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 surp Jәрuexว aqว pue saurt-Kins Cta e je. Lixyl jo mof
without any previous o is of the fame Regiy. The Servant, with his Plaint to the Soveate is called there) who arrant of Arreft upon ived Intelligence before immediately went and ht him upon the Spot. e had offered him the ry Remonftrance incan more Time for Perme Diftance from the by the Way, the Inwhen on a fudden, ord, and upon the firft in his left Breaft; upon 1 ; and upon the third, the Body, of which he PIs. Capt. Wrey never wn Wounds bled very Wbeen procured for him. oh being the Aggreflor, pproach, he gave him a
sifficer was a Man of fair loy, lately married in that n of a very confiderable und, of very genteel Deby every Officer in his is Intention, by the Adare equally well fatisfied Behaviour on this unforTrial at the approaching
in Berks, that on Sun-. o'Clock, there bappened attended with Thunder done very confiderable oring and Stanford, where oblured four Inches and
againft any hard Body
others lie buried in the Earth; fome of them feem to have been toffed into the Air when they broke loofs from the Building, for they have lighted in Places, to which they could not have come in a direct Line, without beating down Part of the Parfonage-Houfe, which has efcaped untouched; the Lightening has left Marks of its Violence in many Parts of the Church, yet, tho' it has thrown down fome large Stones from one of the Windows, and made a Gap about an Inch wide in the Lintel of another, it cannot be feen that it has crack'd one Pane of Glafs. This happened but a few Hours after the People were gone out of Church. It is remarkable, that about fix Years ago the fame Church and Tower fuffered by Lightening in the fame Manner as they have fuffered now, and all the like Appearances, or very little Difference, were produced then.

The King has been pleafed to conftitute and appoint John Leighton, Efq; to be Lieutenant Governor of the Town and Garrifon of Portfmouth, in the room of Peter Campbell, Efq; Deceafed.

On Monday laft as Mr. Fuller of the Hermitage, and Mr. Farrer of Doctors Commons, were coming to Town from Buckinghamfhire, they were ftopt ht Highwayman well mounted, near Amerfham, ax robbed of their Watches and Money.

Yeiterday the poor Servant, who brings Salmontd Town from Yorkfhire, was robbed, for the third Time, near the Two Mile Stone, in the Shoreditch Road, of the fmall Sum of Money he had, by two Footpads, who have made it a Practice for three Months, without being ever molefted by the Officers in that Diftrict.

Yefterday the Hon. Houfe of Commons paffed the Land-Tax and Mutiny Bills.

Yefterday Morning died, at his Lodgings in Fleetftreet, Mr. Wefton, well known to the Publick by his Books on Short-Hand.

The Hon. the Eaft-India Company have entered at the Cuftom-Houfe 235,000 Ounces of Foreign Silver Coin, for the Payment of their Settlements io thofe Parts.

Inteng for that Iume only, the eleven intermediate Nommal Davs of the common Calendar ; and that the feveral natural Days which fhall follow next after the faid Day of
fhall be refpectively called, reckoned, and numbered forwards in Nuingrical Order, from the Yaid Day of according to the Succeffion of Days now ufed in the prefent Calendar; and that all Acts, Deeds, Writings, Nutes and other Inftruments of what Nature or Kind foever, whether Ecclefiaftical or Civil, publick or private, which fhall be made or figned, upon or after the faid firft of January thatl bear Date according to the new Supputation, and that the two fixed Terms of St Hilary and St. Michael, in England, and the feveral Meetings of the Court of Seffion, and Terms fixed for the Court of Exchequer in Scotland, and the Courts of great Seffions in the Counties Palatine, and in Wales, and the Courts of General Quarter Seffions of the Peace, and all other Courts and Allemblies of any Bodies Politic or Corporate, for clecting of Officers, or fuch Officers entering upon the Fxecution of their refpective Offices, or for any ether Purpofe, which are to be holden and kept on any fixed or certain Day of any Montr, or on any Day depending finon the Begiming, or any certain Day of any Month, azcent furb Courts as are ufually holdea or kept withany Jhisc (Muts) hatlfrom Timeto Time, from and after the faid Day of be holden and kept upon the fame Nominal Days, and whereon, or according to which, the fame are now to be held, out fhall be computed according to the new Method of numbering the Days of the Calendar, which will be eleven Days fooner than they are now holden and kept.

In order to preferve the Kalendar, or Method of Reckoning, and for computing the Days of the Year in the fanie regular Courfe in all Times coming, it is propofed, that in the feveral Years of our Lord 1800, $1900,2100,2200,2300$, or any other hundredth Years of our Lord in Time to come, except only every fourth hundredth Year, whereof the Year of our Lord 2000 fhall be the firft, fhall not be taken to be Leap-Years, but fhall be common Years, confifting of $3^{6} 5$ Days; and that the Year of our Lord $2000,2400,2800$, and every fourth hundredth Year of our lurd, from the Year 2000 inclufive, and alfo
fixed to fuch certain Ter the faid Day of the Nominal Days of the but Eleven Days later th the New Calendar.

Nothing is propofed Days or Times for oper any Lands for common Cuftoms, Privileges aii this Kingdom, but they fhut up, upon the fari which will be Eleven D have happened accordir Time, fo to begin on $t$

Nothing is intended cipitate the Time of Pa Sum of Money, whici tue of any Cuftom, T Bonu, Note, Contrar now fubfifting, or whit or entered into, at any or to acceler
the Intereft of any fu become payable as : Delivery of Goods, C Commencement, Ex any Leafe or Demife c ditaments, or of any foever; or the accep: up the Pofleffion of a Hereditaments, or th or Determination of Grant for any Tern Kind foever, or the twenty-one Years, ob Law, Ufage, Deed, for the doing any ACl foever, by any Perfe fhall be born before or the Time of the any Apprentice or otpr der any Articles urer fimple Contract or fach Rents, Annuitso

## 

 O R, A N For the YEAR of Our LORD GOD, I753. Being the firf after Bissextile, or Leap-Year.
And from the World's Creation, 5755. Wherenin ig contained the Lunations, Conjunc. tions, Alpects, and Effects of the Planets; the Increafe, Decreafe, and Length of the Days and Nights; with the Rifing, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times? when either the Moon or Stars are feen. Calculated according to Art, and referred to thes Horizon of the ancient and renowned BoroughTown of Stamford (formerly a famous Univerfity) whole Latitude is 52 deg . 40 min . fitting all the middle Counties of ENGLAND, and without \{enfible Error the whole Kingdom.

Non ef è Terris mollis ad Afra Via.
By T XCHO WING, Pbilomatb.
L. ONDON:

Printed by R. Parker, for the Company of STATIONERS.

