

The extremely sensitive test-paper of K. Dietrich is made by painting alcoholic solution of shellac and fluorescein on a black background. The slightest trace of alkall causes a characteristic green fluorescence, one part of Ammonia it one million being detected.

The spectrum of lightning, which has been photographed at Harvard University through a relescope provided with an objective prism, is not always the same, but curiously resembles the spectra of new stars, such as that in Perseus. Many of the lines appear to be due to hydrogen.

Horses are shod with various materials. Most borse in Japan wear shoes of rice s , bound with ropes of the same material, and ponies in Iceland are shod with sheeps' horns, and in other places with antiers of deer. Socks of camel's skin are sometimes used on horses in Egypt.

It is well known that some savage tribes are accustomed to obtain fire by the friction of dry wood, but white men trying the experiment usually fail. The method used by a native Indian tribe, the Yanadis, of Madras Presidency, is described in a recent bulletin of the Madras Government Museum. In a short stick a square cavity is made. The stick is then laid on the ground and held firmly in place by one operator, while another rapidly twirls between his hands a longer stick, one end of which rests in the cavity. From the fire thus produced dry leaves or a rag can be ignited.

Our consul at St. Etienne, France, Mr. H. S. Brunot, furnishes interesting details concerning the manufacture and use of petroleum briquets as fuel. He says the briquets weigh only half as much as coal, and produce twice as much heat. They keep indefinitely in good condition, are in no way dangerous, give off no smoke or odor, and burn with a very white flame, eight or ten inches high. They consist of petroleum, either crude or refined, mixed with certain chemicals the precise nature of which is a trade secret, and solidified in molds under a pressure of 300 pounds per square inch. They cost about \$14 per short ton.

With the spread of American influence in distant parts of the world, the work of the government scientific bureaus is rapidly widening. Alaska and the Philippines have recently called forth extra efforts from the Coast and Geodetic Survey in charting the coasts | receptacles for holding tobacco and of those lands. Without accurate charts the growing commerce nourished by the development of the mineral twealth of Alaska and the rich and vacannot be safely conducted. An idea Philadelphia Inquirer, losing the hot, of the amount of surveying and chartis stated that our knowledge of a large | pipe. portion of the coast of Alaska is still based on the information obtained by searly explorers and navigators, while in the Philippines the existing charts "are trul; Oriental in their untruthfulness."

ITALY'S ROYAL BABY.

Little Princess Yolanda Is Being Carefully Brought Up.

The little Princess Yolanda of Italy is such a healthy and bonny child that she more than compensates Queen Frelena for all the unpleasant criticism brought upon her by her resolution to bring her little one up according to the strictest rules of modern science, From the very beginning she astonished soclety by abolishing all sorts of foolish old customs, some of which are common to royal and wealthy families generally and others peculiar to Italy.

One of her most radical innovations was to do away with the swaddling clothes in which every Italian baby of good family is bound up. The princess was dressed in loose clothes, lightly sewn up. Customarily an Italian baby of rank is bound up from the neck to feet in tight bands. Over these is placed a dress of the most gayly-colored silks. The wet nurse wears a dress of the same colors.

When some ladies of the court protested against the queen's departure from ancient custom, she said: 'Bables' legs were meant to kick with, and my baby's shall be free to kick."

The queen also abolished the custom of assigning ladies of the court, according to their rank, to various duries in connection with the baby. Only and were seen by no one else. When professional nurses of the highest ability are employed to look after her little girl. In addition to all these innovations she has put an end to the old custom of leaving the infant's tender neck and arms exposed.

This sensible royal mother excels in all sports that the king's delicate constitution has kept him from enjoying. She is proficient in hunting, riding and shooting. She is a fine musician, playing the plano and violin exceptionally well for an amateur. She speaks English, French, German and Italian fluently. She is a clever artist and is widely read in all branches of litera-

Not only is Queen Helena beautiful in form and feature, but she possesses that nameless charm without which cluation. She has large, lustrous dark eyes, full of expression. She has masswing hue. Her complexion is dazzling transparent. Her carriage is extremely graceful and majestic.

