

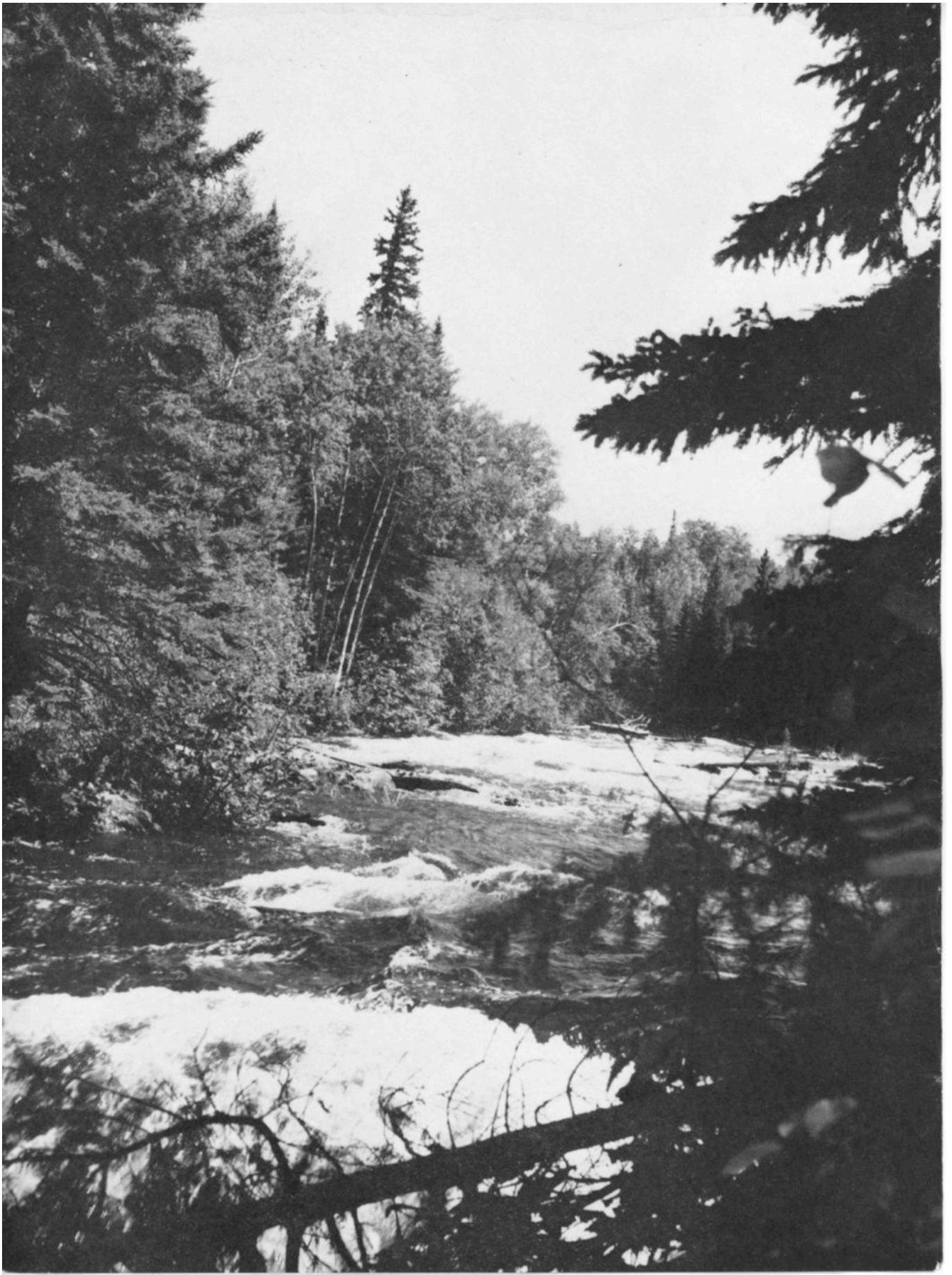
# Northern Lights

AUTUMN, 1966

VOL. 26

NO. 3





Vol. 26, No. 3  
Autumn, 1966  
Harry Miles  
Editor

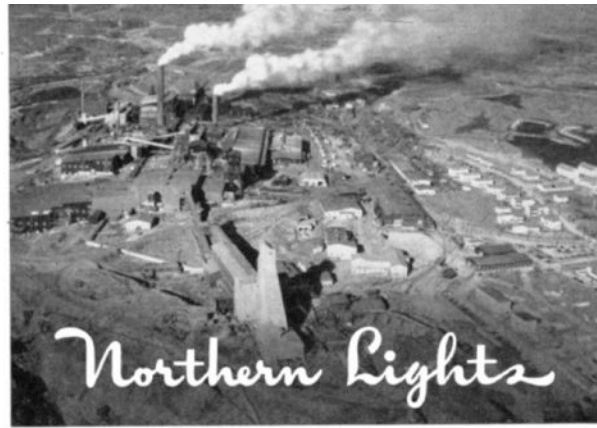
## Editorial

### School Drop-Outs

ONE of the tragic things about the school drop-out situation is that thousands of the young people across Canada who each year turn off the sometimes bumpy road to higher education could, if they tried, quite capably finish high school and move on to university. What such students apparently fail to grasp in time is that the road which looks smoothest in the majority of cases leads to a future, limited in scope by a limited education.

