THE FARM FRONT by John Russell

According to experts of the United States Department of Agriculture a great many farmers are to sing away ten per cent or more their stored grain simply by letting insects chew away, uncon bolled, after the harvest is in th bin. And those same experts claim that such wastage is by no mean insects can be stopped by measures which almost any farmer can use.

It is estimated that if all small grain and corn could be protected from loss the gain would be around. a billion dollars a year; and that's losses we suffer here in Canada even in these days when big money figures are juggled around so carelessly. And while I realize that many of the following recommenda tions come to you too late for use this year, they might be well worth elipping out, saving, and acting upon when the time comes,

In a recent study, entomologists average farm storage in many locaons, and then reweighed the same grain when it moved out of storage the spring. They found that after allowing for moisture losses nsect damage had caused actual shrinkage in weight of from one to two per cent per month. Insect age not only reduces market value of grain per bushel: it actually reduces the amount of grain.

Most insects that destroy grain will work when the temperature in the bin is above 60 degrees F. That's why damage is greater in the South than in the North. But farmers in the North have to take into consideration the fact that grain in a bin cools off very slowly and may stay warm enough for insects to after cold weather arrives. So the damage may be going on when the outside temperature is considerably

Small grain or shelled corn should be fumigated as soon as it is put in the bin. Corn left over from last year in the crib can be protected by shelling it, putting i n tight bins, and fumigating it.

The official recommendation for fumigation is as follows: Use a mixture of one part b volume of carbon disulphide, and four parts of carbon tetrachloride. Do not attempt to mix it yourself ixed under some trade name. This liquid fumigant will not harm your grain as food, feed or seed.

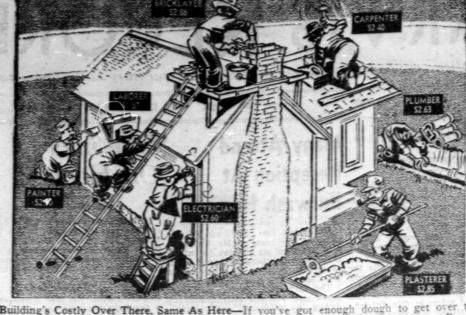
Level off the surface of the grain below the top of the side walls. Use three gallons of the mixture for each 1000 bushels of small grains tight wooden bins, twice that for shelled corn. Increase the dosage to eight gallons per 1000 bushels if the grain is in shallow bins with a large surface area.

Apply it evenly over the surface of the grain in the bin. You can use an inexpensive bucket sprayer if you chose, and you need not into a gas after it has been applied, the grain and kills the insects as it goes. Avoid breathing the fumes, and wear a gas mask for you protection if you are exposed to it

for more than a very short time. Bins must be tight, or the fumigant won't do the job well. Tack laths or strips of heavy paper over cracks. A slatted crib won't hold the gas unless completely lined, or covered outside with roofing or

building paper. Select a still day in mild, warm weather to do the job, or wind may blow the gas away before all the insects are killed. If the grain

is warm, 65 to 75 degrees F., low



Building's Costly Over There, Same As Here-If you've got enough dough to get over the hurdle of the new credit restrictions, you'd still better recheck your cost estimate. Recent wage increases won by nearly 30 per cent of union construction workers in 85 major cities in the United States have pushed up the average hourly scale of all union construction workers

to \$2.32 an hour. Newschart above shows the average rates by crafts in the month of October

gate it again if evidence of insect

damage shows up.

by the way.)

Anyway, with the entry of the

of safe refuge for the mere male:

about. But now it seems as if those

days are gone forever; and maybe

you've hit the jackpot, and cannot

. . .

go any further.

der fumigation.

Properly done, one fumigation soon after harvest will hold stored grain free of insect damage until warm weather the following spring. But, insects are busy whenever and wherever there is mild weather They will increase in number and do an ever-increasing amount of damage during mild weather until the grain is used or sold. This is particularly true when the moisture content of the grain is high, when the grain isn't very clean, or if the bin wasn't cleaned out thoroughly before putting the grain into it.

