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THE SIMILKAMEEN STAR

FINEST PICTURES
at Princeton's
CAPITOL THEATRE
Every Week-Night

Fiftieth Year; No. 21— PRINCETON, B.C., FRIDAY, 16th JUNE, 1950 5c per Copy; $2.00 per Year

20th Annual

COPPER MTN. SWEEPS FIRST AID EVENTS

Nickel Plate Takes Mine Rescue Trophy; Princeton Makes Poor Showing

MAINTAIN FINE STANDARD

Large Entry. Keen Competition; Minister Here.

COPPER MOUNTAIN virtually monopolized the honors in the 20th annual field day of Similkameen Mine Safety and First Aid Association, with perhaps the most decisive sweep in the long history of this colorful and humanitarian event.

They won five of the eight events and placed in every event for an unofficial points tabulation of 46 against 12 for Princeton and 7 each for Hedley and Nickel Plate.

Nickel Plate, however, had the satisfaction of keeping the Mountain from a clean sweep by taking the mine rescue trophy.

Now! without a major operating mine, Princeton had no entry in this event. and generally made one of their poorest-ever showings.

JUNIORS DO WELL

Family of the day was the Stevenson's of Copper Mtn., represented by six prizes.

Event was held in perfect weather at Princeton's Memorial Park As usual, the crowd was modest and rather devoted to first aid work than expecting exciting entertainment, and it is still a friendly observation that a good purpose would be served by a measure of dramatization, without interfering with its true function as a test of technical skill.

We, the public who do not know a fibia from a fib, would get much more kick out of Stan Wilson carving out a calf's gizzard than a specialist performing a cerebral incision. But if we knew audacious science was attemimg to inject some horse sense to the top side of M'Gillicuddy's cute little tail bone and were given a running play by play of hits and errors, we might be intrigued and amused. If a spot of staging were given to a hypothetical accident, and the doings explained we could express our appreciation through some understanding.

WORTHY WORK

As it was, there was great competition among the kids to be the corpse, and the public does want the first aid folk to know that their skill and keenness in this vital service in this mining area is truly honored.

The prizes again were some incentive—topping $1000, it is said—and the organization was good.

Local doctors judged the first aid events and Inspector E R. Hughes the mine safety competition. This year the floods failed to spare us the politicians and the Minister of Mines presented the prizes.

RESULTS

MINE RESCUE

MINE RESCUE TROPHY
Six Men, open to all teams in BC
Four entries
1 Nickel Plate (R.E.C. Richards, captain); 2 Copper Mtn (E. Pickard); 3 Nickel Plate (P. Shellan); 4 Copper Mtn. (F. G. Stevenson).

FIRST AID

GRANBY CUP
Five Girls, Under 16
Five entries
1 Hedley (Anne Knowles. capt.) 2 Copper Mtn. (P. Hambly); 3. Copper Mtn. (M. Stevenson).

GRANBY CUP
Five Boys Under 16
Two entries
1. Copper Mtn (W. Thomson); 2 Copper Mtn. (R. Skelton.

BENNETT CUP
Five Ladies. Any Age
Six entries
1 Copper Mtn. (Miss P. Hambly capt.); 2. Copper Mtn. (Mrs F. G. Stevenson); 3. Copper Mtn. (Miss Pearl Premorkoff).

NOVICE CUP
Six entries
Teams of Five Men or Women Who Have Not Previously Won
1 Copper Mtn. (Miss M. Stevenson); 2. Hedley (Miss Anne Knowles; 3 Copper Mtn. (Miss P. Premorkoff).

DEPT. OF MINES CUP
Teams of Five Men in Mining Industry
Three Entries
1. Copper Mtn. (D. Ogren. capt)
2. Princeton (R. Miller); 3. Copper Mtn. (F. G Stevenson)

BOCKING CUP
Teams of Five Men
Three Entries
1. Copper Mtn. (E. Pickard, capt
2. Princeton (R. Miller; 3 Copper Mtn. (F. G. Stevenson)

OOALMONT SHIELD
Teams of Two Men or Women
Eight entries
1. Princeton (R. Miller); 2. Copper Mtn. (D. Ogren); 3 Princeton (J. Cunliffe)

Box Score

	1	2	3	4 Pts
Copper Mtn.	5	5	5	1—46
Princeton	1	2	1	0—12
Nickel Plate	1	1	0	0— 7
Hedley	1	1	0	0— 7

Based on 4 for 1st, 3 for 2nd, 2 for 3rd, 3 for 4th (unofficial)

A Canary and a Bit of Gauze Miner's Friends

Davy (Safety) Jones Tells All About His Modest Pals of the Underworld

THIS is the story of the evolution of the safety lamp, as told by the collection in the Princeton office of District Mines Inspector E. R. Hughes.

One of the top functions of Mr. Hughes's important work is mine safety, and in the coal mine there is no more important adjunct to safety than the detection of deadly gas.

We here have seen gas explosions. Some of us know all too graphically the deadly enemy of the pits, and its tragic toll. We honor the work of mine safety and this annual effort to impress its importance, and demonstrate preparedness and prevention.

We wish that this romantic little army of salvation could have been on display to tell its own fascinating story. We shall let it, as best we can.

We introduce you to the pioneer. It will introduce you to its pals in progress.

I am Davy Jones; just one of the Jones boys.

❖

I am the safety lamp My friend is the miner. He risks his life to keep you warm, to cook your food and wash your clothes. I try to protect him. I would like you to know me, and meet my pals. I have some strange pals, from the scientist to the canary bird. We are a modest lot, and we started in a humble way If I overlook one or two, I'm sure they won't mind. From the fire-boss to the automatic detector—that's me carried to the nth degree — we have a big job to do quietly. We don't look for glory; if I overlook a pal or two it's because we're too familar to notice. But we do make a grand team.

❖

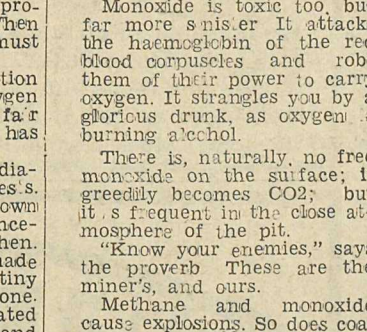
He Found The Secret

Sir Humphrey Davy

Inventor of the Safety Lamp

[1815]

❖



My enemy is gas—the sort of thing that is your best friend, that fries your bacon and boils your shirts. Gas is fire—a good servant but a bad master. When you burn coal, it is mostly the gas that burns In combustion it makes other gases.

Burns & Co.

Almost everything burns. When iron rusts, that it slow combustion, the oxygen from the air forming an oxide.

The same thing happens when you breathe oxygen from the air. It burns in your lungs, and is carried in the blood cells, and gives you energy. It burns some of the tissue, but its energy makes new tissue. Without oxygen you would die. Too much a mixture would give you a glorious jag, but would burn out your tubes in no time.

Your mother Nature provides the right mixture. When we engage Nature, we must compensate her.

There is no combustion without oxygen, but oxygen is everywhere. She is the fair hostess of the gases. She has many violent kin.

Aeons ago your black diamonds were tropical forests. The dinosaurs roamed down Bridge Street; only Princeton was upside down then. Great seas came in, and made great swamps Millions of tiny clams made your limestone. Sometimes salts impregnated the wood and the fishes, and made fossils.

But by and large the tropical forests subsided in the tropical swamps. Volcanoes baked them under great pressure. and earthquakes turned them upside down. They became your coal seams. The amber you see in Blakeburn coal is tropical resin Under other conditions carbon crystallized and became diamonds, elsewhere the graphite that polishes your stoves and writes in your pencils. The sugar that sweetens your tea is largely carbon. There is a lot in the black mystery of coal that you never use and never know. But we know, my pals and I.

The Romance of Mine Safety

Dis-gas-ted

In the combustive putrefaction of a swamp marsh gas is formed. You have often smelt it—that marshy, mouldy odour. It is composed of carbon—found in all vegetable matter—and hydrogen, found in water and in the air

It is known as methane, CH_4 (C, carbon, one part; H, hydrogen, four parts). It is a most violent gas. You burn something like it in a carbide lamp, and you know what happens when the gas accumulates.

Now as the forests subsided in the swamps, some of this methane was locked into the coal. It has lain there for millions of years. When the seams are exposed and the air gets in, the coal sweats, and the methane oozes out.