The sad fact is, that a great number of these drop-outs occur just when such students are within reaching distance of the doorway through which a full, rich life of achievement beckons. The drop-outs are, in effect, leaving the door closed on a wide range of opportunities, in a period when highly educated manpower is a great need; ignoring their capability output for what seems like a quick way to earnings and independence.

What happens of course, is that while the quick way does bring a measure of independence, it is



usually at a level of reward and accomplishment far below that which could be achieved with more education.

This isn't to say that everyone has to have a university degree to be a useful member of society. Higher education is a closed avenue for many. Nor should the false impression be created that anything less than a university degree is a social failure, for this would be an injustice to the vast number of people who have acquired skills otherwise, and who have become highly useful and highly rated in their chosen fields.

In a society where technology is making unskilled labor redundant, and in which many young people must feel there is no road open to them if they cannot produce a diploma from a university, there is indeed every reason, and a very great urgency, to see that all those leaving school early, for whatever reason, are encouraged and helped to equip themselves with suitable skills.

As procrastination can be the thief of time, so underachievement can rob capable young students of the rewards of achievement. Underachieving students are those who can do better but will not, in spite of being warned, encouraged, punished, counselled and tutored. Some are rebels who pay lip-service to parental urgings by going through the motions of class and study, but whose minds are idling. Still others look upon education as an affliction they are compelled to endure, instead of showing a lively interest and curiosity about it.

The salvaging of such waste of human resource needs not only the encouragement of the adult, but the responsive co-operation of the student as well. The ones who can do most about the drop-out problem, if they will, are the students concerned, by setting for themselves a high goal of achievement and taking advantage of the educational facilities available to reach it.

Extra-curricular attractions and distractions can effect a powerful pull on the wavering student, creating the need for a decision on whether to push on toward

(Continued on page 10)

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age in cash.*



*Mr. and Mrs. Russ Eagle at their son Dalton's graduation from the College of Optometry.*



*Marilyn Graham, relief typist.*



## MINE

BOB ASH

WHEN it comes to students working here for summer employment we really have them this year. Naming a few, there are Tom Iannone, back for his third season from the University of North Dakota; Bruce Jorgenson, for his 4th summer with the Company from Ryerson Institute; George Komanac for the 3rd time; Sandy McIntosh after a year at Snow Lake, and then a year at Hailebury, working in the Equipment Dept.; Bruce Wilson; Dave Yeo; Phil McLellan, one of the better known piano players; Jim McIntosh, a son of Howard; John Kinsley; Wes Bevans; Nick Sikich; Eli Potkonjak, son of our well known George; John Richer; Neil Menzies; Stan Willis, taking off a few pounds; Roddy Austin; Doug Thurstan; Eugene Arsenault; Neil Frederickson; Ed Krawchuk; Ken Mensch; Garry Webb; Barry Coutts; Dave McAree; Robert Howell; Leroy Mitchner; Ronald Plante; Barry Reagan of curling fame; Clayton Wickens; Robert Ford; Dave Hanna; Jim Pico; John Paskiw; Dave Hyndman; Rick Stevenson of the musical Stevensons; William Styba; Roger Cross; Dave Rainville and George Paylor. As we reread the above names we can easily reminisce back to when most of these young fellows were playing hockey in Pinkie Davie's Pee Wee League, delivering papers or learning to swim at Phantom Lake — time sure marches on.

Our system of breaking ore and pulling muck is now somewhat different from what it used to be in the olden days. Years ago we had dozens of active stopes and about 50 drawpoints from where the mucking crew could pull their ore, but right now the major part of the muck comes from a half dozen drawpoints. Vertical pillars which are giving us right now about 75% of our muck are drilled off in sequence with backfill operation. The planning, drilling, blasting and mucking out of one of these pillars quite often extends to a period of well over a year.

On June 11th we had what was one of our largest underground blasts, 1200 cases or 30

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*Flying Officer Danny Trojanowich, son of the Mine Department's Alex Trojanowich and a former member of No. 302 Flin Flon Air Cadet Squadron.*

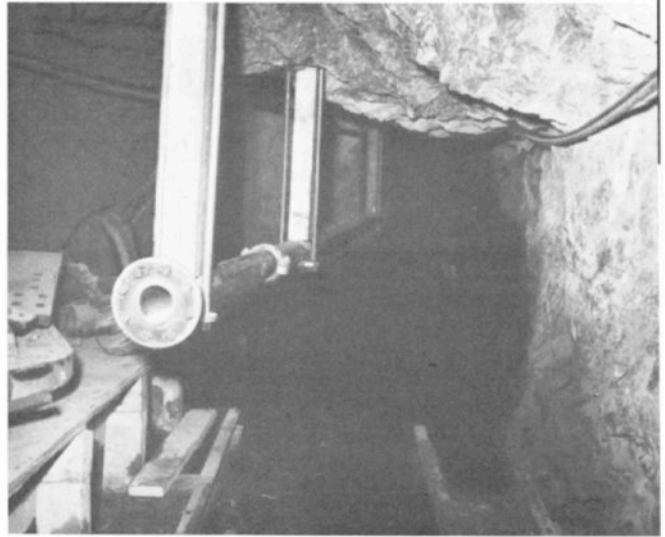
tons of powder went off in what on surface sounded like one shot, but was actually using delayed action caps blasted off at 30 different millisecond intervals. This shot blasted off approx. 270,000 tons of ore in our 81/82 vertical pillar.