She has now become popular among the people of Italy, and doubtless her good example in bringing up ber baby will have far-reaching effects.

And Oncen Heletta is as sensible as a woman as she is as a mother. It was entirely with her concurrence and advice that King Victor Emmanuel some time ago made known through his ministers that, with the object of relieving the burdens upon the national treasury and upon the taxpayers, he was about to order a further reduction in the amount of the civil list due to him as sovereign.

When he succeeded to the throne, says the London M. A. P., he made considerable surrenders of this character. Then he gave up another million lire of his official income to his mother, so as to relieve the treasury of its obligation of paying her the annuity due to her as the widow of the late King Humbert. With all this reduction the splendor of his court has not been in any way impaired. It has merely been reformed on a business basis, like that of King Edward.

HAS A UNIQUE PIPE.

One Made from Root of Historic Tree Is Wonderfully Carved.

M. N. Silver, of Philadelphia, is the proud possessor of what is considered the most unique pipe in existence. Obviously it is the most remarkable for the workmanship and skill which were displayed in carving it.

In 1861, about fifty years ago, J. Stone, of Trappe, Chester County, which is near Washington's headquarters at Valley Forge, came across a wonderfully shaped piece of wood. It was about six feet long and was a root from one of the historic trees of Valley Forge. The root took his fancy and an idea entered his mind that it would make a valuable historical relic if placed in a carver's hands and carved as he directed. But he never carried out his intentions and eventually the historic root came into the hands of Mr. Silver, who had his own ideas regarding carving. As a result it was made into a bunch of pipes and cigar holders, many in one, although he calls it a pipe.

The work on this pipe took 1,234 hours and, if reckoned at 20 cents per considering what was paid for it in

the original transaction. Mr. Silver has had many offers for the pipe, but has declined them all, the largest amount offered being \$500. He expects to place it in the Carnegle Museum at Pittsburg if the negotiations which are going on turn out right.

The exterior of the pipe is carved out in many faces of grotesque expression, which give it a very odd appearance. It has quite a number of large trap doors, from which when opened, figures made of wood spring out. It has many quite a number of men can smoke at the same time, for the interior is composed of a labyrinth of small pipes and tubes. The smoke is pleasant by the ried resources of the Philippine Islands | time it reaches the mouth, says the burning sensation, and at the same ing to be done may be formed when it | time depositing the nicotine inside the

Two Kinds of Dreariness.

You hear often from car-window observers of the "dreary" desert, the "hopeless," the "cheerless" desert. But the desert deserves none of these adjectives. It is dreadful, if you wish. in the way in which it punishes the ignorance and presumption of those who know not the signs of thirst; it s sometimes awful in its passions of dust, torrents, heat; it is even monotonous to those who love only the life of crowded cities; but it is never dreary or cheerless. Hopelessness may well apply to the deserts of Mulberry Street and Smoky Hollow, with their choked and heated tenements, their foul odors, their swarms of crowded and hideous human life; but the desert of the arid land is eternally hopeful, smiling, strong, rejoicing in itself, The desert is never morbid in its adversity; on the other hand, it is calm and sweet and clean-the cleanest of all land. Not till@man comes, bringing his ugly mining-towns and his destructive herds, does it bear even the vestige of the unclean, the dreary, the unpicturesque.-Ray Stannard Baker, in the Century.

Queen Victoria's Way.

The Queen's interest in and oversight of public affairs did not cease with the Prince's death, although, in the first years of overwhelming sorrow, it must have been difficult to carry out her conception of duty. All important resolutions were taken by her; the personal notes in the "Court Circular" were written by her own hand, Sir Henry Ponsonby became the Queen's private secretary, she said to him: "Remember this: no advice! I am older than you are, and have had more experience." In after years, historians will have much to say upon the Queen's personal share in the government of her dominions. All her papers have been most carefully preserved and arranged, and some day, perhaps, will be accessible to the inquirer. On the other hand, there is not a single paper belonging to George III, which is known to be in existence .-Century.