## Common Notes for the Yrar $1753^{\circ}$

Golden Number<br>6<br>Epact<br>Cycle of the Sutn<br>25<br>Dominical Letter<br>Roman Indidion<br>1<br>Number of Direction 32

A T A BLE E of Terms and their Retirnse
Hilary-Term begins $\mathfrak{F}$ an. 23, ends Feb. 12.
Returns or Effoign-days. $\quad$ Exc. $\mid$ Ret. $\mid$ Ap. $\mid$ W. D. In eight days of St. Hilary,
From the day of St. Hilary in 15 days,

On the morrow of the Purif. Bleffed Ma
$27 \mid 2$
In cight days of the Purif. of Bleffed Mary,
Eafter-Term begins Mizy 9, ends foune 4.
From the day of Eafer in 15 days,
From the day of Eafter in 3 wecks,
From the day of Eafter in 1 month,
From the day of Eafter in 5 weeks,
On the morrew of the Afcenfion,

| May | 6 | 7 | 8 | 9 |
| ---: | ---: | ---: | ---: | :--- |
| 13 | Wedn. |  |  |  |
| $\mathbf{1} 4$ | 15 | 15 | Wedn. |  |
| 20 | $\mathbf{2 1}$ | $\mathbf{2 2}$ | 23 | Wedn. |
| 27 | 28 | 29 | 30 | Wedn. |
| Fine |  | 2 | 3 | 4 |

Trinity-Term begins $\mathcal{F}_{\text {une }}$ 22, ends $\mathcal{F}$ aly 11 .
On the morrow of the holy Trinity,
In eight days of the holy Trinity,

Michaelmas-Term begins Nov. 6, ends Nov. 28, but four Returns.
On the morrow of All Sculs,
On the morrow of St. Martin,
In eight days of St. Martin,
In 15 days of St. Mitrtin,

| Nov. 3 |  |  |  | 6 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12 | ${ }^{1} 3$ | 14 |  |  |  |
| 38 | 19 | 20 |  |  |  |
| 25 | 26 | 27 |  |  |  |

N. $B$. No Sittings in Wgiminfer-Hall on Afcenfion-day, Midfummerday, and the 2d of February.
The Auscbequar opens eight Days before any Term begins, except Trinity, before which it opens but four Days.
Note, That the firft and laft Days of every Term, are the firft and laft

## WI NG 1753.

## The Regal Table.

The Year, Month, and Day, Length of |Number of Years when each King and Queen each Reign, expired fince they began to Reign, accounting the Year to begin Jan. 1.
耳ing Na Nestocgan to reigu William I. 1060 Oct. 14 William II. 1087 Sept. 9 Henry I. Stephen Henry II. Richard I. John
Wenry III Edward I. Edward II. 1307 July 7 Edward III. Richard II.
Henry IV.
Henry V.
Henry VI.
Edward IV.
Edward V.
Richard III.
Henry VII.
Henry VIII.
Edward VI.
Q. Mary I.
Q. Elizabeth James I.
Charles I.
Charles II. James II.
Will. 3. \& M Q. Anne George I. George II.

1100 Aug. 1
1135 Dec. 22
1154 Oct. 25
1189
1199 July 6
1216 Oet. 6
19
accountin. 28 began to Reign.
D. a Month.

| Y. | M. D. | - |  |
| :---: | :---: | :---: | :---: |
| 20 | 11122 | 587 William | 1 |
| 12 | 11818 | 666 William |  |
|  | 4126 | 652 Henry | 1 |
|  | 1119 | 618 jtephen |  |
| 34 | $9 \quad 25$ | 599 Henry | 2 |
|  | 922 | Richard |  |

$\begin{array}{lll}7 & 9 & 22\end{array}$
$\begin{array}{lll}56 & 7 & 1 \\ 5 & 1\end{array}$ 5 34
$\begin{array}{ll}19 & 7 \\ 5 & 6\end{array}$

|  | $5^{\circ}$ |  |  |
| :---: | :---: | :---: | :---: |
| 1377 Jun | 22 | 16376 |  |
| 1399 Sept. 29 | 13 | 4354 |  |
| 1413 Mar. 2 C | 95 | 24340 |  |
| 1422 Aug. 31 | $3^{8}$ | 17331 |  |
| 1461 Mar. | 22 | 8292 | Edward |
| 1483 April 9 | $\bigcirc 2$ | $182^{27} 0$ | E |
| 1483 June | 22 | 5270 | Richa |
| 1485 Aug | 23 | 19268 | Henr |
| 1509 Apr. 22 | 37 | 124 | Henry |
| 1547 Jan. 28 | 65 | 1920 | Edward |
| 1553 July | 54 | 22.20 | ary |
| 1558 Nov. 17 | 44 | 15195 | Elizab |
| 1603 Mar. $2_{4}$ | 220 | 3150 | mes |
| 1625 Mar 27 | 23 | $1{ }^{1} 28$ | Charles |
| 1649 Jan. 30 | 36 | 7104 | Charles |
| 1685 Feb. | 40 | 17 cis | James |
| 1689 Feb | 13 |  | Willitm |
| 1702 Mar | . | $65^{1}$ | Anne |
| - | 1211 | 6) 3 | George |
|  |  |  |  |

A Table of the Moon's Southing of excellent Ufe to find
the Time of High-Water, and Hour of the Night, for the the Time of High-Water, and Year 1753.
firft fix Months of this prefent


Note, The Moon, or any Star, is faid to be South, when they appear in that Quarter of the Firmament in which the Sun is at Noon-day, which for the Moon this Table will direet

A Table of the Moon's Southing, of excellent Uie to find the Time of High.Water, and Hour of the Night, for the laft fix Months of the prefent Year 1753.

|  | July | Auguft | Sept. | Oftob |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\infty$ | h. m. |  |  |  |  | h. |
|  | OA 25 |  |  |  | I 5 | 18 |
| 2 | 24 | 51 | 415 | 51 |  |  |
| 3 | 22 | 4.3 | 57 | 42 | $6 \quad 45$ |  |
| 4 | $\begin{array}{ll}3 & 17\end{array}$ | 34 | 5 | 30 |  |  |
| 5 | 4 10 | 25 | 650 | 17 |  |  |
| 6 | 5 | 16 | 38 | $8 \quad 2$ | 855 |  |
| 7 | 5 | $7 \quad 7$ | 26 | 46 | 38 |  |
| 8 | 6 40 | 57 | 12 | 30 | $10 \quad 22$ | $10 \quad 32$ |
| 9 | 30 | 46 | 57 | 1013 | 11 II | $11 \quad 27$ |
| 10 | $8 \quad 20$ | $9 \quad 34$ | $10 \quad 42$ | $10 \quad 57$ | Mora. | Morn |
| 11 | 910 | 1022 | 1125 | 1142 |  | - 23 |
| 12 | 10 | 118 | Morn. | Morn | 53 | 20 |
| 13 | $10 \quad 50$ | $11 \quad 51$ | - 9 | 28 |  | 218 |
| 14 | $\begin{array}{ll}\text { II } & 37\end{array}$ | Morn. | 50 | 134 | 43 |  |
| 15 | Morn. | 35 | 36 |  | 40 |  |
| 16 | - 23 | 17 | 22 | 57 | 435 |  |
| 17 | 17 | - |  | 53 |  |  |
| 18 | 51 | 244 |  | 448 | $6 \quad 22$ |  |
| 19 | 34 | $3 \quad 30$ |  | 42 |  |  |
| $20$ | 316 | 4 | $5 \quad 50$ | 39 |  |  |
| $2 I$ | 40 | 55 | 6 67 |  |  |  |
| 22 | 444 | 56 | $7 \quad 43$ |  |  | 10 |
| 23 | $5 \quad 29$ | 6 | 840 | 921 | 1041 | $105^{8}$ |
| 24 | $\begin{array}{ll}6 & 17\end{array}$ | $7 \quad 48$ | 936 | $10 \quad 15$ | 1135 | 1150 |
| 25 | 78 | 848 | 1032 | 11 | 0.430 | 0141 |
| 26 | 8 | 947 | II 27 | - A |  | 130 |
| 27 | 9 | 1046 | 0.423 | - 58 |  |  |
| 28 | 10 | 1143 | 18 | 52 |  |  |
| 29 | 11 | -A 42 | 212 | 245 | 350 |  |
| - | -A 3 | 38 |  | $3 \quad 37$ |  |  |
|  | - | 32 |  | $4 \quad 27$ |  |  |

## W I N G 1753.

The Ufe of the preccding P A B L E of the Moon's Southing, to find the Time of High-Water, and Hour of the Night.

