FOREST'S DEATH KILLS COMMUNITY

A Graphic Lesson in Forest Conservation Furnished by the Town of Cross Fork, Pa.

By Samuel T. Dana, U.S. Forest Service

or six families were living on the site where two years later stood the busy town of Cross Fork, Pennsylvania. For some 14 years, Cross Fork led a feverish existence while the forest wealth was stripped from the surrounding hills. The life of the town was, of course, the big sawmill, which had a daily capacity of 230,000 board feet and was up to date in every respect. In 1897 a stave mill was established also, and various other minor wood-using industries existed at different times. In its prime, Cross Forks had a population of 2,000 or mere and was generally known as one



Discovered Ethylene

Dr. W. Easson Brown, of Toronto, Canadian doctors, who are making important contributions to medical re- mens." search. Dr. Brown was the discoverer of pure ethylene as a general anaes-

In the autumn of 1893, before lum- of the liveliest, most hustling places bering operations started, perhaps five in the State. A branch line of the Buffalo and Susquehanna Railroad was built to the town. Stores of all kinds flourished. There were seven hotels, four churches, a Y.M.C.A. with baths and gymnasium, a large, up-to-date high school, two systems of water works, and two electric light systems.

But the prosperity of the town was

as short lived as the timber supply. In the spring of 1909 the big sawmill shut down for good. From then on the population dwindled rapidly. Fires became so frequent that the insurance companies cancelled their policies. Five-room frame houses with bath were offered for sale for from \$25 to \$35 without finding a buyer. In the winter of 1912-13 the stave mill also ceased operations, and the next fall railroad service, which for some time had been limited to three trains a week, stopped altogether. To-day the total population consists of but 60 persons. If it had not been for the State. which bought up the cut-over lands and has undertaken in earnest the work of reconstruction, the town would be as desolate as the surrounding hills. As it is, Cross Fork is now a quiet little hamlet, the merest shadow of its former self and without hope for an industrial and useful future until the timber grows again.

Botanical Terms.

A certain teacher, proud of the way in which she had instructed her class in botany, told the examiner to call on any scholar and to ask whatever question he pleased on the subject.

It happened that the first pupl selected was a new-comer who had attended only two lectures. Asked to name some botanical terms



NO FEAR OF THE BOLSHEVIST MOTH Britannia-"This good old flag is moth-proof."

-From the Passing Show.

Limited Supply.

Mother (to small daughter)-"You have your shoes on the wrong feet." Small daughter - "Why, mamma, they're all the feet I have!"

Stamps specially printed to commemorate the anniversary of the another of the group of brilliant young he replied: "Please, sir, I know only Portugal-Brazil flight last year have two-aurora borealis and delirium tre- brought the Portuguese Government quite a good sum of money. The good sugar in home brew!" stamps were on sale in Lisbon for A normal man's heart beats 92,160 three days only, and were eagerly bought by collectors.



Fly-"What a pity to waste all tha

Better be silent than speak ill. lalong the highway.

MOTOR LIGHTS ACT AS A HELP OR HINDRANCE.

automobile as an ornament. They desirable result if the bulb is focused serve a very practical purpose. One properly, the vibration of a car may does not have to let his imagination jar the light out of focus on some run far to picture the chaos that cars or the light may be focused would ensue if care were not equipped wrong by an inexperienced or an inwith head lights.

dition does not always obtain.

In regard to lights, motorists are divided into two classes-the considerate and the inconsiderate. The inconsiderate think it too much trouble to be constantly dimming their lights as they meet other machines on the

If a driver who is approaching a car with the lights blinding him so that

AUTO'S LIGHTING SYSTEM.