Not a Stage Meal.

"My!" exclaimed the good-natured housekeeper as she watched Weary Wraggles devour the food, "you cerperfect beauty is often devoid of fas- tainly do act as if they were hungry." "Act?" he cried, between bites, "Gee whiz, lady, don't you know de differes of black hair-the genuine raven's ence between actin' an' de real t'ing?" Philadelphia Press.

Do you annoy people who are willing to let you alone? Many people do it. Look yourself over.

Misfortunes never come singly. But good fortune has solitory babits.

HOW THE MOROS FIGHT.

They Display Great Ferocity and Seem to Reliah Death.

For ordinary occasions the Moro will carry a dagger or two in his belt, while, if he be or sufficient rank, especially when visiting an American officer, his armsbearer, usually some favorite youth, will carry his larger weapon, a modern umbreila for the sun, and an extra supply of lime and betel nut. The racial complexity of Moro origin discovers itself in the patterns from his looms, the fashion of his garments, and, to a certain extent, in the carved ivory and silverwork of his weapon's bandles. The face characteristics are perhaps mainly Malay, but in some cases there is an undoubted infusion of Hindoo blood. while often there are traces of Arab. and sometimes, though less often, of Chinese. The patterns on Moro tapestries belong to the art workers of Hindoostan. So does the rather tight tapering pataloon and the fashion of wearing a silver-beaten betel-nut box horse thief who was killed on April at the girdle. The Moro turban, how- 26 last in a battle with officers in ever, conforming to the Mohammedan Sherman county. His home was at custom, is yet entirely distinct from Pittwood, Ill., seventy-six miles the large, carefully wound puggzee of from Chicago, where his parents India. It is rather a jaunty cap, made now reside. A strange part of the by the clever twisting of a gay-colored history of the young man, who was cloth square, measuring not more than but twenty-one years old is that

Considered as a fighting race, the Moros are accredited with great ferocity and fearlessness, or rather a relish of death, on the battle-field, begot. for his body. His remains were ten of the belief that such a death is recently taken from the dissecting a certain passport to that peculiar room of the Lincoln medical college, heaven which is the true believer's where they had been legally confinal home. But, as the British wars signed. Through the courtesy of the with the tribes of Islam have so san- officers of the institution the remains guinarily proved, fanaticism is no were shipped to Illinois for final inmatch for repeating rifles, machine terment a week ago last Monday. guns, and a plan of campaign. Though Had the search been delayed a a war with the Moros, if the whole short time longer the means of idenpeople were to rise and take to the jungle, might be long and bloody, and necessarily a war of subjugation, or, failing that, of extermination yet there known to certainty the fate of the could be only one end, complete Ameri. young man. can control, even if our losses in am- The story of the discovery of the bush or from the assasin's knife in the young man's identity is quite interhour, the pipe cost him about \$300, not | darkness should add dark pages to esting. He was a wayward son and

Philippine history. be gathered from the fact that no par- to make his fortune in the west. ty has visited their cities on the lake. no one has explored their territory, places leading a free and easy life and those who have wandered a little till he settled for a while in Okla-

OLD-TIME SCOTCH SERMONS.

Those of the Eighteenth Century Were Nothing if Not Exhaustive.

known as "Ian Maclaren." at the Royother spread his comments and explapleted in 1792.

Even the endurance of Scottish con- week to serve a six-year sentence. an order had to be issued that the people should not entertain their neighbors with discourses while the minister was holding forth.

heresy in those days, says the London and viewed by many people, but Chronicle. The declaration of a stern none recognized him. His body was Cameronian of the middle of the cen- given to the Lincoln medical college tury, which has fortunately been pre-through the regular channels and served, indicates the ready pitfalls for was preserved for use during the the feet. "I leave my protest," said coming school year. he, "against all sectarian errors, heresies and blasphemies, particularly against Arianism, Erastianism, Sociaianism, Quakerism, Deism, Bourigianism, Familism, Skepticism, Anabaptism. Millennarlanism, Pelagianism, tudinarianism and independency and anti-Christian toleration granted by the popish Duke of York and the present continued wicked toleration granted by that wicked Jezebel, the pretended Queen Anne."