## 1. To find the Time of High-Water in mon Ports of E N GLAND.

Take the Time of the Moon's Southing for the Day pro pofed, and to that add the Hours and Minutes which flanc againt the Place required in the following Table of Sea Coats, and the Sum will be the Time of High-Water at th. Place required on that Day.

ATABLE of the Eca-Cosfs

H. M.

Port/mouth, Qusenborough, Soutbampton, Rochefier, Wincbelfea, Flufling,
Downs, Gravefend, Ramkins, Guernfey, Denbigh, Bell-Ifle, Holy-Ife, Downs-Road, London, Tinmouth, Whitoy, Hartlepool, Scarborough, Berwick, FlujBings, Staples, Flamborough, Humber, Bridlington-Bay, Plymouth, Ramfey, Newcafile, Severn, Lynn, Fofajke, Hull, Weymouth, Dartmouth, Crofs-keys, 6 oo Boffon, Start-Point, Foulnefs, Brifol-Key, 645 Bridgrater, Milford-Haven, Lizard, Wintertown, 730 Tarmouth, Ife of White, the Necdles, Ihe of Man, Orkney, Pool, Soutb-Foreland, Dover, Harwich, Orfordnefs, Bullein, Rye, Solebay, Margate-Road,

## II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls precifely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Cafes,
2. If the Shadow wants of 12 , fee how much it wants of it; which 'Time, fubtracted from that of the Moon's Southing, leaves the Time of Night. Note, You mult add 12 Hours io the Moon's Southing, if need be.
3. If the Shadow has paft 12, add the Time that it has palt it to the Time of the Moon's Southing; the Sum will te the Time of Night required; abating 12 Hours from that Sam, if need be.

## The Kalendar explain'd,

## The Lefthand Pages contain at Top

The New and Full Moons with their Quarters; alfo the Rifing, Southing, and Se sing of Jupiter to every fifth Day.

## Be'ow which are feven Columns.

The firt is the Days of the Month. The fecond the Days of the Week, Sundays being marked with the Dominical Letters for the Year ; the other Days after the Month of Augu/t are noted by their firft Letters.

The third Column contains the Fafts and Fenivals of the Church of England, and other remarkable Days, as allo the Hour and Minute of the Sun's Rifing and Setting on certain Days, with other ufeful Particulars.

The fourth is the Nightly Rifing and Setting of the Moons
The fifth contains the Moon's true Place in Longitude, exactly Calculated from New and Correct Tables.

The fixth contains the Moon's true Declination for every Day at Noon in the Meridian of London.

The feventh contains the Times when the Moon is in Apogee and Perigee, as allo the Planets Mutual Afpects and Variation of the Air.

## On the Tops of the Right-hand Fages

Are nine Columns, containing the true Longitude and De: clination of Saturn, Jupiter, Mars, and Venus, to evety 5 th Day of the Month.

## Below which

Are four other Columns. The firt is the Days of the Month. The fecond Column contains the Sun's true Place.
The third is the Sun's Declination.
The fourth Column under Obfervations, you have the Rifing, Southing, and Setting of Saturn, Mars, Fenus, and Mercury to certain Days; alfo the Moon's Appulie to fome noted tixed Stars, and Planets, with many other ufeful Remarks.

Note. You have the Longitude and Declination of Morsure in the Page after December.




## February $1753^{\circ}$

New Micon the 3 d day，at 10 in the morn． Firlt Quarter the Isth day，at 5 in the morn． Jull Moon the $17^{\text {th }}$ day，at 9 at night．
Laft Quarter the 24th day，at 11 at night． $\mid 26$

|  |  | $\begin{aligned} & \text { Vinoly Days } \\ & \text { Oorifes \& \&ers } \end{aligned}$ | Moon rifes． | Moon ${ }^{2}$ Place． | $\begin{array}{\|c} \text { Moon's } \\ \text { Declin. } \end{array}$ | A＇peils and Weather． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | d |  | $5 \mathrm{M}_{5}$ | 2 Vf1 | $\overline{16556}$ |  |
|  | 2 | Puif．V．M． | 626 |  | 1426 | Snow，or cold |
|  |  | Blaze Bp． | fets． | $16 \%$ | $11 \begin{array}{ll}17\end{array}$ | Rain． |
|  |  | 5Safigipl | $6 \pm 38$ |  | $\begin{array}{ll}7 & 32\end{array}$ |  |
|  |  | Sun rife 728 | 725 | 10 ¢11 | 3 |  |
|  |  | Sun fet 434 | 830 | $22{ }^{17}$ | －${ }^{20}$ | ठ 5 ${ }^{\text {c }}$ |
|  | 7 W | Day br． 520 | 939 | $4 r^{4}$ | $\begin{array}{ll} 4 & 32 \\ 8 & 33 \end{array}$ |  |
|  | 9 F |  | 1153 | －४ 4 | $\left\|\begin{array}{cc} 0 & 33 \\ 12 & 17 \end{array}\right\|$ | 口ち？ |
|  | S S | Sun rife 7：8 | Morn． |  | $15 \quad 26$ | Weather． |
|  | 1 G | ES．aft．Epip | $i 6$ | $26^{29}$ | $17 \quad 56$ |  |
|  | 2 M | Termends． | 214 | 10 II 14 | 19 13 | $\square 49$ |
|  | 5 | Sun fet $44^{8}$ | 321 | 2419 | 1947 | $\square 0^{\circ}$ ？ |
|  |  | Valentine | 411 | $85.4{ }^{\text {b }}$ | $18 \quad 49$ |  |
|  | ［ |  | 455 | 23 | $15 \quad 36$ |  |
|  |  | Cl．faft 15 m | 535 | $8 \Omega 56$ | 13 10 |  |
|  | S |  | $)$ rifes． | 245 | $8 \quad 56$ |  |
|  | G | Septuagefim． | 6 A 26 | 9 M 5 | 4 | Mild Weather for |
|  | N | Sun rie 71 | 746 | 2343 | OS 47 | the Time of the |
|  | T | Sun fet 51 | 95 | $7 \approx 58$ | 533 | Year． |
|  | W |  | 1021 | $21 \quad 52$ | 9 | ＊（9） |
|  | 管 | Day br． $44^{8}$ | 1134 | 5 Ml 2 | 13 35 |  |
|  | F |  | Morn． | $18 \quad 10$ | 1626 |  |
|  |  | St．Matthias | － 37 | － 146 | $18 \quad 2$ ？ | $\triangle \bigcirc 4$ |
|  | G | Sexagefima | $1{ }^{-1}$ |  | ＇9 30 |  |
|  | M | Sun rife 647 | 233 | 25 | $19 \quad 39$ | Fair and fettled． |
|  |  | Sun fet 515 | $3 \quad 19$ | 7 V90 2 |  |  |
|  | W |  | 4 | $8 \quad 54$ | 1715 | ＊ 8 |