The electric lighting system of an entirely different proposition. Here your mind goes travelling inquiringly automobile is generally of the form the street lamps and the electric lamps back over the centuries and loses itin which the current is obtained from and electric signs usually give suffi- self in a maze of vague wondering. a battery which is kept charged by a cient illumination so that the driver You've looked at mosaics elsewhere. generator. The main lights of a sys- does not need any lights on his car. too-and laughed at them, no doubt tem are two large white lights in Of course, to comply with the law he There's that odd mosaic of health befront which are supposed to deflect must keep his dimmed lights on or use liefs, for instance, that is so fascinatthe beams of light to the ground. The side lights if his car is equipped with ing. Here is a person who reads all theory is that a strong beam of lights them. No capable driver will use his the patent medicine advertisements in will be thrown on the road ahead but bright lights except on a country the yearly almanac and buys up most will not reach the height of the eyes highway. of the driver of another car or even Lights should be turned on one-half the symptoms they describe; there is of a pedestrian who may be walking hour after sundown. During the first a Montevidean lady sitting at home

Head lights are not placed on any While lenses may accomplish this

competent driver.

When an auto owner takes his ma- Another light in the system is the chine out on the road after dark his red tail light. Through an attachment head lights display the highway ahead. to the clutch or brake pedal it is pos-They help him to find his way without sible to throw the word "Stop" on an difficulty. They should not hinder extra tail light which in the night other motorists from finding their gives the warning to those following way. Unfortunately, this latter con- that the car is slowing down. Some cars are also equipped with two extra white side lights in front for use in termed a laryngaphone, has been incity driving, where the regular large vented in England. The sounds are lights are not needed.

One reason why some drivers do in the picture. not dim their lights when meeting cars is because of the number of cars on the road and the location of the dimming control switch. This situa-These drivers overlook the danger tion requires a driver to constantly course; old mosaics chipped and in which they place their own lives. lean forward in order to turn the broken and crumbling and picturesque, he cannot see where he is going he driving in the country where dimmed stood the ravages of time and the elemay turn to the right, turn turtle in lights are most important the cars ments, fascinating the traveller all the a ditch and either be killed or injured. that are met in the night are not apt more because of the decay and imper-On the other hand this driver may to be so numerous but that the cour- fection of the broken tesserae about it. turn to the left and crash into the tesy of dimming lights can be prac- "Here's a perfect bit," you say; and approaching machine, with serious re- ticed without serious inconvenience. you stand wondering at its beauty. USING BRIGHT LIGHTS.

hour after this time the lights are wrapped in an uncomfortable combinausually valueless. Care should be ex- tion of furs and hot water bottles beercised nevertheless to turn on the cause she thinks artificial heat highly dimmed lights. This twilight period is injurious; there again is an Indian the worst time of the day for driving, medicine man creating an infernal for it is too light for the lamps to be noise for the purpose of quieting a deof much use and too dark to see the lirious patient. From all corners of road ahead clearly.

in night driving in the country. Its ginning to show signs of wear; and beams can be thrown ahead of the every now and then a marvellous new regular headlight beams, giving just piece is added. the additional distance of illumination | Have you noticed that little square on the road to permit driving safely that a Canadian city has contributed? at a fair rate of speed. When meet- Solid as any in the whoel pattern, we ing a car the headlight can be dimmed hope. It is a city that is building the and the spotlight thrown to the right health of its people on the foundation to illuminate the ditch on that side. of a vigorous infancy. Only a few In heavy traffic the tail light of years ago its record was a little less the car ahead is a good guide to the than moderately good. In 1919, for input on heavy lights makes it difficult year of age out of every thousand

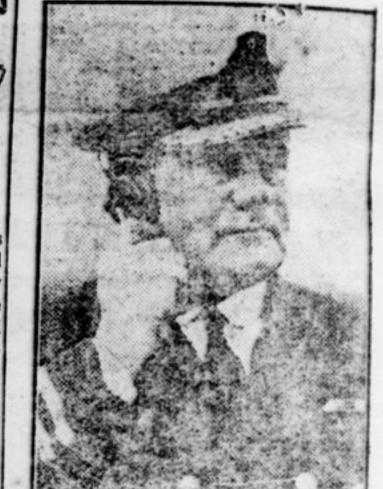
to the sailing master by making one against glaring lights is a shield of lished a weekly pre-natal clinic where on a passage to New York. The map opaque or translucent material placed expectant mothers were taught the enabled the sailing master to steer in the left-hand corner of the wind simple laws of health and personal The greater part of the accumulated the vessel away from a storm area. shield, behind which the blinded bygiene, and helped them to develop waters is crowded against the Green- The preparation of the daily weather driver may hide his eyes. But better the habit of conforming to these. It land coast and forms the East Green- map is now a matter of routine on than this would be more thoughtful- established five Well Baby Clinics to ness and courtesy by drivers on the which babies report weekly to be country roads at night.

