Abernathy bridge over the Usk, confishing of fifteen arches; and feveral trials made about this time, no sensible difference Aberration being a great thoroughfare from the west part of Wales Aberration to Bath, Briftol, Gloucefter, and other places, is well furnished with accommodations for travellers. It is furrounded with a wall, and had once a castle. It is governed by a bailiff, a recorder, and twenty-feven burgesses; has two markets, one on Wednesdays, and the other on Fridays; and carries on a confiderable trade in flannels, which are brought hither for fale from the other parts of the county. Its fairs are on May 14, for lean horned cattle and sheep; on the first Tuesday after Trinity Sunday, for linen and woollen cloth; and on the 25th of September, for flannels, hogs, and horses. It is 142 miles distant from London.
W. Long. 2. 45. Lat. 51. 50.
ABERNETHY (John), an eminent dissenting mi-

nister, was the son of Mr John Abernethy a dissenting minister in Colraine, and was born on the 19th of October 1680. When about nine years of age, he was separated from his parents, his father being obliged to attend fome public affairs in London; and his mother, to shelter herself from the mad fury of the Irish rebels, retiring to Derry, a relation who had him under his care, having no opportunity of conveying him to her, took him with him to Scotland; by which means he escaped the hardships he must have suffered at the siege of Derry, where Mrs Abernethy loft all her other He afterwards studied at the university of Glafgow, till he took the degree of master of arts; and, in 1708, he was chosen minister of a differting congregation at Antrim, where he continued above twenty years. About the time of the Bangorian controverly (for which, fee HOADLY), a diffension arose among his brethren in the ministry at Belfast, on the subject of subscription to the Westminister confession; in which he became a leader on the negative fide, and incurred the cenfure of a general fynod. Being in confequence deferted by the greatest part of his congregation, he accepted an invitation to fettle in Dublin, where his preaching was much admired. He was diftinguished by his candid, free, and generous fentiments; and died of the gout in Dec. 1740, in the fixtieth year of his age. He published a volume of sermons on the Divine Attributes; after his death a fecond volume was published by his friends; and these were succeeded by two other volumes on different fubjects: all of which have been greatly admired.

ABERNETHY, a town in Strathern, a district of Perthfhire, in Scotland. It is feated on the river Tay, a little above the mouth of the Erne. It is said to have been the feat of the Pictish kings; and was afterwards the see of an archbishop, since transferred to St An-

ews. It is now greatly decayed.

ABERRATION, in astronomy, a small apparent motion of the fixed stars discovered by the late Dr Bradley. The discovery was made by accident in the year 1725, when Mr Molyneux and Dr Bradley began to observe the bright star in the head of Draco, marked r by Bayer, as it passed near the zenith, with an inftrument made by Mr Graham, in order to discover the parallax of the earth's annual orbit; and, after repeated observations, they found this star, about the beginning of March 1726, to be 20" more foutherly than at the time of the first observation. It now indeed seemed to have arrived at its utmost limit southward; because, in

was observed in its situation. By the middle of April, it appeared to be returning back again toward the north; and, about the beginning of June, it passed at the same distance from the zenith as it had done in December, when it was first observed: in September following it appeared 39" more northerly than it was in March, just the contrary way to what it ought to appear by the annual parallax of the stars. This unexpected the annual parallax of the stars. phænomenon perplexed the observers very much; and Mr Molyneux died before the true cause of it was difcovered. After this, Dr Bradley, with another instrument more exact and accurately adapted to this purpofe, observed the same appearances not only in that but many other stars: and, by the great regularity that appeared in a feries of observations made in all parts of the year, the doctor was fully fatisfied with regard to the general laws of the phænomena; and therefore endeavoured to find out the cause of them. He was already convinced, that the apparent motion of the stars was not owing to a nutation of the earth's axis. The next thing that offered itself, was an alteration in the direction of the plumb line, with which the instrument was constantly rectified; but this, upon trial, proved infufficient. Then he had recourfe to what refraction might do; but here also nothing fatisfactory occurred. At last this acute astronomer found, that the phænomena in question proceeded from the progressive motion of light, and the earth's annual motion in its orbit: for he perceived, that if light was propagated in time, the apparent place of a fixed object would not be the fame when the eye is at rest, as when it is moving in any other direction, than that of the line paffing through the eye and object; and that, when the eye is moving in different directions, the apparent place of the object would be different * Phil. Trans.

ABERRATION, in optics, is used to denote that error or deviation of the rays of light, when inflected by a lens or speculum, whereby they are hindered from There are two meeting or uniting in the same point. species of the abberrations of rays, distinguished by their different causes; one arising from the figure of the glafs or speculum, the other from the unequal refrangibility of the rays of light. This last species is sometimes

called the Newtonian, from the name of its inventor *. *See Opties, ABERYSTWITH, a market-town of Cardigan- no 19-22. shire, in Wales, seated on the Ridal, near its confluence with the Istwith, where it falls into the fea. It was formerly a walled town; and fortified with a castle, which is now in ruins; and the town itself is gone to decay, for there is fcarce a hundred houses remaining. However, it is governed by a mayor and recorder; and fends one member to parliament. It is noted for its fishing trade, and has a good market on Mondays for corn and wool. Its distance from London is 199 miles west-fouth-west. W. Long. 4. 15. Lat. 52. 30.

ABESTA, the name of one of the facred books of the Persian magi, which they ascribe to their great founder Zoroaster. The abesta is a commentary on two others of their religious books called Zend and Pazend; the three together including the whole fystem of the Igniceld, or worshippers of fire.

ABETTOR, a law-term, implying one who encourages another to the performance of fome criminal action, or who is art and part in the performance it-

· Vide

nº 406.