OVERHEATED ENGINES.

The automobile engine in summer is like a human being in one respect at least; namely, that it readily becomes overheated. There is a variety of reasons for this undesirable condition which the motorist should be familiar

Overheating may be one reason. If the engine is allowed to gorge itself too unrestrictedly on motor fodder, it will tend to overheating. Those who found it necessary to cover the radiator in winter and take off the fan belt to keep the engine hot enough to run smoothly and with proper vaporization and firing, may find that they have as much trouble during the heated term keeping the engine cool enough to run properly.

Generally speaking, the nearer to the boiling point the water in the radiator gets without having it actually boil, and steam away, the more effective will be the results. Some engines develop much less than the maximum horsepower because they are too well cooled. Others seem to become overheated on slight provoca tion, causing the water to boil.

This would not occur if everything were working as the designer intended it should. During the cold weather the motorist who habitually drives with a retarded spark gets away with it because the temperature is in his favor. when the mercury goes up, he finds that his engine overheats and gives trouble. He has not changed his ethod of driving and cannot understand the cause of his difficulty.

### Keep Spark Advanced.

In hot weather one good way to overheat the engine is to drive with a retarded spark. A considerable manipulation of the spark control lever is required for getting the best The tendency is, because the

With the magneto, it is the general practice to advance the lever to threefourths or seven-eighths of the full range right after the engine is started and leave it there for practically all work except very high speed. The nature of the spark given by the magchanges somewhat with the speed of the engine, and the equivalent of an automatic advance and retard of speed of the motor. With the lattery of the radiator in order to have any system, however, there is very little circulation in this type of cooling system. change in the nature of the spark affeeted by the engine speed.

Overheating may often be traced to sediment in th- radiator, which cuts heating. And it is difficult to locate. of free radiation of heat. This may Some times the lining of the hose is be removed usually by the use of a loosened and folds back inside, coversaturated solution of washing soda ing the opening of the pipe so that and water. With the advent of hot water does not flow freely. Also the weather each year it is well to fill the lining of the hose will some times cooling system with a solution of this loosen up and pieces will lodge where sort and run the engine for several they cut off the circulation.

out, and thus flush the entire system before connecting up the hose again.
Where the thermo-syphon system is used, which does not employ a pump, it is, of course, impossible to do this. But one should remove both upper and lower hose connections after running the engine with the solution and wash it out with fresh water as well as possible. A hose inserted in the upper connection of the cylinder probably would force all the solution out, with any collection of sediment, and the e process with the radiator ought to clean it out.

Watch the Fan Belt.

Fan belts are more likely to get out of order in the summer than in winter. This may be because the engine throw grease and oil more readily in hot weather. Belts should have grease mough to keep them soft and pliable, but too much causes slipping. They should be wiped free of all oil oc casionally. There is always a belt adjustment, and this should be tightened so that there is sufficient tension to drive the fan at all engine

Wherever the flywheel has spokes to form a fan the oil nan and hood should be kept tight, so that air will be drawn through the radiator rather than through other openings. If the radiator is not kept free from oil the outside passages will very quickly collect dust, which will prevent a free flow of air and cut off the radiating surface. smeared with paint.

Pumps will wear out in time. But this is one of the last places to look He looked about carefully, but saw for trouble. The action of the pump nothing. And the shark, halting over may be determined usually be removing the radiator filler cap when the engine is running and noting whether or not the water is circulating. But if a baffle plate is placed in the filler opening it cannot be seen, and a test engine knocks at low speed, to leave opening it cannot be seen, and a test the lever partly retarded instead of can be made in the same manner by advancing it when a higher speed is which the cleaning solution is washed

#### Look Out for Sediment.

With the thermo-syphon system there is very little pressure generated and a slight obstruction will stop the flow of water. Therefore, it is more necessary to keep the system free from sediment and to see that the gaskets at the joints are made with circular openings of full size, so as not to obstruct the flow of water. Likewise, the spark occurs with the variation of water must be kept above the top hose circulation in this type of cooling sys-

> Carelessness in stretching the hose over the pipe is another cause of over-

Then drain the solution off In addition, keep the engine free and refill the system with clean water. from carbon and keep the valve push If in the system used a pump is em-ployed the upper hose should be dis-as lean as possible and be sure the connected from the radiator and the exhaust from the muffler is free. And engine should be run to pump the the discomforts and trouble from over-solution out of the system. At the heating during the warm weather same time water from a hose or other months will be lessened, if not enscarce should be fed into the top of the radiator as fast as it is pumped automobile and automobilist.