Ventilation, besides bringing air to the miners, carries off this and other dangerous gases; some dangerous because they explode, some because they suffocate But ventilation is man made. The gas has to be watched

There are two other gases that spell danger to the coal miner. Both, likewise, are carbon gases, formed by combustion, and containing oxygen. You might call them carbon rust, except that the oxygen takes on the carbon, whereas the iron takes on the oxygen.

Gas: Life and Death

One is carbon monoxide, the other carbon dioxide Monoxide is caused by incomplete combustion, due to insufficient oxygen. The other, product of complete combustion, is carbon dioxide. You will see it in the names and the chemical formulas (Mon, one; di, two)—CO and CO_2. (O, oxygen).

Monoxide is only half burned. It is greedy for oxygen, and very explosive CO_2 is fully satisfied. It will put a fire out. It makes your bread rise and your pop fizz. It is used in fire extinguishers. It is breathed out of your lungs. It is fresh air for plants, but suffocation for you

Monoxide is toxic too, but far more sinister It attacks the haemoglobin of the red blood corpuscles and robs them of their power to carry oxygen. It strangles you by a glorious drunk, as oxygen is burning alcohol.

There is, naturally, no free monoxide on the surface; it greedily becomes CO_2; but it is frequent in the close atmosphere of the pit.

"Know your enemies," says the proverb These are the miner's, and ours.

Methane and monoxide cause explosions. So does coal dust, by a sort of spontaneous combustion, when it is too dry. Dioxide is the product of explosion. The miner calls methane firedamp. monoxide blackdamp and the post-explosion gas — dioxide mixed with nitrogen — afterdamp. The names are fitting.

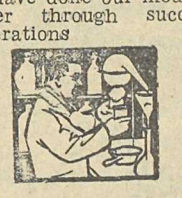
Methane is not a poisonous gas, but it will not sustain life, and where it supplants oxygen, of course, men die

The Battle Force

Monoxide and methane, and coal dust too, cause terrible explosions and fires in the rifle-barrel that is a mine. That is why we have to be so alert, so careful. Of course that is why no naked lights are allowed. There is always a certain amount of these gases in a mine, and their behavior is freakish We have to be eternally vigilant. Before a shift begins, the fire-boss goes round with one of my pals and tests the amount of gas, and keeps a record of it in a book. and the inspector comes round and checks up periodically, and takes samples of mine air and seals them in glass tubes and sends them to the Ottawa laboratories for minute analysis. In this way we not only know when a mine is dangerous, but also how it is likely to behave, and we are able to devise efficient means to keep it safe.

But in spite of all this, our enemy is cunning, and accidents can occur and that is why we have trained mine safety teams, and special emergency apparatus. But we don't like to think about that, except to demonstrate once a year that we are prepared.

But now I'd like you to meet my family and see how we have done our modest job better through succeeding generations



I am the grand-daddy of them all. I made it all possible. I am the brainchild of that great British scientist, Sir Humphrey Davy (1778-1829). In 1815—just after the Napoleonic wars and on the eve of the Industrial Revolution, alarmed at the frequency of pit accidents in the increasing demand for coal, evolved the safety lamp. The principle on which I am built is the screen.

Davy learned that a fine gauze encloses flame and heat, by a sort of condensing action. It is no longer an open flame, but a safe light Not only so, by the behavior of the flame, he found you could detect the presence of dangerous gases. I became the prototype for safe lamps for almost a century.

Pageant of Light

I may look a little quaint and sturdy, for fashions change, but you'll assess me quite practical even to-day.

I am cylindrical, of brass. I burn colza oil. My wick is shielded by fine gauze I am known as the "60", or **single gauze** type.

The first of my kind had no glass, but I have an airtight glass cylinder.

My younger brother, here has a **double gauze.** It was found to be more efficient.

Our flame was locked in We had to be ignited out of the mine.

My friend here is the **Wolf** Safety Lamp, made in Leeds, Yorkshire, where the pits are a tradition. British Columbia's first miners were brought from Yorkshire, round the Horn, to Nanaimo. Mr Hughes is a Yorkshireman.

He Hews For You

The Wolf was the standard for many years. It has the double gauze, of course, but the important innovation is the igniter—the familiar flint and ratchet type Otherwise, in principle, he is just like me. The igniter, of course, is a big improvement. The lamp can be lit anywhere and at will in safety.

Up to now, we could always be tinkered with. When I say I can only be it outside the mine, I mean of course, with safety.

The next Wolf here is tinker-proof. It has a **key lock.** It was lit and locked with a key outside the mine. It was really safe.

It was now only left to achieve the same standard in modern ways. Most folk know the modern battery lamp, the case fitting on to the belt, the lamp, connected by a cable, fitting on the hat. High-test gas had replaced colza oil in the flame lamps, but now it is an incandescent light. The locking feature is also improved. There is a magnetic lock, which can only be operated by a special device. You see, this is complete-a product of the electrical age. Perhaps the next step will be atomic.

But this renegade in the corner we can't ignore. It is the good old **"pit lamp"**, familiar to some of us from our boyhood, in the days when payday was once a month and wives and kiddies used to wait all night outside the saloons. In spite of its crudeness, it remained until comparatively recent years, the fire-boss being the only one it was thought necessary to have a safety lamp.

It is simply a tin cup with a spout for the wick and a hook to fit on to the miner's cap

It burned foul-smelling fish oil, and you may be lucky enough to remember the grimy old lamp house, and how, if the nice man was on, you used to go and "bum" some — and snitch it if old misery was on — to go pit-lamping for dog-salmon with the gaff.

His Lamp Collection Spans A Century

Of course it is now forbidden to use a naked light in a coal mine. though carbide lamps are still seen in metal mines, where, of course, gas is not a comparable problem.

Yet you will remember being startled by the news of a fatal gas explosion in a shallow metal working in the Bridge River field. That was methane gas, which in the earth's evolution sometimes clings in the crevices of rocks just as in coal measures.

So no mine is ever certain-safe. and so inspections are rigorously made in metal mines too, and crews kept trained in mine rescue work.

In our collection also are English and German types of the electric light.

Light -- and Heat

It is safe to work with these "safe" lamps in explosive gas, but obviously no one wants to work in gas. I told you that we could also detect gas. I don't claim that we were ultra scientific. In Nature, nothing is ever utterly pure, except perhaps the Printer's Devil. I'm speaking of chemical purity, of course A trace of wicked gas is not dangerous, except as a warning to beware of more. A 5½ per cent. content of methane is explosive. I am sensitive to two per cent., the modern lamp to one half of one per cent.

You won't find him in our collection, but there is another little pal I want to pay tribute to. He is the canary bird He used to be taken where gas was suspected. Naturally, he was overcome before a man would be, and he sometimes made the sacrifice to save men. He is not used any more. He is free to sing to his heart's content.

He has been superseded by the most aristocratic and exacting of my cousins. He is our rich relation, and I'll admit he's pretty good, but don't forget we gave him his start.

Of Another Color

This is the automatic detector, and he comes chromium finished and a beauty-parlor dial He is always in the back of Mr. Hughes's car. Actually, there are two of him.

One is the M.S.A. **Methane Tester.** Its needle indicates down to one tenth of one per cent., and of course gives an automatic sight reading.

(Page Eight)

For They Are Jolly Good Fellows

POLITICS is the art of undermining but one government servant who is different is the field man in our mines. Somehow there seems to be a tradition of conscientious expertness plus dignified good fellowship among our mining officials and all whose work brings us in contact with them cherish impressions of grand fellows—government workers as they should be

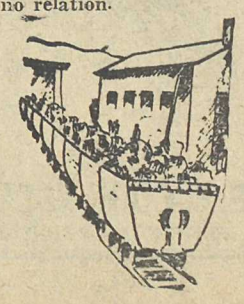
And much the same holds for our forestry field men.

A new generation is arising in mine officials—bright young men of scholastic origin. Grand men who rose from the pits, Jimmy Dixon and Jimmy Strang—and not forgetting our own lovable Jack Biggs—have earned their pasture.

