1 35·20	16 44 19·6	93·77
15	18 3 36·17	21 51 51·9	33·93	15	20 3 58·80	16 34 57·0	94·75
16	18 6 12·04	21 48 28·3	35·43	16	20 6 22·06	16 25 28·5	95·67
17	18 8 47·76	21 44 55·7	36·95	17	20 8 44·99	16 15 54·5	96·60
18	18 11 23·33	21 41 14·0	38·43	18	20 11 7·59	16 6 14·9	97·50
19	18 13 58·74	21 37 23·4	39·95	19	20 13 29·85	15 56 29·9	98·42
20	18 16 33·98	21 33 23·7	41·42	20	20 15 51·77	15 46 39·4	99·27
21	18 19 9·06	21 29 15·2	42·90	21	20 18 13·36	15 36 43·8	100·15
22	18 21 43·96	21 24 57·8	44·37	22	20 20 34·61	15 26 42·9	100·93
23	18 24 18·67	21 20 31·6	45·83	23	20 22 55·52	15 16 37·0	101·83
24	18 26 53·20	S. 21° 15' 56" 6		24	20 25 16·10	S. 15° 6' 26" 0	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>MONDAY 29.</i>				<i>WEDNESDAY 31.</i>			
	^h ^m ^s	^o ['] ["]	["]		^h ^m ^s	^o ['] ["]	["]
0	20 25 16.10	S. 15 6 26.0	102.63	0	22 11 31.32	S. 5 48 55.8	124.70
1	20 27 36.34	14 56 10.2	103.45	1	22 13 37.24	5 36 27.6	124.85
2	20 29 56.25	14 45 49.5	104.23	2	22 15 42.92	5 23 58.5	124.95
3	20 32 15.81	14 35 24.1	105.00	3	22 17 48.37	5 11 28.8	125.08
4	20 34 35.05	14 24 54.1	105.75	4	22 19 53.59	4 58 58.3	125.15
5	20 36 53.95	14 14 19.6	106.50	5	22 21 58.58	4 46 27.4	125.25
6	20 39 12.51	14 3 40.6	107.23	6	22 24 3.36	4 33 55.9	125.33
7	20 41 30.74	13 52 57.2	107.93	7	22 26 7.91	4 21 23.9	125.38
8	20 43 48.64	13 42 9.6	108.63	8	22 28 12.25	4 8 51.6	125.43
9	20 46 6.21	13 31 17.8	109.32	9	22 30 16.38	3 56 19.0	125.47
10	20 48 23.44	13 20 21.9	109.97	10	22 32 20.30	3 43 46.2	125.52
11	20 50 40.35	13 9 22.1	110.63	11	22 34 24.01	3 31 13.1	125.52
12	20 52 56.93	12 58 18.3	111.27	12	22 36 27.52	3 18 40.0	125.53
13	20 55 13.18	12 47 10.7	111.88	13	22 38 30.83	3 6 6.8	125.52
14	20 57 29.11	12 35 59.4	112.48	14	22 40 33.95	2 53 33.7	125.52
15	20 59 44.71	12 24 44.5	113.03	15	22 42 36.87	2 41 0.6	125.50
16	21 1 59.99	12 13 26.0	113.65	16	22 44 39.61	2 28 27.6	125.45
17	21 4 14.94	12 2 4.1	114.22	17	22 46 42.16	2 15 54.9	125.40
18	21 6 29.58	11 50 38.8	114.77	18	22 48 44.53	2 3 22.5	125.35
19	21 8 43.91	11 39 10.2	115.28	19	22 50 46.73	1 50 50.4	125.30
20	21 10 57.91	11 27 38.5	115.82	20	22 52 48.74	1 38 18.6	125.20
21	21 13 11.60	11 16 3.6	116.32	21	22 54 50.59	1 25 47.4	125.13
22	21 15 24.98	11 4 25.7	116.80	22	22 56 52.27	1 13 16.6	125.03
23	21 17 38.06	S. 10 52 44.9	117.27	23	22 58 53.78	S. 1 0 46.4	124.92
<i>TUESDAY 30.</i>				<i>THURSDAY, AUG. 1.</i>			
0	21 19 50.81	S. 10 41 1.3	117.73	0	23 0 55.14	S. 0 48 16.9	
1	21 22 3.27	10 29 14.9	118.18				
2	21 24 15.43	10 17 25.8	118.60				
3	21 26 27.28	10 5 34.2	119.02				
4	21 28 38.83	9 53 40.1	119.43				
5	21 30 50.09	9 41 43.5	119.82				
6	21 33 1.06	9 29 44.6	120.20				
7	21 35 11.73	9 17 43.4	120.55				
8	21 37 22.12	9 5 40.1	120.92				
9	21 39 32.22	8 53 34.6	121.23				
10	21 41 42.04	8 41 27.2	121.57				
11	21 43 51.57	8 29 17.8	121.87				
12	21 46 0.83	8 17 6.6	122.17				
13	21 48 9.81	8 4 53.6	122.45				
14	21 50 18.52	7 52 38.9	122.72				
15	21 52 26.96	7 40 22.6	122.98				
16	21 54 35.14	7 28 4.7	123.22				
17	21 56 43.05	7 15 45.4	123.45				
18	21 58 50.70	7 3 24.7	123.67				
19	22 0 58.09	6 51 2.7	123.87				
20	22 3 5.23	6 38 39.5	124.07				
21	22 5 12.12	6 26 15.1	124.23				
22	22 7 18.76	6 13 49.7	124.42				
23	22 9 25.16	6 1 23.2	124.57				
24	22 11 31.32	S. 5 48 55.8					

PHASES OF THE MOON.

- ☾ Last Quarter - ^d 6 ^h 22 ^m 49.9
- New Moon - - 15 2 23.2
- ☽ First Quarter - 22 9 12.6
- Full Moon - - 29 2 33.3

- ☾ Apogee - - - - - ^d 10 ^h 5
- ☾ Perigee - - - - - 25 23

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	129 15 1 8	N. 0 92	0 0063020	15 30 3	15 24 2	56 54 0	56 31 5
2	130 12 27 4	0 90	0 0062429	15 18 1	15 12 1	56 9 3	55 48 3
3	131 9 54 2	0 86	0 0061823	15 7 1	15 2 3	55 28 9	55 11 1
4	132 7 22 2	0 79	0 0061203	14 58 0	14 51 3	54 55 4	54 41 8
5	133 4 51 5	0 69	0 0060569	14 51 3	14 48 9	54 30 7	54 22 1
6	134 2 22 2	0 57	0 0059917	14 47 3	14 46 3	54 16 0	54 12 4
7	134 59 54 2	0 45	0 0059249	14 46 0	14 46 5	54 11 5	54 13 2
8	135 57 27 7	0 32	0 0058562	14 47 6	14 49 4	54 17 3	54 23 7
9	136 55 2 6	0 19	0 0057854	14 51 8	14 54 7	54 32 5	54 43 1
10	137 52 38 9	N. 0 06	0 0057127	14 58 0	15 1 9	54 55 6	55 9 7
11	138 50 16 6	S. 0 06	0 0056378	15 6 1	15 10 6	55 25 2	55 41 8
12	139 47 55 6	0 15	0 0055607	15 15 4	15 20 2	55 59 1	56 16 8
13	140 45 36 0	0 21	0 0054815	15 25 1	15 29 9	56 34 7	56 52 6
14	141 43 17 7	0 25	0 0054000	15 34 7	15 39 2	57 10 1	57 26 7
15	142 41 0 6	0 26	0 0053164	15 43 6	15 47 6	57 42 6	57 57 6
16	143 38 44 7	0 24	0 0052306	15 51 4	15 54 8	58 11 5	58 23 8
17	144 36 30 2	0 19	0 0051428	15 57 8	16 0 4	58 34 7	58 44 5
18	145 34 16 7	0 11	0 0050530	16 2 7	16 4 6	58 52 9	58 59 7
19	146 32 4 4	S. 0 01	0 0049614	16 6 2	16 7 4	59 5 5	59 9 9
20	147 29 53 2	N. 0 11	0 0048681	16 8 2	16 8 8	59 13 1	59 15 2
21	148 27 43 2	0 24	0 0047734	16 9 1	16 9 0	59 16 3	59 16 0
22	149 25 34 4	0 37	0 0046773	16 8 6	16 7 8	59 14 5	59 11 6
23	150 23 26 8	0 49	0 0045800	16 6 7	16 5 1	59 7 4	59 1 5
24	151 21 20 5	0 61	0 0044817	16 3 1	16 0 7	58 54 3	58 45 4
25	152 19 15 5	0 71	0 0043822	15 57 8	15 54 4	58 34 8	58 22 4
26	153 17 12 0	0 79	0 0042820	15 50 6	15 46 6	58 8 6	57 53 6
27	154 15 9 9	0 85	0 0041810	15 42 2	15 37 5	57 37 5	57 20 2
28	155 13 9 2	0 87	0 0040794	15 32 6	15 27 6	57 2 4	56 43 9
29	156 11 10 2	0 86	0 0039771	15 22 5	15 17 5	56 25 3	56 6 9
30	157 9 13 0	0 82	0 0038743	15 12 6	15 7 9	55 49 0	55 31 9
31	158 7 17 6	0 75	0 0037709	15 3 5	14 59 5	55 15 7	55 0 9
32	159 5 24 1	N. 0 66	0 0036668	14 55 9	14 52 8	54 47 7	54 36 2

MEAN TIME.

THE MOON'S

Day of the Week.	Day of the Month.	Longitude.		Latitude.		Age.	Meridian				
		Noon.	Midnight.	Noon.	Midnight.	Noon.	Passage.				
		^o ⁱ ["]	^o ⁱ ["]	^o ⁱ ["]	^o ⁱ ["]	^d	^h ^m				
Thur.	1	346	5 26 '6	352	37 33 '7	N.5	4 58 '4	N.5	0 37 '2	16 '9	14 47 '4
Frid.	2	359	4 2 '2	5	25 4 '0	4	52 28 '8	4	40 49 '4	17 '9	15 32 '1
Sat.	3	11	40 57 '5	17	52 6 '6	4	25 54 '8	4	8 3 '0	18 '9	16 16 '5
Sun.	4	23	59 0 '0	30	2 10 '5	3	47 31 '6	3	24 37 '7	19 '9	17 1 '4
Mon.	5	36	2 13 '6	41	59 47 '1	2	59 39 '1	2	32 52 '2	20 '9	17 47 '2
Tues.	6	47	55 30 '5	53	50 3 '9	2	4 34 '2	1	35 1 '4	21 '9	18 34 '3
Wed.	7	59	44 7 '9	65	38 22 '3	1	4 30 '4	N.0	33 17 '5	22 '9	19 22 '6
Thur.	8	71	33 26 '6	77	29 58 '1	N.0	1 39 '9	S.0	30 4 '8	23 '9	20 11 '9
Frid.	9	83	28 32 '6	89	29 43 '2	S.1	1 38 '8	1	32 42 '9	24 '9	21 1 '7
Sat.	10	95	33 59 '3	101	41 47 '5	2	2 57 '6	2	32 2 '3	25 '9	21 51 '4
Sun.	11	107	53 29 '2	114	9 21 '4	2	59 35 '1	3	25 14 '1	26 '9	22 40 '6
Mon.	12	120	29 35 '9	126	54 18 '9	3	48 37 '5	4	9 22 '5	27 '9	23 29 '2
Tues.	13	133	23 31 '3	139	57 8 '2	4	27 7 '9	4	41 33 '1	28 '9	♄
Wed.	14	146	34 59 '7	153	16 51 '8	4	52 19 '8	4	59 12 '3	0 '4	0 17 '1
Thur.	15	160	2 25 '9	166	51 21 '1	5	1 57 '6	5	0 27 '2	1 '4	1 4 '8
Frid.	16	173	43 14 '0	180	37 40 '7	4	54 36 '5	4	44 25 '7	2 '4	1 52 '9
Sat.	17	187	34 17 '8	194	32 42 '3	4	30 0 '2	4	11 29 '1	3 '4	2 42 '2
Sun.	18	201	32 33 '6	208	33 33 '6	3	49 7 '1	3	23 12 '9	4 '4	3 33 '5
Mon.	19	215	35 26 '7	222	38 0 '3	2	54 9 '0	2	22 22 '5	5 '4	4 27 '2
Tues.	20	229	41 4 '1	236	44 29 '9	1	48 21 '8	S.1	12 39 '1	6 '4	5 23 '6
Wed.	21	243	48 10 '5	250	51 59 '4	S.0	35 48 '1	N.0	1 36 '3	7 '4	6 22 '2
Thur.	22	257	55 49 '2	264	59 31 '3	N.0	38 58 '8	1	15 43 '2	8 '4	7 21 '8
Frid.	23	272	2 54 '9	279	5 46 '4	1	51 14 '2	2	24 58 '5	9 '4	8 20 '9
Sat.	24	286	7 49 '0	293	8 42 '7	2	56 24 '0	3	25 1 '3	10 '4	9 18 '1
Sun.	25	300	8 4 '7	307	5 29 '6	3	50 25 '6	4	12 14 '5	11 '4	10 12 '4
Mon.	26	314	0 30 '9	320	52 41 '1	4	30 11 '4	4	44 3 '9	12 '4	11 3 '8
Tues.	27	327	41 33 '8	334	26 44 '2	4	53 45 '1	4	59 12 '6	13 '4	11 52 '5
Wed.	28	341	7 50 '7	347	44 35 '9	5	0 28 '9	4	57 40 '7	14 '4	12 39 '2
Thur.	29	354	16 46 '7	0	44 16 '3	4	50 58 '2	4	40 34 '7	15 '4	13 24 '7
Frid.	30	7	7 3 '1	13	25 12 '3	4	26 46 '2	4	9 49 '7	16 '4	14 9 '7
Sat.	31	19	38 54 '1	25	48 25 '3	3	50 3 '8	3	27 47 '3	17 '4	14 54 '8
Sun.	32	31	54 7 '0	37	56 25 '4	N.3	3 19 '4	N.2	36 59 '0	18 '4	15 40 '6