## THE SHARK

BY PIERRE MILLE

Translated by Wm. L. McPherson My friend Samuel Boze was washing his hands for the tenth time, at least that afternoon. It is a mania with him. You might believe that he was not a Jew, but a Mussulman, and constrained by his religion to a ritual of frequent ablutions. " I said that to him laughingly in the restaurant lavawhen he rolled up his sleeves once more, took off the many jeweled rings which he wears on his fingers and piously soaped himself half way up his hairy forearms.

He shrugged his shoulders, went out and selected a table and said to me, after ordering oyster cocktails :

"You can't ever be clean enough! You can't ever do enough to avoid carrying some sort of odor about you. All the things you touch—the leather of the seats in cabs, the cedar wood of pencils, even this scoured spoonhave an odor. That is bad. It is very bad. I have learned that much in my

Six or eight months out of every twelve Samuel knocks around the world, from the Persian Gulf to the islands of Oceanica and to Venezuela, buying pearls from the pearl fishers. Then he comes back to Europe to sell them. It is a good business, in which miuntes before he saw a gray shadow there is much adventure.

learned this." he resumed, "on the reefs of the Great Barrier, near a shark, an enormous chark. You know that there are banks of pearl oysters there, thirty to forty meters below the surface, all along the meters below the surface, all clong the coral chain. It is too deep for ordinary divers such as are used in the Persian Guif. You have to anchor a sailing vessel near the resis that sand men down in diving suits. It is the roughest sort of work. They have to spend four or rive hours on the sail sails. to his fagure,

On a ship I took to the reefs there each other, one working in the morn- on board began to pull the diver ing, the other in the afternoon. The rose to the surface one day a little earlier than he was expected. The the shark? What's he doing?" second, his younger brother, was engaged at the moment in cleaning some fish which he had caught with a line from the deck. They took off the older man's helmet and relieved him of his apparel-the cuirass of bronze and leather, and the rest of the suit all impermeable, ending in the shoes with

" 'Come, hurry up!' said the captain to the younger man, pointing to the

"The little Jap knew that Europeans are always nervous and in a hurry. Time is money, especially when a minute may represent two or three thousand france. The substitute wiped his hands on his linen drawers and started to find a basin in which to wash them

" 'Come! Hurry up!' the captain repeated.

"So he let himself be incased in the machine and went down.

"He hadn't been scratching the coral with his flat knife for more than ten your hands.' playing about his head. It grew bigger and became more precise. It was the Frankland Islands, in Australia. diver was very much astonished. He had never had such an experience before. The sharks of each country have their own habits and customs. Those of the Australian coast rarely attack a man. The sea is very full of fish, and there is much easier prey than this big, dangerous monkey, who spites back, making a noise and strikes with a pointed thing which he holds

and the worst is yet to come



"The little Jap believed that the shark's presence was due to chance The same effect is secured when the He didn't suspect at first that the visifront of the radiator is too thickly tor was after him. There must be some easier live victim or some carrion in the neighborhood, he thought. him, began to turn on his belly, bringing the three rows of teeth level with the man's head. The Jap stirred' the bottom with his knife so as to muddy the water, and also gesticulated. The beast rose several yards and waited.

" 'He's going to stay,' thought the diver. 'He is obstinate. He has chosen me for his meal to-day. He isn't like the other sharks. I'd better go up.