Drilling started here on Jan. 23rd and continued on till May 25th. Deep hole drilling 2" holes amounted to 58,491 feet (part of this footage included the necessary undercut drilling) and Blast Hole diamond drilling which was done in the sublevels of the pillar where the deep hole drills were not practical due to restriction of the size of the drift, footage amounted to 27,202. The washing out, loading and hooking up took up a period of almost 2 weeks or a total of 250 man shifts.

On July 29th a smaller, but similar blast of roughly 125,000 tons was blasted off in Q28 Vertical Pillar. At least 2 more such pillars will be drilled and blasted off this year, so it looks as though our Deep Hole and Blast Hole diamond drillers will be kept busy for the balance of 1966.

We are sorry to have to say that two old-timers around our mine, Keith Sproxton and Hope Forster passed away. Ned Avary, one of our engineers left us for the States and Earl Farncombe has gone West. Receiving 25-year service watches on July 8th were Jack Delgatty, R. F. Bray, Ernie Lundgren and Lawrence Frame.

The Mine Sports Association, after several years of almost dropping out of sight through inactivity, have once again become rejuvenated with Harvey Wolowski, as President; Al Maloney, secretary-treasurer; Willis Ayres, past president; and executive of Bill O'Neil, Bert Graves, Bill Folwark, Bob Ash and Cliff Clark. They operated a food booth at the Bakers Narrows day of the Trout Festival and made a couple of hundred — helped operate the Fish Frys, for which they got a percentage, and are having a Mine picnic. They intend to sponsor a good yearly retirement party, put some life into the Mine Bonspiel, have the odd Smoker and Dance. The general idea is to again put the Mine Personnel in a more active social position off the job — so if you have any ideas, let's have them.



*Horizontal fill pipe on 3,250 level.*



*South Main Shaft cagetender Charlie Colville with Roy Lofstrom, electrician, in background.*

## RESEARCH

SETH MATTHEWS

**S**UMMERTIME! This is the season when Flin Flonners really get around, and make the most of our short period of warm, sunny days. Monday morning reports on fishing, golf scores, and miles travelled are aired by all and sundry. So far, though, no records have been broken.

Flin Flon's first Summer Bonspiel was run off as part of the Trout Festival, and Jack Betteridge won the Second Event. On the rink as well were Jack's wife, Kay, Elsie Slade and Doug Plant.

It is quite remarkable how Flin Flon seems to draw people from many parts of the world. The following will help to illustrate this:

A few days ago a voice behind me said "I met lots of your 'Pommie' pals while I was away," and here was Doug Ross back from New Zealand. Doug was wearing a pair of pants made in Fiji within about two hours from the time his measurements were taken! He regaled us with tales of life in N.Z. The time-honored rite of the "five o'clock swill" when the "pubs" are filled with thirsty N.Z.-ers trying to beat the six o'clock closing amused everyone. Down under, they refer to their oiled roads as the "seal." Doug, while driving one day, was given directions to turn at the corner when he got to the seal. He said, "I never did find where they kept that seal!"

Another from distant places is Jake Eisenwasser who comes originally from Israel, where he was born in a "kibbutz". Jake now lives with his family in Montreal and is attending

McGill. An expatriate from Rhodesia, Rod Whyte, is working in the Lab for the summer months. Rod is studying at Leeds University in England.

Also working with us during vacation were Frank Barker, George Hay, Jean Besette, and Flin Flon's well known songster Jimmy Stewart. We were treated to a few trills and whistles in Jim's lighter moments.

If the foregoing names look familiar it is because many of them are "second generations" showing up and, in one case, the third. (Tempus Fugit!)

The following is a report very kindly written up by Charley Munroe, which gives us another look at the work carried on in this department:

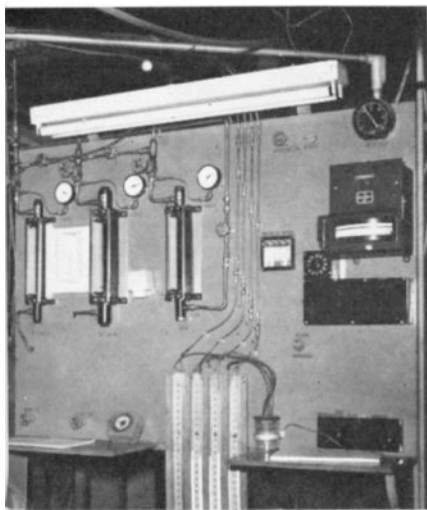
### Fluidized Roasting

Fluidization as we know it today is the development of the past 20 years. The term fluidization was invented to describe a certain mode of contacting granular solids with fluids. In the past 15 years a new nomenclature has had to be devised to describe the various actions that take place. Aerated sand in a contained vessel has a similar behaviour to that of liquid such as waves and ripples. Even a small wooden boat in aerated sand behaves in a similar manner to that on an aerated water surface.

This exemplifies the manner in which granular solids are roasted in a fluid state. The main reason for using a fluosolids roaster in the mining industry is that a better solids-to-gas contact is maintained, also the throughput is considerably greater than for the same size orthodox roaster.

(Continued on page 31)

*Fluo-Solid Roaster Project Control Panel.*



*Fluo-Solid Roaster (lower portion) Feeder.*



*Fluo-Solid Roaster (upper portion) and Baghouse.*





Safety Superintendent Nick Iannone presenting St. John Ambulance award.



Snow Lake Mine Superintendent Bob Sadler presents a gift to shaft-builder Ivor Heggmark on his retirement.