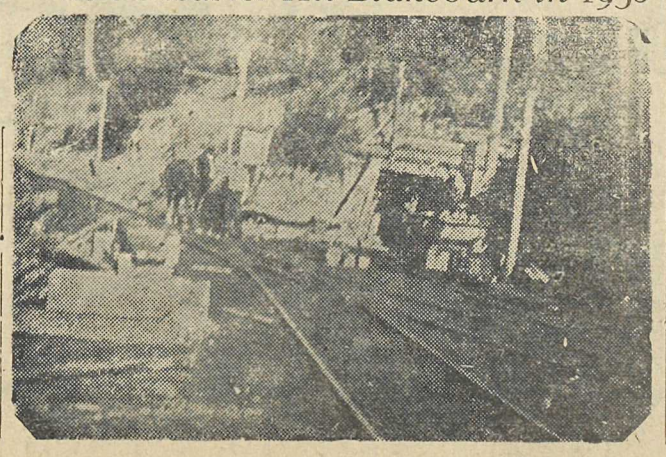
The youngsters are more streamlined. Practical hustlers, they augment basic training by actual experience. But somehow they retain the old tradition of character and craftsmanship. They have, indeed, a noble torch to bear; no complacency.

Prize of the new crop, potentially at least, is our own Ed. Hughes. who is destined to go to the top, with enough years ahead of him to scale new heights in a grand calling.

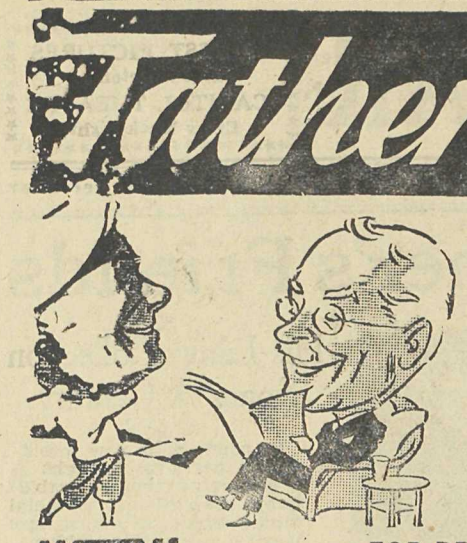
Present chief inspector is H. C. Hughes, another Island man but no relation.

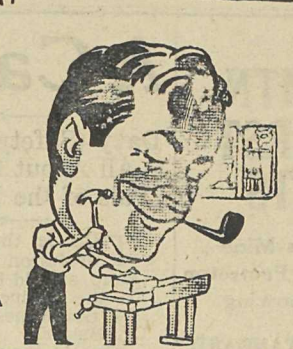


When Disaster Hit Blakeburn in 1930



Father's Day





JUNE

FOR PRACTICAL GIFTS IN TOOLS, HARDWARE SPORT GOODS ETC

TWO RIVERS Lumber And Building Supplies

BRIDGE STREET — PHONE 171 —

Being A Father Is No Racket

FATHER'S DAY is a new stunt and admittedly it was coined after Mother's Day and probably smart merchants wanted to in on that sentiment too.

Sure these merchants profit when you buy gifts. But that does not mean it has to be a racket. There is always something you can buy wisely.

That's the message of this page.

And Pop's worth it. Try and get on without him. Try to have a family; try to start your Model A . . .

"F" day is

June

Pop, Dad, Father, Paw, whatever you call your father, it's *his* day—June 18th. Choose his card from our complete selection of

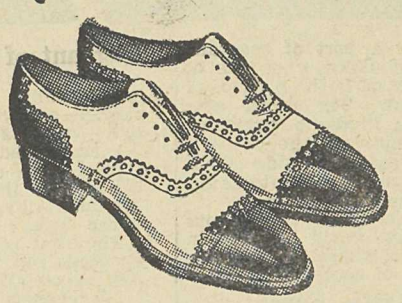
Coutts CARDS

for Father's Day.

PRINCETON DRUG & BOOK STORE

BRIDGE ST.—PHONE 15

For Father's Day



SHOES

and Anything in Mens'wear

— from —

COLLEN'S

CASH STORE

VERMILION AVENUE

Honor Dad

Smoker's Supplies
Books
Cameras
Crib Sets
Etc.

J. CORRIE

TOBACCONIST : NEWSAGENT

Princeton Hotel Block

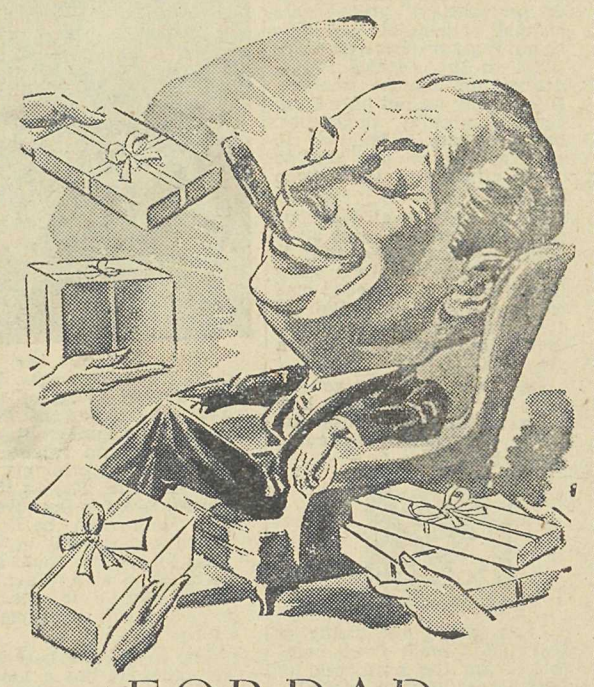
FOR FATHER'S DAY

GIVE SHIRTS

O'SULLIVAN'S

GROCERY

ALLISON TOWNSITE



FORDAD:

Smoke: Wear: Shave: Tinker

:□:

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FATHER'S DAY

FAVORITE

Give Smokes

CENTRAL MARKET

BRIDGE ST. — E. DALLOW — PHONE 75

FOR FATHER'S DAY

GIVE TIES

DALLOW'S WEST PRINCETON STORE

FATHER'S DAY

Gift Suggestions

We make no specific suggestions, because dads differ and tastes differ. But we do respectfully remind you — as our reputation will attest — that—because tastes differ—we carry an unsurpassed stock of quality gifts for everyone.

A. L. WHITE'S

Hardware, Homeware

BRIDGE STREET

PHONE 47

FOR FATHER'S DAY

GIVE HOSE

F. P. COOK ESTATE

BRIDGE ST—PHONE SIX

FATHER'S DAY

Sunday June

ELECTRICAL GOODS

and

SPORTS GEAR

PRINCETON ELECTRIC

RADIOS—WASHERS—REFRIGERATORS

MR. & MRS. G. WHITE : BRIDGE ST. : PHONE 124

GIFT SPECIALS

FOR Father's Day

Shop with complete confidence at

MUSSENDEN'S

Your New Style Centre

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Opinion ★★★

● Flood Warning

ONCE MORE the floods are with us, and once more the governments, who have been sitting and hoping and keeping their fingers crossed, are scurrying with costly, wasteful emergency measures which will go with the crisis and have to be repeated, and wasted again and again.

And upon this is the flood damage, which only makes the waste more wasteful, because it has not prevented the waste.

And all this is charged to society. It affects your taxes, and the price of butter and bananas, directly or indirectly. For government can charge its mistakes and its extravagances to us and put the screw on anyone who dares to advocate good government.

Now it is not wisdom to scold the caretaker when the house is on fire and most of us who want—and all who deserve—good government are ave ready to bear and share in emergency. But it is equally childish for the caretaker to excuse that it is not his fault that fire burns—which is in just the same logic as government's retort that they are not responsible for the weather.

Of course not, though science may yet change that too. A marine engineer is not responsible for a storm at sea, but it is up to him to select an engine that will not break down, and someone must be responsible if it does. The world goes on on that basis, and that is government's job. They are caretakers, and it is up to them to get what they need to protect society and its property that sustains it and them; and taxation rates suggest that they do. Property is obviously the first charge—before propaganda or baby benefits

☆ ★ ☆

A flood may be an act of God, but in this age flood damage is not. For the government to so argue is one with their blaming Hope Road delays on supply difficulties, forgetting than an efficient economy is government's own job.

The flood crisis is nothing new It is becoming an annual event and ordinary laymen of good sense have been pointing repeated warnings, even if government were not responsible for keeping experts for the purpose.

Here in Similkameen it has been so for three successive years, and while the river rages they are putting in street drains to handle last winter's snow.

They had to interrupt it to rush dirt to the old trouble spot at West Princeton where some day, if piecemeal politics are persisted in, the river will burst through the town.

