ferings ence World

dows - Origin of Parrot Fever rization by tricity

rid in which we ard tmospheric pressure en pounds to the fect dead matter to in of Harvard has everal different of which can exist re and must therebrough windows,

yet been devised pressure 61 more 10 pounds to the then only if the ng medium is a ater or alcohol the 60,000 to 120,006 is in question are mitted to the col neezing the liquid e studies at high unning the risk of iws, Drs. Thos. C. s Buckley of Iowa describes in The ey believe, will be in glass or fused rds are very small about a twelfth of ss and little more hey have sucressessures of 332,500

mage. AN WE FLY?

one of the great relation of nerves and also on the hat take place in inducting some ex-, rats, guinea pigs er what altitules aviators with the an aviator climbs he atmosphere behinner. Hence, by in tanks . which imitted and from be exhausted Dr. le conditions enheights.

given an efficient s and an hour exygen before the ish out the mitroa pilot might atsibly 55,000 feet. god without serditions equivalent feet. In other to be no technical eason why fliers close to equaling ten miles.

-ITS ORIGIN. blis first heard of igo, psittacosis, as tot fevet, is comsupposed. Accordster Public Health may be spread but by love birds bly by climbing During the 1929 de health officials lieve that it was the importation cope with parrot bought that the m places where

stoms are chills, fintensified in the leveling and chest s eften mistaken evere cold. It is adults than the 1929-30 epidemie persons older afflicted was as The only effective of serum obtainho have successdisease.

nised and kept in

EURIZATION e Electrochemical

G. King of the burgh announced companies, situand two foreign pasteurizing apgallons of milk ml process. He e possibilities of tion because the apt to overheat effects.

e of such chemiit can be heated trnating current. ling at any one lik server as its Thus the usual heat from a hot se cool liquid is

of electric pasis but slightly mosphere and to he original flavor ivity of vitamia

estimated in this his conduct.-L/

h forethought to have too lis oo!.-Cecil.

Farm Queries

Henry G. Bell, B.S.A., Dept. of Chemistry, O.A.C. Address All Letters to Farm Editor, 73 Adelaide St. West, Toronto. All Answers Will Appear in this Column. If Personal Reply is Desired, Enclose Stamped and Addressed Envelope.

The time is here when many market approximately 50 lbs. of potash in 100 gardeners and farmers are figuring on lbs. muriate of potast There are 120 their fertilizer needs, and there are lbs. in 100/50 x 120 = 240 lbs. muriate some questons which come to us very of potash. Therefore we will require often. Here are five with their ans. 240 lbs. muriate of potash. wers:

1. What does a fertilizer analysis requirements. 84 lbs. tankage + 175 mean?

Answer.—On every fertilizer ship superphosphate +240 lbs, muriate of potash = 1999 lbs. fertilizer. ment there is a tag attached which bears two sets of figures. Let us say, for instance, the top one is 402 and beneath it you find 2-12-6. The 402 means the license number for the making of this type of fertilizer. Every thing of the sort, to give good drilling fertilizer manufacturer has to take out | condition to the fertilizer. a license for the manufacturing of every brand which he sells, the same merely to aid in identifying filler than 2-12-6. Speaking generally, the manufacturer of the fertilizer after it has gone out to the store house less filler it contains.

a record of the plant nutrients that ewes, shortly before the lambs are due it should be 'than I.' " the bag contains. The 2 means 2% to be born. It is most frequently seen nitrogen; 12 means 12% phosphoric on farms where sheep are kept closely George Saintsbury - who passed acid, and 6 means 6% potash. On confined and too liberally fed. Too on recertly - gave this as his definievery bag that contains this tag the much concentrated feed without suf- tion of Idealism: contents must analyze as guaranteed. ficient exercise to use up the digested "It is something that you think Underneath these figures there is a food, from day to day, results in an nice, something that you claim for guarantee of the availability of the accumulation, of fat and glycogen, yourself, and especially something carriers of nitrogen, phosphoric acid which brings about such body changes, that you refuse to your opponents." and potash.