"He gave the hoisting signal. But in the code there was nothing to explain why he wanted to ascend. could only say 'Haul me up!' Above they were greatly surprised, yet they obeyed. They began to raise him, but very slowly. It has to be done very slowly, stopping the movement for several minutes at each fathom or fathom and a half. For the decompression mustn't occur too rapidly.
Without these precautions they would pull up a dead man.

"The ferocious fish coemed to understand. His prey was afraid and want ed to fiee. That encouraged him. With a single stroke of his tail he approach ed, plunging a little too deep, and then coming up with his stomach against the diver's stomach and his head level with the diver's head. The Jap kicked with his leaden shoes and stuck his knife into the animal's face. But the rounded knife edge glanced off the wrinkled skin. Nevertheless the shark drew away. It was always the same thing. These men have strange and disconcerting ways!

"A whole hour! It took the diver a whole hour to get to the top. The attack was renewed several times. The Jap, in spite of his sang-froid, began to shake inside his armor. The shark became more and more enraged. Now bottom, almost crushed by the pres- he changed his tactics. He tried to soned by the stun the man by striking him with l carbonic acid gas caused by their own tail. But the armor resisted. Finally they reached the surface.

"The ladder wasn't there. The ship were two Jap divers, who relieved had turned with the wind. The men around toward the ladder. But since irst, an old man, dry, courteous and his headpiece was out of the water taciturn—as, in fact, most of them are he could no longer see what was hap pening beneath.

"The shark wasn't far away. The Jap felt the grating of pot-hook teeth along his leg. With the other leg he gave a kick. The teeth glided along and fastened in the foot, some pene trating the leather, others bent back by the leather sole. The pullers felt the weight they were dragging in-They saw crease encrmously. shark clinging to the diver.

"Some one got a rifle and fired. The beast, probably hit, dived. These men are insupportable! Something incom prehensive always happens where they are concerned. The Jap reache the ladder and climbed up. They took off his helmet. His face and lips were ashy white and his teeth chattered

'I was attacked by a shark,' he said. 'That isn't natural! No, that isn't natural! What could have been the matter with him?

The older brother shrugged his shoulders. He pointed to the fish in the bucket and said: 'You didn't wast

"Perhaps you don't altogether understand." Samuel explained. little Jap hadn't washed his hands before putting on the diver's suit. He tive. carried with him the odor of blood and fish. That is what attracted the

We had reached the cigars. Samuel Boze paid the oferk and returned to the washroom

orly drained lands will absorb and hold for the crops a larger amount of the rainfall on the land than land cking in drainage facilities.

Routine and Ruts. Many people lament to themselves f not to their friends and families the fact that they are in a rut. They feel that as the years go by they wear their rut a little deeper and see less and less of what lies beyond its walls. Life seems to them to present a steadily narrowing vista. They contrast their condition unfavorably with that of the fortunately placed, who have leisure and wealth, who are not the slaves of routine, who can follow each day whatever pursuit they wish, and whose lives are enriched by variety of ex perience.

But people should not confuse ruts with routine, says a writer in Youth's Companion. It is not in the least inevitable that one who must pursue a daily routine should eventually fall into a rut. The people who most successfully preserve and develop their individuality are generally those who are most conscientious in performing routine tasks. The people who de-teriorate are those usually who neglect routine tasks, or who do them poorly and carelessly, with distaste or

Routine tasks, to be sure, are of all kinds; but that is only another way of saying that they are suited to all tem peraments. There is routine that brings a person constantly into association with others, and there is rou tine that keeps him for the most part solitary. Whatever the routine may be, it has its special facilities for developing and enriching the lives of those who faithfully pursue it. The routine of the research worker is as different as possible from that of the traveling salesman; that which the research worker finds reasonably congenial would be to the traveling sales man intolerable. The converse is equally true. So long as routine is reasonably congenial, it should be s blessing and not a curse. If it is reasonably congenial, - and the young man should not jump to a hasty conclusion that it is not, or he may find on being drafted into a routine of another he had supposed,—it offers scope for enlargement of the mind and heart that is denied to those who are mor osely grubbing along, making their ruts deeper and deeper. For in most cases when routine becomes a rut it is because the victim preversely insisted on transforming it into one.