Even grain that has been fumigated should be inspected at least once each month. Look for warm spots, or areas where the grain may be webbed or caked. Take a sam-ple of the grain from such areas and look for small worms, weevils beetles, moths, and kernels that are chewed or have small holes

. . . If you find that insects are working in your grain, refumigate imme-

grain from insects for a much longer period of time, developed by a commercial company, is under investigation. It consists of applying a dust impregnated with pyrethrins and piperonyl butoxide to the grain as it goes into storage. This method, unlike the fumigation treatment. provides a residue of insecticide and has the advantage of preventing grains from becoming infested. Fumigation kills all insects present at the time, but protection ends when the fumigating gas disappears.

The pyrethrin and piperonyl butoxide mixture is well known as one of the safest insecticides in use today. And, properly applied to newly harvested uninfested grain going into storage, it may give protection from insect damage for as long as a year or more. If this newly discovered method of treating grain in storage for insect control works, without complications, it will be a major scientific advance-

* * * Entomologists have developed a that refining and ennobling feminyear-round program to prevent in-sect damage to stored grains. The procedures outlined below will protect stored grain.

1. Construct tight bins to make fumigation easier.

2. Clean up your old bins thoroughly before refilling them with new grain.

3. Clean up trash or old grain from outside your bins. milled feed, and old feed bags, away from your stored grains, because

outside temperatures will not hin- | they often contain insect pests | some afternoon or evening when everything happens to be breaking brought in from the mill. brought in from the mill.

5. Spray the floors and inside right.
walls with DDT, TDE, methoxy-

chlor, chlordane, or the pyrethrinbutoxide mixture before refilling be Joe Davis, an English pro. For your empty storage bins. Apply 20 years Davis was undefeated with an ordinary garden - type | champion of the world at snooker, 6. Store your grain as dry as or Snooker's pool to give it the full and proper name. Then, last 7. Have it as free from broken | February - as reported in this kernels and dirt as possible. 8. Fumigate all grain as soon af- from Winnipeg, George Chenier by er harvest as possible. 9. Inspect all stored grain at fizzy by not only beating Davis,

least once each month-and fumi- but by setting a new record.

SPORTS & We see by the papers that in at is not a test of mathematical exactileast one Ontario town the ladies | tude in the application of dynamics, have taken avidly to the ancient as one writer puts it, but an adsport of shooting pool-and not doing so in the seclusion of private is likely to happen. And that fea-

-public pool rooms, or "billiard academies" as some of the higher-class joints used to try and call them- Fluke shots, which are a source selves in the olden days. of disgust to the earnest billiards . . . man, are part and parcel of snooker (The only difference we ever | and lend enchantment and gaiety to personally noticed between a pool the game, One can become fairly liamson Mail Order Co.. oom and a billiard academy was good quite soon and go on improvthat the latter had a minimum fee | ing all the time. That is, until you of five cents per cue, whereas some | get into the professional class, of the former charged a rate of two-and-a-half; but that is entirely | limit.

> As for the 147 break-perfection -here's all that you have to do in experimenting with electricity. Ul-

order to achieve it. fair sex into the game, there disappears just about the last haven To do it each of the 15 red balls (each scoring one point) must be and whether or not this will prove put down alternately with the black to be a good thing for humanity, (scoring 7). When this has been time alone will tell. Many of you accomplished and the black set up will recall the time when a man for the last time the other coloured are attracted by this secondary could go to a bowling alley, prize balls must be taken in correct order | glow. When a current is switched fight, burlesque show, wrestling -yellow (2), green (3), brown (4), on copper plates about twenty feet match, pool room or even a tavern without exposing himself to any of blue (5), pink (6), and then black. If this is done without a single mistake, the 147 break is made. It ine influence you read so much means, of course, that the player must start off before the opponent has potted any of the bails. There it is just as well, although we are 22 balls, including the cue ball, wouldn't wish to lay very heavy. and this is another respect where snooker differs from the 16 in

All of which will serve to intro- pocket billiards. duce a little news of the latest developments in the game on the Sounds quite simple, doesn't it other side of the briny, where they O.K. Just grab yourself a cue-and a table-and go and do it. But bettake their pool and billiards seriously. And it would appear that, ter find yourself an all-male pool over in England, all the snooker | hall for the attempt, if such a thing faus are waiting breathlessly to can be found. Otherwise, just a see if, during the coming season, you're making that final shot, a some expert will come out with a mouse is liable to run across the maximum of 147. This, we might | floor, and in the flurry of feminine explain for those who did not have | excitement bound to follow, your the benefits of a mis-spent youth, | record will be all shot to aitch and is equivalent to rolling 300 in ten- gone. pins, or 450 in five-pins. In other

words, if you score 147 in snooker, 14-year-old Jockey:-A 14-yearold with 40 winners to his credit already, Lester Piggott is favored to become Britain's Champion Joc So far, nobody's done it - al-So far, nobody's done it — al-though there are said to be half a has been competing with leading dozen experts, scattered through-British adult riders like Gordo out the world, capable of the feat, Richards, on level terms.

