In 1729, the annual expenditure of the governmeut of Canada was $£ 16,16613 \mathrm{~s}$. 4 d . ; in 1759 , the disastrous jear which witnessed the fall of QuelBec, the expenditure rose to $£ 1,083,3306 \mathrm{~s} .8 \mathrm{~d}$ : stg., but this vast outlay did not increase the trade of the country, Military operations, glory and extravagance, consuming it all. In $175 \frac{1}{}$, the number of ressels engaged in foreign trade with the Colony only amounted to fifty-three, bearing a total importation valued at $£ 216,769$, and an expurtation valued at $£ 75,560$, leaving a balance agniast the Colong of $£ 141 ; 209$ sterling.
$\Lambda$ fter the fall of Quebec, trade increased and assumed a healthy tone; the imports no longer exceeded the exports; another race less addicted to military glory acquired a standing in Canada, and began to develope its long negleated resources. But the country people, of French origin, had received an indelible impress of character and disposition which they bare retained in many particulars up to the present day.

## Discoveries at Pompeil.

Under the government of the Neapolitan Bourbons, it was the custom to unearth a house at Pompeii on the occasion of a visit from some illustrious guest of the king. The visitor was allowed to pay the expences of the honour conferred upon him. A fear was entertaiced that if all the buried treasures of the city were at once exposed, all interest in the discoveries rould gradunlly die out, and " strangers' money" would soon he wanting to gladden the eyes of Neapolitans. Moreover, if the work had been at once completed, the king must of necessity hare paid the expenses, Thus by spreading it over a number of years, the appetite fur antiquities was fed but never satiated, and the cost of entertainment did not tax the king's pocket. The "Re Galantuomo" does not, it appears, act on this shabby system, for we bear that no less than three houses have within the last month been exposed to riew. One is of unusunl extent and mangnificence, and is enriched with wall paintings of rare design and workmanslip. It forms adother illustration of the 6 th book of Vitruvius, wherein the domestic architecture of the Romans is so minutely described, and recalls Pliny's account of the lusury and splendour in which the more firpoured citizens indulged; but neither Crassus, Pollio, or Lucullus, would ever have placed "Salve Lucrum," as we find the ashed-out owner of the latest discovered villa has done, upon his very door step. We have heard already of " salve" and of "care canem," and we havo seen them repeated upon English door-mate, but the new inscription will have, we fancy, no duplicates made of it.

The other discorery is a baker's shop, which has, of course, been closed for nearly 2,000 yeirs, but in which everything has remanined in such order that the baker might be supposed to have just left it, and might be momentarily expected to return and resume his vocation.-Building Nencs.

## BRITISII ASSOCIATION FOR THE ADVANCEMEN'T OF SCIENCE.

The following is an abstract of Mr. Glaisher's paper on the recent ballogn ascente.

All philosophical inquiries carried on or near the surface of the earth are of nocessity fully within its influence, and consequently within the influence of many disturbing causes. By no other means than the use of the balloon can we free ourselves from these disturbing influences. Let us consider what sciences might be thereby benefited -chemistry probably, magnetism certainly, and meteorology and astronomg. When we regard the influence which a clear sky or a cloudy one exercises upon the temperature, and so upon our comfort and well-being generally, we see the importance of cultivating an nequaintance with the higher regions, and increasing our knowled ge with aerial phenomenn. I will now state the object of the experiments which have been instituted. The committee charged me with two primary objects. 1. Determination of the temperature of the air and its hygrometric state at different elevations up to five miles. The secondary objects wero, to compare the readings of an ancroid barometer with those of a mercurial barometer; to determine the electrical state of the air; to determine the oxygenic conditions of the atmosphere by means of ozone papers; to determine the timo of vibration of a magnet on the earth and at different distauces from it; to determine the temperature of dew-point by Daniell's dew-point hygrometer and legnault's condensing hygrometer, and by the use of the dry and wet bulb thermmeters as ordinarily used, and by their use, when under the influence of the aspirntor, to collect air at different elerations; to note the height and kind of clouds, their density and thickness, at differcut elerations; to determine the rate and direction of different currents in the atmosphere; to note atmospherical phenomena; and to make general observations. The asconts were all made hr Mr. Coxwell's large balloon, three of them from Wolverhampton, four from the Crystal Palace. Sydenhana, and one from Mill Hill, near IIendon, whero the balloon had fallen the night previously. The first nscent was from Wolverhampton, on 17 th July last. Owing to the force of the wind considorable difficulty was experienced in the preliminary arrangements, and I was umable to place a single instrument in its position before starting. The ascent took place at 9.43 a.m., and at onee the balloon was quiescent. The degrec of tranquillity esperienced was remarkable, considering that but a ferm minutes had elapsed since the balloon was agitated. The swaying to and fro had ceased in an instant, and I at once proceeded to fix the instruments. At the height of 4,000 feet we entered $\Omega$ stratum of clouds of nearly a mile in thickness. A height of more than 10,000 feet had been passed before I could pat all the instruments in working order. The sky wro of a deep Prussian blue coloor. without a cloud of any kind upon its surface. At starting, the temperature of the air was $59^{\circ}$; at 4,000 feet, $45^{\circ}$, and descended to $20^{\circ}$ at 10,000 feet, and then there was no variation of temperature between this height and 13,000 fect. During the time of passing through this space, Mr. Cozreell and mpself both

