THE CHEMISTRY Should Engage the attention Every Woman

mic Association, at meetings held in the Board the Technical School making "The Chemistry of pecial study this winter ularity of the subject was shown at the last meeting of vious season, when, with and ace of over forty members, the on of each, in turn, was the president, and this subject next year's program was c thout a dissenting voice the eral desire being to devote more this branch of the work tudy the subjects included, mor itail, than had been possible only an occasional meeting di season had been set epart dictetics.

The following program was pr nd distributed amongst the me and their friends, and the attende the meetings has increased he interest developed encouragin December-Food-Digestion and nilation. Use of foods for b ccessity of variety of foods. Oh cal composition of foods.

January- Water - Properties ater. Its function in the body. f water in cooking. February - Mineral Matter-Caring grates. | Starch. Sugar. Chemical composition. Cooking. Food V

Warch-Fruits, Vegetables, and Co General composition. Mineral natter. Parts used for food. ing of breakfast foods. April—Fats and Cils — Different composition. Adulteration.

lay - Albuminous Foods-Flesh rining foods. Composition. Pro effices. Effects of heat. The addresses, papers and discus

ons on these subjects so far have roved bright and helpful and the so y hopes to furnish synopses of se for these columns from time to here is no doubt that the study

l proper understanding of the prines of household economics should age the attention of every woman. ng or old, and yet it is a strange t in this age of advanced thought. hen most people aim to keep the nd well informed on the practical blects of life, that health, and the elth-giving princip es which should nderlie the building up of the home e scarcely considered. Among the ding subjects sturied by the Canlian Household Etonomic Associaon are the constriction and santion of the house which includes ating, ventilating, lighting, plumbuld have a model home, artistic, scful kand economic furnishing care of the body, cleanliness, t, exercise, clothing, the mental. hysical and spiritual development the individual; in fact, everything hage the attention of every young hat relates to the health and hapness of those who live in our The selection and cooking of food is one of the most important ools to the home-maker. Mothers requently, in ignorance, cater to the before them good wholesome od to build bone, muscle and nerve. Henry Thompson says "that the selection of food is to be considered in relation to a principle in which we may certainly believe, namely, that the aliments most adapted to velop the individual sound in mind d body, shall not only be acceptle to the palate but that they may selected and prepared so as to ald scope for the exercise of a refintaste, and, produce a fair degree an incident pleasure naturally asjated with the act of eating and fived from the study of the table."

#### A PHONOGRAPH STORY.

young cafe concert-singer recentapplied to the Paris police for .. a trant against her former lover, b, she asserted, had frequently eatened to kill her. The young was summoned. to the policetion, but promptly denied, the erge, and in the absence of conmation of complainant's statement

Police Commissary had to let go. The girl thereupon benight herself of an expedient, and about an hour later returned to the (ion with a witness in the shape phonograph. She explained that lover's threat had been made le she was singing into a phonograph and it had occurred to her the incriminating words might have crept into the instrument, in' the midst of her song. This proved to be the case, and she had no difficulty in reproducing the song before Commissary of Police. The voung man was again sent for, but time did not respond to the

> on can be drawn into thinner than any other metal except

## Werves

eak and Exhausted—You Nerve Food.

led in more or less mystery by the tration, paralysis or locomotor ataxain so insidious is the approach of have them all, but if you have any

expenditure of nerve force may bring face and eyelids; fatiguing sleep. before the eyes; irritability and rest-

ariness and depression, and loss of daily income, physical bankruptcy is

s can best be accomplished by the the very elements of nature which selves. They come on gradually as ce is restored.

endorsement by both physicians and g of the wonderful benefits derive ers or I imanson, Bates & Co., The NOTES AND COMMENTS

The more carefully we carefuler the treaty between England and Japan the more clearly must we recognize the magnitude of its actual and prospective significance. It is no exaggeration to say that this international compact has revolutionized the situation in the Far East. This is true, whether we look at its effect on the contracting parties themselves, on Russia, which suffers by it; on China, its beneficiary, or

on powers less directly interested. At a stroke the treaty relieves Engto be preponderant. Should her interests in that country now be threatened, she would be strong in she has been weak, for through her alliance with Japan she would have at her disposal a land force superior in numbers, discipline, equipment and efficiency to any that a European the Far East. Equally patent is it, anything to fear from the combined Britain complement each other; and, together, constitute a whole which is locally irresistible.