Most likely prospect is said to column, a young French-Canadian from Winnipeg, George Chenier by name, threw snookerdom into a fizzy by not only beating Davis, but by setting a new record.

Ramilton. ontarie

**Rew Guaranieri HORNET fore-man Chain SAWS with rope starter = \$234.90 with rewind starter = \$275.00. Equipped without the same starter = \$27

but by setting a new record.

Although the old game of pocket billiards—or 15-ball pool—is still highly popular in Canada, there are indications that snooker is gradually replacing it in public favor. And with the advent of the ladies—mentioned earlier—it seems probable that there will be more and more snooker played. Unlike billiards it is not a test of mathematical exactitude in the application of dynamics, as one writer puts it, but an adventurous game in which anything is likely to happen. And that feature, alone, should make it suit the women to a "T."

20° or 24° blades and the new Salth paper chain. Sales Tax extractive. SMITH-CALVER LIMITED

647 Weelwich St. - GUELPH. Ont.
25 CUTOUT patterns, recipe instructions for making cookie, tree and table decorations. Sparkling and surprisingly attractive. Santa. reindeers. Selejh. rocking horse (stands and rocks), gingerbread house, forten, and order aft.00. Cookie-Craft Designs, 178 Befford Park Avenue. Toronto.

PRICES slashed! Toronto.

PR residences, club rooms, Y.W.C.A.'s ture, alone, should make it suit the or the like either, but right out in women to a "T."

BUNTING? . . . 1278 British Enfield 5-shot
Service Rifle only \$27.50. Specially
adapted for deer hunting 25" barrel. Clean
appearance. Smooth operation. A real hargain. You can't lose. Desired. It requires less concentration. Electric Fishing

To rid a lake of pike which prey

on trout, the British have been tra-violet lamps are put in the lake at night. There is a faint glow, because more than invisible ultraviolet rays are emitted. Fish investigate. Under the ultra-violet rays their scales glow. More fish ishermen can lift the pike with nets. When the current is turned off, the other fish, including the trout, recover and swim away.

TARPAULINS Give Quick Protection

CANVAS SPECIALTY CO.

LINIMENT Rub on freely, and note quick relief. Greaseless.

ARGE ECONOMICAL Satt-drying. No strong odor. 18-46

.. Classified Advertising

eries Limited, Fergus, Ontario.

BETTER days ahead for the Poultryman.
High ess and poultry prices with lower
feed costs means more grout. Weekly
hatches, Also older pullets, Catalogue, Top
Notch Chick Sales, Guelph, Ontario. A. C. LESLIE & CO., LIMITED

130 COMMISSIONERS STREET
TORONTO 2, ONTARIO ONE 49 Horse-Power John Deer Un (reconditioned) for sale McFrer Lin ford, R. 3, Belmont, Ontario. CUSTOM TANNING SEND your hides for harness leather, cow and horse hides for robes. Bear, fox, rabbit, sheep skins, deer hides rug lea-ther, J. T. Galarnesu. St. Timothee, Beau-

DYEING AND CLEANING
HAVE you anything needs dyeing or cleaning? Write to us for information. We
are glad to answer your questions Department H. Parker's Dye Works Limited.
731 Yonge Street. Toronto, Ontario.

FOR SALE

Carter's Rabbitry, Chilliwack. B 2000 YDS, THREAD 65e

ROBERTS JONES LUMBER CO.

RIFLES

Have you heard about Dings Neuritis and Rheumatic Pain Remedy? It gives good results.