Sick of the Palsy.

"Mummy, what's the palsy?" "Oh, it's a disease, darling, that gets every possible chance to be makes you shake all the time."



brick in exchange."



Phone Without a Mouthplece. A telephone without a mouthpiece. transmitted from the larynx as shown

Mosaics.

You have seen them in Italy, of switch, and detracts his attention with here and there a group of little somewhat from his driving. When squares and hexagons that have with-Why did it outlast the rest of the mosaic? Better material? Better Driving at night in the city is an workmanship? Both perhaps. And

of them because he's sure he has all

the world contributions are made to A spotlight, although against the this interesting pattern. Parts of the law in some parts, has its good points mosaic have crumbled, others are be-

city had, by 1919, begun to waken up,

weighed and measured and examined generally, while the mother and the nurse in charge discuss diet and clothing and temperatures and ventilating and other kindred matters. The baby healthy and happy and well-trained. "No wonder the poor man was sick But if the nurse finds that he shows signs of departing from the straight and narrow road that leads to a life of health, off he goes to the Sick Baby Clinic, where he is put under the care of a physician. Last year the four trained workers in the baby clinics reached one quarter of the children under five years of age in that city, and made 5,327 visits to the homes of children under supervision.

And the city has reason to be proud of its experiment and of the establishment of this new public utility. The education of the citizens thus being promoted has resulted in the infant mortality rate being cut in half within three years. Here are the figures: in 1919 the death rate among infants was 116.7 per 1000 live births; in 1920, 104 per 1000 live births; in 1921, 80.7 per 1000 live births; in 1922, 65.5 per 1000 live births.

That city was London, Ontario, Do you know what contribution your own community is making toward the Canadian section of the world's health mosaic, Social Service Council of Canada.

John's Version.

John was the son of parents who were sufficiently popular to receive more invitations than they could conveniently accept.

In the course of a general knowledge lesson, the master asked: "Can any boy tell me the meaning of the letters R.S.V.P. ?"

John's hand shot up.
"Well?" said the master. "It means," explained John, "rush in, shake hands, and vanish pleasant-

With The Ice Patrol In The North Atlantic

BY JACQUES W. REDWAY

hovering in the vicinity of the Grand high seas. has intruded upon those routes.

utmost caution. To-day the sailing and the danger of collision is reduced. nished by the patrol cutters of the United States Coast Guard, according to international agreement.

The routes between the ports of any other transocean route in the to decide upon a course that is safe, so The icebergs are in evidence in April, world. The number of steamships far as ice and fog are concerned. scattered along the lanes at this season averages between fifty and sixty at any time, going and returning. At the present time the front of the ice field lies practically within cannon shot of every one of them in passing the Grand Banks.

International Safeguard.

ternational convention at London in bow on have rarely suffered much the following year determined upon damage from the impact. an international patrol service to cover the danger area, and the American

man land

parallel—that is, about as far south with such an object. The Titanic but its watershed embraces approxi- designation of courses of safety. Inas the latitude of Portland-in order crumpled and broke at the impact. | mately one-third of the formations of ice and fog were the cially in heavy traffic. to find and report upon the position of ice. The experience of the past has

year to year; they change greatly even formed anywhere from Baffin Bay to tic winter, melts and adds to the volduring the season. Once in the dan- the waters off the Labrador coast. The ume during the Arctic summer. ger area the chief business of the pa- ice field may break as early as the trol is to broadcast information con- latter part of January-usually by cerning fog and ice to approaching February. It is over the banks in western Europe and those of the north vessels. Thereby the master of a March and April. It is quickly broken Atlantic seaboard are traversed by a steamship leaving a north Atlantic into sludge of the sort that fills the greater number of steamships than ply port has all the information necessary ferry slips after a winter cold wave.

