noon from Calcarn Oreek, with the Grent Harbour and Fort St. Aoon from Calcarn dreec, nd whe city proper stretching awny seiwards in the beckgromat.
The history of Malta has been an event ful one. it is mind to Lave been originally colonized by the themicians, hat whether this be tha trulh or not, it certamly was once in the poisession of hin enterpizing nition, mimy rom them, pasked
 the fall of the homan empire it was seized by the Yandals in
 and the spaniards. In 1530 it wat krantal by the tmperor Charles $v$. to the Knights of Rhodes or Mispitullers, aloo called the Kinights of st. John of Jerruskem, who wok refuge here, under their celebrated prant-master viliers do :'lleAdan, after they were driven from khodes by the Turks. The Hospitallers, or Kmights of Malin, as they now called themHompesch ceded it to Napoleon. In 1800 it was captured ly
 $\xrightarrow{\text { glisht, }}$

## tife fallis of ndachba

At the fecond ammual exhibition of the Society of Camadian Artists, held in this city in Foliruary hast, some of our reader: may remethber that we had occasion to mate favomable mezof Niagara in summer. The pieture atracted considerabs sttention from the visitors to the exhiaition, nad this week we have made a double page illostration from it. In corr issten on
 Scription of that remarkathe matstrom. The ", Falls" are
 canse of these: to tisth to the mirhty war: to wath the into the gulf Lelow: tor ree then surging nud huming undor
 the nation harpy is codured, amb visitors tuechly suffer them selves to be plundered.









 that at present the fhlts are receding the rate if ahme thre
 they reede wrards the geuth at the wate of torty fet to the
mile. The number of the falls, tomi, serms tio law vatied wibh time. As already nated what the riws to have taried



 żenerativis.

## Withelmshont:

The residence nssigned to the fulten Emper of the Fiom

 long lian of princes. The palace sauds in the midnt of $n$
natural mak, at $n$ short distance from casset, wn what was the site of nu old convent that was deftomed by fire in the bif
teenth sentury. On the conven land buricin teenth eenture. On the convent hamd siamic, lamderave of






 vellers in Germany, and all who cariosity of ditain the Kingurneed tatto risit his Imperint enptive. The ex-Empurar, it in remortal enjogs dignified though constrainel retiremphe with preat equanimity, nud is treated ly the lrusiaus with cray mark
of distinction. To nollemn whorenty nciompabied the
 ring to his surrender, gpoke in very warm ternis of the kind-
ness of the ling, thus proving the fillacy of the highly-coloured ness of the King, thas proving the fillacy of the highly-colonem


 two days nt Wilhelmathohe, where her lmperial cousin may possibly yet have to sperd twice ne many months lufore he is
rentored to freedom.
the burial df gen dodaine at shargemund. At the storming of the heightsofspicheren, bet wen Eorbach sad Snarbuck, the French Brigadiur-Gencral Dounine was
 battalion or Prussinn infantry who whe was found dying ly in
victory the town after the victory nt Niederrothenbach. The General died on the morn-
 left tho sous-profocture and pronoeded to the cometory, followed
by tho whole battnlion, and by crowds of privato citizens
Following the band, and immediately before the was borne by non-commissioned officecrs, walked the adjutant and lisis ineat carrying, on a cashon, On the coffin wer he General's ketpi, gloves, and sword, with a wreath of flowers on arriving at the cemetery the cofin was placed in position none, and the only oeremony, simple und cexpressive there was none, and the only ceremony, simple and expressive, was per-
formed by General Von Woyna, who plucked uflower from wreath and laid it upon the coffin, saying, as he did so: "T he oferimg of a l-russian soldier to a brave fellow-soldier fallen in batile." The coffin was then lowered, the grave filled up, nd the Prussians, having given their testinony of respect for
falleu foe, left the tovn liarivead falleu foe, left the town Pariswards.