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 9.</i>				<i>SUNDAY 11.</i>			
	h m s	o ' "	"		h m s	o ' "	"
0	5 31 47.60	N.22 16 17.8	12.00	0	7 15 52.50	N.19 17 39.5	62.83
1	5 33 57.60	22 15 5.8	13.08	1	7 18 1.96	19 11 22.5	63.82
2	5 36 7.63	22 13 47.3	14.17	2	7 20 11.86	19 4 59.6	64.82
3	5 38 17.69	22 12 22.3	15.23	3	7 22 20.71	18 58 30.7	65.82
4	5 40 27.79	22 10 50.9	16.33	4	7 24 30.00	18 51 55.8	66.78
5	5 42 37.92	22 9 12.9	17.42	5	7 26 39.24	18 45 15.1	67.78
6	5 44 48.08	22 7 28.4	18.50	6	7 28 48.42	18 38 28.4	68.73
7	5 46 58.26	22 5 37.4	19.57	7	7 30 57.54	18 31 36.0	69.72
8	5 49 8.47	22 3 40.0	20.67	8	7 33 6.60	18 24 37.7	70.68
9	5 51 18.70	22 1 36.0	21.75	9	7 35 15.59	18 17 33.6	71.65
10	5 53 28.95	21 59 25.5	22.82	10	7 37 24.53	18 10 23.7	72.60
11	5 55 39.22	21 57 8.6	23.92	11	7 39 33.41	18 3 8.1	73.55
12	5 57 49.50	21 54 45.1	25.00	12	7 41 42.22	17 55 46.8	74.50
13	5 59 59.79	21 52 15.1	26.07	13	7 43 50.97	17 48 19.8	75.43
14	6 2 10.10	21 49 38.7	27.15	14	7 45 59.65	17 40 47.2	76.38
15	6 4 20.41	21 46 55.8	28.23	15	7 48 8.26	17 33 8.9	77.30
16	6 6 30.73	21 44 6.4	29.32	16	7 50 16.81	17 25 25.1	78.23
17	6 8 41.06	21 41 10.5	30.40	17	7 52 25.30	17 17 35.7	79.15
18	6 10 51.38	21 38 8.1	31.47	18	7 54 33.71	17 9 40.8	80.07
19	6 13 1.71	21 34 59.3	32.55	19	7 56 42.06	17 1 40.4	80.97
20	6 15 12.03	21 31 44.0	33.62	20	7 58 50.34	16 53 34.6	81.87
21	6 17 22.35	21 28 22.3	34.70	21	8 0 58.56	16 45 23.4	82.77
22	6 19 32.67	21 24 54.1	35.78	22	8 3 6.70	16 37 6.8	83.65
23	6 21 42.97	N.21 21 19.4	36.83	23	8 5 14.78	N.16 28 44.9	84.53
<i>SATURDAY 10.</i>				<i>MONDAY 12.</i>			
	h m s	o ' "	"		h m s	o ' "	"
0	6 23 53.27	N.21 17 38.4	37.92	0	8 7 22.79	N.16 20 17.7	85.42
1	6 26 3.55	21 13 50.9	38.98	1	8 9 30.73	16 11 45.2	86.28
2	6 28 13.82	21 9 57.0	40.05	2	8 11 38.60	16 3 7.5	87.13
3	6 30 24.08	21 5 56.7	41.10	3	8 13 46.40	15 54 24.7	88.00
4	6 32 34.32	21 1 50.1	42.18	4	8 15 54.13	15 45 36.7	88.87
5	6 34 44.53	20 57 37.0	43.23	5	8 18 1.79	15 36 43.5	89.68
6	6 36 54.73	20 53 17.6	44.28	6	8 20 9.38	15 27 45.4	90.55
7	6 39 4.90	20 48 51.9	45.35	7	8 22 16.90	15 18 42.1	91.37
8	6 41 15.04	20 44 19.8	46.40	8	8 24 24.35	15 9 33.9	92.18
9	6 43 25.16	20 39 41.4	47.45	9	8 26 31.74	15 0 20.8	93.02
10	6 45 35.25	20 34 56.7	48.50	10	8 28 39.05	14 51 2.7	93.82
11	6 47 45.31	20 30 5.7	49.53	11	8 30 46.30	14 41 39.8	94.62
12	6 49 55.34	20 25 8.5	50.58	12	8 32 53.48	14 32 12.1	95.42
13	6 52 5.33	20 20 5.0	51.62	13	8 35 0.59	14 22 39.6	96.22
14	6 54 15.29	20 14 55.3	52.65	14	8 37 7.64	14 13 2.3	96.98
15	6 56 25.20	20 9 39.4	53.70	15	8 39 14.62	14 3 20.4	97.77
16	6 58 35.08	20 4 17.2	54.72	16	8 41 21.53	13 53 33.8	98.53
17	7 0 44.92	19 58 48.9	55.75	17	8 43 28.38	13 43 42.6	99.28
18	7 2 54.71	19 53 14.4	56.77	18	8 45 35.16	13 33 46.9	100.03
19	7 5 4.46	19 47 33.8	57.78	19	8 47 41.88	13 23 46.7	100.78
20	7 7 14.17	19 41 47.1	58.80	20	8 49 48.54	13 13 42.0	101.52
21	7 9 23.83	19 35 54.3	59.82	21	8 51 55.14	13 3 32.9	102.25
22	7 11 33.44	19 29 55.4	60.82	22	8 54 1.67	12 53 19.4	102.97
23	7 13 43.00	19 23 50.5	61.83	23	8 56 8.14	12 43 1.6	103.67
24	7 15 52.50	N.19 17 39.5		24	8 58 14.55	N.12 32 39.6	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
TUESDAY 13.				THURSDAY 15.			
	h m s	° ' "	"		h m s	° ' "	"
0	8 58 14.55	N. 12 32 39.6	104.88	0	10 38 41.49	N. 3 8 48.1	127.82
1	9 0 20.90	12 22 13.3	105.07	1	10 40 47.01	2 56 4.2	127.85
2	9 2 27.20	12 11 42.9	105.75	2	10 42 52.56	2 43 18.9	127.77
3	9 4 33.44	12 1 8.4	106.45	3	10 44 58.16	2 30 32.3	127.98
4	9 6 39.62	11 50 29.7	107.10	4	10 47 3.80	2 17 44.4	128.17
5	9 8 45.76	11 39 47.1	107.77	5	10 49 9.48	2 4 55.4	128.37
6	9 10 51.83	11 29 0.5	108.42	6	10 51 15.22	1 52 5.2	128.52
7	9 12 57.86	11 18 10.0	109.07	7	10 53 21.00	1 39 14.1	128.70
8	9 15 3.84	11 7 15.6	109.70	8	10 55 26.84	1 26 21.9	128.83
9	9 17 9.76	10 56 17.4	110.33	9	10 57 32.74	1 13 28.9	128.98
10	9 19 15.64	10 45 15.4	110.95	10	10 59 38.70	1 0 35.0	129.12
11	9 21 21.47	10 34 9.7	111.55	11	11 1 44.72	0 47 40.3	129.23
12	9 23 27.26	10 23 0.4	112.15	12	11 3 50.81	0 34 44.9	129.33
13	9 25 33.00	10 11 47.5	112.75	13	11 5 56.97	0 21 48.9	129.43
14	9 27 38.71	10 0 31.0	113.33	14	11 8 3.20	N. 0 8 52.3	129.50
15	9 29 44.37	9 49 11.0	113.90	15	11 10 9.50	S. 0 4 4.7	129.58
16	9 31 49.99	9 37 47.6	114.47	16	11 12 15.88	0 17 2.2	129.63
17	9 33 55.58	9 26 20.8	115.02	17	11 14 22.34	0 30 0.0	129.70
18	9 36 1.14	9 14 50.7	115.57	18	11 16 28.89	0 42 58.2	129.72
19	9 38 6.65	9 3 17.3	116.12	19	11 18 35.52	0 55 56.5	129.75
20	9 40 12.14	8 51 40.6	116.62	20	11 20 42.24	1 8 55.0	129.75
21	9 42 17.60	8 40 0.9	117.15	21	11 22 49.05	1 21 53.5	129.77
22	9 44 23.03	8 28 18.0	117.67	22	11 24 55.96	1 34 52.1	129.73
23	9 46 28.43	N. 8 16 32.0	118.15	23	11 27 2.97	S. 1 47 50.5	129.73
WEDNESDAY 14.				FRIDAY 16.			
0	9 48 33.81	N. 8 4 43.1	118.65	0	11 29 10.07	S. 2 0 48.9	129.68
1	9 50 39.17	7 52 51.2	119.12	1	11 31 17.28	2 13 47.0	129.65
2	9 52 44.51	7 40 56.5	119.60	2	11 33 24.60	2 26 44.9	129.58
3	9 54 49.83	7 28 58.9	120.05	3	11 35 32.03	2 39 42.4	129.50
4	9 56 55.14	7 16 58.6	120.50	4	11 37 39.57	2 52 39.4	129.43
5	9 59 0.43	7 4 55.6	120.93	5	11 39 47.23	3 5 36.0	129.33
6	10 1 5.71	6 52 50.0	121.37	6	11 41 55.00	3 18 32.0	129.22
7	10 3 10.99	6 40 41.8	121.80	7	11 44 2.90	3 31 27.3	129.12
8	10 5 16.25	6 28 31.0	122.18	8	11 46 10.93	3 44 22.0	128.97
9	10 7 21.51	6 16 17.9	122.60	9	11 48 19.08	3 57 15.8	128.83
10	10 9 26.77	6 4 2.3	122.98	10	11 50 27.36	4 10 8.8	128.68
11	10 11 32.03	5 51 44.4	123.37	11	11 52 35.78	4 23 0.9	128.50
12	10 13 37.29	5 39 24.2	123.73	12	11 54 44.34	4 35 51.9	128.33
13	10 15 42.56	5 27 1.8	124.08	13	11 56 53.04	4 48 41.9	128.13
14	10 17 47.83	5 14 37.3	124.43	14	11 59 1.88	5 1 30.7	127.93
15	10 19 53.11	5 2 10.7	124.77	15	12 1 10.86	5 14 18.3	127.70
16	10 21 58.40	4 49 42.1	125.10	16	12 3 20.00	5 27 4.5	127.48
17	10 24 3.71	4 37 11.5	125.40	17	12 5 29.28	5 39 49.4	127.25
18	10 26 9.04	4 24 39.1	125.72	18	12 7 38.73	5 52 32.9	126.97
19	10 28 14.38	4 12 4.8	126.02	19	12 9 48.32	6 5 14.7	126.72