MUNRO'S DRUG STORE, 335 Elgin,
CRESS CORN SALVE - for
Your Druggist sells CRESS. UNWANTED HAIR ful ingredient. and will destroy the his

FOR SALE

MOTOECTCLES, Harley Davidson, New
and used, bought, sold, eschanged Large
stock of guaranteed used motorcycles. Repairs by factory-trained mechanica. Bicycles, and complete line of wheel goods,
also Guns, Boats and Johnson Outboard
Motor of the Company and plan succept LOR-BEER LABORATORIES
679 Granville Street,
Vancouver, B.C. ilso Guns. Boats and Jonasse Motors Open evenings until nine except Motors Open evenings until nine except Medicaday. Strand Cycle & Sports. King at Sanford. Hamilton LESSEN your meat bills. Raise rabbits. LESSEN your meat bills. Raise rabbits. POST'S ECZEMA SALVE 2000 FDS. THREAD 68c
For hand or machine. Choice of all relors.
Postpaid. Write Home Sewers Supplies.
4156 St. Lawrence Bibd. Montreal. We also make cloth covered buttons, buckles, belts with your material. Write for free catalogue.

ASPHALT SHINGLES 83.35
These interlocking shingles are just one

PRICE \$1.00 PER JAR
POST'S REMEDIES 889 Queen St. E., Corner of Logan, Turn ASPHALT SHINGLES \$2.35
These interiocking shingles are just one of our many roofing and asphalt bargains.
210 lbs. Butt Shingles \$1.55. 165 Titelog \$4.30 per 100 square feet
2 Thick insulated Siding: Brick or Cedar Grain design, only \$3.45 per square; Grey Roll Stone design Siding \$2.75 per square; Grey Roll Stone design in these factory seconds, we doubt you can tell from first grade stock.

ALUMINUM CORRUGATED SHEETS, only \$3.55 per 100 sq. feet. Delivered Octario, Guebec and Maritimes.

All new stock, 25 gauge, various sizes available for prompt shipment. Send measurements for free estimates. Get yours now. Stock limited. OPPORTUNITIES FOR ME . & WOME BE A HAIRDRESSER

JOIN CANADA'S LEADING STHOIL
Great Opportunity Lears
Hairdressing
Pleasant dignified profession, sood was
Thousands of successful Marvel graduate
America's Greatest System
Hustrated Catalogue Pree
Write or Call
MARVEL HAIRDRESSING SCHOOLS
353 Bloor St. W., Toronto
Branches:

LEARN PIANO BY EAR, Quickly, Par

AN OFFER to every invector—List of inventions and full information ent fra.
The Rammay Co., Registered Patent Antoneys, 273 Bank Street, Ottawa.
FETHERSTONHAUGH & Company, Population of the Company of School Scho

DON'T SUFFER PILES MAI

to Sure to Order by Kumber 1 FOR INTERNAL WEED 12 F

MECCA PILE REMEDIES

I Was Nearly Crazy

Until I discovered Dr. D. D. Dennis' amarilaly fast reifer — D. D. D. Prescription. West
oppular, this pure, cooling, flucid medication
speeds peace and comfort from cruel itehing
caused by excess, pimpiler, rashes, sinkless
foot and other itch troubles. Trail bottless
first application checks et al. the bound intentieth or money back. Ask. aggist for D. D.D.
Prescription. (c-dinary or extra strength).

De

CANADA'S FINES

CIGARETTE

ISSUE 47 - 1950

With Fiery Itch-

tent Solicitors, Established 1896, 196
Bay Street, Toronto, Booklet of Information on request. trial for light cars being held on the front at Brighton. The Cooper "midget" was easily the smallest SALES HELP WANTED

SELL Popular, 42 fire extinguisher whole
sale or direct. Liberal profits exclusive
territory, FIRE-KILLER, 1042 Roshy entry. Its appearence created more musement than genuine interest, but John Cooper won the race with writes Jeffrey Wyndham in "Tit

WANTED—Flocks to supply a ery with hatching eggs. I and bloodtested free of charge The following week-end he lent the car to his old school friend, Eric Brandon, who took it to a meeting in the Midlands, and it won again. No. 63, 123-15th St., New Toronto, FARMER, wife and 1 child wish to rest On the Monday morning Brandon was back at the garage: "Will you make one for me?" he asked.

light cars.

Brandon and Cooper "cleaned up" in so many hill climbs and speed tests that orders began coming in for more cars. Other firms began building car bodies round motor cycle engines, and soon there were so many 500's in existance that a ecial racing class was formed.