## SCI ENTIEIC

At the last ammad mesting of the British Ansiociation, reHently held at Liverpool, the President, he learned Professor shipey, in inis Address, discussed the sulject of the relation-
 siociation illustratesd in a very remarkable mauner the practical utilitics of Science. Oney remarkabe manner the practi-
Ongest and profomdest
 ship of life and mater, yet the discussion of that relationbringe ns into inmediate contact with those terrible epidenics
which seourge all orgnized leinge from the ingect up to man Which seourge all organized beings from the insect up to man.
Dr. Huxley reviews the progress of scientific discovery in its inquiry into the genesis of life and pronounces a strong opinion in favour of the theory that onfy life begets life and
against the weory that life can tever spring irom dath. With true scientific modesty, he declines to assert that at no weriod in this plannt's histhry has living protoplasm ewe peen no such evolution has crer beern shown hot have mbists that

 arf mater which is not alive and the li ing auver chtues out
of he dead. The xpriments whieh demontrate this scionTymall hamiliarizel us werly in the sear in his otriking Drect
 mompet od the demontration of the dow trint of miogenesis-
 of raidiches. which are very often the thating gerns of animal and vegelahe forms, and scomety, that filtration through eot
 torms, theting in the dust wheh the sumban reveals, are the
oricine of all the life which patrefiction and other forms of
 the forn of fangi, sometimes in that of minute shimale
whith terrible distase callod pobrime, which hats beon so fatal to silk worms, has been demunstrited by M. Plastomr to ber cansed
 silk wom to monther fy intection, hy contagion, and by trans

 disen

 Sints than these may tre apeten from these invinigations The chatrat and thi searle ferer are prombly brith due to minute deraisos which that in air or water, and, beinge re grme theory of life in inding be to so comphete a knowlodg

 dopht that the causes of this scompe will on. dar be as well suffred massacre of our innocente will come to an enul., It
 gether. We stady Nature to subue her, stomp to humble ob-
servation of her ways that we nay conquer her ; nnd Science which is omly knowhedge of her laws, makes us frec of her king dom.

## A new abtificial lightr.

The scientific American of last Sniurday says:--: One of the arguments mployed in our works on chemistry to prove hinn deri ved from an expriment upon the solubility ofair in water.
Roscor furs in his simiralle tratise: Roscor suys, in his sidmiralle tratise

When nir is shaken up, with a small quantity of water,
 sis this expelled nir is tomnd to consist of oxymen and nitroge in the relative froportions of 1 and 1.87 . Hill the air theon hy simply shanting it we with water: the componnd wepld
 oxygen and nitrocen in the same propertions as in the original nir, vin, as 1 to 4. This experiment shaws, therefory, that
the air is only n mixture, a larger proportion of the wryen luing dissolved than eorresponds to that contained in the atmosphere
mitrogen.
ait is

It is somu whant remarknble that no practical application of ciple above enumbinted is now uprlied to the manufacture of oxyen from the air. By compressing ntmospherice air into oxygen will be dissolved, nad the dissol red air con be forced into $n$ second and third receiver, hecoming ench time more nud more rich in oxgen, until an atmosplere is finally ob-
tuined that consists of 90 per cent of that gns. Some use for mined that consists of 90 per cent of that gns. Some use for
the nitrogen may be invented, luot at present it is of lithe the mitrogen may be invented, hut at present it is of little the cheapest for the mumbincture of oxygen. Dxperiments have estantished tho fact that an atmosplere conlaining 50 por cent of oxygen yields resalts nenrly equal to what can be
obtained from pure orygen. Thus far the chiof investign-
tions have been made in this direction of furnishing a ner and cheap artificinal light. As soon as we can feed an air to our lamps containing 30 or 40 per cent. more than the usual
proportion of oxygen contained in the atmosphere, the brilpiancy of the light will be greatly increased and it will afford a much healhier light than is now given by ourgas. A
lamp has buen invented in Cologne, called tho phillipa Carbo oxysen lamp, where the oil is some cheap hydrocarbon the wick of non-combustible material, probably asbestos, and oxygen is supplied from a reservoir by a pecoliarly constructed apphratus. The Hame is made to assume the form of a star, and any heating of the wick-holder is prevented by the manner in which the oxygen jet is perritted to feed it. It is said it with the patented hydrocarbon liquid. The wick requires no trimming, and explosions are impossible, as the oxygen duced by the heat of the combustion. The light of a lamp consuming five and a half cobic feet of gas per hour is equal
to 90 or 100 candles, or ten fimes that of an ordinary In difusive power it would however of an ordinary pas jet. less brilliant light. For lighthouses, fog signals, and photographic purposes, and for stadies for the microscope, such a of obtaining oxygen would not be ccafined to the production of light. There are other important applications production and the moment that we can obtain it cheaply it will enter into metallurgical operations, into compound blow-pipes, into laboratory and pharmaceutical uses, and, in fact, be applied in a thousand ways. It is possible that we may find some other wiquid than water that has great solvent power for oxygen a liquid none for nitrogen. The receivers once filled with such a liquid need not be filled a second time, but an indefinite apparaius, and it is possible that this expened from the same ried on by clock-work or some other mechanical means We are manifestly on the eve of the discovery of an ensy and cheap method for the manufacture of oxygen for artificial light and other purposes, and the source of the gas appears likely to be the atmosphere

