

LAKE YIELDS TONS OF SALT

Natural Phenomenon In South Australia Constant Source of Revenue to Its Owner.

On Yorks peninsula, in South Australia, says a writer in the Wide World is a wonderful lake of pure salt. It is a huge depression in the earth which fills up in the winter months. In the hot summer sun the water quickly evaporates, leaving a thick deposit of almost pure salt. Seen from a distance the surface of the lake has all the appearance of being covered with a sheet of ice. That salt crust is so thick and strong that men and even teams and plows can travel over it with perfect safety. Yet below the crust there is a considerable body of softish water.

After the rains of the summer have played their part the salt has gathered. It is just galled by the wind and these pyramids of salt are a striking feature of the landscape. The salt is now shoveled into carts and conveyed to various works on the coast. It is used for the preservation of fish. Getting the salt is a work of some of the great heat of the churning reflection. Often it is necessary for the men to wear goggles to protect the eyes. After the loose salt has been collected it is shoveled into a special kind of cart. The field of salt from the lake is estimated to amount to several thousand tons a year, and it is among the most profitable in the world. The lake is a very valuable property.

WILL SPLIT BIGGEST ROCKS

Seemingly Nothing in Nature Is Able to Withstand Expansive Force of Tree's Roots.

This might very well be considered a nature puzzle. Why should any sensible tree apparently select a dry rock for a home when there is plenty of good soil all about in which to grow? As a matter of fact there is so little rainfall where one tree grows in New Mexico, that it is something of a wonder to an eastern traveler how any tree, even with its roots spreading through the soil in every direction can stand the long drought of months duration. When a cedar tree, however, is seen to be growing out of a crack in a rock in an almost desert region the matter becomes a veritable mystery. Even under such adverse conditions trees will split the hardest of rocks. No rock can withstand the expansive force of a growing tree. Sometime the rock is cracked off in pieces gradually, but oftentimes a big rock is split fairly in two, the tree roots relentlessly forcing their way downward. Time is no consideration to the tree and every spring it returns to the attack as the new sap invigorates its roots and trunk, never giving a fraction of an inch of what it has once gained. The fight is a slow but entirely one-sided affair.

Give Your Child His Own Room.

In Farm and Fireside, a woman writing about children says: "The craving for companionship is a powerful factor in the life of every boy or girl, but a certain amount of privacy and whole-some quiet is just as necessary to the child's development and happiness. I have known families where life was made miserable for everyone because of the constant bickering and quarreling among the children. When the house was enlarged so that each one could have his own room, they suddenly lost their fretful ways, and improved rapidly in disposition. "It means a great deal to a boy or girl to know that his small possessions are sacred from the unsympathetic eyes and hands of the grown folks. I have always trained my children to respect each other's rights. Even if he hasn't a room to himself, each child has certain shelves, drawers and nooks sacred to his own use."

Sensible Table Discourse.

Speaking of autobiographic recipes for domestic use, there's nothing better than Benjamin Franklin's description of how the table was managed by his father when he was a boy. "At this table he took care to have some sensible friend to converse with and always started a useful topic of discourse which might improve the minds of his children. By this means he turned our attention to the proper conduct of life and no critical notice was ever taken of the victuals on the table—whether they were cooked well or ill, whether they were in season or out of season. Thus I was brought up to be quite indifferent as to the kind of food that was set before me and to tell what I am asked after dinner to eat what I have dined upon I am scarce able to tell."

Spaniards Gave Name to Cigar.

However strange it may appear, it is a well-established fact that the word cigar is derived, though in a roundabout way, from the words "cigarra," the Spanish "cigarra," the place where the cicada (in Spanish "cigarra") generally applied to a kind of pleasant garden and summer house (as in the cigarrales de Toledo), and in Cuba a particular to a tobacco garden or nursery. After the discovery of the new world the Spaniards who planted tobacco in their gardens when offering the plant to their friends were wont to say: "Es un cigarro de mi cigarra," as we would say "a flower from our garden." The name remained.

U-BOATS STILL BUSY OFF ITALY

Spies and Fishermen Help Supply and Signal German Captains.