Silvertone Test There were setbacks, of course. The tiny engines, driven to excess, often blew up. It became apparent that for short sprints of half a mile or so they were excellent and pro-vided all the thrills of racing in min-iature, but distances of five of seven miles were generally beyond

In this respect the Cooper held long lead. With their extra knowledge and research, they built up a virtual monopoly of first places in club events all over the

The big test came when, to celeorate the opening of the Silverstone circuit two years ago, a 500 c.c frand Prix was instituted, over the nomenal distance of fifty miles. The Coopers had a double satisaction. They provided the first four cars home, and found justification for their policy and belief that ability to finish was of even greater importance than mere



FIGHTING A DEADLY ENEMY

Wm. Russell Stewart, who has been appointed Field Secretary of the Ontario Division of the Canadian Cancer Society. The new Field Secretary will work throughout the Province of Ontario organizing new units of the of the Cancer Society and working with the 26 existing units in the been discovered, more will Province.

HAVE TO BE REALLY TOUGH

THESE CARS, AND THEIR DRIVERS.

their garage n Surrey. That event

will be a turning point in the story

of an adventure that began as a

hobby four years ago, and has de-veloped into both a new type of

motor industry and a rapidly grow-

The story really goes back sev-

eral years before the war, to the time when Charles, then a racing

mechanic to Kaye Don, made a

climb trials in them.

miniature racing car in which his

ing sport-500 c.c. motor racing.

and relatively cheap way of taking Cooper and his son John will watch the hundredth car they have made being pushed out into the yard of a practical part in motor-racing. For £575 anyone could be a racing motorist with a made-to-meas car that would clock 108-110 miles an hour. Soon there were further develop

ments The Coopers produced a 1,100 c.c. model, substantially the same except that two engines wer combined in the form of a "V." The car was so designed that it could be run as either a 500 or 1,100 c.c. model. All that was necessary was to take out one engine and substitute the other. Beat Big Rivals

seven-year-old son John drove up and down a cul-de-sac near their A few weeks ago, Ken Wharton, The plans were put away in a driving one of the "twins," easily won his class in the Shelsley Walsh drawer in the workshop and for-gotten through the war until, in hill climb, and, in fact, put up third 1946, Mr. Cooper senior picked up a paper and read that a group of fastest time of the day in competi tion with cars two and three times the size of his own. When the aircraft workers in Bristol had event was over, he took out the enadapted their knowledge of aircraft gine, installed he smaller single 500 design by bulding light car bodies c.c. unit, put the car in a plane for Holland, and won a race there the were having great fun staging hill following afternoon"

John Cooper tells an amusing Key to New Boom story of the time he was testing He thought of the little car he a car manufactured "for export. ad designed for his son and sud-For two or three days he tried it denly realized that he held the key out on the Kingston by-pass, where what might prove a new outlet two motor-cycle policeman always for the speed bug that infests most followed to ensure that he did not

get to a dangerous speed. At odd moments between attend-Ont morning the car and the two ing to his garage business, and far policeman were held up together at nto the night, he pored over his traffic lights. When the lights drawing board, devising ways of changed there was a cloud of black ting the utmost speed from a smoke caused by the friction of the tiny 334 h.p. engine while giving tires as the car shot away at high fety in sturdiness and freedom speed and disappeared in the dis-

from sway. .
For months the work went on. Later, two mystified policemen The first Cooper car was ready to race. But there was no race for it. presented themselves at the garage, asking, "What have you put in Five-hundred c.c. racing had not yet that engine of yours this morning?" become well established as a class. Not until they were shown the The only events open to it were hill works did they realize that there climbs and short speed trials for was a twin engine where a single They decided to enter a speed

unit had reposed before. On the competitive side, more and more drivers are being attracted because once the initial expenditure has been overcome they cost little more than motor cycles to maintain..

At 100 m.p.h., the driver gets much the same thrill out of speed whether he is in a large car or a small one. The Italians have tagged them as "Juke boxes," why, no one seems to know. Because of the lightness of the cars, there is rarely any serious trouble, and any damage can be put right in next to no

At one meeting a 500 c.c. driver hit a protective straw bale so hard that he bent his front axle almost could still drive it, and the car looked as good as new two days

Even punctures seem to make little difference. Stirling Moss, the well-known 21-year-old driver, felt something wrong with one of his recent race, but he carrried on and won. The car lurched badly as he came to a stop, and only then did he discover that the valve had been torn out of the tire. Air pressure had been maintained by centrifuga force, which meant that he had been

driving on a puncture at well over 60 m.p.h.!