The ice, which swirls about in the choppy waters of the north Atlantic, takes various forms. The field of frozen sea water breaks into huge cakes-the work of winter storms and high winds-forming floe ice. Sometimes the sharp friction of gale winds drives the floe against the coast, On April 14, 1912, the Titanic, one crunobing it into long windrows that of the biggest ships affoat, crossed the pile up fifty, sixty or even one hundred tail of the Grand Banks. When in a feet high. In time the pack ice breaks position of supposed safety she struck and floats into the area of Grand an iceberg and joined the vessels that Banks. The broken masses of the constitute the greatest ocean grave- pack, turreted and costellated in outyard in existence. Other horrors had line, are not especially dangerous to been shaping public sentiment; that navigation; they go to pieces quickly. of the Titanic was the climax. An in- Steamships which have struck them

Iceberg Menace.

government was requested to organize | An iceberg is a different proposition. and manage the patrol. By agreement | Icebergs are the products of Greenland the expense of maintenance was divid- glaciers; and most of the icebergs that ed among the signatory powers in pro- float to Grand Banks are broken from

Information from Arctic waters re- portion to the aggregate tonnage of the glaciers whose fronts are in the May and June. They usually hover also is the most serious menace to the barrier one hundred miles in extent important safeguard to marine trans- as a matter of fact, most of them orig- occasionally they drift further south.

Banky, the great shoal off the New- At the present time two cutters, far enough so that the uplift of the ice floating through Davis Strait is tofore held to the effect that in the foundland coast. The meaning of the each stanch enough for any sort of water breaks it off. Berg ice is the directly in proportion to barometric latitude of the Banks, the waters of dispatch becomes clearer by a state. Arctic service, are employed. Each densest and most solid form in which presure in the region north and east Arctic currents dive below the surface ment that fee of various forms has vessel is on duty in the danger area ice exists. Tremendous pressure has of Hudson Bay. The greater the baro- and continue as undercurrents. Lieudrifted from Baffin Bay until it is two weeks at a time. The relief cut- squeezed the air out of it and has metric pressure the stronger are the tenant Smith finds that, in general close to the lanes which are traversed ter begins its service almost immedi. given to it a resisting power that is offshore winds which drive the field this is not the case. On the contrary, by steamships to and from British ately on leaving port for the danger not possessed by any other form of ice away from the shore and into open the evidence gathered by the patrol ports-or possibly that the ice field area, collecting information from every ice. A steamship ramming an iceberg water. possible source. On reaching the drawing several hundred feet of water The Arctic Ocean is almost an in- waters is to spread out upon the sur-A few years ago information of the vicinity of Grand Banks search pro. has but little chance of escape if strik- closed basin. Its widest outlet lies be- face. gresses all along the possible position ing it under full speed. Not even an tween Greenland and Europe. The The work of the Coast patrol has believe being the babies born. That is to say more than of the ice field as far south as the 43d | ice-breaker can withstand a collision ocean itself is comparatively small, suplied many needs essential to the that can be tilted down close to the one out of every ten died before com-

Reaches Grand Banks.

Limits of Arctic Ice Field.

The area east and south of Newfoundland known as Grand Banks is approximately the area covered by the shifting limits of the Arctic ice field - the ice which drifts southward through Davis Strait in spring and early summer. In the opinion of many marine hydrographers, the great shoal bearing that name is the product of the icebergs themselves, which are carrying to the Banks yearly tons of boulders and gravel, estimated in millions, from the Greenland glaciers. Certain it is that the icebergs born of Greenland glaciers are dropping their leads of rock waste upon Grand Banks year in and year out.

