DOMINION EXPERIMENTAL

Weekly News Letter

A mixture of one part oats, two parts tended.

should be fed with these rough-

bran or three parts oats, one part oil

Buy High Protein Concentrates on

Guarantee

When buying high protein concen-

trates for balancing a milk production

guaranteed analysis as given by the

a choice of concentrates is available, the

cheapest per 100 pounds is not neces-

sarily the most economical for raising

better method of comparison is to divide

the price per 100 pounds of the feeding

stuffs by the figure for the protein con-

A Honey Candy

will be the price per pound of protein

Try this one and be delighted:

1 teaspoon vanilla

1/2 cup chopped nuts

the syrup forms a hard ball when drop-

eggs, beating continually until the mix-

and pour-into a buttered pan until set.

Sunflowers for Ensilage

year one should not overlook the fact

that sunflowers can often be used with

advantage to supplement the corn crop

Sunflowers will sometimes thrive on land

that is unsuited for corn and usually

they produce heavy yields. They are

most frost resistant in the fall and

therefore may be cut later and used to

fill up the sila after the corn ensilage has

settled. This means a great saving in

storage space. Since sunflowers may be

harvested later than corn in the fall

they may also be seeded later in the

spring. This fact is worth remembering

in those cases where it becomes evident

that the stand of corn has been damag-

ed by cutworms or for any other reason.

Corn may be over-planted with sun-

flowers to thicken the stand, and har-

Persian Balm-the delight of dainty

feminity. Imparts a fragrant charm to

the complexion. Tones up the skin and

makes it velvety soft in texture. Cooling.

leaves a vestige of stickiness. Invaluable

for hands, face, and as a hair fixative.

Wonderfully soothing and protective. Es-

pecially recommended in cases of rough-

RADIO AS AN AID TO SHIPS

now know how important to them the

Several radio-direction-finding stations

are operated by the Radio Branch of

the Canadian Government Department

of Marine on the Pacific and Atlantic

coasts, on the St. Lawrence River and

shipping, beacons which are established

IT'S GLASS THAT DOES IT

It is just 50 years since Joseph Roch-

from Rochford's enterprise, and when he

famous men-Cardinal Wolsley and Isaak

can be done in this way.

ness or chafing caused by weather con-

vested at the same time, for ensilare.

syrup over the well beaten whites

Boil the honey, sugar and water until

1/3 cup honey

1/3 cup water

. 2 cups sugar

ration which is deficient in protein,

manufacturer should be considered.

the protein content of the ration.

will give strong and vigorous lambs.

The Free Press' Short Story

WATCH NIGHT

MARGARET E. SANGSTER

the surf. The roar of it was not a wind she lives alone in a boarding house. But somehow: it was a sea sound! still-" Hearing it. Anne buttoned the blouse of her bright wool dress higher against her throat as though to shut out not only the sense of chill but a memory that bothered her. She knew that she would never hear anything that reminded her of waves, again, without experi- who rescued me? I must see him." encing a sinking, desperate sensation, a sensation which had come to her nearly six months before when she had known her adventure, her great fear, and-her romancei

Here it was New Year's Eve; yet the whole experience was as vivid as it has been on that early July afternoon when Anne had left the crowd of memy bathers and gone swimming alone. She had come down the beach from the office in had thought to ask for the young man's making office group. Something, she did not know what unless it was fate had tempted her to undertake a long. it came to the sea.

This time, however, had been different! Anne never knew when the first premonition of disaster overtook ther: it happened before, not after, a first agonising cramp shot through her rhythmically moving limbs!

the situation when she found that her strength was going. She did realize, polymantly; that she was too far away from the shore for the other bathers to notice her struggles or hear her cries. and she knew that she was experiencing the first time she feared the depth of delicious excitement. the water beneath her.

expanse of sea and sky.