Have to be Tough An extraordinary spill occurred at the Goodwood meeting at Whitsun. Three cars going into a bend together at 90 m.p.h. became int locked. John Cooper was on the outside, and describes it thus: "I saw that the machine next t ne was apparently taking off. Two wheels came up and rode over m wheels, so that I could see the crank-shaft and underparts of the car I thought the best thing could do was to turn away in case he went over. In doing so I went off the track and hit a concrete

By all the rules there should have been a bad accident. But there wasn't. Cars and drivers alike ar tough. Probably competing some where this week will be a car and driver that recently were concern ed in one of the most spectacular of all post-war motor-racing crash-

While racing at Blandford, a 500 car flew off the track-lite ally. It took to the air and landed in the roof of a shed!

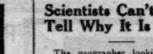
NEW USE FOR ROADS Ou'side Russia roads are used walking or driving. Inside Russia-now that is a differen

story. Here is what the Soviet paper Sotsialistichskoie Zemledelie recently reported: "The broad and even highway

etween Mosccow and Raizan stretches for many kilometers. For the second year already the kol-klozniks of Lukhovitsy use one side

kl.ozniks of Lukhovitsy use one side of the asphalt - covered highway for drying grain. For tens of kilometers the asphalt is covered with a thin layer of grain."

The paper recommended this method of drying grain to other kolkhozes. The only trouble is that hard-surface roads are extremely rare in the U.S.S.R. Perhaps now, that a suitable use for them has been discovered, more will be



The geographer looking at the map of Europe is baffled by the old question: Why do men who look on the sea differ so much from men who look on the land? Here is Western Europe, with the sea everywhere present and all countries maritime countries. Here is Restern Europe a vist plain Eastern Europe, a vast plain stretching eastward to the shores of

infinite gray line of the horizon at sea suggest different trends of thought to the human mind than the landlocked horizon?" asks Jean Gottmann in his recently published "A Geography of Europe." Perhaps it is because the sea offers so many opportunities for trade not only with neighbors but with distant and different civilizations. Western Eur-ope discovered the world and planted its civilization everywhere.
"The geography of Europe,"Gott-man adds, "is largely conditioned by history, but this geography also future of our world."

0.007 MIRST R The geographer finds no physical barriers that would account for the barriers are spiritual. Differences of religion and language, memories of old wars and fear of future wars, a complex of emotions and ambi tions inherited from "the dark backward and abysm of time" keep the barriers in place. Race is no longer important and, in fact, the races of Europe can no longer be clearly

defined.

Language plus religion equals

Language plus religion equals ceptions, and executed by supplant-Poverty: "We, after the terrible race, as the geographer sees it. Yet experience we have had of the effects of poverty on the whole nacenturies and seems destined to continue. What has happened in tion, rich or poor, must go further our time is that Eastern Europe has reached out and drawn large Doctors: "Is it possible for a man to go through a medical training areas of Central Europe behind its Iron Curtain. Spiritual barriers which have always existed have and retain a spark of common

west, so that on the map Western . Europe looks like a small broken

plain more. He talks of the Graeco-

continent. * * *

Soldier: "Soldiering, my dear been increased to almost impene-trable strength by the great East-tacking mercilessly when you are strong, and keeping out of harm's has also been moved far to the way when you are weak."

Marriage: "Every man is fright-

ened of marriage when it comes to

the point; but it often turns out

very comfortable, very enjoyable and happy indeed, sir-from time

Progress: "All progress is initi-

ated by challenging current con-

and say that nobody must be poor."

ing existing institutions."

Conversation: "The ablest and most highly cultivated people continually discuss religion, politics Experience: "We learn from ex-Experience: "We learn from experience that men never learn anyof Europe. The historian can ex-

thing from experience."

Laughter: "Oh, do not make me laugh. Laughter dissolves too many resentments, pardons too many sins and saves the world a many thousand murders."

"One-Carrot" Ring-Wayne Wicklander got a ringer when he

dug up this carrot in his garden. The carrot, seen enlarged in inset, had grown through a badly-tarnished gold ring. The stone, possibly a diamond, was missing.

to time."

Memorable Sayings

Success: "The secret of success is

to offend the greatest number of people."

Art: "Art is the magic mirror you

dreams in visible pictures. You use

a glass-mirror to see your face

you use works of art to see your soul."

Writing: "Journalism can claim

to be the highest form of literature; for all the highest literature is journalism."