2. I have read about a filler and I removal of poisonous body wastes. carrier. What do they mean?

soil fertility should get definitely in the development of the condition "be- out their tongues, says Henrietta mind that the crop cannot use the pure fee lambing paralysis," is seen in the Sands Merrick (in "Spoken in Tibet" elements - nitrogen, phosphorus and production of heavy twin lambs. This -a delightful account of her advenpotassium. It gets these elements is due to the fact that the wastes from turous journey to the Forbidden combined with others from the soil, the bodies of the developing lambs I and.) from manure, and from fertilizers. | must be removed through the circula-This, then, establishes the need of a tion of the pregnant ewe. This puts iginated during the religious wars," carrier. Manure is a carrier of all an additional tax on the ewe, and the she explains, "when the red sect lamas three. The average ton of well stored more numerous the lambs the heavier had power to cast spells from great manure carries from 10 to 15 lbs. of the tax. So the ewe carrying but one distances by means of the simple renitrogen, 4 to 7 lbs. phosphor'c acid lamb is less likely to develop the dis- citation of mantras. and about 10 lbs. of potash. One hun- ease. Proper feeding and provision dred pounds of nitrate of soda carries for exercise will largely eliminate 15 lbs. of nitrogen, the rest of sulphate these losses. Overfeeding pregnant volent spells turned their tongues of sodium and oxygen and impurities. ewes with alfalfa and other nitro- black, it is said, so in order to detect One hundred pounds of sulphate of genous hays has frequently been their enemies, the opposing yellow-cap ammonia carries 20 lbs. of nitrogen. blamed. It would be better to reserve lamas forced all captives to show The rest is made up of hydrogen, sul- the alfalfa and other rich feeds until their tongues, that those found to phur and oxygen. In other words, the after the ewes come into milk. Epsom have black ones might be put to death. purest forms of the plant foods as they salts can be used to advantage in such | The voluntary showing of the tongue are commonly but rather incorrectly cases. called, are simply carriers, since the pure element itself must be mixed with some other thing before it can be carried to the plant and taken up

A filler is an entirely different thing. A filler is inert material that supplies no plant food, which is sometimes put In to make up the rest of the ton. My meaning will be clearly brought out in the answer to the next question.

3. How do you figure out a fertil-Izer analysis?

Answer .- Let us take 2-12-6 3 an instance. This means that the ton carries 2% nitrogen, 12% phosphoric acid. and 6% potash. Let us take all these percentages of a ton. This would mean that the ton of 2-12-6 would supply, of nitrogen 40 lbs., of phosphoric acid 240 lbs., of potash 120 lbs. Now let us, theoretically, and practically if you wish, make this fertilizer up from the following constituents: nitrogen phosphate; potash rom muriate of potash. Let us say in the 2% of nitrogen that is required we get 14 % or 5 lbs. from tankage supplying 6% of nitrogen. This means that there are 6 lbs. of nitrogen in 100 lbs. of tankage, There is 1 lb. in 100/6; there are 5 lbs. in 100 x 5 = 84 lbs. We

will therefore need 84 lbs, tankage. Let us get 1%% of nitrogen from sulphate of ammonia. There are 20 lbs. nitrogen in 100 lbs. sulphate of ammonia. Therefore there are 35 lbs. in 100/20 x 35 = 175 lbs. sulphate of

ammonia. Our formula calls for 12% phosphoric acid or 240 lbs. of phosphoric acid. In superphosphate there are 16 lbs. phosphoric acid in 100 lbs. of superphosphate. There are 240 lbs. phosphoric acid in 100/16 x 240 = 1500 lbs. superphosphate. We will require, therefore, 1500 lbs. superphos-

legarding potash, our formula calls Burke.

Amusing Anecdotes Of Famous People

sand or ground limestone, or some-

The above is the way that fertilizers

Before Lambing Paralysis

English Poetry

That with the strong rein of com-

. . O heavenly Eloquence,

manding words

their swords,

neglect? . . .