Progress. "Jabez is gettin' used to public speak-

in', ain't be?" "Oh, yes: I remember when you could hardly get him to stand up, an' now you kin hardly git him to sit down. '-

Armies on a Peace Footing. The peace footing of the armies of the civilized world is in all 4,000,000

By the time a woman has worn out husband, her sons are grown, and she begins to grow jealous on their ac-

a flow of conversemen.

IN HANDS OF RELATIVES.

VERNE STEWART IS HIS NAME

CORPSE FOUND IN A LINCOLN DIS-SECTING ROOM.

PARENTS WELL-TO-DO PEOPLE.

Man Kitled in Sherman County in a Fight With Posse Proves to be a Former Rest. dent of Hanots.

Lincoln, Nebr., July 25-Verne Stewart is the real name of the through the means of an unknown person writing from Oklahoma, his relative were led to make a search tification might have been destroyed and the relatives would never have

several years ago he left his home. Hitherto we have told the Moros His parents were well to do people. that we are their masters-that they His brother-in-law, Noah Ash of must obey us and submit to our rule. Pittwood is in the grain business in Following the agreement which was that city and is a respected buisness entered into by the Sultan of Sulu, negotiated by General Bates, the Moros have been comparatively well-he well connected, one being the wife haved and non-aggressive. How much of a presiding elder in a large disconfidnce the American commanders trict. Stewart could not bear the have put in Moro trustworthiness may life of his home town and started out He wandered about in different

into their forbidden zone have had homa. On several occasions, his tales of hairbreadth escapes to tell; or, family sent him money. Once they like the unlucky ones whom Chaffee's sent him \$300 to buy a team of men are now seking to avenge, they left their bones on Moro soil. In brief, horses. He bought a tract of land it much resembles man's rule of the in Oklahoma on which he aimed to rattlesnake: "Keep out of my way live. But the border life was too and I won't bite you."-Leslie's Week, enticing and he kept bad company. In April of this year he with his friends came to Nebraska and near Greeley Centre, at Spalding, the theft of several horses was discovered too soon after the deed for the The length, breadth, depth and thor men to effect an escape. They made oughness of the Scottish sermon of a long cross country run with the the eighteenth century were vividly sheriffs of three counties and a large portrayed by Dr. Watson, better posse in pursuit. Across the line in Sherman county they were brought al Institution recently. A subject, as at bay. Many shots were fired and out in those days. One text furnished ex-Sheriff Houck received builet a minister with eight sermons; an wounds. During the encounter the thieves fortified themselves in a nations upon a passage of eight verses trench in the sandhills when Stewover a period of nine months, while a art, seeing they were surrounded third began a course of addresses to started to run. He received a bullet his congregation on the Epistle of St. in the base of the brain and died in-James in 1766, and a whole generation stantly. His companions surredered had passed away before it was com- and one of them, Harry Hill, was brought to the penitentiary this

gregations seems sometimes to have Many efforts were made to ascerbeen unequal to these great trinis, and tain the identity of the dead man but they were to no purpose. He had given as aliases the names Charles Wilson, Hill and Baldwin, It must have been easy to slip into His remains were brought to Lincoln

Harry Hill, the man brought to the penitentiary on Wednesday for the theft is one of the men arrested when Stewart was shot. He is charged with horse stealing for Campbellianism, Whitefieldism, Lati. which he is settenced for six years Sheriff Smith, who participated in the chase brought him to Lincoln all other sects and sorts that maintain Hill is quoted as saying that they week staying with her sister, Mrs. incorporated a few weeks ago at any error, heresy or blasphemy that is did not intend to injure the officers contrary to the word of God, particu- when they were cornered and they larly the toleration granted by the sec- merely discharged their guns a few tarian usurper. Oliver Cromwell, the times to frighten the pursuers As several bullets nipped the pursuing officers, it is taken with a grain of The men were implicated in other affairs in Greely county and since the affray, a large amount of cattle rustling has been traced to their doors Two farmers living near They were driven to Fullerton and were loaded and shipped to Omaha.