... showing Ivor what really is inside a headframe.



Harry Letkeman, newest member of the Wise Owl Club.

## SNOW LAKE

RUSS YOUNG

**S**NOW LAKE is quite a bustling town at the present time. There is a great deal of building going on, what with North American building another 25 houses for the Company and the new addition to the school.

One of the original buildings of the town, the old section of the school, was moved out of the schoolyard to make way for another addition to the school. The building was bought and moved by Jim Bates and John Perry and will be renovated into an apartment building. This is something that is sorely needed in this town. We have a lot of young people that are not in a position to buy a house and would gladly rent until they are.

The Hudson Bay Co. are also going ahead with their planned expansion of the present store.

At Osborne Lake the sinking of No. 2 shaft has passed the 2100 foot level and will be finished by the time this issue comes out.

The new dormitory has been completed as well as a new Heating Plant.

Sam Horkoff and Wilf Lipton received their 25 year watches in July. This brings to 15 the number of 25-year men working in Snow Lake.

Laurie Marsh was the recipient of an award from St. John Ambulance which was presented to him by Nick Iannone, Safety Superintendent.

Congratulations to Andy Marsollier and Joan Doak who walked the primrose path on May 14th, also Jim Overland and Paulette Koch who were married in Regina on July 3rd. Sincerely hope you people have many years of wedded bliss. Incidentally, we would appreciate pictures of these happy occasions.

In our Maternity Section congratulations to

the following: Mr. and Mrs. Duffy Hogue on the birth of a boy May 5th; Mr. and Mrs. Bob Hanson, a girl on May 17th; Mr. and Mrs. Gud Guspodorchuk, a girl on May 28th; Mr. and Mrs. Al Saskowsky, a girl May 29th; Mr. and Mrs. Mike Neilson, a boy June 4th; Mr. and Mrs. Bill Jennings, a boy June 4th; Mr. and Mrs. Al Lindgren, a boy June 5th; Mr. and Mrs. Bob Cooper, a girl July 12th; Mr. and Mrs. Cec Andrechuk, a girl July 20th; and Mrs. Ray Korchinski, a girl also July 20th; and last but not least, Mr. and Mrs. Ray Haugen, a girl, born June 4th in the Flin Flon General Hospital.

Thought we would have a little to report on our Annual Sports Day but the weather has been very uncooperative the past three weeks. Let's hope we have it run off before the next deadline.

"Do you have any exciting new perfumes?" the young lady asked at the cosmetic counter. "We certainly do," the saleslady replied. "Here's one that drives the boys crazy. It smells like a new car."

### PICTURE CREDITS

Front cover aerial view of Snow Lake in color, and inside back cover of Stall Lake (black and white off aerial color shot) by W. McFadden. Inside front cover, Wekusko Falls in Snow Lake area, and composite layout of Flin Flon Warriors Hockey Club, page 39, by Cyril Steventon. Pictures of graduate apprentices and instructors, pages 30 and 31, by Curly Grandison.



Left to right, Cliff and Mrs. Lamont, George and Mrs. Vulelich, and Wilf and Mrs. Burrows at the Mill retirement party.



Cliff Lamont receiving his retirement presentation from mill superintendent Wilf Burrows.



Mill superintendent Jim Goodman, right, makes presentation to retiring superintendent Burrows.



## MILL

KEN MARK

**T**HE Mill Recreation Club held a very successful retirement party for three long-time employees on June 23rd. The retirees, George Vulelich, Cliff Lamont and Wilf Burrows represented 107 years of service to our Company. We wish all three of you success and happiness in your leisure, gentlemen.

With the retirement of Superintendent Burrows, announcements were made on replacement. Moving up to fill the vacancy as superintendent was Jim Goodman who had been assistant superintendent, with Roy Coulter becoming our new assistant superintendent.

Mr. Goodman was born in Winnipeg where he took his early education. He attended the university of British Columbia where he graduated in 1944 with a degree in metallurgical engineering. From 1944 until March 1953 he was employed in the HBM & S Engineering Department.

He accepted a position with Tennessee Copper as Mill Superintendent until May 1959 when he returned to Flin Flon as Research Engineer with HBM & S and was appointed assistant superintendent in the Mill in September 1964.

Mr. Coulter also was born in Winnipeg and his early education was taken in that city. He attended the University of B.C. and graduated in 1948 with a degree in metallurgical engineering. He joined the HBM&S on a permanent basis on June 1st, 1948 as a lab technician and in March 1955 was promoted to Research Engineer. June 1st, 1961 he was appointed as Mill Metallurgist, the position he held up until his recent appointment.

Congratulations to you gentlemen and we wish you every success in your new positions.

Six Mill employees received their 25-year service watches at the watch party in July. They were C. Kemp, G. Bracken, L. Gibney, C. Larson, V. White and V. Sharpe.

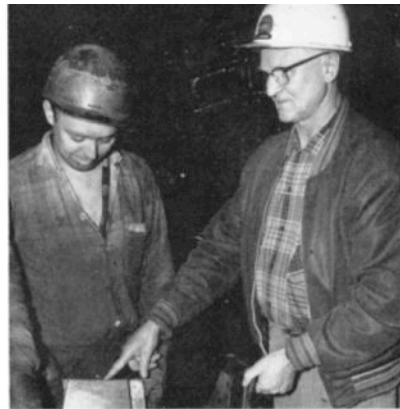
We thought for a while we were going to have to enlarge our Mill Recreation Club sick board, but it seems to be improving. At the time of writing we had Don McEachern, Al Schuman, Ted Chester, G. Rapson and Larry

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Retirement  
present for  
George  
Vulelich.