A Day.

A little smile, some cheerful words, A happy greeting to the sun: A thought of growing things and birds Whose all-day song is just begun.

A kindly word for fellers who You pass a strugglin' on the road, A hunt fer little things to do An' mebbe lighten all their load.

A psalm a-swellin' in your heart, When tapers in the west of day Plumb glad that you have played your

part-Content with your humble way.

Some praise to God for restful sleep, Fer things that's gone, a thought o SOFTOW-A hope fer tender things that peep-An' hopin' fer the same to-morrow.

Wldow's Wit. Mrs. Bangs-"So that pretty widow s really married so soon again, eh?"

Old Bangs-"Yes." Mrs. Bangs-"But her late husband's will expressly stipulated that if she took a second husband her legacy was to revert to his most distant rela

Old Bangs-"That's where she was smart. She hunted up the relative and

During the month of April, 2,258 United States settlers arrived in Western Canada, bringing with them goods to the value of \$147,368, and ready money to the extent of \$598.154. My House

By OLIVE SARGENT

The tame house, the town house, it is not to my mind-With rigid rubber plant before and cabbages behind. The mason and the carpenter may work for townfolk still, But I have built a wee house upon a windy hill.

My own house, my brown house, is very near the sky; The dawn is at my window before the day is high, And when the darkened valley has lost the westering light My glowing, golden hilltop with sunset still is bright

The cold wind, the bold wind, my wee house cannot shake, Though dry leaves go whirling, though oak boughs bend and

It rushes o'er the ridgepole and whimpers down the flue-My tight walls, my stone walls, it cannot whistle through.

The shy birds, the wild birds, nest boldly in my trees; They educate their fledglings in fearless nurseries; All lightly, all sprightly, they swing among the leaves And scold marauding squirrels that rustle in my eaves.

No town-bought seeds are planted in formal garden ways, But, rare and sweet, the wild flowers go marching through

With violet and columbine, or autumn goldenrod, The blessed hilltop glows beneath the very smile of God.

My dear house, my own house, I'm climbing up to you, Where all the air is free and clean, and all the sky is blue. The tame folk, the townfolk, may have whate'er they will, But I will have my brown house upon a windy hill!

# **CANADA'S POST-WAR IMMIGRATION**

GOOD CLASS OF PEOPLE COMING NOW.

### Majority - Are Farmers and Most of Them Possess Substantial Capital.

In the resumption of immigration on a substantial scale in the post-war period there have been several features of a gratifying nature to the Dominion of Canada. Canada as a bourne for new honce, an outlet for pent-up energies, a land of great future for the creation of new homes has appealed to the highest and most intelligent types of people who have flocked thither in a resistless avaianche. Many of these people are pos sessed of substantial capital which they are investing in the farm lands and industries of the Döminion. Striking and pleasing, too, is the evidence of the main stream bound for the land, for those expansive, ferthe partially cultivated tracts, the greater productivity of which is the prime factor of Canadian development.

It has been agreed among the best authorities on the question, in the absence of reliable statistics, that immigrants from the British Isles have brought with them in the past approximately \$100 per head to make a start in their new home. This figure was based on estimates of pre-war immigration, and whilst there are no statistics to go upon for the period since the war it would be safe to assume that for the year 1920, for instance, it could be considerably raised and still be conservative. The group hit most directly and severely by the war in England, and in which there is proportion looking for a betterment of conditions in new fields. was the middle class, and this class has been found to largely compose the crowds which leave the liners at Canada's ports of entry.