20	10 30 19.75	3 59 28.7	126.28	20	12 11 58.08	6 17 55.0	126.43
21	10 32 25.14	3 46 51.0	126.57	21	12 14 8.01	6 30 33.6	126.13
22	10 34 30.56	3 34 11.6	126.83	22	12 16 18.09	6 43 10.4	125.83
23	10 36 36.01	3 21 30.6	127.08	23	12 18 28.35	6 55 45.4	125.52
24	10 38 41.49	N. 3 8 48.1		24	12 20 38.78	S. 7 8 18.5	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 25.</i>				<i>TUESDAY 27.</i>			
0	h m s 20 5 53·69	S. 16 23 1·9	92·22	0	h m s 21 52 43·99	S. 7 40 59·5	120·33
1	20 8 13·72	16 13 48·6	93·13	1	21 54 51·34	7 28 54·5	121·12
2	20 10 33·46	16 4 29·8	94·03	2	21 56 58·47	7 16 47·8	121·38
3	20 12 52·92	15 55 5·6	94·90	3	21 59 5·38	7 4 39·5	121·63
4	20 15 12·09	15 45 36·2	95·78	4	22 1 12·08	6 52 29·7	121·88
5	20 17 30·97	15 36 1·5	96·62	5	22 3 18·57	6 40 18·4	122·12
6	20 19 49·57	15 26 21·8	97·47	6	22 5 24·85	6 28 5·7	122·32
7	20 22 7·89	15 16 37·0	98·30	7	22 7 30·93	6 15 51·8	122·55
8	20 24 25·91	15 6 47·2	99·12	8	22 9 36·81	6 3 36·5	122·73
9	20 26 43·66	14 56 52·5	99·90	9	22 11 42·48	5 51 20·1	122·92
10	20 29 1·11	14 46 53·1	100·70	10	22 13 47·96	5 39 2·6	123·08
11	20 31 18·28	14 36 48·9	101·48	11	22 15 53·25	5 26 44·1	123·25
12	20 33 35·17	14 26 40·0	102·23	12	22 17 58·34	5 14 24·6	123·40
13	20 35 51·78	14 16 26·6	102·98	13	22 20 3·24	5 2 4·2	123·53
14	20 38 8·10	14 6 8·7	103·73	14	22 22 7·96	4 49 43·0	123·67
15	20 40 24·14	13 55 46·3	104·43	15	22 24 12·50	4 37 21·0	123·77
16	20 42 39·90	13 45 19·7	105·15	16	22 26 16·86	4 24 58·4	123·88
17	20 44 55·38	13 34 48·8	105·85	17	22 28 21·03	4 12 35·1	123·97
18	20 47 10·58	13 24 13·7	106·52	18	22 30 25·04	4 0 11·3	124·05
19	20 49 25·50	13 13 34·6	107·20	19	22 32 28·87	3 47 47·0	124·13
20	20 51 40·15	13 2 51·4	107·83	20	22 34 32·54	3 35 22·3	124·18
21	20 53 54·52	12 52 4·4	108·30	21	22 36 36·04	3 22 57·2	124·23
22	20 56 8·61	12 41 13·4	109·10	22	22 38 39·37	3 10 31·8	124·27
23	20 58 22·43	S. 12 30 18·8	109·73	23	22 40 42·55	S. 2 58 6·2	124·28
<i>MONDAY 26.</i>				<i>WEDNESDAY 28.</i>			
0	21 0 35·97	S. 12 19 20·4	110·33	0	22 42 45·57	S. 2 45 40·5	124·30
1	21 2 49·25	12 8 18·4	110·90	1	22 44 48·44	2 33 14·7	124·32
2	21 5 2·25	11 57 13·0	111·50	2	22 46 51·16	2 20 48·8	124·30
3	21 7 14·99	11 46 4·0	112·05	3	22 48 53·72	2 8 23·0	124·30
4	21 9 27·47	11 34 51·7	112·58	4	22 50 56·15	1 55 57·2	124·25
5	21 11 39·67	11 23 36·2	113·13	5	22 52 58·43	1 43 31·7	124·23
6	21 13 51·62	11 12 17·4	113·65	6	22 55 0·57	1 31 6·3	124·17
7	21 16 3·30	11 0 55·5	114·17	7	22 57 2·57	1 18 41·3	124·12
8	21 18 14·73	10 49 30·5	114·65	8	22 59 4·44	1 6 16·6	124·05
9	21 20 25·90	10 38 2·6	115·15	9	23 1 6·19	0 53 52·3	123·98
10	21 22 36·81	10 26 31·7	115·60	10	23 3 7·80	0 41 28·4	123·88
11	21 24 47·47	10 14 58·1	116·07	11	23 5 9·29	0 29 5·1	123·78
12	21 26 57·87	10 3 21·7	116·50	12	23 7 10·65	0 16 42·4	123·68
13	21 29 8·03	9 51 42·7	116·95	13	23 9 11·90	S. 0 4 20·3	123·55
14	21 31 17·94	9 40 1·0	117·35	14	23 11 13·03	N. 0 8 1·0	123·43
15	21 33 27·61	9 28 16·9	117·77	15	23 13 14·05	0 20 21·6	123·30
16	21 35 37·04	9 16 30·3	118·15	16	23 15 14·97	0 32 41·4	123·13
17	21 37 46·23	9 4 41·4	118·53	17	23 17 15·77	0 45 0·2	123·00
18	21 39 55·18	8 52 50·2	118·90	18	23 19 16·47	0 57 18·2	122·82
19	21 42 3·89	8 40 56·8	119·25	19	23 21 17·07	1 9 35·1	122·66
20	21 44 12·37	8 29 1·3	119·60	20	23 23 17·58	1 21 51·0	122·47
21	21 46 20·62	8 17 3·7	119·92	21	23 25 17·98	1 34 5·8	122·27
22	21 48 28·63	8 5 4·2	120·23	22	23 27 18·30	1 46 19·4	122·07
23	21 50 36·43	7 53 2·8	120·55	23	23 29 18·53	1 58 31·8	121·85
24	21 52 43·99	S. 7 40 59·5		24	23 31 18·67	N. 2 10 42·9	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
THURSDAY 29.				SATURDAY 31.			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	23 31 18.67	N. 2 10 42.9	121.63	0	1 6 37.66	N. 11 14 20.4	101.57
1	23 33 18.73	2 22 52.7	121.40	1	1 8 36.84	11 24 29.8	100.98
2	23 35 18.71	2 35 1.1	121.17	2	1 10 36.06	11 34 35.7	100.37
3	23 37 18.61	2 47 8.1	120.92	3	1 12 35.32	11 44 37.9	99.78
4	23 39 18.44	2 59 13.6	120.65	4	1 14 34.63	11 54 36.6	99.15
5	23 41 18.19	3 11 17.5	120.38	5	1 16 33.98	12 4 31.5	98.55
6	23 43 17.88	3 23 19.8	120.13	6	1 18 33.38	12 14 22.8	97.93
7	23 45 17.49	3 35 20.6	119.83	7	1 20 32.82	12 24 10.4	97.28
8	23 47 17.05	3 47 19.6	119.53	8	1 22 32.31	12 33 54.1	96.67
9	23 49 16.54	3 59 16.8	119.25	9	1 24 31.86	12 43 34.1	96.02
10	23 51 15.98	4 11 12.3	118.93	10	1 26 31.46	12 53 10.2	95.38
11	23 53 15.36	4 23 5.9	118.62	11	1 28 31.11	13 2 42.5	94.72
12	23 55 14.69	4 34 57.6	118.30	12	1 30 30.82	13 12 10.8	94.07
13	23 57 13.97	4 46 47.4	117.95	13	1 32 30.59	13 21 35.2	93.40
14	23 59 13.20	4 58 35.1	117.62	14	1 34 30.43	13 30 55.6	92.72
15	0 1 12.39	5 10 20.8	117.28	15	1 36 30.32	13 40 11.9	92.05
16	0 3 11.53	5 22 4.5	116.90	16	1 38 30.28	13 49 24.2	91.38
17	0 5 10.64	5 33 45.9	116.55	17	1 40 30.30	13 58 32.5	90.68
18	0 7 9.71	5 45 25.2	116.17	18	1 42 30.40	14 7 36.6	90.00
19	0 9 8.75	5 57 2.2	115.80	19	1 44 30.55	14 16 36.6	89.28
20	0 11 7.75	6 8 37.0	115.40	20	1 46 30.78	14 25 32.3	88.60
21	0 13 6.73	6 20 9.4	115.00	21	1 48 31.08	14 34 23.9	87.88
22	0 15 5.69	6 31 39.4	114.60	22	1 50 31.45	14 43 11.2	87.17
23	0 17 4.62	N. 6 43 7.0	114.20	23	1 52 31.90	N. 14 51 54.2	86.45
FRIDAY 30.				SUNDAY, SEPT. 1.			
0	0 19 3.53	N. 6 54 32.2	113.77	0	1 54 32.42	N. 15 0 32.9	
1	0 21 2.43	7 5 54.8	113.35				
2	0 23 1.31	7 17 14.9	112.90				
3	0 25 0.17	7 28 32.3	112.47				
4	0 26 59.03	7 39 47.1	112.02				
5	0 28 57.88	7 50 59.2	111.55				
6	0 30 56.73	8 2 8.5	111.10				
7	0 32 55.57	8 13 15.1	110.62				
8	0 34 54.41	8 24 18.8	110.15				
9	0 36 53.25	8 35 19.7	109.67				
10	0 38 52.10	8 46 17.7	109.17				
11	0 40 50.95	8 57 12.7	108.67				
12	0 42 49.81	9 8 4.7	108.17				
13	0 44 48.68	9 18 53.7	107.65				
14	0 46 47.57	9 29 39.6	107.13				
15	0 48 46.47	9 40 22.4	106.60				
16	0 50 45.40	9 51 2.0	106.07				
17	0 52 44.34	10 1 38.4	105.53				
18	0 54 43.30	10 12 11.6	104.98				
19	0 56 42.29	10 22 41.5	104.42				
20	0 58 41.30	10 33 8.0	103.88				
21	1 0 40.35	10 43 31.3	103.30				
22	1 2 39.42	10 53 51.1	102.73				
23	1 4 38.52	11 4 7.5	102.15				
24	1 6 37.66	N. 11 14 20.4					