BASES ON NEUTRAL LAND

Craft Hunt in Groups and Have Accurate Information of Sailings—Temptation Too Much for Fishermen.

Rome.—The U-boat offensive is still serious in the Mediterranean. Submarine bases exist in neutral countries, where information, provisions and even petrol are supplied to the German commanders. Some time ago three Sicilian fishermen were charged with supplying U-boat bases in an Italian submarine off Augusta. In the course of the trial before the military tribunal at Catania evidence was brought in to show that each of the fishermen carried out at sea on their boat a submarine base on the surface and ordered the three men to go on board. The commander then informed them that two would be kept as hostages while the third was to go ashore in the boat and get the provisions needed. In two or three hours the two fishermen would not only be released but also compensated; otherwise they would be killed. The man was warned that if he informed the Italian authorities the fate of his two companions would be the same. Naturally the man obeyed. He returned with the provisions within the appointed time and was well paid for his trouble and faithfulness. Of course the two hostages were released. Evidently the fishermen's story was corroborated by the evidence of other men, as the tribunal acquitted the two hostages and sentenced the man who got the provisions to ten years hard labor for neglecting to inform the authorities.

Cannot Resist Temptation.

There are thousands of fishermen in Italy who lead a hard life without earning a living wage and who cannot resist the temptation of making money. Besides, they are easily intimidated by the threats of the commanders of submarines, who offer sink fishing boats and murder the fishermen for the sake of imposing obedience. It is reasonably suspected that fishermen aid submarines in many ways. They warn them of the approach of war vessels and military ships and give them valuable information about sailings and courses of convoys. Possibly if the allies compensated fishermen as well as the commanders of submarines do satisfactory results would follow.

Index Finger as Nut Cracker.

Nut crackers, which are based on leverage, make us suppose that it takes great strength to open a nut; and, in fact, everyone knows from experience that without such a little machine it is hardly possible to overcome the hardness of a nut. And yet one can open hundreds of nuts in a very short time without any implement and without any effort whatever merely with the aid of the index finger.

How Birds Save Farmers' Crops.

A farmer who thought the robins were pulling up his young cabbages learned from a student of bird life that the birds were pulling up only those plants which were dead; and this was to get at the wire worms at the root which had caused the plants to die and which would destroy other cabbages if left alone. In another case a group of farmers thought the meadow larks were destroying their crops. An ornithologist persuaded one farmer to spare the larks on his place. The other farmers shot them. The result was that the man who spared the larks was the only one for miles around who had an oat crop. The birds killed the insects which destroyed the other crops.

Wealth of Forestry.

The coast forests of southern and southeastern Alaska are included in the national forests of Tongass and Chugach, which comprise over ninety six million acres, a large proportion of which is covered with trees. Of these, Sitka spruce averages about 75 per cent and western hemlock about 25 per cent. The spruce are occasionally six feet in diameter and 150 feet tall. The interior forests are practically all found in the drainage basins of the Yukon and Kuskokwim rivers and it is estimated that there are forty million acres bearing trees large enough for cordwood and logs.

All Harmonious.

"So you are getting good results from juries of ladies?" "Yes," said the judge; "they don't want us men to have a chance to say they couldn't agree."—Louisville Courier-Journal.

Not Always.

"The young fellow who's calling on your daughter, Smith, has a lot of go' in him." "Not any to notice when he's calling on my daughter."

HAVE NOT YET REACHED LIMIT

More Powerful Explosive Than Any in Present Use Is Dire Possibility of the Future.

Nitroglycerin, although considered one of the most violent explosives in present use, develops only 1,750 calories per kilogram, since the nitric acid which it comprises does not take part in the reaction and the hydrogen and the carbon therein give only 43 per cent of the energy of combustion which they would discharge if they were alone. Explosives of liquid air, or oxylique, give as high as 2,200 calories, because the liquid oxygen combines directly with the carbon and the hydrogen. The combination of hydrocarbons with ozone, ozonide of ethylene and ozone-triazole though liberating a more heat of explosion, has a higher "braking value" because of the greater speed of detonation.