## March $1753^{\circ}$

New Moonthe fth day，at 3 in the morn． Firth Quarter the 12 th day，at 3 in the after． Full Moon the 19th day，at 7 in the morn． Lat Quarter the 26th day，at 6 in the after



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in h Cl．fall 1 mm ． Sun rife 62 Sou ${ }^{3}$ S．in Lent
ニー－゙ーーーー－－NNNNNNNNNMM



## April $\pm 753^{\circ}$

New Noonthe hd day, at 7 at night. First Quarter the roth day, at 10 at night. Full Moon the 17 th day, at 6 in the after. Lat Quarter the 25 th day, at 1 in the after. ${ }_{2}$


$$
\begin{array}{ll|l|}
26 & 10 \times 51 & 3 \\
4228 & 28 & 68 \\
4 &
\end{array}
$$

$$
443 * 94
$$





## June $1753^{\circ}$

## 

New Moon the ift day, at 6 in the aftern Finf Quarter the 8th day, at $g$ in the morn Full Moon the 15 th day, at 8 at night. Laft Quarter the 23d day, at II at night.

| 1 | 2 | $A$ | 55 | $10 A$ |
| :---: | :---: | :---: | :---: | :---: |
| 6 | 2 | 19 | 10 | 32 |
| 11 | 2 | 3 | 10 | 15 |
| 16 | 1 | 46 | 9 | 58 |
| 21 | 1 | 30 | 9 | 42 |
| 26 | 1 | 15 | 9 | 27 |




- ew Moon the Ift day, at I in the morn Firlt Quarter the 7 th day, at 4 in the aftern Full Mogn the $15^{\text {th }}$ day, at 10 in the morn. Laft Quarter the 23d day, at noon. New Morn the 3 coth day, at 8 in the morn. $\left|\begin{array}{lllll}26 & 1 & 1 & 1 & 39 \\ 29\end{array}\right| \begin{array}{lll}3 & M_{37}\end{array}$


Cl. fant 6 m . sun rife 359
Sun fet at 8
D.argaret. ; S.aft. Trina Sun rife 45 Sun fet 753 St. Jamee? Et. Inns. jun rife 413 6 S. aft. 2 ring
Dog cays bed Dog colys beg
inn fet -42

8
9
9
9
10
10
11
11
1
0
0
1
2
3

| 9 | 2 | $0 \Omega$ | $5!$ |
| :--- | :--- | :--- | :--- |
| 9 | 30 | 16 | $C$ |

$\begin{array}{rr}9 & 5 \\ 10 & 2\end{array}$
23
49






## October $1753^{\circ}$

Fint Quarter the $4^{\text {th }}$ day, at 5 in the morn. Fuil Moos the 12 th day, at 9 in the morn. Laft Quarter the 1gth day, at 5 afternoon. New Moon the 26 th day, at 11 in the morn.



| November 1553. |  |  |
| :---: | :---: | :---: |
| Firt garter the 3 d day, at in the morn. Full Moon the roth day, at midnight. er the cay, zt 1 in the morn New Moon the 24th day, at midnight. |  |  |
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| 2 FPrs . O | $11.4{ }^{14} 40314$ |  |
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| ${ }^{\text {b }}$ F Sun fet +26 | 33129 3120 |  |
| 10 S R. Geo.TI.bo: Diffes |  |  |
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|  | ${ }_{10}^{8}$ |  |
| 17 S Suif fet 413 11-22, |  |  |
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| 271 Sunfet 359 |  |  |
| 29.1 fremm enas. | 3818 44 4 | wincs. |
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The Longitude of Mercury and Declination for the Year 1753.

| Days | Janua | Febra | I |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 274919 | 17 V゚20 | 25 mim 28 | $24 \mathrm{r}^{2}$ | 18 ¢ 14 | 4178 c |
| 4 |  |  | 0ㅊ29 | －y | 1630 | 620 |
| 7 |  | $23 \quad 53$ | 39 |  | 1446 | 623 3c |
| 10 | 1928 | $27 \quad 33$ | 11 | 9 | 1310 | $027 \quad 33$ |
| 13 | 15 | 1 mm 26 | $16 \quad 33$ | 13 | 11 | 2 II 7 |
| 16 | $12 \quad 51$ | $5 \quad 33$ | $22 \quad 13$ | 16 | 10 | $6 \quad 5^{8}$ |
| 19 | 1 II 24 | 9 | 28 | 18 | 10 | $12 \quad 11$ |
| 22 | 1113 | 14 | $4 r$ | 19 43 | 10 | 417 |
| 25 | 12 | 19 | 1016 | 20 | 912 | $24 \quad 5$ |
| 28 | ${ }^{3} \text { July }$ | $\begin{gathered} 23 \\ A u g \\ \hline \end{gathered}$ | $\begin{array}{lll} 16 & 23 \\ 2 & \text { Segt } \end{array}$ | $1903$ | $13 \quad 46$ | $0$ |
| 1 | 750 |  | 923 衣 5.7 | 22 儌 23 | 14 m 2 | 2913 |
| 4 | $13 \quad 35$ |  |  |  |  | 2 บึ5 |
| 7 |  | 1 | 5：19 | $2 \bumpeq 28$ | 23 | 615 |
| 10 | 2614 |  | 1531 | 7 |  | $9 \quad 5$ |
| 13 | $2 \Omega 19$ |  | $3{ }^{1} 3$ |  | 2154 | 10 |
| 16 |  | ：0 | $1{ }^{11} 50$ | 18 | 726 | 1124 |
| 19 | 1340 | 2 | 8118 | 23 | 1156 | 61013 |
| 22 | 18 5 | $: 426$ | 612 30 | 28 | \％ 16 | $7 \quad 22$ |
| 25 | 23 | 25 | 1484 | 3 m | $520 \quad 45$ | $3 \quad 24$ |
| 28 | 28 | $\underline{25} 12$ | 51.818 |  |  | O29 129 |