"I know I'm going to have trouble

"He's already begun advertising

"What makes you think so?"

himself as a lover of peace."

with my new neighbor."

eminence

affords?

literary career. Maugham's answer was quite brief:

for 6% or 120 lbs. potash. There are to go to the mischief.

quite shocked at the idea and ex- room to fetch his clothes-his moveplained that what she wanted on was "more the technique of novel writing Now let us add together all of our if you understand what I mean."

lbs. sulphate of ammonia + 1500 lbs. Maugham did understand, and in a sketch. the goodness of his heart sent the lady a long letter, since published in the "Bookman"-filled with valuable make this up to a ton we will have to add one pound, and this one pound is advice. In it he modestly said: filler. It may be composed of fine dry

"I am sure that there are a great many people who are much better qualified than me to give your son hints on this difficult matter." To which the lady from Boston re-

are made up. Lower grade fertilizers such as 2-8-2, which is now not lawful written me such a long and careful it down at once for fear that I might to be made, used to require much more letter, but since I wrote to you last forget it." the higher the grade of fertilizer, the my son has decided to go into the

bond business." The second set of figures, 2-12-6, is This disease occurs in pregnant ed at your writing 'than me." Surely

as will cause interference with the Neat!

heard a neighbour talking about a Pregnant sheep that are not given. Tibetans exchange no word of range, or forced to exercise, should be greeting with those they meet on the Answer.-Everyone interested in carefully fed. Another factor favoring read. The lowliest ones instead stick

"It is related that this custom c

"Their oft-repetition of these male is intended to prove that they are not hostile."

Well, well! Mrs. Merrick-a seasoned traveller and absolutely fearless-went part of Dost manage, guide, and master th' the way by air. She flew from England to India-5,500 miles in seven days! A thrilling adventure in itself. Of men's affections, more than all Once on the long voyage, the pilot Shall we not offer to thy excellence passed a note to the passenger, read-

The richest treasure that our wit ing: "Don't be alarmed if you're knocked about a bit now. We're about to land Thou that canst do much more with and it's apt to be rough with this wind. Look out that things in the Than all the powers of princes can racks don't fall on your heads."

And draw, divert, dispose and fash- Later the pilot gave a humorous exceedingly youthful besides being impersonation of the passengers as smart and practical. Better than force or rigour can seen from the cockpit—which will be It is simplicity itself to fashion it. Should we this ornament of glory distance:

"The cudden cessation of automatic As th' unmaterial fruits of shades, chewing; the rolling of eyes in the in brown and yellow tweed-like direction of the engines, especially if woolen. monia; phosphate from 16% superpurr evenly; the gestures of distress 12, 14, 16, 18, 20 years, 36 and 38 built by Logemann Bros. Co., Milwhen "bumps' occurred; the slow, inches bust. thoughtful resumption of chewing when anxiety is momentarily relieved; inch material with 2% yards of 39- or truck, and to reduce it to a comthe very rapid chewing when they inch lining. want to assure themselves there is no need for alarm; the frantic way they jump up and punch already secure

> rell, the author-statesman, who was Secretary for Ireland at the time of the Easter rebellion in 1916. In his his profession, is doubly ruined. He "First, a low-presure horizontal early days at the bar he accepted a adds his soul to every other loss, and traveling ram, capable of exerting brief marked fifteen shillings. The by the act of suicide renounces earth 360 tons' pressure, advances against same evening he was arraigned before an impromptu court at the bar mess and accused of unprofessional A speculative despair is unpardon- conduct for taking so low a fee. His worth its cost, while a good conscience charging chamber is reduced to 102 my heaviest handicap — temper. —

he had taken all that his client had.

Rodin had no head for titles for his works and was usually indebted A few years ago an anxious mother to his friends for the names by which wrote to W. Somerset Maugham, the his sculptures were known. For innovelist, asking him to tell her in a stance, this is the history of his "St. few words what was the next step for John the Baptist," as told .y him to her son, who was soon leaving Har- Frank Rutter, the art critic, and revard and was determined to adopt a told by Rutter in his reminiscences: One morning things had gone very

badly. Rodin could not get his mode "Give your son one thousand dol- to take up a satisfactory pose, and lars a year for five years and tell him having wasted several hours he gave up in despair and told the model he The lady, who lived in Boston, was could go. The man strode across the described. ment was admirable.

"Stop!" cried the sculptor, "stop you are, and hold it." Then he began feverishly to mal

When the statue was finished Rodi had no idea but to exhibit it with the title, "A Man Walking," but soon afterwards in came his friend Octave Mirbeau, the critic and novelist.