Per Capita Wealth of Immigrants. The per capita wealth of persons has always maintained a much higher exquisite perfume level, being largely in excess of the average from the British Isles, due

without doubt to the large proportion learned that other things than geranof farmers who have sold their old jum leaves give their utmost fragholdings to purchase new farms in the rance on being crushed. How many been made by immigration authorities are that have given out their sweet up to \$1,150 per person, and it would fragrance when crushed with worldly

average of \$500. 1920 illustrates the distribution of the flowers of God are satisfied with a various classes which make for the frigid purity when God wishes them to most agreeable assimilation. It is be warm with the perfume of love. gratifying to find that still the over- That perhaps is why He sends some went on the land. Of the adult immi-fering we may learn sympathy. grants entering Canada by ocean ports is the hurt of love that gives to our and border ports, 19,185 were of the lives the fragrance of understanding farming class or declared their inten- and sympathy. tion of settling on farms; 6,821 were laborers: 9.283 mechanics: 2.720 were

The gratifying feature of United States immigration to Canada has alperception of hypocrisy and insincerways been its large proportion of ity that is uncanny. Most boys have farmers and agriculturalists, and in the year 1920 this was substantially ing and jokes and have a wonderful maintained, of the 19,185 men who intended following the profession of their sense of justice is accurate, and farming, 16,177 being from the various they really like discipline, for it reagricultural states of the Union. The laboring class accounted for 3,882, or a little more than half of the total of this transient calling. There were 5,931 mechanics or more than half of the total machinists. The trading the total machinists. The trading class from the United States account ed for almost the total of this cate victor is he who can go it gory with 2,008 out of 2,720, whilet the 848 miners made up more

two-thirds of the immigrating total of this class of labor. Of the total 996 female servants listed on the returns, 578 came from across the line. There vere 6.842 tabulated as unclassified.

Many British Industrials. British immigration to Canada has always had a tendency towards the industrial centres rather than the land, and with 800 followers in the 1920 figures, the class of mechanics looms up largest, those who avowed their intention of following agriculture accounting for just more than half this number with 472. There were 340 laborers and 186 of the trading class. Whilst only 86 are Msted from the British Isles as domestic servants, this would presuppose the omission from statistics of those government conducted special parties of this class of labor which reached fairly high figures. There were 598 persons from the British Isles entered in Canada as

of unclasified professions and callings. The United States human contribution to Canada is always most pleasing on account of its locating where most needed; Great Britain is apt to send more to the industrial centres than to the land, and laborers and female servants are largely made up of those immigrants coming from other European countries. The maintaining of an equitable balance of classes in 1920, as illustrated by the figures, has made for rapid and agreeable assimilation, the most valuable asset in development in times of economic stress.

## Crushed Flowers.

My mother, writes a thoughtful conributor, grew geraniums and other flowers in the big window of the sitting room at home. That window is a treasured memory of childhood. To us children the flowers that bloomed there seemed the most beautiful things in the world. When the ground outdoors was frozen and covered with snow the window was full of life, color and fragrance.

One day I asked my mother for a geranium leaf and, when she gave it to me, crushed it in my hand the bet ter to enjoy its strong fragrance. At another time I took a dozen or more leaves, put them into an old sugar bowl and crushed them with my little fist until the fragrance filled the air. put the bowl on the bureau in my bedroom, and that night I went to immigrating from the United States sleep in an atmosphere heavy with the

As the years have passed and I have grown in knowledge of life, I have Varying estimates have of God's other precious flowers there seem a very fair estimate to take an misfortune and grief. Flowers should be more than beautiful; they should A survey of immigration for the year be fragrant as well. Too often the whelming majority of immigrants crushing misfortune that through suf-

To be a successful leader of boys of the trading class; 538 miners; 996 a man must live the life that he wants female servants, and 9,721 unclassi- them to live. A boy is a critical, suspicious creature, with high a sense of loyalty; but he has a high a sense of humor: they like play-actcapacity for getting into scrapes; yet lieves them of responsibility. But it is useless to preach to a boy unless you are ready to back up your counsel by your example.

> Blind horses nover make a mistake in their diet when grazing. Like all other horses, they are guided by the nostrile in the selection of proper food.