The Declination of Mercury to every Fifth Day．

| Days |  | 6 |  |  |  | 16 |  | 21 |  | 26 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tamary | 20 S $1 4 \longdiv { 1 9 }$ |  | 1919 | 12 | 19 | 28 | 8819 |  |  |  |
| February | 2152821 |  | 2821 |  | 20 |  |  | 83 |  | 34 |
| March | 15 S 412 |  | 68 | 38 | 4 | 41 | 4 |  | 37.4 |  |
| April | 10Nirlt |  | 1417 | 23 | 19 |  | 28 | 01 | 1720 |  |
| May | 13N2S16 |  | 1814 | 22 |  |  | 9 |  | 4812 | 6 |
| June | $\left.{ }_{13} \mathrm{~N}_{2}\right\}_{16} 16$ |  | 1017 | 31 | 19 |  |  |  | 4223 | 43 |
| uly | $24 \mathrm{~N}_{25} 2^{3}$ |  | 5422 | 18 | 19 | 5 | 5817 |  | 313 | 57 |
| Auguft | 10 N 96 |  | 564 |  |  |  | 220 |  |  | 47 |
| September | IS 370 |  | 183 | 20 | 6 |  |  | 72 |  | 43 |
| Qetober | $4 \mathrm{~N}_{3}{ }^{8}{ }^{1}$ |  | 252 |  | 8 |  | 48 |  | 2912 | 52 |
| November | $16 \quad 3319$ |  | 1421 | 31 | 12 |  | $25: 4$ | ：4 4 | 46.25 | 34 |
| Decemb | $25 \quad 5125$ |  | 2） 25 |  |  |  |  |  | $6 / 20$ | 42 |

## W I N G.

A
PROGNOSTICATION,

## For the Year of our LORD GOD, 1753.

An Explanation of the Characters made ufe of in this Almanack.

The Seven Planets and Five Afpects.
$\hbar_{2}$ Saturn
$\psi$ Jupiter
\% Mars
© The Sun
9 Venus
Y Mercury
© The Moon
$\overbrace{0}^{\text {Appects. }}$ * Conjunction

Sextile
Square
Trine
Oppofition

The Twelve Signs.
$\checkmark$ Ariés
$\succ$ Taurus
II Gemini
\% Cancer
ภ气 Leo
re Virgo
$\bumpeq$ Libra
"L Scorpio
I Sagittary
ฟ Capricorn
$\underset{\sim}{m}$ Aquaxius
) Pifces

Lands furveyed, divided and inclofed, and Maps of the fame correctly delineated. Alfo Timber and Pole Wood furveyed, valued and fold by Vincent Wing of Pickworth, in the County of Rutland.

## Wing 1753.

I. A Compendious Chronology of Memorable Things fince the Creation to this prefent Year.

| A.P. | before 1 Chrift. |  | rears fince. |
| :---: | :---: | :---: | :---: |
|  | 4004 | The Creation of the World | 575 |
| 1766 | 2948 | Noab born | 470 |
| 2366 | 2348 | Noab's Flood began | 410 |
| 2481 | 2233 | The Babylonias Monarchy eftablinied | 3986 |
| 2718 | 1996 | Abrabam born | 37 |
| 2986 | - 728 | 70 oph fold into Esypt | 34 |
| 3143 | 1591 | Mofes born | 33 |
| 3223 | 1491 | The Ifraelites Departure out of Egypt | 32 |
| 3530 | 1184 | Troy taken and deftroyed by the G | 2937 |
| 3710 | 1004 | Solomon's Temple buile and dedic | 2757 |
| 4126 | 588 | ferufalem and the Temple deftroye | $234{ }^{\prime}$ |
| 4176 | 538 | Daniel delivered from the Den of Lions | 220 |
| 4198 | 516 | The Temple of 7 erufalem rebuit |  |
| 4391 | 323 | The Death of Alexander the Great | 209 |
| 4710 | 4 | The true Year of Chri/t's Birth | 1757 |
| 4714 | $\bigcirc$ | The vulgar Year of Chrifis Birt | 1753 |
| A.D. |  |  |  |
| 33 | The Paffion and Refurrection of 7efus Chrift |  | 0 |
| 70 | Ferufalem and the Temple deftroyed by Titus |  | 682 |
| 100 | Sr. Fohn, the laft of the Apofles, dies Dec. 20. |  | 1653 |
| 313 | Chriftianity triumphs under Conjiantine Augufulus the laft Roman Emperor depofed |  | 1440 |
| 476 |  |  | 1277 |
| 606 | The wicked Phocas makes Pope Boniface Head of the Church . |  | 1147 |
| 608 | Mahomet broaches his Impofture at Mecoa |  | 1145 |
| 872 | Italy and Rome plundered by the Saracens |  | 881 |
| 1012 | Swain King of Denmark conquers England William Duke of Normandy conquers England |  | 1 |
| 1066 |  |  | 687 |
| 1110 | Arts and Sciences taught in Cambridge |  | 641 |
| 119 | The firt War between the French and Englifh |  | 634 |
| 1300 | The Mariners Compafs invenied |  | 53 |
| 1330 | The Canaries difcovered by an Englifh Ship |  | 423 |
| 1380 | Gunpowder and the Ufe of Guns firft tound out |  | 373 |
| 1453 | Confia | aninople taken from the Chrifians | - |

## Wing 1753.

A.D.

1463
1500
1517
1536
1588
1603
$160+$
1605
1613
1613
1625
1625
$16+1$
1643
$16+9$
1560.

1665
1066
1672
1674
1675
1680
$168+$
1655
1685
1688
1688
168:
1692
$169^{8}$
1702
1702
1703
1704
1727
1709

The Parfians conquered by Tamerlane Rome plundered by the Duke of Bourbon Martin Luther firft difputed againit Popery England feparated from the Church of Rome The Spani/h Armado defeated by the Englifh Q. Eliz. dies, Mar. 24 and K. James I. began Died of the Plague in Lond. in 2 Years 68,596 Gunpowder Treafon, Nov. 5.
The New River Water brought eo London The excellent Sir Walter Raleigh beheaded K. Fames I. died. K. Charles I. began, Mar. 27. 35,417 Perfons died of the Plague in London The cruel Iríh Maffacre began, October 23. Burleigh house formed by Cromvel, fuly 24. K. Charles I. harbaroufly murdered, fan. 30. $K$ King Charles II. reftored, Niay 29.
68,5 S6 Perforis died of the Plague in Londen London burnt, and a great Sea-Fight with the Dutch
War declared againft the Dutch, March 17. A great Snow for 1 I Days togerher The Town of Northampton burnt, sept. 3. A great and fplendid Comet appeared The great Froft that neld 13 Weeks K. Cha.II. died, Feb 6. and K. Janses II began The Duke of Mormouth beheadod, 7 uly $15 \cdot$ Seven Bifhops fent to the Tower. Fune 8. King James II. abdicared, December 12 . K. William and Q Mary crown'd, April 11. The French Fleet intirely defeated by the Englifs
Whiteball Pa ace intirely deftroyed by Fire, excep- the Banquetting-Houfe
K. William dies, March 8, and Q Anne bigan Q Anne proclaimed Waragainft France, May 4 . A great and terrible Wind, Nov. 26, and 27. Gibraltar taken by the Englijh England and Scotland united, May I. Sacheverel preached his feditiousSermon, Nov.5.