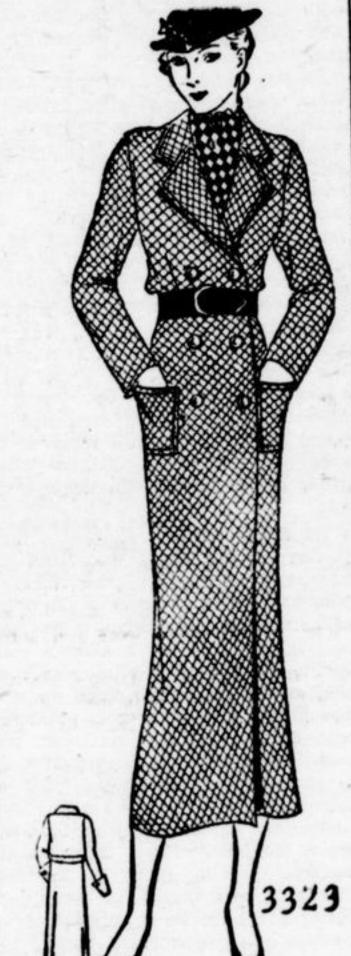
"Magnificent!" said Mirbeau.

read your purpose: "It's John Baptist, of course." "It was an idea," Rodin naively "It is very good of you to have confessed to Mr. Rutter, "and I wrote

Then she add a P.S. "I am surpris- A Good Looking

By HELEN WILLIAMS.

Illustrated Dressmaking Lesson Furnished With Every Pattern



A good-looking sports coat that is

The original carried a sportive-air Style No. 3323 is designed for sizes

Size 16 requires 2% yards of 54-

HOW TO ORDER PATTERNS articles in the rack when such a ly, giving number and size of such of saleable value, roll one at a time warning as we had just received was patterns as you want. Enclose 15c in down an incline from the disassembly given them. That was what we all stamps or coin (coin preferred; wrap line into the maw or forward end of it carefully) for each number, and the press. An 8-ton hydraulically opaddress your order to Wilson Pattern erated steel gate is dropped down to

> The gamester, if he die a martyr to compression cycle is commenced. to forfeit heaven .- Colton.

able where it is our duty to act. defence, which was deemed satisfac- never costs as much as it is worth. 102 cubic feet when the horizontal Van Amburgh. tory, was that his conduct could not J. Pitit-Senn.



was always taught to keep silence. Tralafgar Square, to "stand for a few cesses, even nowadays, do not get too

around the Council Fire.

very out of place for a youth, who had their audience, returned polite thank Both the princesses are fair, like completed his tests of manhood and your for proffered advice, but went their mother, Queen Ena. Beatrix, the had been admitted to the council, to ahead with their own quiet talk and elder is 23, a blonde with blue eyes have too much talk. They considered planning. Finally they rose, one put Maria-Christina is 21, with hair that "I that a man who could at all times con- away the compass, the other folded is almost Titian and darker eyes than trol his tongue could also control his the map, and without inquiry of any- those of her sister.

back," does not "jaw." He only speaks of the Empire," their demeanour, and They are expert knitters, the pullovers when there is something important to the confident manner in which they and sweaters worn by their brother,

member. They are-"A still tongue It provided a unique demonstration, They acquired this accomplishment Sport Model makes a wise head" and "Empty ves- the Hon. Mr. Finlayson felt, of the in order to be useful to their father sels make most sound."

> able to hear the opinions and the in- ing. formation which is being offered by others.

the value of silence. A 90-Year Old Rover Scout A Rover Scout Crew of Saskatoon, Greek Catholic, 1; Friends, 1. ing his 90th birthday. Scout Parr announced that his special good turn pitals, Canadian Legion, I.O.D.E., Rowould be kicking banana peels off the tary and Lions Clubs, etc., make up sidewalks so that others older than the balance.

himself might not slip and fall. Royal Interest in Scouting 76 Siamese Scout leaders attended a you are a boy between 12 and 18 years

Palace grounds at Bejrapuri. At the Heart of the Empire Lands and Forests, at the annual Troops. meeting dinner of the Ontario Scout ance of the Boy Scout Movement. 330 Bay Street, Toronto.-"Lone E."