PHASES OF THE MOON.

- ☾ Last Quarter - - 5 15 26.3
 - New Moon - - - 13 14 31.5
 - ☽ First Quarter - - 20 14 15.5
 - Full Moon - - - 27 12 33.5
-
- ☾ Apogee - - - - - 6 22
 - ☾ Perigee - - - - - 21 3

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	159° 5' 24".1	N. 0° 66'	0.0036668	14° 55' 9"	14° 52' 8"	54° 47' 7"	54° 36' 2"
2	160 3 32.5	0 55	0.0035621	14 50.2	14 48.2	54 26.9	54 19.6
3	161 1 42.8	0 43	0.0034566	14 46.9	14 46.2	54 14.6	54 12.2
4	161 59 55.1	0 29	0.0033502	14 46.3	14 47.0	54 12.4	54 15.1
5	162 58 9.5	0 15	0.0032428	14 48.5	14 50.6	54 20.4	54 28.4
6	163 56 26.0	N. 0° 01'	0.0031342	14 53.5	14 57.0	54 38.8	54 51.6
7	164 54 44.6	S. 0° 09'	0.0030245	15 1.1	15 5.8	55 6.8	55 23.9
8	165 53 5.1	0 19	0.0029136	15 10.9	15 16.5	55 42.8	56 3.3
9	166 51 27.8	0 26	0.0028014	15 22.4	15 28.5	56 24.9	56 47.2
10	167 49 52.5	0 30	0.0026879	15 34.6	15 40.7	57 9.7	57 32.3
11	168 48 19.1	0 32	0.0025729	15 46.7	15 52.4	57 54.1	58 15.0
12	169 46 47.7	0 31	0.0024566	15 57.6	16 2.4	58 34.3	58 51.7
13	170 45 18.2	0 26	0.0023389	16 6.6	16 10.1	59 7.1	59 19.9
14	171 43 50.4	0 19	0.0022198	16 12.9	16 14.9	59 30.2	59 37.7
15	172 42 24.5	S. 0° 09'	0.0020995	16 16.2	16 16.8	59 42.5	59 44.7
16	173 41 0.3	N. 0° 02'	0.0019780	16 16.7	16 16.0	59 44.3	59 41.5
17	174 39 37.9	0 15	0.0018556	16 14.7	16 12.9	59 36.8	59 30.3
18	175 38 17.2	0 29	0.0017322	16 10.7	16 8.2	59 22.1	59 12.9
19	176 36 58.1	0 41	0.0016082	16 5.4	16 2.3	59 2.6	58 51.3
20	177 35 40.7	0 53	0.0014836	15 59.0	15 55.6	58 39.2	58 26.8
21	178 34 24.9	0 63	0.0013585	15 52.0	15 48.3	58 13.7	58 0.1
22	179 33 10.8	0 71	0.0012333	15 44.5	15 40.6	57 46.2	57 31.8
23	180 31 58.6	0 77	0.0011080	15 36.7	15 32.6	57 17.3	57 2.4
24	181 30 48.2	0 79	0.0009827	15 28.5	15 24.3	56 47.2	56 32.1
25	182 29 39.7	0 79	0.0008575	15 20.2	15 16.1	56 16.8	56 1.7
26	183 28 33.0	0 76	0.0007326	15 12.0	15 8.0	55 46.9	55 32.3
27	184 27 28.3	0 70	0.0006079	15 4.2	15 0.6	55 18.2	55 5.1
28	185 26 25.6	0 61	0.0004836	14 57.3	14 54.2	54 52.7	54 41.3
29	186 25 25.1	0 50	0.0003597	14 51.4	14 49.1	54 31.3	54 22.8
30	187 24 26.8	0 37	0.0002361	14 47.2	14 45.8	54 15.8	54 10.6
31	188 23 30.7	N. 0° 23'	0.0001129	14 44.9	14 44.6	54 7.4	54 6.4

MEAN TIME.

THE MOON'S

Day of the Week.	Day of the Month.	Longitude.		Latitude.		Age.	Meridian
		Noon.	Midnight.	Noon.	Midnight.	Noon.	Passage.
		^o ['] ["]	^o ['] ["]	^o ['] ["]	^o ['] ["]	^d	^h ^m
Sun.	1	31 54 7.0	37 56 25.4	N.3 3 19.4	N.2 36 59.0	18.4	15 40.6
Mon.	2	43 55 51.0	49 52 57.6	2 9 4.7	1 39 54.9	19.4	16 27.4
Tues.	3	55 48 20.9	61 42 40.2	1 9 46.7	N.0 38 58.0	20.4	17 15.2
Wed.	4	67 36 35.6	73 30 48.3	N.0 7 45.3	S.0 23 34.1	21.4	18 3.8
Thur.	5	79 25 59.9	85 22 51.7	S.0 54 43.4	1 25 25.3	22.4	18 53.0
Frid.	6	91 22 4.4	97 24 16.6	1 55 21.9	2 24 14.8	23.4	19 42.3
Sat.	7	103 30 5.5	109 40 4.3	2 51 44.8	3 17 32.2	24.4	20 31.3
Sun.	8	115 54 42.7	122 14 25.2	3 41 15.9	4 2 34.8	25.4	21 19.9
Mon.	9	128 39 30.6	135 10 11.1	4 21 7.4	4 36 32.5	26.4	22 8.2
Tues.	10	141 46 31.3	148 28 28.4	4 48 29.2	4 56 38.7	27.4	22 56.5
Wed.	11	155 15 51.3	162 8 20.9	5 0 44.0	5 0 32.4	28.4	23 45.3
Thur.	12	169 5 30.9	176 6 48.3	4 55 54.3	4 46 45.9	29.4	♄
Frid.	13	183 11 35.3	190 19 10.6	4 33 8.7	4 15 10.2	0.9	0 35.4
Sat.	14	197 28 51.1	204 39 53.5	3 53 4.6	3 27 11.5	1.9	1 27.3
Sun.	15	211 51 37.1	219 3 23.9	2 57 55.8	2 25 47.3	2.9	2 21.6
Mon.	16	226 14 40.9	233 24 59.7	1 51 19.1	1 15 7.4	3.9	3 18.4
Tues.	17	240 33 58.0	247 41 18.2	S.0 37 49.1	S.0 0 2.2	4.9	4 17.2
Wed.	18	254 46 48.0	261 50 18.5	N.0 37 36.1	N.1 14 29.7	5.9	5 16.8
Thur.	19	268 51 44.3	275 51 1.6	1 50 4.6	2 23 48.9	6.9	6 15.8
Frid.	20	282 48 8.0	289 43 0.9	2 55 13.2	3 23 51.8	7.9	7 12.8
Sat.	21	296 35 37.6	303 25 54.0	3 49 22.0	4 11 24.5	8.9	8 6.9
Sun.	22	310 13 45.2	316 59 4.1	4 29 44.3	4 44 9.6	9.9	8 58.1
Mon.	23	323 41 42.9	330 21 31.9	4 54 32.5	5 0 49.6	10.9	9 46.7
Tues.	24	336 58 21.8	343 32 2.4	5 3 1.1	5 1 10.1	11.9	10 33.3
Wed.	25	350 2 24.2	356 29 18.9	4 55 24.3	4 45 53.7	12.9	11 18.7
Thur.	26	2 52 40.4	9 12 24.9	4 32 51.5	4 16 32.7	13.9	12 3.6
Frid.	27	15 28 32.1	21 41 4.4	3 57 14.6	3 35 16.1	14.9	12 48.7
Sat.	28	27 50 9.2	33 55 57.4	3 10 55.9	2 44 34.3	15.9	13 34.4
Sun.	29	39 58 43.7	45 58 47.5	2 16 31.2	1 47 6.5	16.9	14 21.0
Mon.	30	51 56.31.4	57 52 22.2	1 16 39.7	N.0 45 29.9	17.9	15 8.5
Tues.	31	63 46 49.5	69 40 25.7	N.0 13 55.6	S.0 17 45.3	18.9	15 56.7