Leaps
fince. 290 251 $-236$ 217 165 150 149 148
140
135
128
128
112
110 104 93 88

87 81 79 78 73 69 68 68

## Wing 1753.

| 1710 | Riots and grear Difturbances in England |
| :---: | :---: |
| 1714 | Q. Anne died, Aug. I. and I. George I. hegan |
| 1715 | A famous Total Eclipfe of the © in England, April 22. in the Morning |
| 1715 | A Rebellion in Scotl. and Lancaßhire fuppreffed |
| 1716 | A great Froft in the Beginning of this Year |
| 1718 | The spani/h Fleet deftroyed by Admisal Byng, near Syracule, 7uly 3 I . |
| 1719 | A furprizing Meteor feen, March 19, at 8 at Night |
|  | Mr. Flamfead, a célebrated Aftronomer, died December 31. |
| 1727 | The incomparable Sir If. Newt on died Mar. 20. |
| 1727 | K. George I. died, 7 une II, and K. George II. began |
| 1734 | The Prince and Princefs of Orange married, March 14. <br> The Battle of the Breeches in Italy, Sept. 4. |
| 1736 | The Pr. and Princefs of Wales married, Ap.27. |
| 1739 | Letters of Marque publifhed in London againft the Spaniards, $\mathfrak{F} u l y: 6$. |
| 1739 | War declared by Great Britain againft Spain, Ociober 23. |
| 1739 | Porto-Rello raken and deftroyed by Admiral Verison, Nou. 22. |
| 1740 | A very fevere Frot from Dec. 25. to Feb. 27. |
| 1742 | A Comet appeared from Feb. IS. to Mar. 14 A Conjunction of $万$ and 4 Aug. 18. in $\Omega$ |
| 1743 | A fplendid Comet appeared from Decemb. 23. to February 18. in $\gamma$. |
| 1744 | March 4. France declared War againft England and March 31. England declared War againft France. |
|  | Cape Breton taken from the French, Gune 16. |
| 1746 | The Scotch Highland Rebels defeased by his Royal.Highnefs the Duke of Cumberland, at Culloden, near Inverne/s, April 16. |
| 1748 | A General Peace, figned Ocziob. 7. |

## Wing. 1753.

II. Of the Luminarian Eclipfes, and other Aftronomical Appearances this Year 1753.

THERE will be two Eclipfes of the Sun and two of the Moon, within the Limits of this Year, and but one feach fort will be vifible in there laris of the World.

1. The firft is a vifib'e Eclipfe of the Moon on Tuefday, 4pril the 17th, the Beginning of this Eclipfe cannot be feen 1 Lordon, the Moon being then under the Horizon; but at 6 Minutes after 6 in the Evening the will rife eclipfed, and ontinue till 46 Min . after 7, the whole Duration of this clipfe being 2 Hours 25 Min. and 5 Digits of the Moon's ody will be obfcured by the Interpofition of the Earth's hadow, at the firft Appearance of the Eclipfe.
2. The fecond is an invifible Eclipfe of the Sun, May the 1 , about $S$ in the Morning.
3. The third is an invifible Eclipfe of the Moon, Offober : 12 th, about 9 in the Morning.
4. The fourth and la is a vifible Eclipfe of the Sun, on burfday she 2Gth Day of October,
$\left.\begin{array}{lll} & \text { H. M. } \\ \text { Beginning at } & 8 & 29 \\ \text { Middle } & 9 & 34 \\ \text { Ends } & 10 & 53\end{array}\right\}$ Morn.

The total Continuance of this Eclipfe being 2 Hours 24 inutes, and at the greateft Obfcuration is darkened 8 Digits Minutes.

I Thall forbear to give any Aftrological Judgment on the fects of thefe Ecliples, which fome of my Readers may obably expect, but fince Aftrology has certainly loft much that Credit it formaily had, and no doubt deferved, (when ctifed by Perfons of Skill and Judgmen-) by the many C 3
vain

## Wing 1753.

yain Pretenders to that Art, who have impofed their falfe. Predictions on the World, as grounded on the Rules of Af. trology, by which that antient and much effeemed Art, in this Age, fuffers a great Eclipfe itfelt, I hall therefore proceed to give the Times, when fome of the moft remarkable Atronomical Appearances will happen in the, Cou fe of this Year, which if carefully obferved wiil be of grear Bencfit to the World, and worthy the Trouble of the Casious in this. fublime Science.

## Other Cœleftial Appearances.

5. On Thurfday the 11 h of fanuary, the Star $\delta \forall$ is covered by the Moon about 6 in the Erening, and continues hid cill about 50 Min . after 6.
6. On Monday the 1 sth of Fanisary, the Bull's North Eye, being a Star of the 3 d Magnitude marked in Bayer's Catalogue, $\varepsilon \mathcal{O}$ immerges behind the Moun at 52 Min. after 5 in the Evening, and at $5^{8} \mathrm{Min}$. after 6 it emerges, being covered 1 Hour 6 Min.
7. On the 20th of April, the $>$ eclipfes $\beta$ " 1 about 4 in the Morning, and continues till abour balt an Hour after 5 .
8. On the 25 th of April, $\beta y_{0}$ will be immerged behind the Moon about a Quarter after 2 in the Morning and will emerge about a Quarter after 3.
9. On Tuedday the 21 it of Auguf, the Planer Mars is eclipfed by the Moon; the Immerfion begins about 3 Quarters affer 5 in the Morning, and continues eclipfed ill near a Quarter after 7 , at which Time the Planet emerges from behipd the Moon.
10. On Saturday the 1 sth Day of September, the two glorious Planets Iupiter and Venus being in Conjunction, tife nearly

## Wing <br> 1753.

zether about half an Hour after one in the Marning, Tupiter ling the highert Star at that Time,
11. On the 5 th of Ottober, at 36 Min . after 8 in the Eveng the fixed Star $\beta$ Yo immerges again behind the Moon, d emerges about so Min. afier 9 ; the Occultation conluing about I Hour and a Quarter.
12. On Thurfday the 15 th of November at 2 Min. after 3 the Morning, the Mooo covers a fixed S:ar marked $\lambda$ II, dit emerges at 17 Min . after 4 , after having been eclipfed Hour and a Quarter.

The Planet Venus is Occidental and an Evening. Star till the h Diy of $\mathcal{Y}$ une, when it becomes Oriental, and fhines in the orning to the End of the Year.

Fupiter is Occidentsi and an Evening Star till the 1 gth Day of ily, when it is in Conjanction with the Sun, and becomes riental and a Morning Star.

## III. Of the Eclipfes of 'Jupiter's Satellites.

The great Ufe of thefe Eclipfes in difcovering the Gecaphical Longitude or Difference of Meridians of Piaces, by ferving the Tinses, of their Immerfions and Emerfions, d comparing them with the Meridian they are computed $r$, above any other Method. I fhall therefore, briefly plain the Appearance and Ufe of thofe Eclipfes.
Galilio on the Sth of Fanuary 1610 , at one in the Morng , difcovered round $\mathcal{F}$ upiter four little Moons or Stars,
${ }^{C} 4$ that