Theoretically, still more powerful explosives are conceivable: a triethylene of glycerin should develop 3,000 calories, twice the force of nitroglycerin and finally a mixture of liquid hydrogen and liquid ozone, if it were practical, would give about 4,500 calories and could be the most terrible substance possible to obtain.

DADDY OF ALL FISH STORIES

Here Is One That Will Make Any Disciple of Isaac Walton Look to His Laurels.

A reader has asked us to retell the story of the six fish found on the river south of Grigsby City. Something took the bait and lunched away with it despite our efforts to hold it. We surmised, correctly, that it was a good-sized catfish or drum, and began working it backward and forward across the stream in the deep water under the dam. Eventually we headed the belabored deep stream and finally stranded it in the shallow "tripple" hole. It could get neither forward nor back, and with the help of half a dozen other fishermen, who were watching the contest we hauled it. It proved to be a monster cut of the yellow Mississippi variety and weighed sixty-five pounds on the scales uptown. New York Tribune.

June Ordinations

The solemn services of ordination to the priesthood, will take place in the Cathedral on Saturday morning at 9 o'clock, when nine young men will be ordained priests and twenty-two ordained sub-deacons. Following are the names of those to be ordained priests: Paul Joseph Gaffney, Michael Leo Hynes, Edward Michael Scheid, Leo George Schwab, George John Weinmann, of the diocese of Rochester. Owen Alphonsus Lennon, Wilmington, Del.; Howard Charles McDowell, Syracuse, N. Y.; Louis Andrew Morenis, Scranton, Pa.; and Louis Charles Zurek, Springfield, Mass. Nineteen other members of this class were ordained by their bishops since last September.

Four Priests Celebrate Their Tenth Anniversary.

Geneva, June 6. The tenth anniversary of their ordination into the priesthood was celebrated on Thursday, June 6th, by four priests of this vicinity, including two whose work is at present in Geneva. The four were Rev. John Muckle assistant rector of St. Francis de Sales Church, of this city; Rev. William McPadden, assistant rector of St. Stephen's Church, of this city; Rev. John Massett, rector of the church at Stanley, and Rev. Daniel Quigley, assistant rector of St. Mary's Church, of Auburn.

The four young men were all members of the same graduating class of St. Bernard's Seminary, Rochester, and were all ordained to the priesthood ten years ago last Thursday by Bishop Hickey, of Rochester, in the Cathedral, at Rochester. A dinner was given for the four priests at St. Stephen's rectory and a dinner at St. Francis de Sales in their honor.

OUR LADY OF VICTORY.

A service flag will be unfurled at the 11 o'clock mass on Sunday June 9th, in honor of the 105 men from this parish who have entered the army and navy of the United States. Rev. A. A. Notebaert says that many of these men are already in France doing their share to make the world safe for democracy. The combined choirs under the direction of Professor Leon Achen have prepared special music, and the young men's club will attend in a body.

WEEKLY CHURCH CALENDAR

JUNE The Sacred Heart. 3rd Sunday after Pentecost 9 S. SS. Primus & Felician MM. 10 M. St. Margaret W. 11 T. St. Barnabas Ap. 12 W. St. John of St. Facundus 13 T. St. Anthony of Padua C. 14 F. St. Basil Bp. D. 15 S. St. Germaine Cousin V.

Rev. Ignatius J. Klejna

Seriously Injured In Accident.

Stanislaus Church in Hudson Avenue was injured seriously in an automobile accident near Buffalo on Wednesday night. He is in the Sisters' Hospital in that city suffering from a fractured clavicle, fractured rib, fractured arm and other injuries. In the accident Father Rodzai of Elmira was killed and Father Gulez of Wilmington, Delaware, injured seriously.

St. Francis Xavier

The order of masses on Sunday will be at 7.8, 9:15 and 10:30 o'clock. The requiem masses this week were for Susan Heining and Rose Meyer. Sunday is communion day for the Young Ladies' Sodality and the Children of Mary. Monthly extra collection will be taken up at all masses Sunday. The Sacred Heart Society met on Tuesday evening at a card party and social.

Mr. and Mrs. James M. McDonald

and family of Sudbury, Ontario, Canada, are visiting his sister, Mrs. John C. Flynn, of 398 Ravine Avenue.

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