Pritain falls as an extinguisher. If ly behavior on great occas thur will become valueless for mili- go by fits and starts. It toils on tary purposes, inasmuch as, traversing foreign | territory, it could be obstructed at any hour. The hope, too, must be renounced of securing a blessed. I propose to plead for naval station on the southeastern coast of Corea, and of thus con-Arthur, which, being thus condemn- two or three villages are overwhelm- we can't in this everyday life." impelled Russia to expend vast sums of money upon the Siberian trunk line—the purpose of gaining preponderance on the west coast of the derance on the derance on the derance on the derance of the derance on the derance of the far as any forecast can be drawn from the new situation, Russia's ought to be courteously discussing. I gion of Christ into dream of the conquest of Pekin is have noticed that men just in pronow as far from fulfilment as her portion as their Christian experior severe losses, for be dream of the conquest of Constanti- rience is shallow talk about funerals and graveyards and tombstones and like an earthquake and that blasts nople. So long as the present treaty deathbeds. The real, genuine Chris-like a storm, we prescribe religious between Japan and England shall tian man talks chiefly about this consolation; but, business man, for hold good, it will seemingly be the life and the great eternity beyond the small annoyances of last week destiny of China either to remain intact and independent, or become

Japanese. That the prestige of France and Germany has been relatively dimmed French nor German diplomacy will be able to exert any pressure upon China, backed as that country will Christ is something to talk about feel herself to be in the last resort with a glad heart. It is brighter by the Japanese army and the British fleet. No doubt, France and around groaning about your religion Germany will be permitted, tempor- when you ought to be singing it or arily, at all events, to keep the talking it in cheerful tones of voice. small territorial accessions which whose lives are utterly inconsistent they have won respectively in south- who attempt to talk religion and alwestern China and in Shantung; ways make a failure of it! My but not a step further can they now friends, hope to go.

# UIR COMMINE BLESSING vision this chime of harmony struck mails had received the word of Go into the care the new year that new year year year that the others widently the foremest that the others. Notice what it was that

### Give Earnest Thanks for the Divine Goodness Shown You.

of God, he proclaims the importance at the receipt of customs. A re-of religion in the ordinary affairs of ligion that is not good in one place our life. In all ages of the world there has been a tendency to set the very particular where hitherto apart certain days, places and occasions for worship, and to think those were the chief realms in which religion was to act. Now, holy days and holy places have their importance. They give opportunity for speefficiency to any that a European cial performance of Christian duty opponent could array against her in petite, but they cannot take the place of continuous exercise of faith that through the alliance just con- and prayer. In other words, a man cluded, Japan becomes mighty where cannot be so much of a Christian on she was but feeble, and no longer has Sunday that he can afford to be a worldling all the jest of the week. If a steamer put out for Southamp-France. In a word, the land power and the other six days in other diof Japan and the sea power of Great rections, how long before the steamer will get to Southampton? It will may seem to be voyaging heavenward during the holy Sabbath day, the week he is going toward the world and toward the flesh and to-Upon Russia's plan to acquire a ward the devil how long will it take monopoly of Manchuria, which ulti- him to reach the peaceful harbor of mately must have led to dominance heaven? You cannot eat so much at the Sabbath banquet that you throughout northern . China, the can afford religious abstinence the treaty between Japan and Great other six days. Heroism and prince-Pritain falls as an extinguisher.

Manchuria is to remain Chinese, the or in circumstances insignificant and, already partly constructed branch of inconspicuous. The genuine Christhe Siberian Railway to Port Ar- tian life is not spasmodic; does not

clivities, its eye on the everlasting hills crowned with the castles of the EVERYDAY RELIGION. about it, anything beautiful about kind of martyrdom to bear. it, anything important about it, we and not so much about the insigni- how much of the grace of God did ficant pass between these two; resi- you apply? "Oh," dences. And yet how few circles trials are too much for such applicathere are where the religion of Jesus tion." My brother, they are shap-Christ is welcome. Go into a circle ing your character, they are souring even of Christian people, where they your temper, they are wearing out about Christ or heaven and everyat Pekin by the treaty between Jap- thing is immediately silenced. No into a sculptor's studio and see him an and England is too obvious to one had anything to say save perneed demonstration. Of late each of ner of the room, who really thinks these powers has had great influence that something ought to be said unwith the Chihese Court, because each | der the circumstances, so he puts was feared! Henceforth neither one foot over the other and heaves a

long sigh and says, "Oh, yes, that's so, that's so !" My friends, the religion of Jesus than the waters; it is more cheerful than the sunshine. Do not go