## Wing 1 1553.

that revolve about him periodically, as the Moon does a: bout the Earth, and which he called the Afira Medicea, and we the Satellites of $\mathscr{F}$ upiter. The firft or that neareft to him, performs its Revolution in 1 Day 18 Hours and 29 Min. The fecond in 3 Days 13 Hours, 18 Min . The third which is the greateft, in 7 Days 3 Hours 4 Min.. The fourth in 16 Days is Hours and 9 Min. Thefe Satellites when they enter the Shadow of fupiter (iike the Moon when the enters the Earth's Shadow, being opake and borrow their Light from the Sun) they are eclipled. The three firft caufe their Eclipfes in each Revolution; firf, when the Satellite enters the Disk of 7 upiter; fecondly, when the Shadow of the Satellite darkens the Disk of 7 upiter; thirdly, when the fuperior Part of Jupiter bides the Satellite; and fourthly, when the Satelliteै is immerfed in 'fupiter's Shadow; therefore the filf Satellite caufes Eclipfes within 7 Days, the fecord eight, the third four; and altogether twenty-eighr. The firt Satellite when arrived at the Node caufes four Eclipfes within 17 Diys, To this it may be added, that one of thefe Satellites fometimes ecliples another, where their Phafis muft be diff rent, nay frequently oppofite to that of the Satellite falling into ths Shadow of $\mathcal{F}$ upiter, juft mentioned; for in this the Eaftern Limb immergesfift, and the Weftern immerges laft; but it the other it is juft the reverfe. When the Satellite meets thi Shadow and Disk of 7 upiter, and begins to difappear, wi call that the Time of the Immerfion; and the Moment th Satellite leaves the Shadow and Disk of fupiter, we call tha the Time of the Emerfion. In the following Table of th vifible Eclipfes of $\mathcal{F}$ upiter's four Satellites, the Times $\theta$ the Immerfions are marked I. and the Emerfinn E.

## Wing 1753.

IV. A Catalogue of the vifible Eclipfes of $7 u$ piter's Four Satellites for the Year 1753.

Fanuary. D. H. M. $\begin{array}{ccc}3 & 8 & 49 \\ 3 & 14 & 54 \\ 5 & 9 & 22 \\ 8 & 4 & 50 \\ 10 & 11 & 23 \\ 10 & 16 & 46 \\ 12 & 11 & 14 \\ 14 & 5 & 43 \\ 15 & 8 & 47 \\ 17 & 1 & 57 \\ 19 & 13 & 7 \\ 22 & 12 & 43 \\ 24 & 16 & 31 \\ 28 & 5 & 49 \\ 28 & 9 & 29 \\ 29 & 16 & 38 \\ \text { Februn }\end{array}$

| 2 | 16 | 52 | 1 | E |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 8 | 23 | 2 | E |
| 4 | 11 | 21 | 1 | E |
| 6 | 5 | 49 | 1 | E |
| 11 | 11 | 0 | 2 | E |
| 11 | 13 | 16 | 1 | E |
| 13 | 7 | 45 | 1 | E |
| 14 | 12 | 43 | 4 | 1 |
| 14 | 16 | 0 | 4 | E |
| 18 | 13 | 37 | 2 | E |
| 18 | 15 | 12 | 1 | E |
| 20 | 9 | 41 | 1 | E |
| 27 | 5 | 26 | 3 | 1 |
| 27 | 8 | 37 | 3 | E |
| 27 | 11 | 37 | 1 | E |
| March. |  |  |  |  |
| 1 | 6 | 6 | 1 | E |
| 3 | 6 | 39 | 4 | E |
| 3 | 10 | 23 | 4 | E |
| 6 | 9 | 27 | 3 | 1 |


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## Wing 1753.

| December | ¢ |  |  | De |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| D. H. M. | \% | D. H. M. | इ | D H. M |  |
| 31711 | 31 | $1713: 1$ | 1 | 281926 | I |
| 71355 | 1 I | 2117 35 | 11 | 291850 | I |
| 101040 | 2 I | $\begin{array}{llll}23 & 12 & 3\end{array}$ | - I | 301353 | 1 I |
| 14.1545 | 11 | 24 is 43 | 2 I | 311814 | 2 I |
| 161013 | 1-1 |  |  |  |  |

By carefully oblerving thefe Immerfions and Emerfions of 'fupiter's Satellites, the Longitude at Sea, or Difference of the Meridian of the Place you are at, and the Place the Ecliples are calculated for, may be exactly difcovered: And is the molt correct and practical Method ever hit upon, notwithfanding the many whimfical and fome ingenious Ways invented for that Purpofe, by feveral who have fpent much Time and Labour, in Hopes of gaining the great Rewatd of twenty-thoufand Pounds, offered by Parliament for a practical Method of folving that grand Problem with Certainty, but without Effcet, It is alfo much more ealy and correct to find the Difference of Meridians by this Method, than by the Eclipfes of the Moon, not only on Account of their more frequent happening, but becaufe the Motion and Times of thefe Immerfions and Emerfions are more eailly obecrved, than that of the Moon; becaure the Time of the Moon's ente ing the Shadow of the Earth is not eafily diftinguiftied from that of the Penumbra.

Example, to illafirate the Ufe of thefe Eclipfes.
Suppofe a Ship ar Sea on the -18th of ipril, this prefent Year 1753, and the Emerffon of 7upiter's firft Satellite be obfeived by a gond Tellefcope to be there, at 8 H .15 Min. by this Cu alogue the Emerfion of that Eclipfe happens ar London, April the 18 th Day 40 min . after 9, whence the Diff rence of Meridians between London and the Place of Obfer vation is I Hour ${ }_{25} \mathrm{Min}$. and fo much is that Place Weft of the Mei idian of London, which Time convert d into Degrees of che Equator gives the true D firence of Longitude as below. D. H. M.

Emerfion at London, April
The Place of Obfe:varion
Differ nce
Mul iplied by Pe Place of Obfervaion being $\quad-\frac{15}{25^{\prime}}$ Weft of the Meridian of London. IV.
IV. Of Time, its various Sorte, and Equation.

Time of itfelfis nothing, but from Thought Reccives its Rife by labouring Fancy worought
From Thing s conffuererf, whilft we think on fome As prefer, fome as paft. or yet to come.
No Thought can tbiak on Time, that's fill confef, But thinds on Things in Motion, or at Reff. Lucr.

TI M E then, as I fhall here confider it, is the Meafure of Duration of any Thing, taken from the beavenly lotions. As to Duration, i : is evident that it never had a leginning, and mult be whout End: There is an abfolute Jecellity of admitting fome real Being to have been for ver, and confequently Time or Duration muft have been; Fthere were no created Beings actually exilting, yet Time ould not be faid not to exift; for we cannut fuppofe Tine vhen Time was not, therefore Time and Duraition muft be nfinite?
See:ng then, that Time, as far as we can difine it, is no ther than Menfura Motus; we mult look out for a Rule or tandard by which Time may be mof conveniently meafurd. Aftronomers have chiefly fought for thefe Mealures from he Motions of the heavenly Bodies, their conitant and iquase Revolurion, eafily inviting them in it.
The moft confijerable Parts of Time, is diftribuced out o us in Years, Monchs and Days, by the heavenly Motions. 4 A Day, which is the leaft Interval of Time inftitutes by God simfelf, in che firf Creat on of Things, (is what I fhall chiefy fpeak to ar prefent) and is either equal or unequal.
An equal Day is meafured by the equable Revolution of :he Primum Mobile, or more truly, by one entire Revulution af the Earth about irs own Axs and is that Spice of Time whereby the Merid an of any Place departs from a certain Meridian in the Heavens, and returns to the fame again; this is call dan equararial or mean Day, and is the Meafure which Aftronomers make Ufe of to determine the Periods of the heavenly Bodies.