Repairman Ivan Boyce is shown here, inside a ball mill, checking on the installation of new method rubber lining for the ball mill.



New (rubber) lining section and old (steel) lining section are shown here. Mill employee Eddie Andrusiak is at left and Wilf Burrows, right.

Makwaychuk on our sick list. Hope you are back with us soon fellas.

We are pleased to have Axel Myrvold and Cal Nichol back in harness again, after their bout with illness.

In our birth announcements we can report a son born to Mr. and Mrs. Harold Berg on July 12. Congratulations folks.

George Brice became a grandpa once again with the birth of a bouncing baby boy born to Barry and Dorothy Brice, a brother for Lori Lee.

The Trout Festival held their first summer bonspiel this year and our department had two winning skips, Don Roberts and Ray Quinn. Congratulations to you and your rinks.

Here's hoping you have all enjoyed a summer of fun.

#### Keeping Pace With New Developments

One of the most recent innovations in the mining industry has been the development of special rubber for lining equipment which undergoes continual abrasion. For example, screens, ore chutes and ball mill liners are subjected to very high wear rates during their

operation and consequently have relatively short life.

As part of its program of keeping abreast with the latest developments in equipment, the milling department is presently testing rubber screen cloth in place of wire woven screen; and rubber lining of grinding mills instead of conventional alloyed steel liners.

The accompanying photograph illustrates the new type of rubber liners and lifter bars being installed in a ball mill by repairman Ivan Boyce. These rubber liners and bars are easily lifted and fitted into place as their weight is roughly one-tenth that of the conventional steel. The rubber compound, which is of Canadian origin and specially cured in Sweden, is said to outlast the alloyed steel and greatly reduces the noise level from a ball mill while grinding.

A woman was bemoaning the fact that her husband had left her for the sixth time.

"Never mind," consoled her neighbor, "he'll be back."

"No, he won't," sobbed the wife, "This time he's taken his golf clubs."

Wilf Burrows didn't think much of his "grandfather's" time piece presented at the Staff retirement party.



A good laugh.

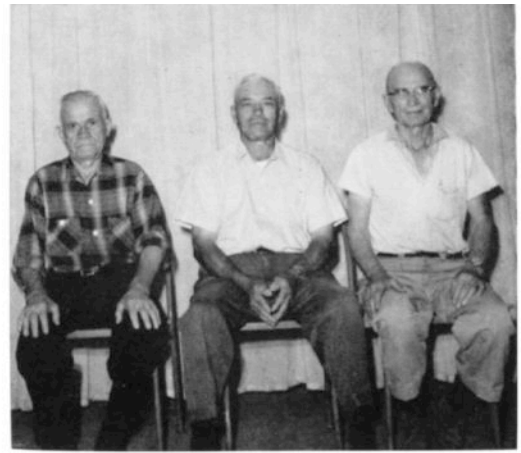


The real thing, presented by Assistant General Manager H. A. McKenzie, General Manager W. A. Morrice, centre, extended best wishes for future.





*SUPERVISORY STAFF—Left to right, back row, Eric McCormick, director Pinkie Davie, Frank Fieber. Front row—Marilyn Skoda, Naomi Hart, Christine Robertson, Sandy McIntyre and Gwen Michalkow.*



*Three of the Community Club maintenance staff, left to right, Andy Nielsen, Milt Jordan and Max Gasena.*



*At Phantom Lake: Eight and nine-year-old advance beginners ready for their afternoon water safety and swimming lesson, with Marilyn Skoda instructing.*



*The Senior Boys' class, 8 to 11, about to hit the water from the boat dock on signal from instructor Naomi Hart.*

*Instructor Gwen Michalkow talking water safety to the youngsters at Channing.*



## Flin Flon Community Club Summer Activity

EARLE McDONALD

**H**UNDREDS of children flock to playgrounds in Flin Flon, Channing and Creighton on summer mornings, and to the Hudson Bay Mining and Smelting Company Phantom Lake Beach development afternoons, for a wide range of healthful activity usually associated with the good old summertime.

Community Club manager Pinkie Davie directs the program, assisted by a staff of supervisors, who are out on the various playgrounds in the mornings, then switch to Phantom Lake Beach afternoons. Boys and girls teams play softball, hardball and soccer on the playgrounds, and get water safety training, swimming instruction, and BX exercises and games at Phantom Lake. Swimming and water safety are taught as well at Channing.

A series of pictures on these pages show the personnel which conducts the summer program and some of the activities which take place.

*When inclement weather cancels outside activity, the youngsters gather in the main auditorium of Community Hall for games and arts and crafts instruction.*





*Shown above is instructor Christine Robertson's intermediate girls' class listening to a talk on water safety.*



*B-X exercises on Phantom Beach with instructors Eric McCormick and Marilyn Skoda in charge.*

These people seldom if ever "make the headlines" but they are an integral part of the Community Club's overall operation. Without their loyal and efficient services it would be difficult to maintain the Summer Program and otherwise handle club operations.

Out on the playgrounds, the following supervisors keep things rolling for hundreds of youngsters:

Lakeside — Christine Robertson and Frank Fieber.

Queens — Naomi Hart and Marilyn Skoda.

Foster — Eric McCormick.