Captain Strong in London.

New York, July 25 .- A special dispatch from London to an af ernoon on the St. Paul, sailing under an assumed name.

In an interview he acknowledged his charge that he pawnad Yohe's jewels. May Yohe, who was formerly the wife The tongue is a pump used to induce rope teday on the Fuerst Bismarck.

LED A WILD LIFE. DROWN IN THE ELBE

THE REMAINS OF DEAD BANDIT GERMAN STEAMER PRIMUS CUT IN TWO BY A TUG.

FIFTY LIVES THOUGHT LOST

NEARLY TWO BUNDRED ABOARD AT TIME OF ACCIDENT.

185 PASSENGERS ON BOARD

Disaster Due to Too Precipitous a Move nent in Crossing Channel -Flood Causes Loss of Life,

Hamburg, July 23.—The steamsh ip Primus of Hampburg, with 185 passengers on board was cut in two and sunk by the tug Hansa on the river Elbe at 12:30 Monday. So far as is ascertained about fifty

persons were drowned. Thirteen bodies already have been recovered. Primus was ar excursion steamer from Buytehude, province of Hanover, Prussia.

The disaster occurred between Blankenez and Nienstdeten. Among the passengers were the members of the Eilbeck male choral society.

At the time of the accident Primus was crossing the river channel near Blankenez, from the southern into the northern fairway.

According to witnesses aboard Hausa, the movement was made too precipitately. Primus struck the tug's engine rooms and Hansa endeavored to push it ashore, but the their lands or adding to them. tug grounded and the ships parted. Primus then sank.

In the interval, however, about up by the tug's boats, while others swam absore.

St. Petersburg, July 23.-A ferryboat, while crossing the river Volga Monday at Hersenk sank and fiftyeight harvesters were drowned.

Farmer Takes His Life.

Grand Island, Nebr., July 23 .-Monday morning, when the two older sons of Hans Voss, a prominent German farmer residing a mile and a half east of the city, went out to the barn to feed their horses, they found their father lying dead on a pile of straw in the horse barn Detective Gallagher. Giles formerly They took him to the house and lived at Genoa. He confesses him promptly notified their relatives in the city, and the coroner. It was found that he had risen during the night, gone to the stable and taken strychnine. Coroner Roedera at once went out to the place and upon investigation found an inquest unnecesasry. The bottle from which he had taken the fatal draught lay schemes which would help Nebrasnear where the boys had found the ka. Mr. Newell wishes to secure body on the straw pile.

Hans Voss resisded in the vicinity many years being counted with his father, among the old settlers. He was married nearly twenty years ago to a Miss Senbeil, whose parents and family still reside in this vicinity, and the first years of their married life appear to have been happy. The union was bleessed with four children, trhee sons and a daughter. In recent years the family appears to have had some domestic unpleasantness, and last week Mrs. Voss applied for a divorce, the hearing having been set for today. She alleges great and repeated acts of cruelty, among them that of incit-terd into by leading Omaha and ing the children to be impudent to Lincoln implement dealers some her, etc. After having filed the pe- years ago, no exhibit will be made tition for the divorce she was afraid by them at the state fair. The to go to the house and did so, to get Lincoln dealers will invite visitors her clothing, only in the company to view their displays at the city of the sheriff. There is no doubt warehouses, but none except the but that the man took his life as a re- smaller dealers will have an exhitsult of this Jomestic trouble. He it of machinery or vehicles at the was well to do and in good health. fair.

Uopn retiring last night he had spoken to his sons about harvesting Emil Barth, of this city.