"I'm drowning!" she creamed again, see her rescuer again, and her voice rose more frantically than the office was back on the beach, un- It had happenend to her! aware of her plight. She also knew that her endurance was already gone.

her aching limbs still and tried to float. important and lovely to Anne. As She had scarcely the strength to pray; tiny child, when her parents were still yet she did pray. "Oh God." she plead- alive, she had gone with them and ed silently and piteously, "I don't want started the custom. Waiting up until to die! Don't let me drown out here the middle of the night had been, at in the waves. There's so much of life that time of childhood, a great even and happiness shead."

prayer back at her

Anne closed her eyes in desperation saying, gently, "Keep up your courage, meet her, held a challenge! Don't struggle. I'll get you to shore."

toward the distant shore line.

splash of the water. The face was no than the holiday spirit. the strong line of the masculine jaw.

to tread water. Despite his weariness, would arrange the matter.

the warm white sand. Her friends from her soul lifted as though on wings. the office were closing in on her. Even and she passed into a deep faint.

************************************ window- ably be better at home, and less

> Anne spoke for the first time since she had been taken from the water. strength. "But where." she broke off, with sudden anxiety, "where is the man

One of her office friends spoke. "Why." she said, "I don't know where he is. He waited until the doctor said there wasn't any danger, and then he left." "No matter." answered Anne: "I'll write

him a note to thank him."

did not, however, write her rescuer a note. In the confusion and the excitement of her accident, nobody which she worked, one of a holiday- name and address, and nobody had thought to give the young man hers -He had just swum into Anne Wood's

life and had drifted out again; but he She was completely had left an indelible impression upon sure of her prowess. The fact that the her heart and mind. Anne knew, as the water went to untold depths beneath her days went by and weeks became months. did not matter. She was unfraid when that the unknown young man's face was going to stand, for the rest of her life, between her heart and the faces of other young men! She went about searching for that face in crowds. In subway trains, and in elevators.

When she went to a hig football game along in November, Anne fully expected to collide with her unknown tri She did not know how to cope with thronged stadium. When the festivities of the Christmas season drew near, and the city was teeming with happy faces, least a glimpse of him. When she ceived a summons to the telephone in her boarding house, she always went a sudden sensation of hopelessness. For answer it with a sense of hope and frequently appeared in historic records.

Christmas passed, however, and so di "Oh, help! help!" she called, more as the week following Christmas, without a matter of course than because she event; now it was New Year's Eve. Anne. expected help. Her voice sounded weak making herself ready for the Watch and impotent in that vast and lonely Night Service at her church, told herself that she was defeated! She would never

it had before. Even as Anne screamed, scoff at it, but Anne knew that love at however, she knew that the crowd from first sight can really and truly happen.

Going to the Watch Night Service Turning over on her back. Anne held was a custom that made New Year's Eve She still felt a thrill of splendor when The sky overhead was cloudlessly blue she entered a church on New Year's Eve and brassy; it looked curiously smooth The Watch Night Service always gave and hard to the helpless girl-as she her inspiration for the year that lay stared up at it. It seemed to fling her ahead, and balm for the disappointments

of the months gone by. As she pulled a tiny hat over her against the hardness of that blue vista. curly hair, as she wrapped herself in Something, she did not know what, then her heaviest coat and went down the made her weary lids lift. As she again | boarding-house stairs and out of the stared upward, she saw that a miracle street door, however, Anne felt a sudden had happened. A face had come be- sense of intense loneliness! It was tween her and the sky; a strong hand feeling that she had never experienced was clutching at her limp body. Most on any New Year's Eve heretofore. I miraculous of all, a masculine voice was seemed as if the very wind, rushing to