It will make a dashed good story, but we have no great relish for setting it with our toes in the drink.

Don't forget somebody pointed it out Mr. Government, just as the present minor crisis was foreseen in print and they waited for it to happen, which is neither sound engineering nor economy nor government.

Of course we can't tack the weather on the government, although Mr Carson facetiously took the credit for our June in November Hope Road opening—where they gambled on being just plain lucky too; and though just plain lucky too; and though they can pass laws to make it five o'clock when it is really four

Nobody blames the floods on the government, but flood damage is not an act of God but a responsibilty of government for the obvious priority is to protect what sustains us.

☆ ★ ☆

It is obviously good business.

Canada's attitude to its flood potential is amazing. Year after year there are scattered disasters, often repeated. They are costly waste, a lot more costly than protection, more in the service of our country and the people who make it than the government mania for trying to give it away to foreigners.

More vital than propaganda or baby benefits, which we are able to afford, it seems.

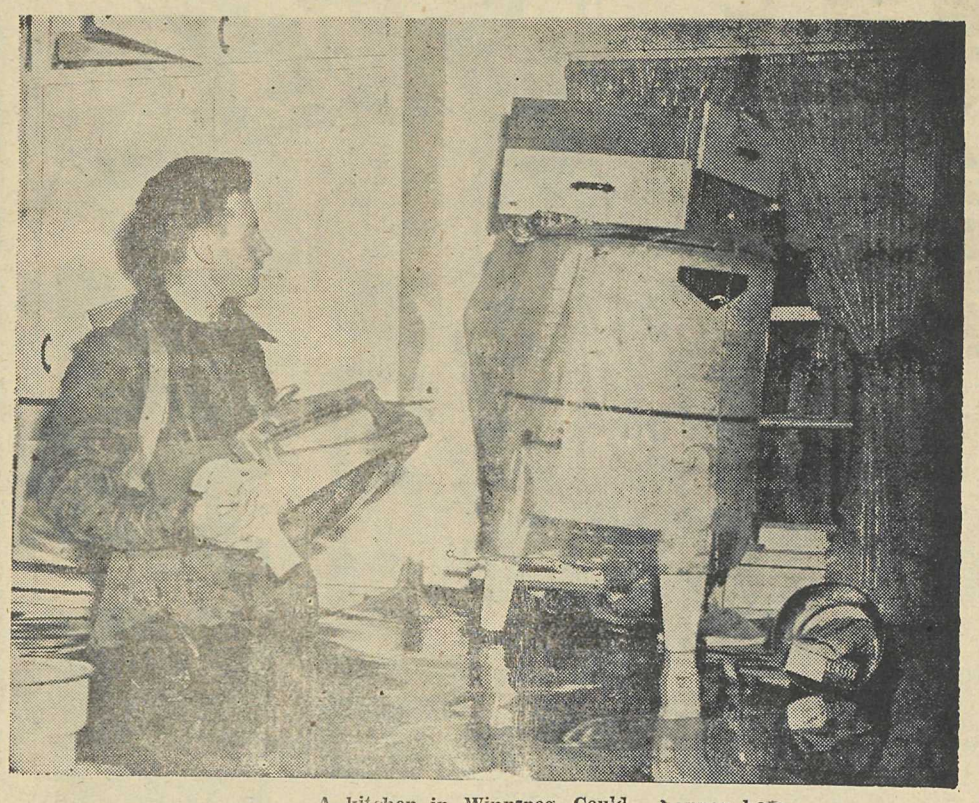
It is just as easy to foresee a flood as a fall of masonry. Just as easy to prevent one as an accident through faulty brakes. All are simply ordinary problems in natural laws and a competent man can make a river safe just as a building.

We do have experts and engineers, or are taxed for them, and we can afford basic protection We do have planes for aerial surveys, and we do spend big sums for the C.B.C. to predict what yesteday's weather will be. And it took no expert to see that this would be a dangerous year; and danger can be sensibly prepared for. It is wiser and cheaper to prevent catastrophe.

So it all goes on the price of butter we don't get because of flood waste. And with all our vaunted social services we have to pass the hat—another tax—for charity for the victims—of bad government.

(Page Eight please)

Wet Wash In Winnipeg . . .



A kitchen in Winnipeg. Could happen here.

FLOOD PEAK PASSES WITH SCARE BUT NO DAMAGE HERE

Weather Played Poker But Turned Up Friendly Trumps In The Pinches; Danger Period All Over Now

THE flood danger is over in Similkameen. Rivers are now receding and, regardless of weather, it is reasonably certain that the peak is past.

The crisis was short and sudden and carried a serious threat but what shaped as the worst became the best of three successive bad years.

The weather, which built the threat, also controlled it — virtually without local damage.

And all over British Columbia and down the Columbia system the pattern is similar. A good runoff, and a lucky one.

In Similkameen the crisis was late. It came in mid June, accompanied and aggravated by electrical storm of some intensity, with considerable rain.

The crucial spot was at the West Princeton bend. Though the threat was again purely local, the menace of this weak elbow to Princeton at large is being increasngly impressed.

One or two homes on Burton avenue were temporarly evacuated as water, chiefly seepage, puddled into roads and yards there was no torrent, no danger.

Provincial government trucks scurried about for three days, piling dirt on the weak inner bank. Though most of this is carried away year after year, it serves a temporory purpose as long as the natural banks are not too badly undercut.

WEATHER WON IT

It was quite a battle for a while, and even when the crest was over rush calls had to be sent out late Sunday night as the bank showed undermning.

At the other bad spot, on the inner shore of the Tulameen in lower Princeton there was the usual slow flooding of the low areas. Yards and street sections became lakes, residents moved about on planks and in one or two cases the water climbed the steps but politely stopped at the door.

Tug Wilson's wall, our unofficial gauge, showed that the crest was just about up to that of the past two years. On the Sunday night it just lapped over the wall.

Government patrols were maintained in the danger areas but considering the threat, we got off ridiculously cheaply in expense and there was virtually no damage.

This was due to a series of weather checks. It was a peculiar year, but it turned out well. We had a mild fall, with rains which made the river unbelievably high for the season and gave the uplands and the water courses a good flushing.

Winter came late and dragged long. We had heavy December snows, and backward weather made the accumulation at least average. There was one bitter month—January. February was mild but without the usual soft spells and the local runoff was the best in years.

TIMELY CHECKS

An unusually backward spring brought anxiety, for the higher snows were moving far behind safe schedule.

Mid May brought its usual hot weather threat, but cold weather returned. Much leeway had, however been made up and when the real heat run came—a month late—the streams were just able to handle it.

The lateness meant that the tributary creeks had mostly

(Page Eleven)

Flood loss is no more an act of God than is the law of gravity. when a brick falls from a building and kills somebody. The owner is responsible. When a government sells land and collects revenue from it, it is responsible for giving protection against exactly similar natural laws The men who take pay for that responsibility should pay for it, not by a tax levy—partly on the victims, but out of their own pockets.

Indeed that sound just principle should be applied generally. It would classify a lot of political asses and worse in their true category and let government get on with the real job of making a country the best possible place for its people to live in.

If you were a Hottentot in Timbuctoo and built an igloo and it went down the drink—without benefit of govern-

WATER FILTERED—

Quinine Treatment Beats Chlorine

PRINCETON's tap water is a lot less muggy this turgid period, maybe you've noticed. John Q. Quinn, Bachelor of Betting and chief hygrometer for Similkameen doesn't mind. In fact, he'll take the blame.

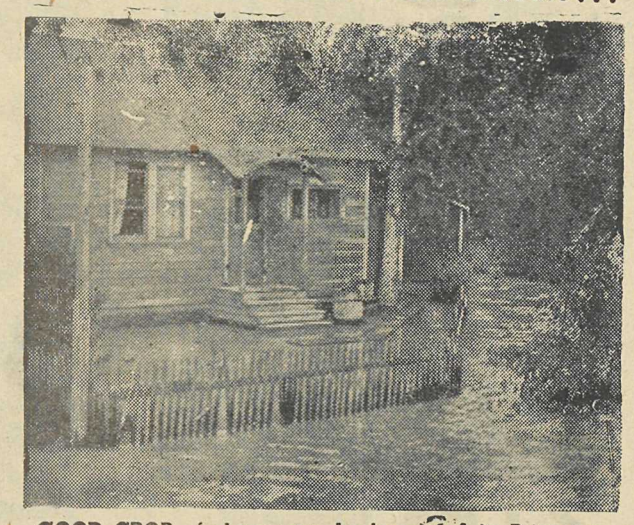
John likes the bugs in his bath to be live ones Six months ago he woke up to the fact that the capitalist plutocrats were polluting our mountain heritage (he stole the phrase) with chlorine. Jack wrote a piece about it. He said it stunk. At least his piece did. His pals of the Communist press wouldn't print it. But reactionary M'Gillicuddy did—the parts that did not burn the paper. Mr. Murray promptly sent him a bill—for chlorine.