WE MUST LIVE RELIGION or we cannot talk it. If a man is What counter-move can Russia and hard in his dealings and then fleet, besides being at least equal in the worst form of hypocrisy. If we us healthy use of our limbs. need the help, not only of Germany they say Malachi ili, 16. Then picks up the worm from the furrow and France, but also that of the they that feared the Lord spake of the United States. The one to another, and the Lord who Makes everything United States, which would carry hearkened and heard it, and a book with it the invaluable naval bases in of remembrance was written.

When you have anything to do in let us be willing to do it. We all Thess, ii, 13). Our Lord Himself At a stroke the treaty reneves england from the isolation which,
coupled with the absorption of her
military resources in South Africa,

Contains of Gennesaret. If your work is drawing water, then he will help you, as
of everlasting scorn, while faithfulmess will gather its garlands and
the Samaritan woman. If you are
wave its sceptre and sit upon its

Cost per

Cost per

The man who has only a day's wages in his pocket as certainly needs the guidance of religion as he who rattles the keys of a bank and could abscond with a hundred thous-

and dollars. There are those prominent in the churches who seem to be on public occasions very devout who do not put the principles of Christ's religion into practice. They are the most inexorable of creditors. They are the most grasping of dealers. They are known as sharpers on the street. They fleece every sheep they can catch. If the wheat in the churches should be put into a hopper, the first turn of the crank would never get there. And, though a man make the chast fly, I tell you. Some of these men are great sticklers for gospel preaching. They say:"You if during the following six days of stand there in bands and surplice and gown and preach-preach like an angel-and we stand out here and attend to business. | Don't mix things. Don't get religion and business in the same bucket. You attend to your matters, knd we will attend to ours." They do not know that God sees every cheat they have practised in the last six years; that He can look through the iron wall of their reproof safe; that He has counted every dishonest dollar they have in their pocket, and that a day of judg-

ment will come. through heat and cold, up steep There are many Christians who say mountains and along dangerous de-We are willing to serve God, but we do not want to do it in these spheres about which we are talking, and it seems so insipid and monotonous. If we had some great occasion, we had lived in the time of Luth-In the first place we want to bring er, if we had been Paul's traveling trolling the direct maritime route the religion of Christ into our con- companion, if we could serve Cod on between Vladivostock and Port versation. When a dam breaks and a great scale, we would do it, but ed to segregation from each other ca or an earthquake in South America and knight errantry of hie will be comparatively useless. In ple begin to talk about the uncer- have disappeared before the advance fine, the secret purpose ,which has tainty of life, and they imagine that of this practical age. There is, howimpelled Russia to expend vast sums they are engaged in positively relig- ever, a field of endurance and great ture!

Again, we need to bring the reli-

OUR COMMONEST TRIALS. you say "these you less and less of a man. I go

shaping a statue. He has a chisel in one hand and a mallet in the stroke-click, click, click! I say, "Why don't you strike harder?" the Spirit works, and whenever "Oh," he replies, "that would shat- Christ is truly received there follows Why don't you strike harder?" ter the statue. I can't do it that way. I must do it this way." he works on, and after awhile the features come out, and everybody that enters the studio is charmed and fascinated. Well, God has your soul under process of development, and it is little annoyances and vexa-