cently noted the presence of an ice their ships. Thus was born the most fjords of the west Greenland coast- about the Banks until they melt, but world's chief traffic route. portation ever put into service on the inate in Disco Bay. The front of the One important fact has been fairly Lieutenant Edward H. Smith, of the

glacier is pushed out into deep water- well established. The amount of field Coast Guard, notes the opinion here-

northern hemisphere. The rivers of first warnings broadcast. It quickly In going around a corner or up a however, and it did a number of things the great northern plains of the two became evident that storm warnings hill headlights are sure to throw a without delay. Of course it began by Floes and masses of pack ice are continents pour their waters into it; also could be sent out. B. C. Kadel, glare in the eyes of the drivers going forming an association. It also set the first to appear within the area of still more, ice from the moisture of the an official of the U.S. Weather Bureau, in the opposite direction. Special care aside an office for the work of the as--that is, of icebergs—vary much from the Grand Banks. This ice may be air, accumulating during the long Arc. demonstrated the value as well as the should be exercised in such places.

East Greenland Current.

does not discharge directly into the north Atlantic; most of it flows around the south of Greenland into Baffin Bay. which affects humanity in general, is

ace to ocean travel and commerce. The polar ice in trans-Atlantic traffic lanes; the Coast Guard patrol. Why floe and greater part of the northern hemisberg hover about the Banks is a ques phere. tion which can be more correctly answered today than a few years ago. Sam to provide and equip an observa-

shows that the tendency of polar

Observation Station Needed.

There it joins local movements and the necessity of Arctic weather stafinally flows out through Davis Strait tions from which meteorological con-The Labrador current carries the does barometric pressure in the Far ice which constitutes the greatest men- North determine the movements of description here given represents the it also is a factor in determining the most recent information obtained by character of weather conditions in the

In the area roughly limited by the 43d tion station where drifting bergs may parallel on the south the wind drift be noted and their probable position of the Gulf Stream checks a further charted. The request certainly is reasoutherly drift of ice. Although in this sonable. The time required for a berg latitude the Gulf Stream has lost its to drift to the Banks is pretty well deown inertia of movement, its drift termined. Certainly a sailing master The Cop-"Hey! You ain't allowed possesses the inertia of strong and will be none the worse off if he knows to throw bottles at the umpire." constant southerly winds, and the the number of bergs he is likely to The Fan-"No?" force of these is sufficient to arrest pass either going or coming; and The Cop-"No. You might break further progress of drifting ice; it sup- thousands of passengers, knowing that one on his dome an' they cost money plies also the essentials which create they are safeguarded as never before, Return 'em to the boy an' get half a









ONTARIO ARCHIVES TORONTO

Industry The leather industry comes within the thirty le

Canada's Lea

e year 1921 there were I gaged in the industry if which a total of \$32,137. vested. These plants ment to a total of 4,208 per ceived in wages and salaf of \$4,081,062 during th total Canadian leather p that year was valued at Of the total plants 5 were Nova Scotia, 2 in New B in Quebec, 40 in Ontario toba, 4 in Alberta and

Columbia. The progressive growth dustry is exhibited in ev operation in 1920 in com-

The principal items in leather. Though Ontario Quebec in the number leads in the value of proa value of \$18,900,556. Vinces \$115,979.

that practically every imin Canada, and that while are waxed or gl zed skins ponding export trade was I and upper leather.

Dandelions Outwi Lawn Mower

To see the manner in while ion plant spreads itself of ground on a lawn kept clos ion grows upright, taking it he erect-growing Cos La icularly into the air sends

Why? If you will take dandelion plants on the lawn The dandelion growing under iar will be found apparently

But when the tin can is r dandellon in the tall grass sides, so that they more of

every day for two year War Service Medals were with the recipient's name, a Edgware firm of medal mas is a record in this work.

Electric light has been su said to produce crops in half required by Nature's own m

A Plain Talk. Are you looking out I Success Family?

The father of Success as The mother of Success bition. The eldest son is Co Some of the other b Perseverence, Honesty

oughness, Foresight, Enths Co-operation. The eldest daughter is acter. Some of the sisters were

If you know the father family