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>MONDAY 9.</i>				<i>WEDNESDAY 11.</i>			
	<i>h m s</i>	<i>° ' "</i>	<i>"</i>		<i>h m s</i>	<i>° ' "</i>	<i>"</i>
0	8 39 40·25	N.13 54 26·4	96·68	0	10 20 59·31	N.4 55 17·3	125·25
1	8 41 47·11	13 44 46·3	97·47	1	10 23 6·43	4 42 45·8	125·60
2	8 43 53·94	13 35 1·5	98·25	2	10 25 13·60	4 30 12·2	125·97
3	8 46 0·74	13 25 12·0	99·02	3	10 27 20·84	4 17 36·4	126·30
4	8 48 7·51	13 15 17·9	99·77	4	10 29 28·13	4 4 58·6	126·65
5	8 50 14·26	13 5 19·3	100·53	5	10 31 35·48	3 52 18·7	126·95
6	8 52 20·98	12 55 16·1	101·28	6	10 33 42·90	3 39 37·0	127·28
7	8 54 27·67	12 45 8·4	102·02	7	10 35 50·38	3 26 53·3	127·57
8	8 56 34·34	12 34 56·3	102·75	8	10 37 57·93	3 14 7·9	127·87
9	8 58 40·99	12 24 39·8	103·48	9	10 40 5·56	3 1 20·7	128·13
10	9 0 47·62	12 14 18·9	104·20	10	10 42 13·26	2 48 31·9	128·40
11	9 2 54·22	12 3 53·7	104·92	11	10 44 21·03	2 35 41·5	128·65
12	9 5 0·81	11 53 24·2	105·62	12	10 46 28·89	2 22 49·6	128·90
13	9 7 7·38	11 42 50·5	106·32	13	10 48 36·83	2 9 56·2	129·12
14	9 9 13·93	11 32 12·6	107·00	14	10 50 44·85	1 57 1·5	129·33
15	9 11 20·47	11 21 30·6	107·68	15	10 52 52·97	1 44 5·5	129·55
16	9 13 27·00	11 10 44·5	108·35	16	10 55 1·17	1 31 8·2	129·75
17	9 15 33·51	10 59 54·4	109·02	17	10 57 9·46	1 18 9·7	129·92
18	9 17 40·01	10 49 0·3	109·68	18	10 59 17·85	1 5 10·2	130·10
19	9 19 46·51	10 38 2·2	110·33	19	11 1 26·34	0 52 9·6	130·25
20	9 21 53·00	10 27 0·2	110·97	20	11 3 34·93	0 39 8·1	130·40
21	9 23 59·48	10 15 54·4	111·60	21	11 5 43·63	0 26 5·7	130·52
22	9 26 5·96	10 4 44·8	112·22	22	11 7 52·43	N.0 13 2·6	130·65
23	9 28 12·44	N. 9 53 31·5	112·85	23	11 10 1·33	S.0 0 1·3	130·77
<i>TUESDAY 10.</i>				<i>THURSDAY 12.</i>			
0	9 30 18·92	N. 9 42 14·4	113·45	0	11 12 10·35	S.0 13 5·9	130·85
1	9 32 25·40	9 30 53·7	114·03	1	11 14 19·48	0 26 11·0	130·95
2	9 34 31·88	9 19 29·4	114·65	2	11 16 28·73	0 39 16·7	131·00
3	9 36 38·37	9 8 1·5	115·22	3	11 18 38·10	0 52 22·7	131·07
4	9 38 44·86	8 56 30·2	115·80	4	11 20 47·60	1 5 29·1	131·12
5	9 40 51·36	8 44 55·4	116·35	5	11 22 57·21	1 18 35·8	131·15
6	9 42 57·87	8 33 17·3	116·92	6	11 25 6·96	1 31 42·6	131·17
7	9 45 4·40	8 21 35·8	117·45	7	11 27 16·83	1 44 49·6	131·17
8	9 47 10·94	8 9 51·1	118·00	8	11 29 26·84	1 57 56·6	131·15
9	9 49 17·50	7 58 3·1	118·52	9	11 31 36·98	2 11 3·5	131·13
10	9 51 24·07	7 46 12·0	119·03	10	11 33 47·26	2 24 10·3	131·12
11	9 53 30·67	7 34 17·8	119·55	11	11 35 57·69	2 37 17·0	131·05
12	9 55 37·29	7 22 20·5	120·03	12	11 38 8·25	2 50 23·3	131·00
13	9 57 43·94	7 10 20·3	120·53	13	11 40 18·96	3 3 29·3	130·92
14	9 59 50·61	6 58 17·1	121·02	14	11 42 29·82	3 16 34·8	130·83
15	10 1 57·31	6 46 11·0	121·47	15	11 44 40·83	3 29 39·8	130·73
16	10 4 4·04	6 34 2·2	121·93	16	11 46 51·99	3 42 44·2	130·60
17	10 6 10·81	6 21 50·6	122·40	17	11 49 3·32	3 55 47·8	130·50
18	10 8 17·62	6 9 36·2	122·82	18	11 51 14·80	4 8 50·8	130·33
19	10 10 24·46	5 57 19·3	123·25	19	11 53 26·44	4 21 52·8	130·18
20	10 12 31·34	5 44 59·8	123·67	20	11 55 38·25	4 34 53·9	130·02
21	10 14 38·26	5 32 37·8	124·08	21	11 57 50·22	4 47 54·0	129·82
22	10 16 45·23	5 20 13·3	124·48	22	12 0 2·37	5 0 52·9	129·63
23	10 18 52·25	5 7 46·4	124·85	23	12 2 14·68	5 13 50·7	129·42
24	10 20 59·31	N. 4 55 17·3		24	12 4 27·17	S.5 26 47·2	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 13.</i>				<i>SUNDAY 15.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	12 4 27.17	S. 5 26 47.2	129.18	0	13 54 30.55	S. 14 54 37.5	101.25
1	12 6 39.84	5 39 42.3	128.95	1	13 56 53.75	15 4 45.0	100.32
2	12 8 52.68	5 52 36.0	128.68	2	13 59 17.19	15 14 46.9	99.37
3	12 11 5.71	6 5 28.1	128.42	3	14 1 40.86	15 24 43.1	98.42
4	12 13 18.92	6 18 18.6	128.15	4	14 4 4.77	15 34 33.6	97.43
5	12 15 32.32	6 31 7.5	127.83	5	14 6 28.92	15 44 18.2	96.45
6	12 17 45.90	6 43 54.5	127.52	6	14 8 53.30	15 53 56.9	95.45
7	12 19 59.68	6 56 39.6	127.20	7	14 11 17.92	16 3 29.6	94.43
8	12 22 13.65	7 9 22.8	126.87	8	14 13 42.77	16 12 56.2	93.40
9	12 24 27.81	7 22 4.0	126.50	9	14 16 7.85	16 22 16.6	92.37
10	12 26 42.17	7 34 43.0	126.12	10	14 18 33.16	16 31 30.8	91.32
11	12 28 56.73	7 47 19.7	125.75	11	14 20 58.70	16 40 38.7	90.25
12	12 31 11.49	7 59 54.2	125.35	12	14 23 24.47	16 49 40.2	89.17
13	12 33 26.46	8 12 26.3	124.93	13	14 25 50.47	16 58 35.2	88.08
14	12 35 41.63	8 24 55.9	124.50	14	14 28 16.69	17 7 23.7	86.98
15	12 37 57.00	8 37 22.9	124.07	15	14 30 43.13	17 16 5.6	85.87
16	12 40 12.59	8 49 47.3	123.62	16	14 33 9.80	17 24 40.8	84.73
17	12 42 28.39	9 2 9.0	123.12	17	14 35 36.68	17 33 9.2	83.60
18	12 44 44.40	9 14 27.7	122.65	18	14 38 3.79	17 41 30.8	82.45
19	12 47 0.62	9 26 43.6	122.15	19	14 40 31.10	17 49 45.5	81.28
20	12 49 17.07	9 38 56.5	121.63	20	14 42 58.63	17 57 53.2	80.12
21	12 51 33.73	9 51 6.3	121.08	21	14 45 26.37	18 5 53.9	78.93
22	12 53 50.61	10 3 12.8	120.55	22	14 47 54.32	18 13 47.4	77.72
23	12 56 7.71	S. 10 15 16.1	120.00	23	14 50 22.47	S. 18 21 33.8	76.53
<i>SATURDAY 14.</i>				<i>MONDAY 16.</i>			
0	12 58 25.04	S. 10 27 16.1	119.42	0	14 52 50.83	S. 18 29 13.0	75.30
1	13 0 42.59	10 39 12.6	118.82	1	14 55 19.39	18 36 44.8	74.08
2	13 3 0.36	10 51 5.5	118.23	2	14 57 48.14	18 44 9.3	72.83
3	13 5 18.36	11 2 54.9	117.60	3	15 0 17.08	18 51 26.3	71.60
4	13 7 36.59	11 14 40.5	116.97	4	15 2 46.22	18 58 35.9	70.33
5	13 9 55.05	11 26 22.3	116.32	5	15 5 15.54	19 5 37.9	69.05
6	13 12 13.74	11 38 0.2	115.65	6	15 7 45.05	19 12 32.2	67.78
7	13 14 32.67	11 49 34.1	114.97	7	15 10 14.74	19 19 18.9	66.50
8	13 16 51.82	12 1 3.9	114.28	8	15 12 44.60	19 25 57.9	65.20
9	13 19 11.21	12 12 29.6	113.58	9	15 15 14.64	19 32 29.1	63.88
10	13 21 30.83	12 23 51.1	112.85	10	15 17 44.85	19 38 52.4	62.58
11	13 23 50.69	12 35 8.2	112.12	11	15 20 15.23	19 45 7.9	61.25
12	13 26 10.79	12 46 20.9	111.37	12	15 22 45.77	19 51 15.4	59.92
13	13 28 31.12	12 57 29.1	110.60	13	15 25 16.47	19 57 14.9	58.58
14	13 30 51.70	13 8 32.7	109.82	14	15 27 47.32	20 3 6.4	57.23
15	13 33 12.50	13 19 31.6	109.03	15	15 30 18.32	20 8 49.8	55.87
16	13 35 33.55	13 30 25.8	108.22	16	15 32 49.47	20 14 25.0	54.50
17	13 37 54.84	13 41 15.1	107.40	17	15 35 20.76	20 19 52.0	53.13
18	13 40 16.37	13 51 59.5	106.57	18	15 37 52.19	20 25 10.8	51.75
19	13 42 38.13	14 2 38.9	105.70	19	15 40 23.75	20 30 21.3	50.37
20	13 45 0.14	14 13 13.1	104.85	20	15 42 55.43	20 35 23.5	48.98
21	13 47 22.39	14 23 42.2	103.97	21	15 45 27.24	20 40 17.4	47.57
22	13 49 44.87	14 34 6.0	103.08	22	15 47 59.17	20 45 2.8	46.17
23	13 52 7.59	14 44 24.5	102.17	23	15 50 31.21	20 49 39.8	44.75
24	13 54 30.55	S. 14 54 37.5		24	15 53 3.37	S. 20 54 8.3	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>WEDNESDAY 25.</i>				<i>FRIDAY 27.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	23 15 39.75	N.0 34 49.8	120.58	0	0 50 48.93	N. 9 44 34.0	105.90
1	23 17 39.46	0 46 53.3	120.47	1	0 52 48.01	9 55 4.0	104.94
2	23 19 39.09	0 58 56.1	120.33	2	0 54 47.13	10 5 30.9	103.93
3	23 21 38.66	1 10 58.1	120.18	3	0 56 46.29	10 15 54.6	103.43
4	23 23 38.16	1 22 59.2	120.03	4	0 58 45.50	10 26 15.2	102.78
5	23 25 37.60	1 34 59.4	119.88	5	1 0 44.75	10 36 32.5	102.35
6	23 27 36.97	1 46 58.7	119.70	6	1 2 44.05	10 46 46.6	101.78
7	23 29 36.28	1 58 56.9	119.52	7	1 4 43.40	10 56 57.3	101.23
8	23 31 35.54	2 10 54.0	119.33	8	1 6 42.80	11 7 4.7	100.63
9	23 33 34.74	2 22 50.0	119.15	9	1 8 42.25	11 17 8.6	100.10
10	23 35 33.89	2 34 44.9	118.93	10	1 10 41.76	11 27 9.2	99.52
11	23 37 33.00	2 46 38.5	118.72	11	1 12 41.32	11 37 6.2	98.92
12	23 39 32.06	2 58 30.8	118.50	12	1 14 40.94	11 46 59.7	98.32
13	23 41 31.08	3 10 21.8	118.27	13	1 16 40.62	11 56 49.6	97.71
14	23 43 30.05	3 22 11.4	118.03	14	1 18 40.36	12 6 36.0	97.14
15	23 45 28.99	3 33 59.6	117.77	15	1 20 40.17	12 16 18.7	96.56
16	23 47 27.89	3 45 46.2	117.53	16	1 22 40.03	12 25 57.7	95.98
17	23 49 26.76	3 57 31.4	117.25	17	1 24 39.97	12 35 33.0	95.25
18	23 51 25.61	4 9 14.9	116.98	18	1 26 39.96	12 45 4.5	94.62
19	23 53 24.42	4 20 56.8	116.70	19	1 28 40.03	12 54 32.2	93.98
20	23 55 23.21	4 32 37.0	116.40	20	1 30 40.16	13 3 56.1	93.33
21	23 57 21.98	4 44 15.4	116.10	21	1 32 40.37	13 13 16.1	92.68
22	23 59 20.72	4 55 52.0	115.80	22	1 34 40.64	13 22 32.2	92.02
23	0 1 19.45	N.5 7 26.8	115.48	23	1 36 40.99	N.13 31 44.3	91.37
<i>THURSDAY 26.</i>				<i>SATURDAY 28.</i>			
	<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>		<i>h m s</i>	<i>° ′ ″</i>	<i>″</i>
0	0 3 18.17	N.5 18 59.7	115.15	0	1 38 41.41	N.13 40 52.5	90.68
1	0 5 16.87	5 30 30.6	114.82	1	1 40 41.90	13 49 56.6	90.02
2	0 7 15.57	5 41 59.5	114.48	2	1 42 42.47	13 58 56.7	89.28
3	0 9 14.25	5 53 26.4	114.13	3	1 44 43.12	14 7 52.7	88.63
4	0 11 12.93	6 4 51.2	113.77	4	1 46 43.85	14 16 44.5	87.93
5	0 13 11.61	6 16 13.8	113.42	5	1 48 44.65	14 25 32.1	87.23
6	0 15 10.29	6 27 34.3	113.03	6	1 50 45.53	14 34 15.6	86.53
7	0 17 8.97	6 38 52.5	112.65	7	1 52 46.50	14 42 54.8	85.82
8	0 19 7.65	6 50 8.4	112.27	8	1 54 47.54	14 51 29.7	85.10
9	0 21 6.34	7 1 22.0	111.87	9	1 56 48.67	15 0 0.3	84.37
10	0 23 5.04	7 12 33.2	111.45	10	1 58 49.87	15 8 26.5	83.65
11	0 25 3.75	7 23 41.9	111.05	11	2 0 51.17	15 16 48.4	82.90
12	0 27 2.47	7 34 48.2	110.63	12	2 2 52.54	15 25 5.8	82.17
13	0 29 1.21	7 45 52.0	110.20	13	2 4 54.00	15 33 18.8	81.40
14	0 30 59.97	7 56 53.2	109.77	14	2 6 55.54	15 41 27.2	80.67
15	0 32 58.74	8 7 51.8	109.32	15	2 8 57.17	15 49 31.2	79.93
16	0 34 57.54	8 18 47.7	108.87	16	2 10 58.89	15 57 30.6	79.13
17	0 36 56.36	8 29 40.9	108.42	17	2 13 0.69	16 5 25.4	78.37
18	0 38 55.21	8 40 31.4	107.95	18	2 15 2.58	16 13 15.6	77.60
19	0 40 54.08	8 51 19.1	107.47	19	2 17 4.56	16 21 1.2	76.80
20	0 42 52.99	9 2 3.9	107.00	20	2 19 6.63	16 28 42.0	76.03
21	0 44 51.92	9 12 45.9	106.50	21	2 21 8.79	16 36 18.2	75.23
22	0 46 50.89	9 23 24.9	106.02	22	2 23 11.03	16 43 49.6	74.43
23	0 48 49.90	9 34 1.0	105.50	23	2 25 13.37	16 51 16.2	73.63
24	0 50 48.93	N.9 44 34.0		24	2 27 15.79	N.16 58 38.0	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 29.</i>				<i>MONDAY 30.</i>			
	^h ^m ^s	^o ['] ["]	["]		^h ^m ^s	^o ['] ["]	["]
0	27 15 79	N. 16 58 38 0	72 83	0	3 16 40 90	N. 19 30 4 4	52 08
1	29 18 31	17 5 55 0	72 02	1	3 18 45 54	19 35 16 9	51 17
2	31 20 91	17 13 7 1	71 20	2	3 20 50 27	19 40 23 9	50 25
3	33 23 61	17 20 14 3	70 38	3	3 22 55 08	19 45 25 4	49 33
4	35 26 39	17 27 16 6	69 57	4	3 24 59 97	19 50 21 4	48 40
5	37 29 27	17 34 14 0	68 72	5	3 27 4 94	19 55 11 8	47 47
6	39 32 24	17 41 6 3	67 90	6	3 29 10 00	19 59 56 6	46 53
7	41 35 29	17 47 53 7	67 03	7	3 31 15 13	20 4 35 8	45 60
8	43 38 44	17 54 35 9	66 22	8	3 33 20 34	20 9 9 4	44 65
9	45 41 68	18 1 13 2	65 35	9	3 35 25 63	20 13 37 3	43 72
10	47 45 01	18 7 45 3	64 50	10	3 37 31 00	20 17 59 6	42 77
11	49 48 42	18 14 12 3	63 63	11	3 39 36 44	20 22 16 2	41 82
12	51 51 93	18 20 34 1	62 77	12	3 41 41 97	20 26 27 1	40 87
13	53 55 53	18 26 50 7	61 92	13	3 43 47 56	20 30 32 3	39 90
14	55 59 21	18 33 2 2	61 02	14	3 45 53 23	20 34 31 7	38 95
15	58 2 99	18 39 8 3	60 17	15	3 47 58 97	20 38 25 4	37 98
16	0 6 85	18 45 9 3	59 27	16	3 50 4 78	20 42 13 3	37 02
17	2 10 80	18 51 4 9	58 38	17	3 52 10 66	20 45 55 4	36 07
18	4 14 84	18 56 55 2	57 50	18	3 54 16 60	20 49 31 8	35 08
19	6 18 97	19 2 40 2	56 62	19	3 56 22 62	20 53 2 3	34 10
20	8 23 19	19 8 19 9	55 70	20	3 58 28 70	20 56 26 9	33 13
21	10 27 49	19 13 54 1	54 82	21	4 0 34 85	20 59 45 7	32 15
22	12 31 87	19 19 23 0	53 90	22	4 2 41 06	21 2 58 6	31 18
23	14 36 35	19 24 46 4	53 00	23	4 4 47 33	21 6 5 7	30 18
24	16 40 90	N. 19 30 4 4		24	4 6 53 67	N. 21 9 6 8	