tions of life that | are chiseling out your immortal nature. Again, we must bring the religion of Christ into our commonest blessings. When the autumn comes and the harvests are in and the governors make proclamations, we assemble in churches and we are very thankful. But every day ought to cranky and cross and uncongenial be a thanksgiving day. We do not recognize the common mercies of life. make? Even if she could secure the begins to talk about Christ and We have to see a blind man led by cooperation of Germany as well as heaven, everybody is repelled by it. his dog before we begin to bethink France, the combined naval strength of those three powers would be inadequired three powers would be insinners," "The Lord bless you," have to see some wounded man hobhave to see some wounded man hobadequate to cope with that of their "The Lord have mercy on you," bling on his crutch or with his opponents in the waters of the Far their conversation interlarded with empty coat sleeve pinned up before which made no the think what a grand East, because the Anglo-Japanese such expressions, which mean no- we learn to think what a grand thing but canting, and canting is thing God did for us when he gave magnitude, would possess incompar- have really felt the religion of Christ are so stupid that nothing but the lowers necessarily an evidence that tankage was especially prepared for ably superior naval bases in the in our hearts, let us talk it; and misfortunes of others can rouse us Japanese and Chinese harbors. To talk it with an illuminated country to our blessings. As the ox enter upon such enter upon such a contest with any Christian people talk God gives spe in clover, yet never thinking who prospect of success Russia would cial attention and writes down what makes the clover, and as the bird

WHO MAKES EVERYTHING Your conversation, Mr. Hevriblaring suit? And the moss that with what we call "frational creation, and with what we call "frational creation, and his heart was not right. Simon the sourcer is not a comfortable of the soreers is not of himself the soreers is not of himself of the study. There is much of himself of sumbangs, "An I" exclaimed as the waying tops of Oregon pine of Sound as the waying tops of Oregon pine great fan on a hot summer's day? The sore and Lehanon cedar and the alder words. Sitting sarking as that I" "Now, when the spostles which sore and Lehanon cedar and the sow's hoof, physican organism; this sweep of the were at Jerusalem heard that Salar acting in actly."

march to immortality? We take all the others. Notice what it was these things as a matter of course. people of Samaria had received Take this practical religion I They had received the word of have recommended into your every and, like the Thessalonians, doubtless received it, not as bath, and every med a sacrament, word of men, but as it is in and every room you enter a holy of the word of God, which effectually

the Samaritan woman. If you are wave its sceptre and sit upon its forth (cas. the engaged in the custom house, he will throne long after this earth has put 16).

The lad Matthew sitting on ashes and eternal ages have beat the receipt of customs. A religion that is not good in one place
is not worth anything

IN ANOTHER PLACE.

on ashes and eternal ages have begun their march. You go home today and attend to your little sphere
of duties. I will go home and attend to my little sphere of duties.

They were somewhat like the approtend to my little sphere of duties. Every one in his own place. So our

INTERNATIONAL LESSON.

MARCH

Text of the Lesson, Acts viii., 3-17 Golden Text, Adts viii., 4. 3."As for Saul, he made havoc of the church." The Revised Version says that he laid waste the church, but our Lord had sald. "The gates. of hell shall not prevail against it." (Matt. xvi, 18). So that this imprisonment of Christians and power of Saul and the authorities over did Paul at Ephesus (chapter them did not really hurt the church any more than the dary furnace or the lions hurt Daniel and his friends. nection with these of the same than the dark friends. any more than the .4. "Therefore they that were scattered abroad went everywhere preaching the word" Sp the disciples ask Him" (Luke xi, 9, 13). could say to Saul and his company as Joseph said to his brethren, "Ye thought evil against me, but God meant it unto good to save much people alive." (Gen, 1, 20). we were persecuted and in the midst of trial it seems very difficult to see

any good in it, and not to see our persecutors, but faith sees only God and is quiet because He controls all people and all events. These scat-tered preachers of good tidings were not the apostles but all except the apostles (verse 1), and they were just the Lord's messengers with the Lord's message (Hag. i. 13). : If all believers now were ready to tell others the love and glace ing His salvations rom day to day (Ps. lxxi, 15, 24), how soon the gospel might be preached to every crea-

pointed to minister to the needy in any grain or bye-products of mills things temporal, and now that Ste- The phosphoric acid for pigs is use phon had been so honored and pro- ful in building up bone structure moted he is also honored as the and this is an important change Lord's 'messenger. If tent to do the ordinary work of the tein has a value universally recogdaily life, the Lord will , nHis own nized by feeders. time. lead us into greater service. in II. Samuel xv, 15; I. Chron. xxviii, 21. In verses 4, 12, 25 we get a good idea of the preaching of those days. They preached Christ; they preached the word of the Lord and the things concerning the kingdom of God. As Philip preached the Lord wrought with and through your patience and they are making following (Mark xvi, 20), and, seeing the miracles and hearing the message, the people with one accord gave heed, and there was great joy in that city. Whether the messenger other, and he gives a very gentle be the woman of Samaria or Philip the evangelist, "if Christ is preached