Channing — Gwen Michalkow.

Creighton — Sandy McIntyre.

With the exception of Gwen Michalkow at Channing, the above are the supervisors who also teach swimming and water safety and conduct the exercises and games at Phantom Beach.

Keeping the playgrounds in shape and the Community and Jubilee halls "groomed" for summer activities are:

Milt Jordan — Mr. Community Club — the manager's right hand man. A terror to the "law-breakers" and an ever helpful friend to

(Continued on page 11)



*The first of a group going into action in the broad jump, with Frank Fieber and Sandy McIntyre keeping tab.*



*At Creighton playground, two girls' softball teams take time out for a picture. Instructor Sandy McIntyre is at extreme right.*

*The boys play soccer at Creighton.*



*The miniature train at Phantom Beach — enjoyed by all — with the diving towers in the distance.*



## ZINC PLANT

LEW WULLUM

**I**T seems that Zinc Plant people are so busy with their summer projects that they have no time to tell us of their activities.

We were all saddened by the deaths of Ed Leslie and George Leel. Both these men were valued employees of this department.

Among those who have left the service of the company we note the names of Al Whittleton, tankhouse stripper, who has gone farming and Fred Ledieu from the roasters, who has become secretary-manager of the local Legion branch. Carl Axelsson from the Casting Plant and Len Dickson, Leaching Plant shift boss, have also left us, hoping, no doubt to find a greener pasture. Many students are now on the payroll filling in for the summer while the regular employees enjoy their vacations.

Charley Jones, zinc stripper, was among those who received their 25 year service watches recently. Congratulations Chuck!

John Norman and Wayne Soltys paddled their way to a second place finish in the Trout Festival Gold Rush Canoe Derby. This is the second year that these fellows have finished in the money. Keep at it boys and we'll watch for a winning effort in 1967.

Social and Recreational Club members continue to be active. A Fishing Contest and a Golf Tournament are now in progress. On August 31 the Club's marksmen will shoot off for the McFadden Trophy. The annual fall supper is planned for the Legion Hall on October 1 when trophies and prizes for the above events will be presented. These names should be available for the next issue.

Since last writing we have changed the decor of our office. Gloria Hoffman has taken the place of Elizabeth Tumak who was married in Vancouver on June 11 to Andy Lengyel of the Royal Canadian Navy. Congratulations Liz! And welcome Gloria! We hope your stay with us will be a pleasant one.

Meanwhile, pity your poor reporter, who is living in lonely solitude while his wife enjoys a month's visit with friends and relatives in England.

## SCHOOL DROP-OUTS

(Continued from page 1)

the goal or stop short of it. The manner in which such students respond to this choice, can influence in no small degree the level of success achieved in the years ahead.

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## Intelligence Can Be Taught

**W**E can make children more intelligent. But we have to work fast, according to an article in the Reader's Digest. Psychologists now believe they can raise the average level of intelligence during the next generation or two by 30 points of I.Q. — provided they reach the children early enough.

Contrary to the old view that intelligence is fixed at conception, we now know that a child is endowed only with an intellectual potential. He has to learn how to learn.

This process usually takes place during the first four or five years of life. Environment plays a leading role. Children brought up in homes where they are played with and exposed to a wide variety of sights and sounds develop more fully than children brought up in institutions where they are deprived of these advantages.

To provide the advantages, parents should give their infants a wide variety of things to hear, see and handle. Simple devices — boxes, pots and other household objects — are just as good as expensive toys for the purpose. Freedom plays an equally vital role. Children should be free to try out the world, to walk, climb, jump, manipulate and throw things.

They also need affectionate adults who provide a responsive audience, answer their endless questions, serve as models for imitation, and ask them questions that they must use language to answer.

By providing the opportunities for children to learn, parents can help raise the child's intelligence and contribute toward a society in which intelligence is higher than any of us may think possible.



Scroll presented to Alex Chisholm by Smelter Superintendent Roy Mast.



... a wallet by Jack Adams.



and a flight bag by Al Ostby, all from Alex' fellow-workers.

## SMELTER

BILL PHILLIPS

THE job as Department reporter becomes more and more difficult with the increased turnover of personnel. At one time it was next to impossible to mention all the changes in crew when students were coming and going. Now the same still applies and in addition there are quite a few others. I'm using this as my excuse for not mentioning each individual that has come or gone. This being the case I must simply say Good Bye and Good Luck to all those leaving and "Welcome" to all the newcomers.

We are happy to report that Bill Bottrell is back on the job, says he's feeling not as chipper as normal, but nevertheless he's working every day. On the other side of the ledger we regret to report that Len Costigan, Johnnie Cameron, Oscar Grimard and Jim Nazar as yet are not well enough to get back to work. We hope you make it soon fellows.

Oliver Newton of the Converter Crew reports a terrific vacation over in Merrie England and recommends a similar vacation to any thinking along those lines.

Office Steno "Nell" Cutt is away at the time of writing and was going to Regina. In "Nell's" absence, the office has been enhanced by the presence of the former "Rotary" Queen Joyce Johnsgaard. Need I say more?

The number of "Quarter Century" Club members from the Smelter Dept. was increased by three recently when Angus Menzies, Lynn Strom and Harry Pockett each received his watch at the most recent watch party. That makes 55 employees still on the payroll who have 25-year service watches. Not bad, I say.