Thrusting her hands into the pockets Anne tried to speak but she discov- of her coat and walking with her head that you could hardly see me. I drifted Gulf, and on the Hudson Bay and Strait. ered, to her horror, that her voice had bent against the bluster of the December about on top of the sea with millions of These stations furnish, free of charge, vanished into thin air. She tried vainly night, she hurried along toward the my brothers and sisters, and each day bearings to any ships fitted with directo smile, and had no way of guessing sanctuary of warmth and peace that the fish came along and guiped us up. tion-finding apparatus, and also mainhow pitiful her smile seemed to her her church would afford. As she hurried Only a few of us survived-I was one tain, for the convenience and safety of rescuer. She did not struggle as do along however, she asked herself whether of the lucky ones. most people who are drowning, however; or not the church would have for her the she was too adept at swimming for that. same peace that it had held on other bigger, I felt myself sinking. Down and ships. These radio beacons transmit Instead she relaxed gratefully against evenings; for on this evening she had down I went to the bottom of the sea, signals, with a range of about 50 miles. the arm that held her, closed her eyes, admitted defeat, a thing she had never and at last found myself resting on a every hour during clear weather and and felt herself being strongly towed admitted since a certain July afternoon. rock by the side of a lot of shells and continuously during thick or foggy Through the streets she walked on her sea enemones.

Just once during her progress shore- way to church, her mind as chaotic as I was now what fishermen call ward did Anne open her tired eyes. At the streets, which were certainly neither "spat," that is, a tiny perfectly-formed radio can take their bearings from the that moment she again saw the face still nor calm. New Year's crowds were oyster about the size of a pin's head, signals transmitted. The radio beacon of her rescuer, a face that turned re- thronging all about her; but Anne, It is the ambition of every good oyster is automatic, being controlled by a clock assuringly toward her through the trudging along, felt the confusion rather 'to find' a comfortable "bed" and stop which starts the machinery, keeps it

was nearer and somehow dearer. Anne slid into a long pew was she able to come to a bad end. knew that she would never forget that shake off her feeling of intense depres- I had found a very nice spot and high forehead, those steady gray eyes, sion. After all, here were warmth, light, there settled down to my thoughts. I and a great affection, an affection that thought and thought for about five years, She had gone out farther than she held her whole existence as in the hollow and all the time I grew bigger and are fond of comparing crops obtained in had realized on her solitary swim. Once of a tender hand. Swiftly she knew an stronger and fatter. Taking a look Germany and the Netherlands with or twice. through her half-conscious answer to her problem. If it were meant round from my "bed" I noticed that I those of British farms, but it isn't necesstate. Anne was aware that her rescuer that she should again meet the young was easily the biggest oyster to be seen sary to go beyond England to find what was breathing hard, that he was pausing man who had rescued her, surely God in any direction.

in her ears. "Keep up your courage, The minister had taken his place in the tance away, and saw, coming towards ample that cannot be bettered anywhere. pulpit. The organ oratorio was swelling me, a lot of horrible-looking hooks and Here land producing \$24 to \$40 worth At last Anne heard the rush of the to a great height, was dying gloriously grappling irons. Unfortunately, I could of food per acre with ordinary cultivasurf on the beach and was being drag- away again. Anne, caught in the thrillged up over the grateful roughness of ing rapture of the music, suddenly felt I felt myself whisked off the bottom glass.

"Oh, God," she prayed, "take my life as she tried to force her eyes open and and do as you will with it! May the shot out on the deck of a boat called an to grow tomatoes. The land of the dissay a word of heartfelt thanks to her fulfillments that should be mine come oyster-dredger. A man picked me up trict was then practically derelict, but rescuer, the world slipped oddly away to me only those . . . " So she prayed and cried "I say, what a beauty!" It amazing developments were to follow while the church filled.

her eyes from the deep slumber, that comes before a service is about to com- more. I was sent to a famous hotel; I the industry he founded, the Lea Valley followed her fainting spell. She was in mence. - The organ was again pealing was wrenched open by a brutal-looking had 450 miles of glasshouses, giving ema room in one of the tawdry beach hotels. out, but now it was the lovely old tune man, broken in half and then placed in ployment to 6,000 people. Two of the girls, with whom she had of the "Doxology," and Anne was rising a dish with alices of lemon and crushed The Lea Valley has memories of many that day journeyed to the beach, were with the rest of the congregation, to ice. beside her. There was also a man, who, sing. "'Praise God from whom all blessings flow," she sang with the rest of I am half-frozen and shan't be sorry but none of them has done so much for "Of course you can take her home the congregation. "Traise Him-"

All at once she stopped singing; she could not go on! Her eyes, glancing across the aisle into a new not farther. than a stone's throw from her own had caught a glimpse of a young, serious face, a face with steady gray eyes, a strong jaw line, and a high, noble forehead. As she saw that face. Anne heard again the beat of water against her

said all of the things that their souls since they had seen each other!

and was seating itself, as one person, Anne, also, sank back in her seat, feeling a trifle dizzy; but there was a great gladness in her heart.