PHASES OF THE MOON.

☾ Last Quarter	d	h	m
● New Moon	4	9	43 3
☽ First Quarter	12	1	16 1
○ Full Moon	18	19	52 1
	26	1	13 4

☾ Apogee	d	h
☾ Perigee	3	17
	15	16

MEAN TIME.

Day of the Month.	THE SUN'S <i>Apparent</i>		Logarithm of the Radius Vector of the Earth.	THE MOON'S			
	Longitude.	Latitude.		Semidiameter.		Horizontal Parallax.	
	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Noon.</i>	<i>Midnight.</i>	<i>Noon.</i>	<i>Midnight.</i>
1	188° 23' 30" 7	N. 0° 23'	0.0001129	14° 44' 9"	14° 44' 6"	54' 7" 4	54' 6" 4
2	189 22 36 9	N. 0 10	9.9999899	14 45 0	14 45 9	54 7 5	54 10 9
3	190 21 45 4	S. 0 04	9.9998672	14 47 5	14 49 8	54 16 9	54 25 3
4	191 20 56 3	0 16	9.9997446	14 52 8	14 56 6	54 36 5	54 50 1
5	192 20 9 5	0 26	9.9996219	15 0 9	15 6 0	55 6 2	55 24 7
6	193 19 25 0	0 34	9.9994991	15 11 7	15 17 9	55 45 5	56 8 3
7	194 18 42 8	0 39	9.9993762	15 24 5	15 31 5	56 32 5	56 58 3
8	195 18 2 9	0 41	9.9992530	15 38 7	15 46 1	57 24 9	57 52 0
9	196 17 25 2	0 40	9.9991296	15 53 4	16 0 5	58 18 8	58 44 7
10	197 16 49 8	0 36	9.9990058	16 7 1	16 13 2	59 9 1	59 31 5
11	198 16 16 5	0 29	9.9988816	16 18 6	16 23 2	59 51 3	60 8 1
12	199 15 45 2	0 20	9.9987571	16 26 7	16 29 3	60 21 0	60 30 3
13	200 15 15 9	S. 0 09	9.9986324	16 30 7	16 31 1	60 35 6	60 37 0
14	201 14 48 6	N. 0 03	9.9985074	16 30 3	16 28 6	60 34 3	60 28 0
15	202 14 23 2	0 16	9.9983823	16 26 1	16 22 6	60 18 4	60 5 8
16	203 13 59 6	0 29	9.9982571	16 18 4	16 13 8	59 50 6	59 33 8
17	204 13 37 8	0 41	9.9981321	16 8 9	16 3 6	59 15 6	58 56 3
18	205 13 17 8	0 51	9.9980073	15 58 2	15 52 7	58 36 3	58 16 2
19	206 12 59 4	0 60	9.9978830	15 47 3	15 41 9	57 56 2	57 36 4
20	207 12 42 7	0 66	9.9977592	15 36 6	15 31 6	57 17 2	56 58 6
21	208 12 27 7	0 69	9.9976362	15 26 7	15 22 0	56 40 7	56 23 5
22	209 12 14 4	0 70	9.9975142	15 17 6	15 13 4	56 7 2	55 51 8
23	210 12 2 9	0 67	9.9973932	15 9 4	15 5 6	55 37 1	55 23 3
24	211 11 53 2	0 61	9.9972735	15 2 0	14 58 7	55 10 1	54 58 1
25	212 11 45 3	0 53	9.9971550	14 55 7	14 53 0	54 46 9	54 36 8
26	213 11 39 3	0 42	9.9970378	14 50 4	14 48 2	54 27 6	54 19 4
27	214 11 35 2	0 30	9.9969222	14 46 3	14 44 8	54 12 6	54 6 9
28	215 11 33 1	0 16	9.9968080	14 43 6	14 42 8	54 2 6	53 59 8
29	216 11 33 0	N. 0 02	9.9966952	14 42 5	14 42 6	53 58 5	53 59 0
30	217 11 34 8	S. 0 11	9.9965840	14 43 2	14 44 4	54 1 2	54 5 4
31	218 11 38 7	0 23	9.9964741	14 46 1	14 48 4	54 11 7	54 20 2
32	219 11 44 8	S. 0 33	9.9963655	14 51 3	14 54 9	54 31 0	54 44 1

MEAN TIME.