Now Jawn adumbrates the intelligence that our Mr. Murray has fixed the filter and if youse wish to make concerte henceforth and hereinafter you will have to add sand and cement. You could also try a spot of Quin-ine with your chlorine.

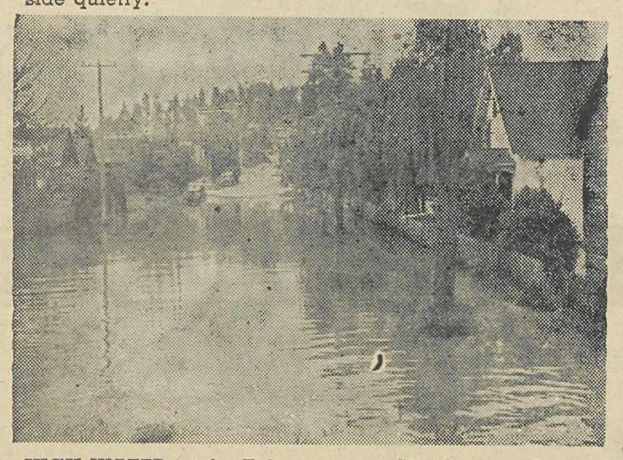
P.S. — Jawn and Mr. Murray are now good friends, John says

DON'T SPIT—
Remember The Flood

Sunny _ And Moist _ Similkameen . . .



GOOD CROP of clams may be harvested in Princeton gardens. They are inundated by overflow of Tulameen and Similkameen Rivers, which are spilling as much or more water into city than they did during last year's damaging floods. But there is no debris to form jams this year and residents are hoping the water will subside quietly.



HIGH WATER in the Tulameen and Similkameen Rivers has done this to streets of lower Princeton, which is situated at junction of the interior streams. Although water has splashed into basements, there is little likelihood of large scale damage in Princeton this year because streams, sluiced out last year, are running free.

● PRINCETON'S SOFT SPOT

HOLD THAT RIVER

The Real Menace: The Weak Elbow at West Princeton — River Could Cut Thro' Town

PRINCETON could be Winnipeged — or worse. From the routine of our annual flood theme — a passing excitement and inconvenience, and some minor property loss—looms too little considered the threat of something much more spectacular and serious.

Because central Princeton lies in a mountain basin, nowhere more than a few feet above the twin rivers that skirt it, with a danger spot at the west end of the town, and because in mountain area dramatic situations can arise with water and weather, the full force of the flooded Similkameen could break its weak elbow and come coursing through the main section of the town.

It has done it before and the threat has more than once been stronger than was realized.

For the past three years, and often in recent times, there has been a local crisis in the elbow area. Seepage shows that the high water river level is above that of some streets and property. The banks have had to be hastily re-enforced and a few houses evacuated as the swift swollen waters ground at the soft bank and sneaked over it.

But the real danger is that any sudden collapse or rush of water could send the stream over the soft bend and straight through the town—its most direct route and former course.

It Has Happened

At one time or another the river has taken various courses over the entire basin. No point in the basin below the bend is more than a few feet above the weak elbow. In 1888, say old-timers, the river did break through and took that very course—now Vermilion Avenue, Princeton's Kingsway or backbone.

Seepage in the high water season reveals useful—and sometimes surprising things. Spots well from the river are pooled over. Hardly a basement is immune. It means that no part of the basin is much above normal river level—already obvious to the observer, for it is clearly a basin, sloping with the river.

And one basement higher than another may ship more water—proof of old subterannean river channels.

The Tulameen and Similkameen rivers converge at the bottom of the Princeton basin, continuing as the Similkameen which enters the Okanogan at Oroville, Washington, and this in turn empties into the main Columbia near Walla Walla.

Thus valuable property far into Washington state is mightily concerned with the behavior of the upper Similkameen and Tulameen systems, which drain a large segment of mountain terrain.

There is always a flood season in these mountain streams, and consequently in the main rivers below their outlets. It is caused by sudden heat, or abnormally heavy winter snowfall higher up It is obviously aggravated by rain at the peak of the runoff.

Vital Botleneck

The snow melts progressively as the season advances. The local runoff, which usually comes in February, affects the rivers relatively little, with ice jambs the chief danger. Small local streams are usually rampant in advance of our main rivers, which can well handle the local runoff.

To the south the valleys are broad and while the rivers are wide, the banks have little natural protection. Northward, the terrain is increasingly high and rugged—the Cordilleran area in which glacial action gouged deep narrow gorges through the towering Selkirks—the river beds and the drainage system. The streams are swift and subject to sudden fluctuations, but the banks are usually well protected On the other hand obstructions are a much greater menace and local flooding more common.

Places like Princeton, where the valley broadens out only temporarily, and then contracts are obvious traps. And here the danger is aggravated by the weak elbow.

Geologically, Princeton basin is a natural drainage sump.

But the big danger is from the river at the weak elbow.

The Princeton basin is a natural coevergence and here the Tulameen and Similkameen join

The high land that separates them tapers down to an angular spur which vanishes in the centre of the Princeton basin—the heart of the downtown area.

The Tulameen enters at the lower corner of this broad valley and except there is well confined. It causes, and can cause, only local flooding in that area near its confluence just below the town.

The Similkameen, on the other hand, makes a wide circuit of the town on the south. At West Princeton it is pinched between Copper Mtn. and the Princeton spur, and forced in a wide bend, beyond which point the basin rapidly opens out. It obediently follows the base of the mountain, but in times of flood tremendous force pounds on this point and the river is mightily tempted to plunge straight through.

Below Princeton, where the bed is wider, the flood stream can and does cut auxiliary channels and frequently spills over onto ranch land. Ranchers are complaining bitterly about the waters being forced over their lands by American placer dredgers.

At Princeton the Similkameen valley is relatively broad. Above, it is narrow, the river closely confined by hills. The dividing spur narrows to a point and vanishes about the centre of the town.

Sooner or Later

At the West Princeton soft spot the river is pinched between the spur on the town side, and the base of the mountain, and in its present channel bends round the base of the mountain.

A high railway embankment has the effect of a dyke around the town on this side—evidence that the general level of the town is lower than at this point, but here the river, the railway and the entrance to the basin are virtually level — stem of a funnel which swiftly broadens into the main town.

Straight to this soft spot heads Burton Avenue, leading into Vermilion Avenue, which bisects the main town.

The transprovincal highway enters the basin from the spur just below this point. It is a vital bottleneck.

And for the last three years the angry river has nibbled into the end of Burton Avenue and last year's earth hastily thrown there, and provincial government trucks have scampered for more temporary fill.

Clearly the sub-surface is being gradually weakened. With patrols on hand, rush calls for trucks have had to be sent out at night because of undercutting

It is a natural weak spot, and in the normal course of erosion will have to be met with a permanent engineering work, and the longer delayed the more costly. Year by year the local threat to that built-up area increases.

BUT THE REAL DANGER IS LESS OBVIOUS. ANY SUDDEN RUSH OF WATER WOULD SEND THE RIVER PLUNGING RIGHT THROUGH.

And that is always possible in the narrow mountain canyons just above. A jamb—ice, slide or flood debris—could accumulate a huge head of water which could suddenly burst loose by its own pressure. There have been minor local examples.

Do It Now!

In the '48 crisis year volunteers pitched in, while some of the area residents, their homes menaced, took the odd attitude "It's the government's job; who is going to pay us?

And in the long run it is; the railway is far enough away not to worry first.

But even here the larger threat — low lying Princeton and the weak elbow—is not well realized. It hasn't happened — yet. But if you have lived long enough in such mountain terrain you have seen happen such freaks as a five foot snowfall and a two inch-plus rain; and snow on Dominion Day one year and 105 the next—or even two days after

It is difficult for outsiders to understand the sudden extremes of mountain terrain, with water and weather an amazing team. In the dry belt average annual precipitation is but ten inches, but much of it is in stored snow And averages in the mountains are not always even or gentle. Two of that ten can come in one deluge and over a huge steep hinterland draining swiftly into narrow troughs.