Although I mentioned earlier that I couldn't mention all those who leave, I can't pass up mentioning that Alex Chisholm (Reverb Shift Boss) has headed out west on early retirement. Good luck Alex, wish we could join you.

A large number of Smelter Department fellow-workers wished Reverb Shift Boss Alex Chisholm farewell and good luck at a gathering held in June. The three pictures show Smelter Superintendent Roy Mast presenting a scroll, Jack Adams a wallet and Al Ostby a flight bag all "from the gang". The occasion was an "early retirement" party after 32 years with the Company. Alex beat the deadline by five years in order to get out to B.C. that much sooner. Harry Lofendale, shown centre in third picture above emceed the gathering for which Jack Adams was chairman on arrangements.

### FLIN FLON COMMUNITY CLUB

(Continued from page 9)

all. He is on the playgrounds in the Summer, and at Whitney Forum for Winter operations. Our utility man.

Max Gasena—A former HBM&S employee, now retired and doing a good job as custodian in the Main Hall and Jubilee Hall.

Andy Neilsen—Works on the opposite shift to Max in the two halls.

Between these two and Charlie Ray, the swing man, the many activities in the halls run smoothly.

Looking after the bookkeeping and the office is Mrs. Pinkie Davie.

Son: "Daddy, why is a man only allowed to have one wife?"

Father: "Son, when you grow older you will understand that the law protects those who are unable to protect themselves."



HBM & S No. 2 Mine Rescue team, Manitoba Champions — Left to right: Ray Quinn, Reuben Hagan, vice-captain; Cliff Lojgren, Ned Avary, Roy Davidson and Hughie Bunn, captain.

## SAFETY

JIM CONNER

**A** GOOD FOREMAN HAS A GOOD CREW". While this statement appears simple enough a second look at the old adage puts a great deal of responsibility on the supervisor. This is particularly true when we consider the large numbers of transient employees coming and going. In recent months the situation is particularly pronounced with summer student employment. Shift Bosses and Supervisors throughout the plant are receiving their share of young men who in many cases are working at their first job. This places a greater responsibility on the supervisor in that on-the-job training must be accomplished as well as getting the work done. An essential part of this training is the proper guidance to insure that good safety standards are maintained in work being performed.

Here the supervisor must be at his best.

Where the students and young men are concerned working at their first job, patience and understanding are essential. The proper methods and procedures necessary to do the job must be taught and emphasized again and again.

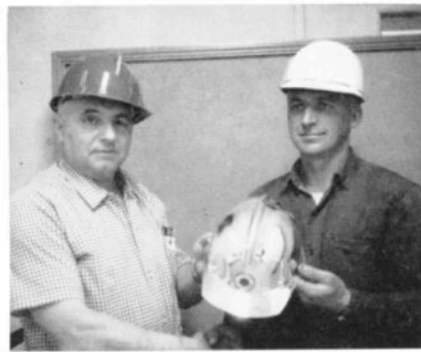
In this initial period of training the pattern must be set up for the safe working habits of the new employees. For the older men being hired for the first time the supervisor must watch and correct unsafe work habits. From his experience as a supervisor this also means that the correct use of all equipment must be insured. This not only applies to the equipment necessary to perform the work but also to the devices essential to the man's health and well being.

Point number 5 of our Safety System reads "Can and Will men continue to work Safely? Yes or No." When the supervisor, after the training period necessary for all new employees, can answer YES to this question, his first big step has been accomplished to the fulfilment of

On hand for the Mine Rescue Trials in Flon Flon—Left to right: Hank Bloy, Safety Superintendent; Nick Iannone, Jim Jeffries, Howard Black, Mine Safety Engineer; Jack Chrisp, Gerry Trueman, Des Russell.



N. Iannone presenting top guard award to O. Florrell — because he was wearing a hard hat, serious injury was prevented when two 3 in. x 12 in. x 18 ft. planks fell from a scaffold.



Don McKinnon inspects hammer which fell a distance of 50 feet and was deflected by his hard hat, preventing serious injury.



the old adage, "A GOOD FOREMAN HAS A GOOD CREW."

On June 23rd, 1966, Mines and Natural Resources Minister, Hon. Sterling L. Lyon, Q.C., announced that the Hudson Bay Mining and Smelting Company Limited No. 2 Mine Rescue Team had won the Annual Provincial Mine Rescue Competition. We are sure everyone will join us in extending congratulations to Mine Safety Engineer Jack Chrisp and his team of Hughie Bunn, captain; Reuben Hagan, vice-captain; Roy Davidson, Ned Avary, Cliff Lofgren and Bob Quinn. Winning this competition is an indication of the hard work and effort these men put into their Mine Rescue Training.

The competition is judged on general knowledge of mine rescue work, a practical demonstration of mine rescue equipment by each team competing, and the conduct of each team in carrying out a rescue operation under simulated emergency conditions.

Other entries in this year's finals were from Sherritt Gordon Mines in Lynn Lake, and the International Nickel Company of Canada mine at Thompson.

After some years here with the Zinc Plant and Safety Dept., Al Chlan has now moved to Snow Lake, where he will be attached to the Mine Dept. Our best wishes are extended to Al and his family in their new home.

The fall season of sports activity is now immediately before us. The hunters will be polishing their guns and looking to their favorite hunting areas. A reminder here that good safety habits are an essential part of a good hunter's character. A check of equipment and a review of the hunter safety rules is essential for the old as well as the new. Give your weapon the respect it deserves and be constantly alert for the safety of others.