Baling Old Autos

out and junked cars.

ram reaches its maximum stroke. The remarkable growth of the autoproblem of how to dispose of worn-

doned to rust away. Every automobile has some value bale. "Upon release of the pressure, the as scrap-metal. Three years ago the Ford Motor Company conceived the high and low-pressure rams recede, idea of dismantling cars in a large- the gate raises, and an ejector ram There is one princess who must find scale way and remelting the steel moves forward from the left side of a husband, the plump little Dutch scrap in open-hearth furnaces. Satis- the compression chamber. At the Princess Juliana, who has a seat in fied with its first efforts, the company same time a bucker-up ram recedes to the Dutch Council of State and ar increased its operations about a year the right; thus between the two rams income of £16,000 a year. She will ago by the installation of a 1,000-ton the densely compacted bale of steel be Queen of Holland one day, and s hydraulic press for reducing the cars scrap is discharged onto a conveyor Prince Consort must be found for her recognized by all who have flown any And the saving in cost, simply enor- to bales, and a 400-ton furnace to re- and then taken to the open-hearth one thing the family is devoutly melt these large bales. Says a writer furnace.

in "Steel" (Cleveland): "The press, said to be the world's largest baling press, was designed and waukee, and has sufficient size and power motors, this type of pump per- simply and democratically as a girl, power to hold a complete automobile pressed bundle of open-hearth charg-

ing size. Write your name and address plain- stripped of engines and many parts Here is a story of Augustine Bir- Service, 73 West Adelaide St., Toronto. close the opening behind the car, and with the charging chamber sealed, the mechanically."

> the front of the car and crushes it sist on being alone. It saves my from a 17-foot length to 30 inches. reputation for being explosive and Money dishonestly acquired is never T12 697 cubic foot capacity of the dangerous, and for years this was

Indian Wisdom For Lone Scouts | While in London in 1929, the year of countless ceremonial duties of a royal The Indian, from earliest childhood, the World Scout Jamboree, he visited existence, some may think that Prin-You will find in all Red Indian stories minutes of reflection at the heart of much fun out of life, but Europe's that the stolid silence of the Indian is the Empire." There, before the Nel- princesses seem to find life care-free. son Monument, he was somewhat up- First take Infanta Beatrix and the Above all a Chief was expected to set to find a considerable crowd, pos- Infanta Maria-Christina, daughters of be a man who could "hold his tongue" sibly listening to the harangue of a ex-King Alfonso. until such time as it becam necessary "Red," or some other intruding voice. They are still surrounded with the for him to speak, to his braves, words In its centre, however, he discovered atmosphere of a Court in their exile of wisdom in the Council Lodge or two East Indian Boy Scouts bending home in Fontainebleau, but they seem over a map of London, laying out a reconciled to the loss of actual royal

The Indian knew only too well the sight-seeing tour by compass. "folly of words" and it was considered The boys, quite undisturbed by are now freer to choose husbands! one they set off. The discuvery of They are very modern young women Too much talk is the sign of the these two young representatives of In- smartly but simply dressed, and al-Tenderfoot. The old hand, the "moss- dia, pilgrims like himself to the "heart ways busy doing something useful planned their sight-seeing through the Prince of Asturias, being their There are two wise sayings which intricacies of the world's greatest handiwork. They are also good short-

every Lone Scout would do well to re- city, left a never-forgotten impression. hand typists. Scout ties of Empire friendship and after the Revolution. Remember, if you are too busy mak- loyalty, and as well of the practical Rumor has been busy with their ing a noise yourself, you will not be and unversal value of the Scout train-

ins, Don Alvaro and Don Alonzo of Ontario Scouts of Many Churches The 1932 Boy Scout census report Spain, but for the moment the prin-So Lone Scouts will follow the ex- for Ontario shows 338 out of 516 Scout cesses are heart-whole and care-free ample of the Indians, and remember Groups sponsored by churches: Anglican, 172; United, 79; Presbyterian, 46; Roman Catholic, 21; Baptist, 13; limbrey's Own, recently invested as an greatest increase was in United honorary member Scout E. Parr, near- Groups. Interdenominational community groups and units sponsored by hos-

Scouting is universal, interdenominational and non-political. There is a On invitation of the King of Siam place in this organization for you, if month's training camp on the Rama of age, anxious to make the best of your boyhood, and keen to grow into a good citizen of Canada. The Lone Scout A happening at the foot of the Nel- Department is especially interested in son Monument, Trafaigar Square, Lon- boys who live in small towns and vildon, was described by the Hon. Wm. lages or on farms, and who cannot be-Finlayson, Provincial Minister of long to regularly organized Boy Scout