An unequal Day is longer than the equatorial or equal Day by about 4 min . of an Hour, occationed by the proper (apparent) Motion

## Wir: 1753.

Motion of the Sun in its annual Orbir, which in 24 Hours is nearly one Degree of a great Circle; 10 that when the Meridian of any Place on the Earth, that is directly under the Sun, has nade one entire Revolution round the Earth's Axis, it muft revolve nearly one Degree farther to the Eaft, before it can again be directly under the Sun; and this Space of Time is ralled a fo'ar, natural, or apparent Day.

But this apparent or natural Day is not always of the fame Length: I have faid before, that it is longer than the equal Day about 4 min . of an Hour, but that is upon the Suppofition that the Sun always moves neariy i Deg. or more exactly $59^{\prime} 8^{\prime \prime}$ in 24 Hours; bur this $55^{\prime} 8^{\prime \prime}$ is the Sun's mean diurnal Motion, his true diurnal Motion being fomerimes mose, and fometimes lefs, and which eff cts the apparent Day accordingly. There is alfo another Caufe thar affects the Varia ion of this Equality, and that is the oblique Pofition of the Eciptic or Circle of the Sun's annual Motion, to the Equator, or Circle of the Sun's diurnal Motion; fo that a meridian Circle paffing through the Sun, will neceffarily cut the two Carcles at different Diftances from the equinoetial Point, and corifequently the Sun's Place and right Afcenfion will contain liffe ent, Numbers of Degrees, in d fferent Days; and this 'Difference between the Sun's true Place and right Afcenfion, when combined with the former Difference, between the Sun's mean and true Mution, conftitutes the abfolute Equation of Time, as contained in the following Table.

## The Sun, we often fay, can never err,

Yet Watchmakers woill their beft Works prefer,
And say they tr ue and equal Time do carry,
Though Sunand Watch will for the mof Part vary:
For Sun and Watch cars ne'er agree or meet,
But four Days in the Year, and then they greet, April the fifteenth, and jeventee th of June remember, Auguit the thirty-firft, and twenty fourth of December. Thefe are the Days, and none elfe in the Year, When Sun and Watch do the fame Time declare.

Wing 1753.

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Wing 1753.



## The Ufe of the Table of Equation of Time.

If a good Clock or Watch be fer to go with a correct Sun. Dial, on any of the four Days abovementioned, it fould aways (except on the faid four Days) wantor exceed the T:me Shewed by the Dial, fo many Minutes and Sceonds of Time as ftand againt each Day in the Table, which muft be added or fubtracted, to or from the Time flewed by the Dial to reduce it to correct or equal Time, as the Letters A. (for Add) and S. (for SubtraCt) direct.
E X-A MPMES I.

On the 2 If Day of March, by a good Sun-Disl, or meidian Line Iobferve when it is exactly $120^{\circ}$ Cocock (which :s he apparent Time) 1 muft add $-1^{\prime \prime} 23^{\prime \prime}$ to it for the urue Time, which is 12 Hours $7^{\prime} 23^{\prime \prime}$, and that is the Time which a good Clock or Watch mould fhew.

$$
\text { E } X \quad A \quad M \quad P \quad L \quad E \quad I I .
$$

If I would adjuft my Watch or Clock to equal Time, on the if Day of November, I find on that Day at Noon the Equation to be $6^{\prime} 12^{\prime \prime} \mathrm{S}$. and fo much mult be fubtracted fom 12, fur the correct or equal Time to be fhewn by my Clock on that Day, viz. the. $43^{\prime} 18^{\prime \prime}$.
N. B. You muft apply the Equation contrary to the above Directions, when you would reduce equal Time to appaent.

## Wing 1753. <br> V. Of the four Qiarters of the Year.

TH E Sun's Entrance into the four cardinal Points, keing fhewn in the Column of Obfervations in the Calendar, I fall omit repeating them here, and only obferve, ro fatiify the curious Reader, that at the Sun's Entrance into Aries on the 20th Day of March at 31 Minutes patt 10 in the Morning, according to a Figure of the Heavens at that Time, that $60^{\circ}$ of $f$ is culminating $10^{\circ}$ of $\sigma$, on the Oriental Horizon, $\mathbb{K}_{2}$ and $\psi$ being in $0^{\circ}$ from tropical Signs and horizontal Angles the ) in $15^{\circ} \approx$, in the 5 th Houfe, departing from the $\square$ of $\frac{\gamma}{2}$ and 4 , and applying to the $\square$ of d, which Aftrologers fay, denote Difcord, Contentions, Gor. and as the moft potent Planets are all angular, they will enforce their Effects, and it is to be feared great Calamities will attend many Nations, the City of $L-n$ not efcaping.
Great Things approach, fwi/t Time prepares the Way For mighty Works; we Mortals muft obey, Wher the eternal Power $\int p e a k s$ aloud, Kings muft fnbmit, and fo mut all their Crowd, Slowly Fate moves, but certainly will come, As fure as Day before the rifing Sun.

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F I N I S .
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rmination of ture, or unfafon of any but that all or Intcreft
N. B. The Bill makes no Alteration thamy werming, except on the $\Lambda^{\top}$ ominal Days of Dates: For Inflance, the $4^{\text {th }}$ will be the $15^{t h}$, the $5^{\text {th }}$ the 16 th, Eoc.
Berlin, ( the Capital City of Prufia) March 9. N Thurfday laft Sir Charles Hanbury Williams, Britain, was admitted to his Audience of Leave, and delivered his Letters of Revocation. On Friday be took his Leave of the two Queens and the reft of the Royal Family, and Yefterday Morning he fet out on his Return to Drefden, where he is to refide in the fame Quality. The Baron de Koch, who came tre fome Time fince to execute a Commiffiemordience Emprefs Queen of Hungary, had fikewfet out Yefterof Leave of the King the fame $D_{2}$ day for Vienna.

Hamburgh, ( a very, gderable City in Germany.) March 12. The A HIS of the North feem to take a more favourable urn. All the Advices that have been received 0 on that Part of the World give Hopes, that the yIfferences between the refpective owers will be micably determined, but not by a Congrefs, when will take up too much Time.

## $\begin{array}{lllllll}I & R & E & L & A & N & D\end{array}$

Limerick, Fcb. 28. Laft Tuefday Morning, about Two o'Clock, we had the moft Violent Storm of Wind that has been known in the Memory of the oldeft Man here, attended with a high Tide, by which a Dutch Dogger, in one of the Docks at Mardyke, was beat almoft to Pieces; three other Veffels and a Lighter were forced on the Cuftom-houfe Key, and a laden Dogger outward-bound, that lay at the Pool, was run afhore. An Ennis Boat, faid to have 3001. worth of Groceries and other Goods for that Place, and a Turf Boat, were funk at the Key; and all the Shipping and Boats in the Harbour damaged. Many Houfes, Chimneys, and Windows, were blown down; and few or no Houfes efcaped being ftripp'd. At Mardyke, and the Key feveral Feet of Water were in the Cellars, and in thofe in Key-I, ane; and we have melancholy Accounts of the Lofs of Cattle of ilLKIIds? and the Damage done on the Banks and Lu Fiands, on each Side the Shanon.




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