She found herself wondering how she would be able to concentrate on the pastor's sermon. It would be hard to could not help realizing that some one. some one whose name she did not even know, would be waiting for her in the vestibule when the service was over!

HISTORY OF HEMP

more than 5.000 years ago, and for centuries was the king of fibres. To-day. cheaper fibres are competing with hemp in the cordage factory.

Hemp sails dropped out of sight with the manufacture of cotton sails and the development of marine engines; hemp rope met a bitter rival that unseated it when mariners discovered that abaca fibre, which is called Manilla "hemp," was cheaper, would float, and did not require the application of tar: hemp cotton-bale wrapping bowed to Indian jute and waste cotton; and 20 years ago carpet manufacturers substituted cotton and jute warping for hemp.

Hemp is a cousin of the mulberry tree and a native of Asia. Since 2800 B C., when a Chinese Emperor taught his subjects to cultivate hemp and to make hemp cloth for clothing, hemp has The Chinese also ate the seeds and extracted an oil from the plant.

Hemp followed civilization westward. Before the Christian era the Indians. Arabians and Persians were cultivating hemp for drugs, which they learned to extract from the plant. The Scythians took hemp with them to Europe 3,500 Love at first sight? Blase critics might years ago. Hemp's drugs attracted strength of its fibre-hemp is the strongest of all fibres-brought it into wide use on the sailing vessels of the Mediterran-

Hemp invaded the Western Hemisphere in 1545 when some seeds from Spain reached Chile. North America began to cultivate hemp shortly after Puritans settled in Massachusetts, but the southern colonies were more successful with their plantations. Laws promoting the hemp industry were passed refreshing, it is delightful to use. Never by the early legislatures of colonial Virginia. Lancaster, Pennsylvania, was the centre of a large hemp-producing region during the Revolution.

attended to, cause convulsions and often minator will protect the children from

THE LIFE OF AN OYSTER

I started life as a tiny speck, so small

One day, when I had grown a little at a number of light stations and light-

weather, when visibility is so obscure as a to impede navigation. Ships fitted with there. A few naughty oysters like to go in operation for a predetermined period, longer between her and the blue sky; it Only as she entered the church and gadding about, but they nearly always and stops it at the end of that period.

One day a terrible thing happened. I The Lea Valley glasshouse trade which however, his voice sounded comfortingly All about her the church was filling. heard a harsh grating sound some dis- has just celebrated its jubilee, is an exnot get out of the way, and suddenly tion yields \$6,000 to \$8,000 an acre under into a kind of coarse net.

The next thing I knew I was being ford erected a glasshouse at Turnford was nice to be admired.

Dusk had fallen when Anne opened A sudden hush fell, the hush that Alas, in a short while I shall be no died, just before the 50th anniversary of

I am to be served at a dinner party; Walton, James I and Lord Burghleywhen all is over. Farewell, everybody. it as Joseph Rochford.

for wood. Oak, mahogany and the soft oats daily. Mixed hay and grass hay vehicle stock, box construction and coop- for some years. are also good if properly supplemented, erage, and its use is being steadily ex-

Always regarded in Canada as a good flooring material, birch is exported to the United States in large quantities The congregation was singing, "Amen," keep in mind that only well fed ewes for this use, and in the United Kingdom it is gradually being introduced for flooring purposes. Birch flooring in suitable dimensions and with the proper moistur content to conform to the requirement of British trade, is expected to supply in United Kingdom markets an outlet for a large quantity of the better Can-