You can find out about this movepoverty is the Princess Eudoxia of Association, as the incident that had ment by writing to The Boy Scouts Bulgaria, sister of King Boris, for first interpreted to him the signific- Association, Lone Scout Department,

whom she kept house before his mar riage to Princess Giovanna of Italy

The King's Civil List amounted to only the equivalent of £3,000 a year "As the horizontal ram holds the out of which he had four palaces to recrtially compressed car firmly for- maintain. Although there have been mobile industry has sharpened the ward, a vertical ram, weighing 17 rumors of engagements, the princess tons and operating at right angles, remains a bachelor girl-from choice descends from above to effect the final it is understood. She is 34, not re Some are disassembled for usable compression. Backed by a 1,500-ton markable for beauty, but keenly intel parts and remelting scrap; some are pressure, this down-stroke ram crush- ligent and with a ready wit. sunk behind breakwaters to serve as es the car to an average height of Princess Eudoxia has paid frequen ballast; but the majority are aban- from 10 to 30 inches. Heavy trucks visits to England and Scotland, but for

are compressed into a 30-inch high the most part she prefers to travel in her own country.

L'ooking for Husband.

Princesses of To-day

Old Order Changed-Daugh-

ters of Royalty Less Hem-

med in By Etiquette

Overawed by Court etiquette and the

domain. Perhaps it is because they

marriage plans, the names most often

mentioned being those of their cous-

Maria of Italy.

tall dark and beautiful Princess Mar-

ia, the King of Italy's youngest daugh-

who have been reported engaged to

her are Prince Sigvard of Sweden

(Princess Ingrid's brother), and Prince

Otto of Hapsburg. When Prince Cyril

of Bulgaria recently visited the Ital-

ian Royal Palace, the tongues wagged

But although she is of full age, ac-

cording to Italian law, the Princess is

still bent on enjoying life. She is the

youngest of five sisters, and resem-

bles her mother, who was a princess

of Montenegro before her marriage to

Remains Unmarried.

A princess who knows comparative

ter, who is only 18. Among those

Rumor has also been busy about the

More Carefree

"The powerful rams and their tre- Protestant, and for another, the Conn.endous pressure operate from large stitution of Holland forbids marriage double-pressure cylinder pumps. Op- with the heir to a foreign throne. erated in this instance by 300-horse- Princess Juliana was brought up very

mits high-speed action at the begin- but when she became of age-at 18 ning of operations when required three years ago-her mother began to pressures are low. When a predeter- prepare her for the exalted station she mined pressure or resistance point is will one day occupy. She went to the reached, the low-pressure, fast-mov- University of Leyden, and the most "The derelict automobiles or trucks, ing cylinder automatically cuts out, celebrated tutors and master were as and its high-pressure, slower, but far signed to instruct in the queenly arts stronger mate in the second cylinder Meanwhile, all talk of betrochal was promptly contradicted by Queen Wil-"All press operations are handled helmina.

by remote control. One man directs The princess is somewhat shy, but every move by simply turning a hand- her shyness conceals remarkable talwheel to which all functions respond ent. She is well versed in history and economics, is a true sportswoman, and an artist in watercolor painting. Sta has sacrificed many personal pleasures to fit herself to carry on the When I get good and angry, I in- traditions of the throne.

Northern Princesses.

There are four Scandinavian prin cesses awaiting candidates for their

They are all young and attractive, and with one of them at least, rumor has linked a member of the British royal house as a prospective husband. This is the lovely and versatile Prin-

cess Ingrid of Sweden, who is 22. Her engagement to Prince George was officially denied last year after London and Stockholm had been alive with rumors. Rumor had previously linked her name with that of the Prince of Wales, the Crown Prince Frederick of Denmark, the Comte de Parls, and the Count Nils von Rosen, an officer in the Swedish army.

Whoever is the eventual chosen sultor, he will be a lucky man, for the Princess is capable, intelligent, artistic and domesticated as well as being beautiful. She is an expert linguist, musician, artist, and can cook and sew. She dances gracefully, ridel skilfully and enjoys swimming. She is a great favorite with her grand father, the Duke of Connaught.

Mutt's Always Right.

completes the operation.

ANGER