THE MOON'S

Day of the Week.	Day of the Month.	Longitude.		Latitude.		Age.			Meridian Passage.
		Noon.	Midnight.	Noon.	Midnight.	Noon.			
		° ' "	° ' "	° ' "	° ' "	d	h	m	
Tues.	1	63 46 49.5	69 40 25.7	N.0 13 55.6	S.0 17 45.3	18.9	15	56.7	
Wed.	2	75 33 46.4	81 27 27.8	S.0 49 15.0	1 20 16.3	19.9	16	45.3	
Thur.	3	87 22 9.4	93 18 30.9	1 50 32.0	2 19 45.2	20.9	17	33.9	
Frid.	4	99 17 12.3	105 18 54.4	2 47 38.2	3 13 53.4	21.9	18	22.2	
Sat.	5	111 24 16.3	117 33 56.3	3 38 12.8	4 0 17.6	22.9	19	10.1	
Sun.	6	123 48 29.9	130 8 29.1	4 19 48.8	4 36 26.6	23.9	19	57.6	
Mon.	7	136 34 21.4	143 6 28.6	4 49 51.4	4 59 43.9	24.9	20	45.1	
Tues.	8	149 45 5.5	156 30 18.6	5 5 45.7	5 7 39.8	25.9	21	33.3	
Wed.	9	163 22 5.6	170 20 14.4	5 5 12.4	4 58 13.0	26.9	22	22.8	
Thur.	10	177 24 22.6	184 33 58.4	4 46 35.7	4 30 20.6	27.9	23	14.5	
Frid.	11	191 48 19.7	199 6 38.2	4 9 34.8	3 44 32.2	28.9		6	
Sat.	12	206 27 59.0	213 51 23.2	3 15 34.1	2 43 9.1	0.5	0	9.0	
Sun.	13	221 15 51.0	228 40 23.8	2 7 51.4	1 30 20.8	1.5	1	6.6	
Mon.	14	236 4 6.7	243 26 9.9	S.0 51 20.5	S.0 11 34.5	2.5	2	6.8	
Tues.	15	250 45 49.7	258 2 30.4	N.0 28 12.5	N.1 7 17.4	3.5	3	8.2	
Wed.	16	265 15 44.4	272 25 10.4	1 44 59.9	2 20 44.2	4.5	4	9.2	
Thur.	17	279 30 34.3	286 31 48.2	2 53 57.9	3 24 14.0	5.5	5	8.0	
Frid.	18	293 28 48.8	300 21 36.8	3 51 10.1	4 14 28.2	6.5	6	3.5	
Sat.	19	307 10 15.7	313 54 51.8	4 33 55.1	4 49 21.2	7.5	6	55.4	
Sun.	20	320 35 32.0	327 12 24.6	5 0 41.7	5 7 54.4	8.5	7	44.3	
Mon.	21	333 45 37.6	340 15 19.3	5 11 0.2	5 10 3.7	9.5	8	30.8	
Tues.	22	346 41 37.3	353 4 39.0	5 5 11.6	4 56 33.2	10.5	9	15.8	
Wed.	23	359 24 31.0	5 41 19.7	4 44 20.1	4 28 45.7	11.5	10	0.2	
Thur.	24	11 55 11.9	18 6 13.7	4 10 5.2	3 48 35.5	12.5	10	44.7	
Frid.	25	24 14 32.1	30 20 15.0	3 24 34.2	2 58 20.6	13.5	11	29.8	
Sat.	26	36 23 31.6	42 24 32.6	2 30 14.4	2 0 35.7	14.5	12	16.0	
Sun.	27	48 23 30.5	54 20 40.3	1 29 44.9	N.0 58 2.1	15.5	13	3.2	
Mon.	28	60 16 18.5	66 10 44.8	N.0 25 47.5	S.0 6 39.2	16.5	13	51.2	
Tues.	29	72 4 21.1	77 57 31.4	S.0 38 59.0	1 10 53.1	17.5	14	39.7	
Wed.	30	83 50 42.4	89 44 23.0	1 42 3.2	2 12 11.6	18.5	15	28.1	
Thur.	31	95 39 4.4	101 35 19.0	2 41 1.2	3 8 14.9	19.5	16	15.9	
Frid.	32	107 33 41.2	113 34 46.8	S.3 33 35.9	S.3 56 47.4	20.5	17	3.0	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 th .
<i>WEDNESDAY 9.</i>				<i>FRIDAY 11.</i>			
0	h m s 10 50 53·70	N. 1° 50' 33" 6	127·97	0	h m s 12 36 50·59	S. 8° 29' 52" 0	125·15
1	10 53 1·80	1 37 45·8	128·22	1	12 39 8·62	8 42 22·9	124·73
2	10 55 10·03	1 24 56·5	128·47	2	12 41 26·93	8 54 51·3	124·28
3	10 57 18·41	1 12 5·7	128·68	3	12 43 45·50	9 7 17·0	123·83
4	10 59 26·93	0 59 13·6	128·88	4	12 46 4·34	9 19 40·0	123·37
5	11 1 35·61	0 46 20·3	129·10	5	12 48 23·46	9 32 0·2	122·90
6	11 3 44·43	0 33 25·7	129·28	6	12 50 42·85	9 44 17·6	122·38
7	11 5 53·41	0 20 30·0	129·47	7	12 53 2·52	9 56 31·9	121·87
8	11 8 2·55	N. 0° 7' 33" 2	129·63	8	12 55 22·47	10 8 43·1	121·38
9	11 10 11·85	S. 0° 5' 24" 6	129·78	9	12 57 42·69	10 20 51·0	120·78
10	11 12 21·31	0 18 23·3	129·93	10	13 0 3·20	10 32 55·7	120·23
11	11 14 30·93	0 31 22·9	130·05	11	13 2 23·98	10 44 57·0	119·64
12	11 16 40·73	0 44 23·2	130·17	12	13 4 45·05	10 56 54·8	119·03
13	11 18 50·70	0 57 24·2	130·28	13	13 7 6·40	11 8 49·0	118·43
14	11 21 0·84	1 10 25·9	130·37	14	13 9 28·04	11 20 39·5	117·77
15	11 23 11·16	1 23 28·1	130·45	15	13 11 49·96	11 32 26·1	117·13
16	11 25 21·67	1 36 30·8	130·52	16	13 14 12·17	11 44 8·9	116·48
17	11 27 32·36	1 49 33·9	130·57	17	13 16 34·67	11 55 47·6	115·78
18	11 29 43·23	2 2 37·3	130·62	18	13 18 57·45	12 7 22·3	115·08
19	11 31 54·30	2 15 41·0	130·63	19	13 21 20·52	12 18 52·8	114·35
20	11 34 5·56	2 28 44·8	130·65	20	13 23 43·88	12 30 18·9	113·66
21	11 36 17·02	2 41 48·7	130·65	21	13 26 7·53	12 41 40·7	112·97
22	11 38 28·67	2 54 52·6	130·63	22	13 28 31·46	12 52 57·9	112·28
23	11 40 40·53	S. 3° 7' 56" 4	130·60	23	13 30 55·69	S. 13° 4' 10" 6	111·53
<i>THURSDAY 10.</i>				<i>SATURDAY 12.</i>			
0	11 42 52·60	S. 3° 21' 0" 0	130·57	0	13 33 20·21	S. 13° 15' 18" 6	110·53
1	11 45 4·87	3 34 3·4	130·52	1	13 35 45·01	13 26 21·8	109·78
2	11 47 17·35	3 47 6·5	130·43	2	13 38 10·11	13 37 20·1	108·87
3	11 49 30·05	4 0 9·1	130·35	3	13 40 35·49	13 48 13·3	108·09
4	11 51 42·96	4 13 11·2	130·27	4	13 43 1·16	13 59 1·5	107·17
5	11 53 56·09	4 26 12·8	130·13	5	13 45 27·11	14 9 44·5	106·28
6	11 56 9·44	4 39 13·6	130·03	6	13 47 53·35	14 20 22·2	105·38
7	11 58 23·01	4 52 13·8	129·87	7	13 50 19·88	14 30 54·5	104·44
8	12 0 36·82	5 5 13·0	129·72	8	13 52 46·70	14 41 21·3	103·55
9	12 2 50·85	5 18 11·3	129·55	9	13 55 13·79	14 51 42·6	102·58
10	12 5 5·12	5 31 8·6	129·37	10	13 57 41·17	15 1 58·1	101·63
11	12 7 19·62	5 44 4·8	129·17	11	14 0 8·83	15 12 7·9	100·65
12	12 9 34·36	5 56 59·8	128·95	12	14 2 36·77	15 22 11·8	99·65
13	12 11 49·34	6 9 53·5	128·72	13	14 5 4·99	15 32 9·7	98·65
14	12 14 4·55	6 22 45·8	128·47	14	14 7 33·19	15 42 1·6	97·62
15	12 16 20·02	6 35 36·6	128·20	15	14 10 2·26	15 51 47·3	96·58
16	12 18 35·73	6 48 25·8	127·93	16	14 12 31·31	16 1 26·8	95·52
17	12 20 51·69	7 1 13·4	127·63	17	14 15 0·63	16 10 59·9	94·45
18	12 23 7·90	7 13 59·2	127·33	18	14 17 30·22	16 20 26·6	93·37
19	12 25 24·37	7 26 43·2	127·00	19	14 20 0·07	16 29 46·8	92·25
20	12 27 41·09	7 39 25·2	126·67	20	14 22 30·19	16 39 0·3	91·18
21	12 29 58·07	7 52 5·2	126·32	21	14 25 0·57	16 48 7·2	90·02
22	12 32 15·32	8 4 43·1	125·93	22	14 27 31·21	16 57 7·3	88·87
23	12 34 32·82	8 17 18·7	125·55	23	14 30 2·10	17 6 0·5	87·70
24	12 36 50·59	S. 8° 29' 52" 0		24	14 32 33·25	S. 17° 14' 46" 7	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>SUNDAY 13.</i>				<i>TUESDAY 15.</i>			
	<i>h m s</i>	<i>S. ° ' "</i>	<i>" "</i>		<i>h m s</i>	<i>S. ° ' "</i>	<i>" "</i>
0	14 32 33 ^{.25}	S. 17 14 46 ^{.7}	86 ^{.53}	0	16 36 58 ^{.92}	S. 21 36 43 ^{.7}	18 ^{.12}
1	14 35 4 ^{.65}	17 23 25 ^{.9}	85 ^{.35}	1	16 39 36 ^{.46}	21 38 32 ^{.4}	16 ^{.55}
2	14 37 36 ^{.30}	17 31 58 ^{.0}	84 ^{.13}	2	16 42 13 ^{.98}	21 40 11 ^{.7}	14 ^{.99}
3	14 40 8 ^{.19}	17 40 22 ^{.8}	82 ^{.93}	3	16 44 51 ^{.45}	21 41 41 ^{.6}	13 ^{.45}
4	14 42 40 ^{.32}	17 48 40 ^{.4}	81 ^{.70}	4	16 47 28 ^{.88}	21 43 2 ^{.3}	11 ^{.87}
5	14 45 12 ^{.70}	17 56 50 ^{.6}	80 ^{.45}	5	16 50 6 ^{.26}	21 44 13 ^{.5}	10 ^{.32}
6	14 47 45 ^{.30}	18 4 53 ^{.3}	79 ^{.20}	6	16 52 43 ^{.58}	21 45 15 ^{.4}	8 ^{.77}
7	14 50 18 ^{.13}	18 12 48 ^{.5}	77 ^{.93}	7	16 55 20 ^{.83}	21 46 8 ^{.0}	7 ^{.22}
8	14 52 51 ^{.19}	18 20 36 ^{.1}	76 ^{.65}	8	16 57 58 ^{.00}	21 46 51 ^{.3}	5 ^{.65}
9	14 55 24 ^{.48}	18 28 16 ^{.0}	75 ^{.37}	9	17 0 35 ^{.10}	21 47 25 ^{.2}	4 ^{.12}
10	14 57 57 ^{.97}	18 35 48 ^{.2}	74 ^{.05}	10	17 3 12 ^{.11}	21 47 49 ^{.9}	2 ^{.55}
11	15 0 31 ^{.69}	18 43 12 ^{.5}	72 ^{.73}	11	17 5 49 ^{.02}	21 48 5 ^{.2}	1 ^{.02}
12	15 3 5 ^{.60}	18 50 28 ^{.9}	71 ^{.42}	12	17 8 25 ^{.84}	21 48 11 ^{.3}	0 ^{.53}
13	15 5 39 ^{.73}	18 57 37 ^{.4}	70 ^{.07}	13	17 11 2 ^{.55}	21 48 8 ^{.1}	2 ^{.07}
14	15 8 14 ^{.05}	19 4 37 ^{.8}	68 ^{.72}	14	17 13 39 ^{.14}	21 47 55 ^{.7}	3 ^{.60}
15	15 10 48 ^{.57}	19 11 30 ^{.1}	67 ^{.35}	15	17 16 15 ^{.61}	21 47 34 ^{.1}	5 ^{.13}
16	15 13 23 ^{.28}	19 18 14 ^{.2}	65 ^{.98}	16	17 18 51 ^{.94}	21 47 3 ^{.3}	6 ^{.67}
17	15 15 58 ^{.17}	19 24 50 ^{.1}	64 ^{.60}	17	17 21 28 ^{.15}	21 46 23 ^{.3}	8 ^{.18}
18	15 18 33 ^{.24}	19 31 17 ^{.7}	63 ^{.20}	18	17 24 4 ^{.21}	21 45 34 ^{.2}	9 ^{.70}
19	15 21 8 ^{.48}	19 37 36 ^{.9}	61 ^{.80}	19	17 26 40 ^{.12}	21 44 36 ^{.0}	11 ^{.22}
20	15 23 43 ^{.90}	19 43 47 ^{.7}	60 ^{.40}	20	17 29 15 ^{.87}	21 43 28 ^{.7}	12 ^{.72}
21	15 26 19 ^{.47}	19 49 50 ^{.1}	58 ^{.95}	21	17 31 51 ^{.47}	21 42 12 ^{.4}	14 ^{.22}
22	15 28 55 ^{.21}	19 55 43 ^{.8}	57 ^{.53}	22	17 34 26 ^{.90}	21 40 47 ^{.1}	15 ^{.73}
23	15 31 31 ^{.09}	S. 20 1 29 ^{.0}	56 ^{.10}	23	17 37 2 ^{.15}	S. 21 39 12 ^{.7}	17 ^{.20}
<i>MONDAY 14.</i>				<i>WEDNESDAY 16.</i>			
0	15 34 7 ^{.12}	S. 20 7 5 ^{.6}	54 ^{.63}	0	17 39 37 ^{.22}	S. 21 37 29 ^{.5}	18 ^{.70}
1	15 36 43 ^{.30}	20 12 33 ^{.4}	53 ^{.18}	1	17 42 12 ^{.10}	21 35 37 ^{.3}	20 ^{.17}
2	15 39 19 ^{.60}	20 17 52 ^{.5}	51 ^{.72}	2	17 44 46 ^{.80}	21 33 36 ^{.3}	21 ^{.65}
3	15 41 56 ^{.04}	20 23 2 ^{.8}	50 ^{.25}	3	17 47 21 ^{.29}	21 31 26 ^{.4}	23 ^{.10}
4	15 44 32 ^{.59}	20 28 4 ^{.3}	48 ^{.77}	4	17 49 55 ^{.58}	21 29 7 ^{.8}	24 ^{.55}
5	15 47 9 ^{.26}	20 32 56 ^{.9}	47 ^{.27}	5	17 52 29 ^{.66}	21 26 40 ^{.5}	26 ^{.02}
6	15 49 46 ^{.04}	20 37 40 ^{.5}	45 ^{.78}	6	17 55 3 ^{.52}	21 24 4 ^{.4}	27 ^{.43}
7	15 52 22 ^{.92}	20 42 15 ^{.2}	44 ^{.28}	7	17 57 37 ^{.16}	21 21 19 ^{.8}	28 ^{.88}
8	15 54 59 ^{.90}	20 46 40 ^{.9}	42 ^{.77}	8	18 0 10 ^{.58}	21 18 26 ^{.5}	30 ^{.30}
9	15 57 36 ^{.96}	20 50 57 ^{.5}	41 ^{.27}	9	18 2 43 ^{.77}	21 15 24 ^{.7}	31 ^{.72}
10	16 0 14 ^{.11}	20 55 5 ^{.1}	39 ^{.75}	10	18 5 16 ^{.72}	21 12 14 ^{.4}	33 ^{.12}
11	16 2 51 ^{.34}	20 59 3 ^{.6}	38 ^{.22}	11	18 7 49 ^{.43}	21 8 55 ^{.7}	34 ^{.52}
12	16 5 28 ^{.62}	21 2 52 ^{.9}	36 ^{.70}	12	18 10 21 ^{.89}	21 5 28 ^{.6}	35 ^{.90}
13	16 8 5 ^{.98}	21 6 33 ^{.1}	35 ^{.15}	13	18 12 54 ^{.10}	21 1 53 ^{.2}	37 ^{.28}
14	16 10 43 ^{.38}	21 10 4 ^{.0}	33 ^{.63}	14	18 15 26 ^{.06}	20 58 9 ^{.5}	38 ^{.65}
15	16 13 20 ^{.84}	21 13 25 ^{.8}	32 ^{.08}	15	18 17 57 ^{.75}	20 54 17 ^{.6}	40 ^{.00}
16	16 15 58 ^{.34}	21 16 38 ^{.3}	30 ^{.53}	16	18 20 29 ^{.19}	20 50 17 ^{.6}	41 ^{.37}
17	16 18 35 ^{.87}	21 19 41 ^{.5}	29 ^{.00}	17	18 23 0 ^{.35}	20 46 9 ^{.4}	42 ^{.68}
18	16 21 13 ^{.42}	21 22 35 ^{.5}	27 ^{.45}	18	18 25 31 ^{.24}	20 41 53 ^{.3}	44 ^{.03}
19	16 23 51 ^{.00}	21 25 20 ^{.2}	25 ^{.88}	19	18 28 1 ^{.85}	20 37 29 ^{.1}	45 ^{.33}
20	16 26 28 ^{.59}	21 27 55 ^{.5}	24 ^{.35}	20	18 30 32 ^{.19}	20 32 57 ^{.1}	46 ^{.65}
21	16 29 6 ^{.18}	21 30 21 ^{.6}	22 ^{.78}	21	18 33 2 ^{.24}	20 28 17 ^{.2}	47 ^{.95}
22	16 31 43 ^{.77}	21 32 38 ^{.3}	21 ^{.23}	22	18 35 32 ^{.06}	20 23 29 ^{.5}	49 ^{.23}
23	16 34 21 ^{.36}	21 34 45 ^{.7}	19 ^{.67}	23	18 38 1 ^{.47}	20 18 34 ^{.1}	50 ^{.52}
24	16 36 58 ^{.92}	S. 21 36 43 ^{.7}		24	18 40 30 ^{.64}	S. 20 13 31 ^{.0}	