> For furniture and fixtures birch has long been used in finishes as closely resembling walnut and mahogany a posible. Of late, however, it is appearing in distinctive finishes, and is being sold as birch and not as a substitute for the woods mentioned. In panelling, tent as given in the analysis. The result too, birch may now be seen in natural finishes, the wood, selected for color and matched for grain, presenting a beautiful appearance. An exhibit of selected yellow birch finished with wax only. over a white birch flooring, was seen lately. The exhibit which was presented by the Forest Products Laboratories of the Dominion Department of the Interior, included as well a birch desk with a figured veneer top.

When treated with a preservative, to ped in water, 20 degrees F. Pour the which birch readily lends itself, a long, active life under severe conditions is added to its natural strength and hard wearing qualities. Cresosted birch has ture thickens, add flavoring and nuts been used for the flooring of the wharves and plers of the Saint John harbor work now nearing completion. In addition, In planting the ensilage crop for next treated birch is used for "top pins" of

telephone and telegraph poles, on which insulators are placed; for railway tles Though steel, concrete and cement in terminals or switch sections of track are being more and more used in con- where heavy traffic requries a hard struction work there are still many uses wearing tie, and for other similar uses. cheese, and soft, or unpressed. The Birch is now being used in increasing hard varieties include Cheddar. Chewoods have long been used as also has quantities for motor car parts, principal- shire, Swiss, Eram and other less known birch. Agricultural and Industrial Pro- ly for frames and steering wheels. In varieties. Among the soft cheeses the gress in Canada notes that birch is being the United Kingdom a trial shipment of used much more commonly and is prov- birch forwarded some time ago for motor build up her reserves and develop a ing a valuable source of timber. There car frame proved successful, and has Well cured alfalfa or are seven native varieties of birch, the since been followed by several more clover hay, if available, will practically most valuable being the yellow birch, shipments for this purpose. In Canada supply all she needs. However, a breed- which is a native of Quebec. Ontario and the United States, Canadian birch ing ewe in poor condition should re- and the Maritime Provinces. It is used has been one of the three or four stanceive in addition 1/4 to 3/4 of a pound of for furniture, flooring, cabinet -work, dard woods used for motor car frames

Boss-All right, my boy-if you can find it you can start there.

Fall-born heifers from six to months of age should be provided with good grass paddock during their first summer says the Dominion Animal Hus-

wholly to the cheddar type.

KINDS OF CHEESE

The different kinds or types of cheese

are roughly divided into hard, or pressed

Another class is the mouldy, or blue-

and pronounced flavor. Canadian cheese-

makers confine their activities almost

WARNING!

To Delinquent Taxpayers

Notice is hereby given that all arrears of taxes not paid on or before Saturday, December 30, 1933, will be published as usual in the Annual Auditors' Report for the year. The books of the Municipality close with the end of the calendar year and the Auditors' Statement is prepared just as the books appear at that time.

TAXES MUST BE PAID BEFORE DECEMBER 30 TO AVOID PUBLICATION IN THIS REPORT

H. N. Farmer, Clerk

Acton, December 18, 1933

will never regret having taken a little time for the serious study of food and the most modern ways of preparing and serving it-for there is nothing else you can do which will contribute so much to your personal satisfaction, or to the health, happiness, yes, to the wealth of a family.

THAT EVERY GIRL MAY NOW LEARN TO COOK

anna Lee Scott

Canadian Cooking School New, Easy Twelve-Lesson Home-Study Course

HIS COURSE has been prepared so as to give the utmost in sound information for the least possible amount of study. It presents the true fundamentals of the regularly recognized course in cookery in so simple a manner that a child will understand it -yet it is so thorough and so interesting that the busy business girl or the busy housewife will instantly appreciate its worth to her. The first lesson will appear in our columns on January 18 At the conclusion of the course there will be FREE examinations for those who. care to take them and handsomeCanadianCooking School diplomas awarded FREE to those who write satisfactory examinations.

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