Nef Cmmichl Refatiose of Silica.-Friedel and Ladenburg recently announced to the Academy certain new organic comsilicopropionie urid, containing in its constitution, with silicon resembigen, the organic radical ethyle. They say it "much bustibility, burning lik- tinder when heated." It is insoluble in water, but readily solvhle in warm concentrated potash. It in fact. the first carburetted silicic acid" that ": it constitutes one torm of a cries of authers say of which others will be obtainable by like urocesses Dumas in commenting on this paper, threw out the conjecture that as - There are so often found in nature silicions maters, containing traces more or less visible, of organic matter, it would not be surprising that, just as at times natural compound ammodas have been confounted with ordinary ammonia, so componnd rilicas, in nature, may have been regarded as ordinary Thenard of a most strikine character buine the onnoum Paul of the discovery that certain modifications of the subsiances Gi the humic acid group have the porer to dissolede sition in large guatitios. These new silicious solvents are produced by fixing ammonia upon the humic matters, in ways not yet explained by which the ammonia is not merely combined as a salt, but enters into the molecular constitution. He has thus formed rour distinet derivatives of the humie type, which are not alkalime but acia, and he calls them acides anompues, which is remarkable, as they do not wholly lose their Thitrir fizity 1.000 der to 1,200 der The combine with silicagen at acids siticomitro-humic acids, which are instanty dissolved by alkalies, including ammonia, eren when rery weak, forming
salts, from which the siliconitro-humicacids may be recorered in all this integrity. The proportion of silica taken up is in proporion to the amount of nitrogen present, varging from an to 't per cent. A new relation is here indicated between
silicon and nitrogen. Thenard tinds these nitrohnmic acids silicon and nitrogen. Thenard tinds these nitrohnmic acids
in soils, and attributes the silica always found in solution of in soils, and attributes the silic
the acids of soils to this cause.
Prof. Heary Wurtz, from whose Chemical Excepta we take the above, remarks upon it as follows:- Wi We have demonstrated this, at once, a theory, not only of new relations of Flant decay to plant putrition, but also of the far broader subject of the trunsformation and migration of silica throughont an past geological ages, and of the continual, and (as the
writer of this abstract has long believed) sole agencr of life in Writer of this abstract has long believed) sole agencs of life in
these, as in the past and present migrations and transiormathese, as in the past and present migrations and transiorma-
tions of carbon?

The friends of Dr. Livingstone continue
The friends of Dr. Livingstone continue confident that be is alive and is engaged prosecuting his discoreries in the rast
central and watery region on either side of the Equator. He. is supprosed to be tracing an conatertion between the waters of the Tanganyika Lake, where he was last heard from, and the sonth end of Albert Nyanza, where it was expected that Sir
Sammel Baker would meet him. The last letter from Dr. Girk at Zanzibar, dated 29th June, $18: 0$, mentioned that Dr. Living stone was ont of danger from cholera, as it had not visited the forwarded to hime him.

The well-known ancient custom of the Jews to obserpe the amiversary of their fathers' deaths hy a religious service celebrated by ten of their members, mas not neglected at the
battle of Woerth. A Prussinn doctor, a Jew, obscrving a soldiereridently in search of something, inquired what he needed. reply you a come asked the man. Receiving an affimative reply, "Come with me thea, returned the man. "3y commade wishes to observe the day of his fathers death, and
we are only nine" It is needless to say that the surgeon readily acceded to his pious request.
The census in some of the Western States has worked terrible havoc. The population of Omaha has been reduced that of Council Blutis from 20,000 to from 35,000 to 21,000 , and Kansas City frotu 50,000 to 17,000 . This is worse than war.
Out of 20,664 pupils enrolled in the Cincinanatl publio