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>TUESDAY 29.</i>				<i>THURSDAY 31.</i>			
0	4 42 39 ^{h m s} 92	N.21 36 45 ^{o i "} 7	11 73	0	6 24 8 ^{h m s} 22	N.20 39 23 ^{o i "} 4	36 25
1	4 44 47 02	21 37 56 1	10 72	1	6 26 14 12	20 35 45 9	37 22
2	4 46 54 13	21 39 0 4	9 70	2	6 28 19 95	20 32 2 6	38 17
3	4 49 1 26	21 39 58 6	8 70	3	6 30 25 72	20 28 13 6	39 13
4	4 51 8 40	21 40 50 8	7 68	4	6 32 31 43	20 24 18 8	40 07
5	4 53 15 56	21 41 36 9	6 67	5	6 34 37 07	20 20 18 4	41 03
6	4 55 22 73	21 42 16 9	5 67	6	6 36 42 65	20 16 12 2	41 98
7	4 57 29 90	21 42 50 9	4 65	7	6 38 48 16	20 12 0 3	42 92
8	4 59 37 09	21 43 18 8	3 63	8	6 40 53 61	20 7 42 8	43 87
9	5 1 44 27	21 43 40 6	2 62	9	6 42 58 98	20 3 19 6	44 80
10	5 3 51 46	21 43 56 3	1 60	10	6 45 4 29	19 58 50 8	45 73
11	5 5 58 65	21 44 5 9	0 60	11	6 47 9 53	19 54 16 4	46 67
12	5 8 5 84	21 44 9 5	0 42	12	6 49 14 69	19 49 36 4	47 60
13	5 10 13 03	21 44 7 0	1 43	13	6 51 19 79	19 44 50 8	48 52
14	5 12 20 21	21 43 58 4	2 45	14	6 53 24 81	19 39 59 7	49 45
15	5 14 27 38	21 43 43 7	3 47	15	6 55 29 76	19 35 3 0	50 37
16	5 16 34 55	21 43 22 9	4 47	16	6 57 34 65	19 30 0 8	51 28
17	5 18 41 70	21 42 56 1	5 48	17	6 59 39 46	19 24 53 1	52 20
18	5 20 48 84	21 42 23 2	6 50	18	7 1 44 19	19 19 39 9	53 10
19	5 22 55 97	21 41 44 2	7 52	19	7 3 48 86	19 14 21 3	54 02
20	5 25 3 07	21 40 59 1	8 52	20	7 5 53 45	19 8 57 2	54 90
21	5 27 10 16	21 40 8 0	9 52	21	7 7 57 97	19 3 27 8	55 82
22	5 29 17 23	21 39 10 9	10 53	22	7 10 2 41	18 57 52 9	56 72
23	5 31 24 28	N.21 38 7 7	11 55	23	7 12 6 79	N.18 52 12 6	57 60
<i>WEDNESDAY 30.</i>				<i>FRIDAY, NOV. 1.</i>			
0	5 33 31 30	N.21 36 58 4	12 55	0	7 14 11 09	N.18 46 27 0	
1	5 35 38 30	21 35 43 1	13 55				
2	5 37 45 26	21 34 21 8	14 57				
3	5 39 52 20	21 32 54 4	15 55				
4	5 41 59 10	21 31 21 1	16 57				
5	5 44 5 98	21 29 41 7	17 57				
6	5 46 12 81	21 27 56 3	18 57				
7	5 48 19 61	21 26 4 9	19 57				
8	5 50 26 38	21 24 7 5	20 55				
9	5 52 33 10	21 22 4 2	21 57				
10	5 54 39 78	21 19 54 8	22 53				
11	5 56 46 42	21 17 39 6	23 55				
12	5 58 53 02	21 15 18 3	24 53				
13	6 0 59 57	21 12 51 1	25 52				
14	6 3 6 08	21 10 18 0	26 50				
15	6 5 12 53	21 7 39 0	27 50				
16	6 7 18 94	21 4 54 0	28 47				
17	6 9 25 29	21 2 3 2	29 45				
18	6 11 31 59	20 59 6 5	30 43				
19	6 13 37 84	20 56 3 9	31 42				
20	6 15 44 03	20 52 55 4	32 37				
21	6 17 50 16	20 49 41 2	33 37				
22	6 19 56 24	20 46 21 0	34 32				
23	6 22 2 26	20 42 55 1	35 28				
24	6 24 8 22	N.20 39 23 4					

PHASES OF THE MOON.

☾ Last Quarter	-	4	4	29	1
☽ New Moon	-	11	11	23	8
☾ First Quarter	-	18	3	15	7
☉ Full Moon	-	25	17	4	9

☾ Apogee	-	-	-	-	1	12
☾ Perigee	-	-	-	-	13	10
☾ Apogee	-	-	-	-	29	3

MEAN TIME.

THE MOON'S RIGHT ASCENSION AND DECLINATION.

Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .	Hour.	Right Ascension.	Declination.	Diff. Dec. for 10 ^m .
<i>FRIDAY 25.</i>				<i>SUNDAY 27.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	1 24 38.45	N.12 34 30.4	93.75	0	3 1 57.80	N.18 45 12.1	57.75
1	1 26 37.83	12 43 52.9	93.15	1	3 4 1.91	18 50 58.6	56.87
2	1 28 37.29	12 53 11.8	92.55	2	3 6 6.11	18 56 39.8	55.97
3	1 30 36.81	13 2 27.1	91.90	3	3 8 10.40	19 2 15.6	55.10
4	1 32 36.48	13 11 38.5	91.30	4	3 10 14.79	19 7 46.2	54.18
5	1 34 36.21	13 20 46.3	90.65	5	3 12 19.27	19 13 11.3	53.30
6	1 36 36.03	13 29 50.2	90.02	6	3 14 23.84	19 18 31.1	52.40
7	1 38 35.94	13 38 50.3	89.35	7	3 16 28.51	19 23 45.5	51.48
8	1 40 35.95	13 47 46.4	88.72	8	3 18 33.26	19 28 54.4	50.58
9	1 42 36.04	13 56 38.7	88.05	9	3 20 38.10	19 33 57.9	49.67
10	1 44 36.23	14 5 27.0	87.38	10	3 22 43.02	19 38 55.9	48.75
11	1 46 36.52	14 14 11.3	86.72	11	3 24 48.03	19 43 48.4	47.82
12	1 48 36.90	14 22 51.6	86.03	12	3 26 53.13	19 48 35.3	46.90
13	1 50 37.38	14 31 27.8	85.35	13	3 28 58.31	19 53 16.7	45.97
14	1 52 37.96	14 39 59.9	84.65	14	3 31 3.57	19 57 52.5	45.05
15	1 54 38.63	14 48 27.8	83.95	15	3 33 8.91	20 2 22.8	44.10
16	1 56 39.40	14 56 51.5	83.27	16	3 35 14.33	20 6 47.4	43.15
17	1 58 40.28	15 5 11.1	82.53	17	3 37 19.82	20 11 6.3	42.22
18	2 0 41.25	15 13 26.3	81.83	18	3 39 25.40	20 15 19.6	41.28
19	2 2 42.32	15 21 37.3	81.10	19	3 41 31.04	20 19 27.3	40.32
20	2 4 43.50	15 29 43.9	80.38	20	3 43 36.76	20 23 29.2	39.37
21	2 6 44.77	15 37 46.2	79.63	21	3 45 42.56	20 27 25.4	38.42
22	2 8 46.15	15 45 44.0	78.92	22	3 47 48.42	20 31 15.9	37.45
23	2 10 47.63	N.15 53 37.5	78.15	23	3 49 54.35	N.20 35 0.6	36.50
<i>SATURDAY 26.</i>				<i>MONDAY 28.</i>			
	h m s	° ' "	"		h m s	° ' "	"
0	2 12 49.20	N.16 1 26.4	77.40	0	3 52 0.34	N.20 38 39.6	35.53
1	2 14 50.88	16 9 10.8	76.65	1	3 54 6.40	20 42 12.8	34.55
2	2 16 52.67	16 16 50.7	75.88	2	3 56 12.53	20 45 40.1	33.60
3	2 18 54.55	16 24 26.0	75.12	3	3 58 18.72	20 49 1.7	32.62
4	2 20 56.54	16 31 56.7	74.35	4	4 0 24.97	20 52 17.4	31.63
5	2 22 58.61	16 39 22.8	73.57	5	4 2 31.28	20 55 27.2	30.67
6	2 25 0.83	16 46 44.2	72.77	6	4 4 37.65	20 58 31.2	29.68
7	2 27 3.13	16 54 0.8	72.00	7	4 6 44.07	21 1 29.3	28.70
8	2 29 5.54	17 1 12.8	71.18	8	4 8 50.55	21 4 21.5	27.72
9	2 31 8.04	17 8 19.9	70.38	9	4 10 57.07	21 7 7.8	26.72
10	2 33 10.65	17 15 22.2	69.58	10	4 13 3.65	21 9 48.1	25.75
11	2 35 13.36	17 22 19.7	68.77	11	4 15 10.28	21 12 22.6	24.75
12	2 37 16.18	17 29 12.3	67.95	12	4 17 16.95	21 14 51.1	23.75
13	2 39 19.10	17 36 0.0	67.13	13	4 19 23.67	21 17 13.6	22.77
14	2 41 22.11	17 42 42.8	66.28	14	4 21 30.43	21 19 30.2	21.77
15	2 43 25.23	17 49 20.5	65.47	15	4 23 37.23	21 21 40.8	20.77
16	2 45 28.45	17 55 53.3	64.63	16	4 25 44.07	21 23 45.4	19.77
17	2 47 31.77	18 2 21.1	63.78	17	4 27 50.94	21 25 44.0	18.77
18	2 49 35.19	18 8 43.8	62.93	18	4 29 57.85	21 27 36.6	17.77
19	2 51 38.71	18 15 1.4	62.08	19	4 32 4.79	21 29 23.2	16.77
20	2 53 42.33	18 21 13.9	61.22	20	4 34 11.76	21 31 3.8	15.75
21	2 55 46.05	18 27 21.2	60.37	21	4 36 18.76	21 32 38.3	14.75
22	2 57 49.87	18 33 23.4	59.50	22	4 38 25.79	21 34 6.8	13.75
23	2 59 53.78	18 39 20.4	58.62	23	4 40 32.84	21 35 29.3	12.73
24	3 1 57.80	N.18 45 12.1		24	4 42 39.92	N.21 36 45.7	



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