Coast engineers have more than once built an appropriate bridge over a dry creek — and seen it go sailing down a raging torrent next May.

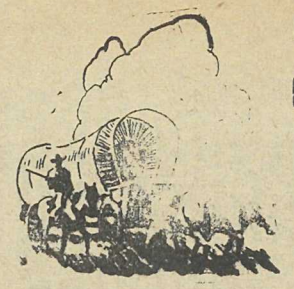
The wisdom of the hill wise is simply that he knows with water anh weather you never know—and he figures on the abnormal moment that can wreck a century of routine.

And up here some of the wise are growing a bit anxious about the West Princeton soft spot.

(In) Solution

Inventor Clarence Boulier has an interesting idea for flood prevention—dehydrate the water.

• MONSTER PARADE



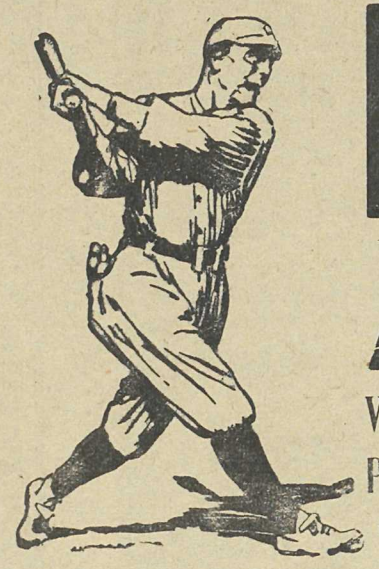
Starts CPR Station 10 a.m

Children's Races

• ALLISON FLATS -- 10:30 a.m.

AND

Pet Parade



BASEBALL

MEMORIAL PARK

10:30-1-6 O'CLOCK 3 Games

AIR RIDES

Vancouver U-Fly in Attendance All Day - Maneuvers

Passenger Rides. See the Beautiful Similkameen and Tulameen Valleys by Air.

HORSEBACK RIDING

All Day

CIRCUS

For The Kiddies! AT THE PARK

Fun Galore •

CONTESTS!

POWER SAWING

NAIL DRIVING

Horse Shoe Pitching

Greased Pole Climbing

Catch The Greased Pig

★ NIGHT ATTRACTIONS: ★

Crowning of Queen

Drawing of Tickets

Grand DANCE

STREET and HALL

GET READY - PLAN NOW!

Let's Go!

Celebrate
in Sunny
Similkameen!

PRINCETON

JULY 1ST

MEMORIAL PARK

GRAND OPENING

$2,000 Prizes

• SOAP BOX DERBY

9:00 A.M.

ME . . . And 13,999 Others

Advertising Illustrations used in The Star are truly sales-getting Attention Compellers. Over 14,000 "cuts" to choose from.

Use Star Sales Skill

Soft Spot - -

(from Page Five)

ment—you would be taken for a proper sap who deserved what you got. And undoubtedly we are and do. And don't any loyal CCF'er write in to say that Hottentots don't build igloos in Timbuctoo. We're not interested in Hottentots — except females under 16—but we are mildly interested in good government and always in a good story; but we have no relish to write it with toes in the drink.

PRINCETON BRANCH No. 56
CANADIAN LEGION
BUSINESS MEETING
QUARTERLY

ALL VETERANS WELCOME

F·I·S·H
Fresh As The Waves
Salmon,
Halibut
Sole Fillets
Oolichans
Smoked Haddock,
Kippers, etc.
Fresh Cod & Fillets

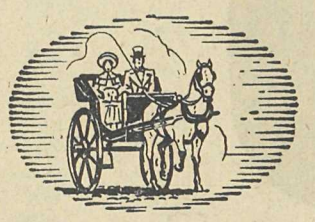
Princeton Meat Market
S. A. Wilson, Proprietor
PRInceton 21

Yesterday . . .

Today . . .

Tomorrow . . .

?



You would not buy a buggy . . . or a coal oil lamp. Your horn gramophone is up in the attic. Plastics and nylons . . .

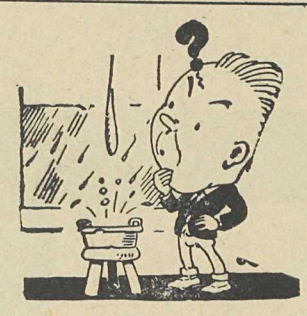
And projected is an ultra-modern pipe-line through Princeton, bringing cheap, convenient Natural Gas to your door.

Think now about gas — and when you think about gas think about the Iron Fireman-See it

The Iron Fireman Double Duty Unit
is designed for both coal and gas ... you change over in a jiffy without added expense. See it!
Here is the answer to your heater · now . then

Think Now About
GAS
RELIANCE SERVICES
Vermilion Avenue — J. E. Gott — Phone 58-K

Are you thinking about YOUR NEXT JOB?
PRINTING and BOOKBINDING
THE STAR



Announcement . . .

We are pleased to announce the addition to our staff of

MR. FRANK TAYLOR
formerly of London, England, a British trained craftsman in
PLUMBING and HEATING

We have complete coverage in Fixtures and fittings and will be happy to advise you and furnish estimates on all your requirements.

PRINCETON PLUMBING COMPANY
CARUSO & SON — BRIDGE ST.

attention

ARCHER McCRUM
PHONE 136
PRINCETON

Announces with pride that he now has the full agency in Similkameen for

WILLMAN CARS and CUMMER VANS

SAVE—IN FIRST COST - IN PERFORMANCE—
ON THIS OUTSTANDING BRITISH MACHINE
SEE THEM—RIDE IN THEM—YOU CAN'T AFFORD NOT TO

NOW We Can Supply
PEAT MOSS
For Gardens and Poultry
IN BALES :: ANY QUANTITY
:□:
GRANGERS FEED & STORAGE
OFFICE BRIDGE ST. :: PRINCETON 145

HOME BAKERY
— PRINCETON —

In the interests of you whom we serve, and our tourist visitors,
WE ARE NOW
NOW OPEN TILL 6 P.M.
Thursday included, except Sunday
— Buy Princeton-Made Bread —

FRANKLIN
VACCINES & SUPPLIES

Wherever There's Livestock There's Need for FRANKLIN

What To Do About Hemorrhagic Septicemia
Vaccinate with Franklin Pasteurella Pseudodiphtheri-cum Bacterin and get the double benefit of resistance against both Hemorrhagic Septicemia and the complicating infection that so frequently occurs, known as Pulmonary Edema.

Protein elements having no immunizing value have been removed, resulting in small bulk of high potency.

PRINCETON DRUG & BOOK STORE
BRIDGE ST., PRINCETON—PHONE 15

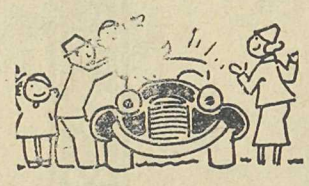
"SHOW ME!" I SAID ... AND HE DID!

FOR YOUR SUNDAY BREAKFAST

SAUSAGE – Fresh Daily
Broilers—Chicken—Fowl
QUALITY MEATS ONLY

QUALITY MEAT MARKET
PRINCETON 100— A. E. BLOOM, Prop.

★ *HERE'S YOUR CHANCE !*



used car Values

AND TRUCKS

Many Makes and Models
All Completely Overhauled

AT BARGAIN PRICES
HIGHWAY MOTORS
PHONE PRINCETON 1-0-1

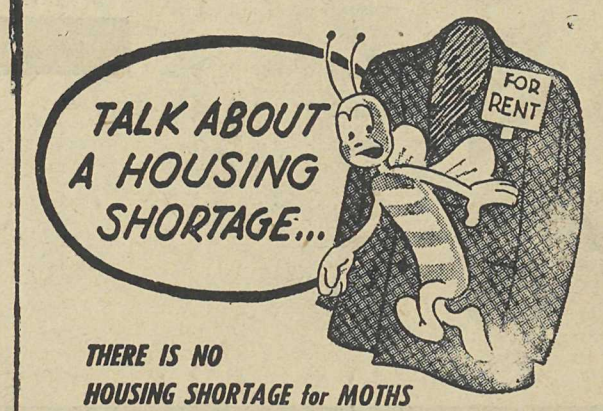
JOIN THE GAME CLUB NOW — for 1950

The Membership Dues are still only $1 and if you have the lucky ticket
You May Win $25, $10, $5
Draw will be made when all the stubs are in

Get your mebership card from any of the following — Mrs. A. Gill, Mrs. C. V. Prosser, Mrs. H. Miller, Mrs. T. O. Lessard Messrs Bert Taylor, C. Dunnnigham, Gordon Price, F. Dunningham, Bobbie Miller Ray Bombard, T. O. Lessard, Don Jenner

Help the boys help you; join up
Yours for better hunting and fishing,
Princeton &Dist Fish &Game Club

THE STAR
Can handle the Valley's every printing need



THERE IS NO HOUSING SHORTAGE for MOTHS

They may be homesteading right now in your favorite suits or dresses.