> 9, 10. The adversary who opposes God and exalts himself is always to the front ever since he slandered God about three gallons of skimmed milk willfulness and self-assertion of Cain, to 10 pounds each of wheat in the endeavor of the Babel builders dlings and tankage makes a all who oppose themselves to God four months old. A very good roand His truth from Cain to the one tion for older pigs or hogs may be who shall exalt himself and magnify himself above every god, so that he, as God, shall sit in the temple of God showing himself that he is God (Dan. xi, 36: II. Thess. ii, 4). This Simon, like Theudas of chapter v. Pigs fed upon tankage show great 36, was just one of the great host who magnify themselves and always find a following. As I write a man in Chicago, whom many follow and who seems to preach the gospel, has that there is no danger from worm just given out that he is Elijah. And or from decomposition, and has been cery might possibly describe many his herd from feeding it." of the teachings of to-day which captivate such multitudes. A great plied the Station at the request

jov and peace (Ps. xv. 13).

the leader is wrong. 13. "Simon himself believed also, was baptized, continued with Philip room, tanked immediately, and and wondered, beholding the mir- pressed and dried." A representaacles and signs." The power of God tive of the above firm wrote that is able to break the hardest heart, "If tankage can be used at all and the fact that Simpn was bap-swine feeding, it must be specially tized and continued with Philip after prepared. The writer's opinion from the animalcule in the sod to he believed, would seem to indicate that no tankage that contains any the Philippines. No help from the religion of Christ into our emfort the purpose of disturbing a situation, which as should a man handle large with an handle large with only half a heart. mean that he was not right in the Moisture.....

the "open door" and the preservation of China's territory from dismemberment.

The maintenance of the spirit. If Protein.

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doubtless received it, not as

conflagration. holies. We all have work to do; worketh in those who believe

They were somewhat like the aposition No. 3... tles and other be levers before Pents Let No. 2... Every one in his own place. So our every step in life shall be a triumphal march, and the humblest footstool on which we are called to sit will be a conqueror's throne.

Cod All who trilly receive the high above results snow that tized and had become children of influence of the tankage in supply the footstool on which we are called to but they had not been enduck with have been a very carbonacious, the power which all believers used to the power which all believers used to the power than to secure the living and growth of pigs, as well as in true God. All who trdly receive Christ are saved and have recon-children of God (John i, 12) and temples of the Holy Spirit, wild dwell in every believer, but possible for such to be only habes and carnal (I Cor. vi, 19 20 di, 1

2), and therefore the necessity being filled with the Spirit and dued with power to live the faithful testimony. 17. "Then laid they their

on them, and they received Holy Ghost." Having prayed 15), they now with expectation hands on them, and the special of the Spirit is received. So 5, 6). Our Lord's words, "Ask. nection with . these . others, Tic much more shall your heavenly er give the Holy Spirit to them

#### TANKAGE AS FOOD FOR PIC

ITS ADVANTAGE AS A ING MATERIAL.

Synopsis of a Recent Bulletin Issued by the Indiana Hx-

periment Station.

In view of the rapid extension establishment of pork packing houses and bulletin (No. 90) of the Indiana Exvalue, as a food for swine, of the sizelle results in both health packing house bye-product, known as tankage, may be of interest. Ac cording to the above bulletin, tank we are con- with our pigs to-day, while the pro-

An extensive breeder of swine in Very helpful words on this are found Indiana thus describes the character good of this product : .

finds some feed of great adventage that is rich in an the nutrients required, that is easily digester. especially palatable \* \* A year experience with feeding tankage shows it the ideal feed for this purpose. Blood, lungs, etc., are cooked together in tanks at the large packing houses. The fat is draw off and the residue dried and ground for hog feed. It costs about \$25.00 per ton laid down at my home, contains about double the protein found in oil meal, and is very much better feed for pigs seems to be a perfect substitute for milk, a pound of the tankage cost ing less than a cent and a quarter and having a feeding value equal to to Eve in Eden. Ht is seen in the A mixture of thirty pounds of cor to make themselves a name and in well balanced ration for pige up the made by reducing the middlings unit tankage fully half in proportion amount of corn. Tankage dissolves have ravenous appetites, and especially free from gouty and theu matic troubles. Tankage is so dry so it goes and will till Jesus comes. so thoroughly cooked that one take 11, 12. Bewitching people with sor- no risk from contracting disease in