Praise: "Woe unto me when al

men praise me!"
England: "It takes an Irishman

years of residence in England to learn to respect and like a block-

head. An Englishman will no

Truth: "The truth is the o

Christmas: "When you find some

country gentleman keeping up the old English customs at Christmas

and so forth, who is he? An

American who has bought th

respect nor like anyone else."

thing nobody will believe."

By Bernard Shaw

G. B. S.: "Shaw is an incorrigible and continuous actor, using his skill as deliberately in his social life as in his professional work in the production of his own plays."

G. B. S.: "Shaw is an incorriging his continuous actor, using the Byzantine heritage of the West and the Byzantine heritage of Russia, of the long struggle of the Empire and the Papacy, the Renaissance and the Reformation, the Prench the production of his own plays.

He does not deny this 'G, B. S.'
he says "is not a real person: he is a legend created by myself."

He does not deny this 'G, B. S.'
he says "is not a real person: he is a legend created by myself."

Hand the Papay, the Redormation, the Prench Revolution and the Rights of Man.

On the other hand, he talks of the peculiar Byzantine attitude toward Love: "Sir: there are two tragedies in life. One is to lose your heart's desire. The other is to gain

"Why should the monoto

Next Thing Will Be **Atomic Submarines** Even though a submarine can r main submerged with the snorkel breathing tube for far longer periods surface because its diesel engines must be supplied with air. The atomic submarine could cruise com

> marine speed would be even greater than the surface speed for the same amount of power. Full-speed underwater operation would be possible for days, and not for minutes, as at present. All surface vessels would be within range.
>
> The submarine of today is a spider

ed only by the air requirements of the crew. If the hull design had

the right characteristics, the sub

the West which Moscow inherited

while claiming to be the Third Rome. Professor Toynbee explains

the Byzantine attitude as a kind of inferiority complex, the result

of the Roman conquest of the old Greek states. If this course of rea-

soning is correct one might say that the policies of the Kremlin are

the unfortunate consequence of the fact that the Romans happen to

have administered a decisive defeat to the Macedonian armies at the

Battle of Pydna, 168 B.C.

waiting for the approaching victim; an atomic submarine is a wolf that that would pursue its prey. Reduction in Weight

Instead of increasing the amount machinery, atomic power may reduce it, with a consequent redu tion in weight. The dead weight of atomic fuel for an extended cruise would be negligible. Even the heavy shielding needed around the atomic reactor for protection of the crew might be less than the conventional submarines.

time in the water is so high at present that fewer submarines driven by atomic power could take the place of a large number of the diesel type. This is important when we remember that the U.S. submarine fleet comprises 170 vessels, that of Soviet Russia at least 350. Moreover, it takes an average of two years to build a fleet-type

peninsula attached to a huge solid submarine.

The reactor that is now developed by the Knolls Labora-The geographer recognizes but tory will operate at high tempera-ture. The heat generated will be transferred from the "fuel" to a liquid metal in a closed low-pressure system, then to a boiler, where steam will be generated to drive steam turbines. More power will be delivered to the shafts than is now possible for fleet-type units. Ne tangible products of combustion will be released.

NEW SURPRISES IN SANTA'S BAG OF TOYS -

Santa-working closely with the toy manufacturers-goes all out to keep abreast of the kiddies and thus ahead of the times. Here are some of the shiny new items that the old gent will leave under Yule trees of good little boys and girls come Dec. 25.

Fire

When



Ready The six-foot

fire truck fascinates Peter Vega, 7 Santa's pack guaranteed to make any juvenile fire into a first-class



The 1951 bicycles are as shirry as next year's autos. It's important to get the right size, ranging from the 16-inch junior (for age 4 to 6) at left, to the 26-incher "for 10 to 100." Inset shows detachable balance wheels for tiny tots.)



disintegrating. No . . . no H-bomb yet.



A junior atomic scientist oufit will appeal to the young genius in the family. It comes complete with Geiger counter, cloud chamber and a fluorescent screen to show radioactive material rolls onto a spring shooter inside the bank. Make the basket and the gum rolls out for chewing.



FEED AND WATER CONTAINERS. OLD VARNISH CANS WITH PORTIONS OF BACKS CUT OUT SERVE ON FENCE AS WATER CONTAINERS FOR POULTRY, OLD EAVE TROUGHS ON FENCE SERVE AS FEED CONTAINERS.