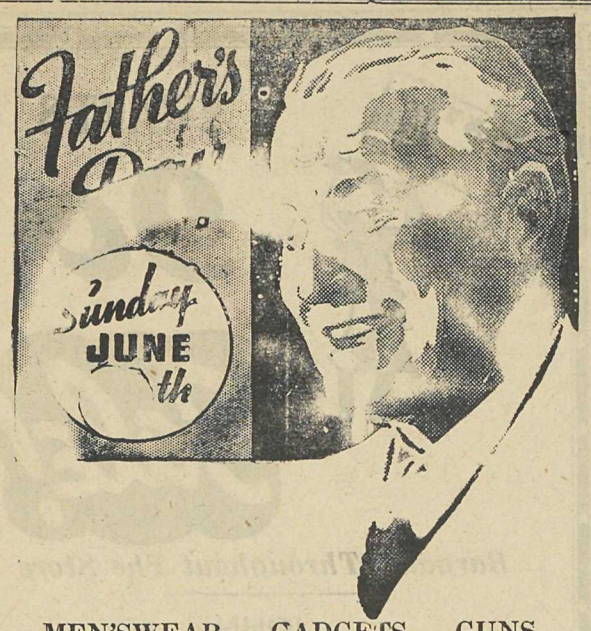
Better protect your clothing with U-San-O, the Insured Mothproof Cleaning System.

U-San-O is part of our regular cleaning service. Call us today and forget your moth troubles.

ROBERTSON'S CLEANERS
PHONE 123 PRINCETON

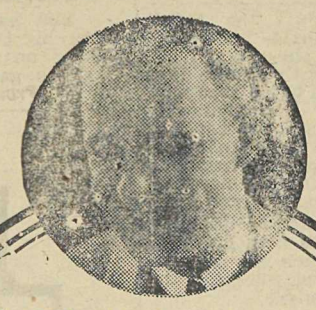
FIRST FATHER was Adam. He let the rest of you in for it and he didn't care Adam.

POPS IN POPS was Methuselah. He lived to 969 and begat Lamech at 169. Bob Schulli please note.



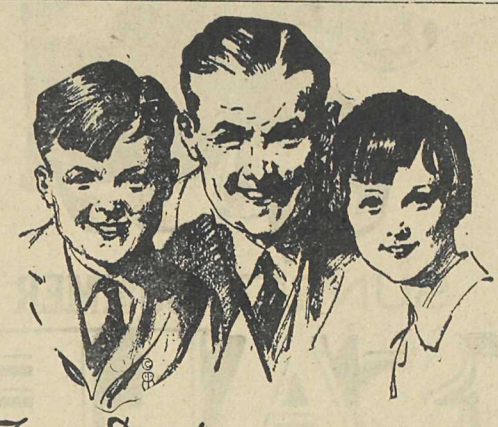
MEN'SWEAR — GADGETS — GUNS
SPORTING GOODS, etc.

COSMOPOLITAN RED & WHITE
NEAR THE DEPOT—PRINCETON 85



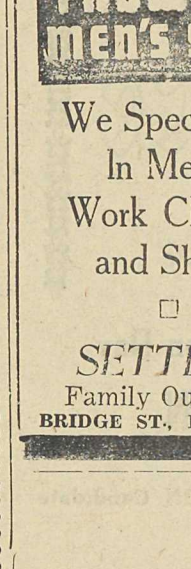
MEN'SWEAR
Latest Styles, Finest Quality, in Men's Work and Dress Clothes, Shoes and Accessories
— CHOICE GIFT LINES —
• Spafford's
Bridge Street, Princeton.

Give Something for the Garden
And A Flower for Father Too
PRINCETON NURSERIES



For Dad . . .
A modern Hardware Stock, Streamlined, Departmentalized — Tools, Fixtures, Building Material, Home Furnishings, Sport Goods, Garden Supplies
JOHN EWART HARDWARE LIMITED
BRIDGE ST., PRINCETON—PHONE 80

Gifts FATHER *Will Like*
Our Shelves Are Brimming with Ideas
THE VARIETY STORE
J. D. SAUNDERS - BRIDGE STREET



We Specialize In Men's Work Clothes and Shoes
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SETTER'S
Family Outfitters
BRIDGE ST., PRINCETON

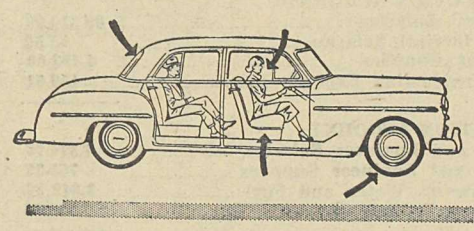
Immediate Delivery
On Chrysler, Plymouth Cars and Fargo Trucks
See Us Before You Buy
•
RIVERSIDE MOTORS
Bridge Street, Princeton Telephone 99

Sure Your
Dad would go for a yacht; maybe even for a battleship. But supposin' the sentiment was right we think he would settle for a rod or reel, or even a fly or two. We are experts on fishing hereabouts. We know what Dad wants and the fish want

POOL HALL SPORT SHOP
T. O. LESSARD—Bridge tSreet - PRINCETON

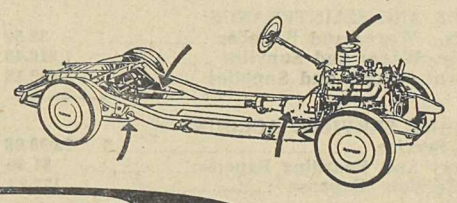
SIX OR SIXTY . . .
They All Scream for Ice Cream
•
REX CONFEX
SODA FOUNTAIN : : CONFECTIONERY
MULLIN & PESUT—VERMILION AVE.

PLYMOUTH says *LET'S ADD UP* VALUE!



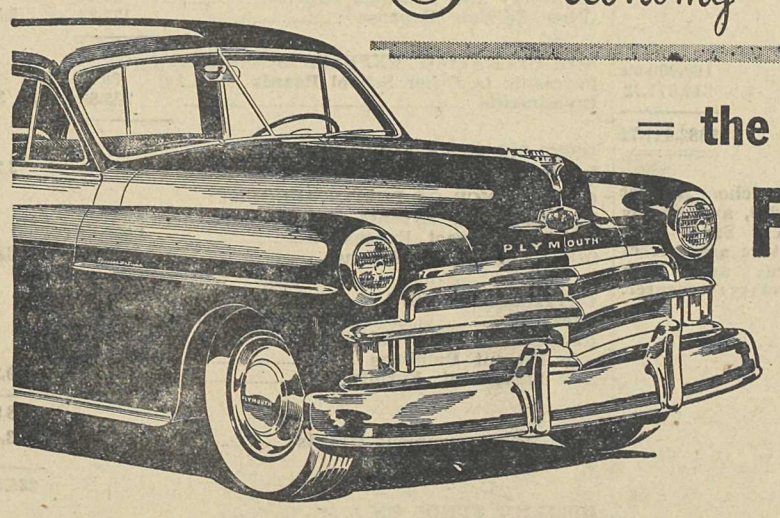
beauty comfort convenience +

Plymouth gives you practical styling that combines beauty and utility! There's roomy comfort for 6 adults . . . ample head and shoulder room . . . a fixed rear seat foot rest that provides plenty of leg room, regardless of front seat position. Add Plymouth "chair-high" seats for knee-supporting comfort . . . seats that let you sit upright . . . and a host of convenience features such as automatic choke, ignition-key starting and tall, full-opening doors for easy entrance . . . then . . .