A quantity of tankage was following is not sufficient proof that the Director, by Swift & Col. the purpose, being made from bones and meat taken from the cutting

pourids each at the beginning of the test. The foods used were as

Lo. 1-Ten parts of pure moal and one part tankage. 2-Tive parts pure comment and lone part tankage. 3-Pure corn meal only.

4—Ten parts of a mixture equal proportions of pure corn med and shorts, and one part tankage. The food was weighed out at feed life, however humble it may seem to have sorrows to bear, let us cheer said to His Father on the night be two parts water to one part grain. A despatch from Washington says:

Rev. Dr. Talmage preached from the following text:

I. Corinthians, then God will help you, fight them: If you want to die drink or whatsoever ye do, do all drink or whatsoever have been drink or what the water to one part grain have bather to die have bather to die

> above results show that the influence of the tankage in supplying tidil was extremely beneficial in the there is a difference of nearly two be ween cost of feed pound of gain, and in price received pound live weight, while the difence in this respect with Lot No.

The firmless of the flesh of lot No 3 was not quite as good as that of the tankage fed lots This was faire The condition of these experime

al fed pigs during the feeding was of much interest. Those of lots Nos. 4 where tankage was fed, had noticeably silkier coats of hals, than that of the corn fed lot. com fed animals did not ead with a kein relish after the experiment was fairly started while the other pigs always did and therein a marked difference was to be seen. The corn fed pigs developed into very poor feeders, and this was due fend. The conditions of the stomachs of the corn fed pigs was of unusual in orest, these containing sour of fersive smelling corn meal simply, which seemed a sodden mass. tainly the contents of the constomachs was inferior in a notice able way, when compared with

conclusion, this experiment strongly emphasizes the weakness of swine growing, and the consequent in tending growing, fattening pigs, indicates the great value in all parts of the country, a pecent adding a feed rich in protein to the thus producing a better bal

#### FATH AND WORKS.

piece of bright class-room ardy entrance of a student into lecture room, and pointedly ed taking until the man took

Affer class the student went to the desic and apologized. My watch was fifteen minutes out of the way, sir. It's bothered me a lately, but after this shall put no more faith in it. "Especially with young pigs, one replet the professor; "it's works."

#### ISLE OF MAN.

In the matter of taxation the Isla of Man is unique. There are no inconte chargeable against the estates of deceased persons, no highway or turnpika tolls Roads are maintained by the evenue from two sources : a smell tax upon every, wheel and shod hoo and a levy upon every male inhab tant. who must give a day's work on the road, or its equivalent in dish. There are no stamp duties on receipts, cheques, promissory notes, etc ; in fact, stamps are used only for restage.

#### MEASURED BY MUSIC.

A learned scientist has recently shown how the velocity of the wind can be regioned by noting the musiand cal pits of the sound given out when the wind blows across a stretthed wire. The principal elements on which the calculation is based are the diameter of the wine and He temperature of the air. The length of the wire is immaterial, so long as it is not changed. Every variation in the wind's velocity is faithfully represented by the rising or falling of the pitch of the note sung by the wire.

#### A I S. TO A PRAYER.

little four-year-old knelt to say her prayers the other evening. After invoking a blessing on all the members of the family, she wound up by

"And bless Mr. Hicksworthy Ament Then she rose up, but immediately knelt liowij again.

"I don't mean Mr. Hicksworth that hinks he's so smart, Lord, but the noor old Mr. Hicksworthy that's only got one eye, and always gives me sweeties. Amen."

It is related of a clergyman was the happy father of a charming and beautiful daughter that on day, while preparing his Sunday discourse, he was suddenly called away from his pask on a mission of mercy. The sentence at which he left off war this : I'I pover see a young man of splendid physique and the promise of To determine something of the a glorious manhood almost realized