Locomotive Explodes

Washington, Ind., July 23.-A B & O. freight locomotive exploded near Olney, Ill., today. Engineer Conaty, of Washington, Ind., was instantly Brayton lost sixteen head of cattle killed and Fireman Michael Muster was fatally injured. Fifteen cars were wrecked and traffic was blocked

Boy Injured by a Horse.

old son of John Marshall, living three but the boldest attempt was made paper says that Putnam Bradlee and one-half miles northwest of Graf, Strong arrived at Southampton today was kicked in the stomach by a horse-The boy lay unconscious for a few mo- C. E. Benert, while the family was mine of Graft was called and after from a toy bank and also made way all jealousy entertained because of her identity and denied positively the making a careful examination said with a valuable ring. Entrance that the boy was not injured seriously was effected with a skeleten key, and if inflamation as the result of the and before feaving the thief locked of Lord Francis Hope, sailed for Eu- concussion does not follow be will be he door all right in a few days.

NEBRASKA NOTES.

Deposits in the Nebraska banks increased nearly \$523,000, last quarter.

Burglers entered the house of Peter Rasmussen at Fremont and carried off a gold watch and chain and a few other articles of slight value.

Nebraska City board of health has finished the cleaning of the basins of of the water company and over six feet of sediment was removed.

Nebraska City has more handsome lawns than any other town in the state. A prize is annually offered for the best kept.

The German Lutheran church at Fremont has purchased a corner lob and will erect a church on the site in the near future. It has been announced that Gover-

nor Savage had appointed T. J. Majors, of Peru on the state board of education, in place of John Eitz Roberts of South Omaha.

Fourteen hundred dollars in drill and exhibition prizes are offered by the management of the state firemen's tournament which will be held at Grand Island, August 5 to 7.

It is claimed that the farmers of western Nebraska raise and fatten their hogs for market on alfalfa at an expense of a cent a pound. Twenty years ago alfalfa was unknown.

Seventy-five per cent of the farmers of the state own their farms, and 96 per cent of the mortgages filed by them are for the purpose of improving

John Wann a young farmer living near Superior had an arm cut off fifty of the passengers were able to above the elbow. He was driving a reach Hanas by means of ropes and team attached to a binder. The ladders. Seventy more were picked horses ran away and Wann was thrown in front of the machine, with the painful result.

> The land commissioner left to look up a tract of land in Nemaha county which some years ago was reported to have sunk into the Missouri river. The track covers thirty-four acres and recently it was discovered that the land was being used for a pasture. If the land is found it will be " put on sale.

A. Giles, who was arrested at Genoa for alleged forgery, committed at Chicago, was taken back there without requistion papers by guilt and states that others will be implicated before the trial is over.

State Engineer Adna Dobson received a letter recently from F. H. Newell of the United States geological survey, asking Dobson to point out to him any storage reservoir information of the smaller projects, as the larger ones are known to bim.

Returns from threshers over the county show phenomenal yield of wheat from every locality. Reports show as high as fifty-seven bushels per acre. The grade of the wheat is very fine, some of it testing sixtythree pounds to the bushel. At EIwood six new steam threshers bave been started, and all of them have at least three months' steady runs ahead of them.

According to an agreement en-

Preliminary steps in the direction the oats today and gave no indica- of building the Kansas City, Beatrice tion of a despondent mood. He was & Western railroad were taken at prominently and well known in his Beatrice in the filing of a mortgage township, having several years ago by J. E. Smith, one of the incorpobeen a candidate for supervisor, rators, to the Union Trust company Mrs. Voss, his widow is quite dis- of Philadelphia for \$500,000. Mr. tracted. She had been for the past Smith is president of the company Beatrice and states that as soon as the mortgage filed is returned to Philadelphia the money will be forthcoming and work upon the construction of the new line will begin at once. Under the articles of incorporation the line is to be built from Virgina to Beatrice, thence northwest to Grand Island. The articles also include a branch line from Beatrice to Lincoln.

For the past week Wymore has neen infested by burglars. Several Graf, Nebr., July 23 -The six-year- petty thefts have been committed, when someone entered the home of ments, but soon revived. Dr. Casea- away, and stole about \$7 in cash