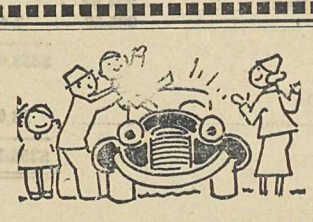


safety performance economy

take features like Safety-Rim Wheels that give *extra* protection in case of tire failure . . . brakes that have earned an enviable reputation for safety. Add the reliable performance of Plymouth's Chrysler-Engineered, high-compression engine . . . steering that doesn't make you "work" at driving. With features like these and many many more Plymouth is packed with value . . . and ready to prove it!



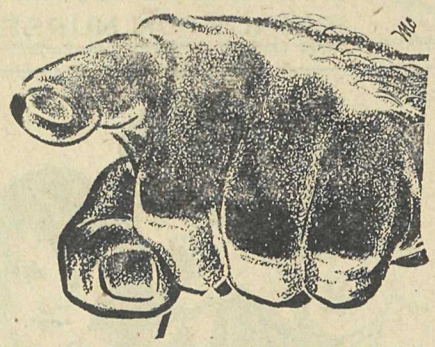
= the value-packed 1950
PLYMOUTH
See it! Drive it!
LET THE RIDE DECIDE!



Give Something for
THE CAR
. . . . And You Wtll All Benefit
RIVERSIDE MOTORS
CHRYSLER, PLYMOUTH, FARGO Sales & Service
GIBSON BROTHERS—BRIDGE ST.—PHONE 99

A CAKE FOR POP
★
: ICE CREAM :
: CONFECTIONERY :
★
COMMODORE TEAROOM
BRIDGE ST.——PHONE 9

RIVERSIDE MOTORS, BRIDGE STREET, PRINCETON - PHONE 99



SUNSET SUMMER
SALE
Bargains Throughout The Store
TWO RIVERS
LUMBER & BUILDERS SUPPLIES
BRIDGE at HAROLD, PRINCETON

Mine Safety--

(from Page Five)

The other is the M.S.A. **Carbon Monoxide Detector.** It works, to the eye at least, quite differently. There is a tube of sensitive substance which, after the fashion of litmus, changes its color in the presence of CO (as many a flustered private has been known to do). It is normally white Monoxide gives it an increasingly green tint.

By comparison with a color chart, on which the percentages are tabled, you gauge the monoxide content.

We are the army of prevention, but tragedies still happen despite our eternal vigilance. It is then that the mine rescue contingent has to come in. We'd rather not talk about it. You have no doubt seen them demonstrate We hope that's all you ever see.

Of course they have to know a lot, but it would mean nothing without their "gas mask"—like a diver without his oxygen helmet.

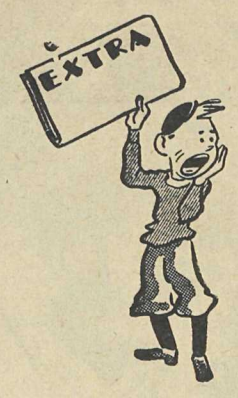
It works on quite a different principle, though; is is really a very fine gas mask.

Favorite Air

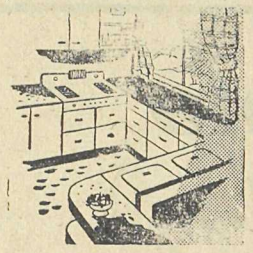
You have probably seen the big box-like device they strap on their backs. Well, like a gas mask, it simply

(From Page Ten)

THE STAR



EWART'S
9c
Sale!
Bargains Throughout The Store
JOHN
EWART
HARDWARE, LIMITED
Marshall-Wells Store, Bridge St., Princeton



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PLUMBING AND HEATING
WITHOUT CASH
ON AN APPROVED
FINANCE PLAN

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We are pleased to announce a new arrangement whereby
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FOR HOME IMPROVEMENT
can be installed by us—fixtures, material and labor—on an attractive finance plan.
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For Princeton's Dominion Day
CARNIVAL QUEEN
—CANADIAN LEGION Candidate

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We We Have Added A Nice Variety of Fine Quality
GROCERIES
• *We Solicit A Trial* •
★
THE HOME BAKERY
: BRIDGE STREET, PRINCETON :

SCHOOL DISTRICT No. 17 (PRINCETON)

PRINCETON, B.C.

BALANCE SHEET

As at December 31st, 1949

ASSETS

CASH IN BANK		$ 25,591.64
ACCOUNTS RECEIVABLE:		
Government Grants:		
Building (New Construction)	$ 49,504.91	
Night School	42.50	
Sites	4,250.00	
Furniture and Equipment	386.00	
Transportation	1,521.00	
	$ 55,704.41	
Rentals	372.50	
Text Books	42.15	56,119.06
Value of School Lands—estimated	$ 25,101.85	
Value of School Buildings—estimated	250,280.92	
Value of Furniture & Fixtures—estimated	17,034.25	
Value of District-owned Vehicles	6,000.00	298,417.02
OTHER ASSETS:		
Victory Bonds		2,300.00
		$382,427.72

LIABILITIES

Sinking Fund	$ 2,750.00
Debentures	160,000.00
Surplus	219,677.72
	$382,427.72

I have completed the audit for the School District for the year ended December 31, 1949, and hereby certify that the attached Balance Sheet and Summary of Revenue and Expenditure are correct as shown by the books and records and from information furnished by the Secretary-Treasurer.

(Signed) A. E. CRICKMAY,
Auditor.

SCHOOL DISTRICT No. 17 (PRINCETON)

SUMMARY OF EXPENDITURE ACCOUNTS

For the Year Ending December 31st, 1949

ADMINISTRATION ACCOUNT:			
Salary, Secretary		$ 2,100.92	
Office Expense		483.82	
Trustees' Expense		212.78	
General Administration		1,174.73	$ 3,972.25
INSTRUCTION ACCOUNT:			
Teachers' Salaries		$ 69,310.99	
School Clerical Salaries		55.53	
Teaching Supplies		4,493.00	
Other Instruction Expense		456.51	74,516.03
OPERATION ACCOUNT:			
Janitor and Engineer Salaries		4,374.70	
Janitor and Engineer Supplies		765.37	
Light, Power, Water and Fuel		3,842.60	
Insurance, Rentals etc.		7,520.35	16,503.02
REPAIRS AND MAINTENANCE:			
Grounds, Wages and Supplies		32.50	
Buildings, Wages and Supplies		1,816.46	
Equipment, Wages and Supplies		402.18	2,251.14
AUXILIARY SERVICES ACCOUNT			
Health Service		$ 2,090.08	
Dormitory and Boarding Expense		81.00	
Other Services Expense		177.23	2,348.31
NON-OPERATING EXPENSE ACCOUNT:			
Payments to Other School Boards		60.53	
Investments		225.85	316.38
DEBT SERVICES ACCOUNT:			
Interest			3,200.00
CONVEYANCE OF PUPILS ACCOUNT:			
Bus Operating Expense		$ 2,126.15	
Outside Contract Expense		4,266.60	
Other Conveyance Expense		90.50	6,483.25
CAPITAL ACCOUNT			
Sites		$ 9,701.85	
Reconstruction and Additions to Present Buildings		178,079.02	
New Equipment, Furniture		1,074.25	189,337.02
			$298,927.40
Less: All Government Grants			73,402.48
			225,524.92
DISTRICT FUNDS ON DECEMBER 31, 1949			25,591.64
			$251,116.56

SCHOOL DISTRICT No. 17 (PRINCETON)

SUMMARY OF RECEIPTS

For the Year Ending December 31st, 1949

Rural Taxes			$ 70,530.00
Tuition and Night School Fees			1,132.35
Rentals			1,794.35
			$ 73,456.70
GOVERNMENT GRANTS:			
Basic	$ 44,836.64		
Building	24,543.30		
Equipment	383.71		
Conveyance of Pupils	3,474.58		
Boarding	140.50		
Night School	123.75		
DEDUCT FROM EXPENDITURES	$ 73,402.48		
Proceeds Sale of Debentures			162,186.03
Sale of Assets		899.55	
Sale of Books		422.89	
Interest—Victory Bonds and Bank		274.93	
Miscellaneous and Refunds		825.57	2,422.94
			$238,065.67
ADD: DISTRICT FUNDS ON HAND, DECEMBER 31, 1948			13,050.89
			$251,116.56