"A GOOD HUNTER IS A SAFE HUNTER".

Gerry Trueman, Mine Safety Foreman.



Plant Shift Boss and Supervisors receiving Neil George Course instruction on "Principles of Safety" from Jim Jeffries, Field Manager, Manitoba Accident Prevention Association.



J. S. Warick, Superintendent of Mines, Alf Highfield, Federal Union No. 172 Steward, and H. A. McKenzie, Assistant General Manager with "Award of Merit" certificate won by HBM & S mines in Flin Flon and Snow Lake areas.

### Highest National Safety Council Award For 1965 to H.B.M. & S.

The second highest award attainable from the National Safety Council (Industrial Conference) has been earned by the Hudson Bay Mining and Smelting Co., Limited underground mines in Flin Flon and Snow Lake, Manitoba.

The citation accompanying the Award of Merit declares the award was made for "a noteworthy safety performance in 1965."

Less than 10 percent of the plants enrolled for National Safety Council membership, totaling 174, win awards in any one year.

The award is based on the frequency and severity of lost time accidents. The National Safety Council sets a par rate for each unit, which is determined by the unit or mine safety performance for a three-year period average, in conjunction with the three-year average of all the metal mining industry who are members of the NSC.

In order to win an Award of Merit, it was necessary for the Hudson Bay Mining and Smelting Co., Limited mines to better par by 27 percent for a frequency figure, and by 10 percent on the severity figure.

Mrs. Sally Woods,  
Machine Shop steno  
and the Golf  
Challenge Shield.



Mechanical &  
Construction  
Recreation Club  
Golf Challenge  
shield.



## Mechanical and Construction

BERT IMRIE

OUR Recreation Club inaugurated several new projects this summer for the entertainment and enjoyment of our members. One is a fishing derby with prizes given for the biggest trout, the biggest Northern pike, the biggest pickerel and the biggest perch. The winner in each class will win individual trophy and \$25.00 in cash. The derby is open to all members of the Recreation Club and their dependents and closes on September 30th. With a wonderful summer and ideal fishing weather the Club is looking forward to a large number of entries in each class.

Another project started by the Club this summer is our Golf Challenge. The Department has been divided as evenly as possible into six divisions and to decide the first holder of our Challenge Shield a round-robin square will be played. On this page you will see a picture of our Challenge Shield and a lot of credit goes to Curly Grandison for being responsible in getting the shield made. In another picture our attractive steno, Sally Woods, is shown holding the shield and the winner of the round-robin square gets to hold the shield. As we go to press the Boilermakers are leading in the round-robin square and they look as if they will be a hard team to beat.

Our bowling league had a very successful year and plans are now being made for a larger than ever league this coming winter. The winners of the Main Event were Mrs. Lorne Howat, Mrs. Jas. Bryson, James Bryson and Gordon Sorette. The winners of the Consolation Event were Maureen Watson, Irene Parker, Ron Menzies and John Brophy. Trophies and individual prizes were presented to the winners by our Club president Mr. Ron Menzies.

Our congratulations to Mr. and Mrs. Norman LeClerc on the birth of a son on May 3rd, and to Mr. and Mrs. Norm Murphy on the birth of a daughter on June 27th.

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Bowling Consolation Winners — John Brophy,  
Maureen Watson, Irene Parker and Ron Menzies.



Bowling League First Prize Winners—Gordon Sorette, Mrs. Lorne Howat, Mrs. J. Bryson and Jim Bryson.



# ELECTRICAL

JIM WARDLE

**P**RETTY hard to catch up on department news at this time of year. The fellows are coming and going north, south, east and west as they and their families head out on annual vacations.

Ross Hogaboam and family have quite a trip ahead of them. Ross has accepted a position in Peru. He will be joining forces with Bill Sutton.

Ray McVay and family will be making their home in Elkhart, Indiana. Ray should be able to grow flowers to his heart's content in the Hoosier State.

John Sokoluk packed up his crew and settled in Calgary. John says the weather there suits him fine.

Our wishes for success go with Ross, Ray, and John.

John Luksaj returned to the fold after a brief stay out West. John seems very happy to be back in harness here.

Our congratulations to our three graduating apprentices. The big day for Clark Qualie, Ron Potkonjak, and Dennis Bonwick was June 23rd when they received their papers at the graduating exercises.

Bob King is our new Social Club President. Bob has served on the executive for some time and is well equipped to take over at the helm.

Kelly Stevenson is back on the job after his bout with the surgeon in Winnipeg. Kelly says he will soon be back in first class shape.

Still off on the sick list are Duke Russell and John Thompson. Hope to see Duke and John back in top condition soon.

The rumors from across the pond are that Keith Hill and Bart Longmore are working in London. The price of a pint must have gone up to make the boys put on their tool pouches.

## RESEARCH

(Continued from page 4)

The laboratory scale roaster is a stainless steel tube, 4 inches inside diameter and 11 feet high. At present there are four pressure taps connected to four manometers on the control panel board. Also attached to the roaster are



*Remember when — One of the occasions when Mr. Curler, Bert McAree captured the premier HBM & S event of a Flin Flon Bonspiel and the Grand Aggregate as well. Shown centre is W. A. Green, a former general manager at Flin Flon and later president of the company. Holding the microphone is "young" sportscaster Jim Wardle.*



*Electrician's apprentice Len Bolton.*

various thermocouple wells for temperature control. These are connected to a variable selector switch which, in turn, is connected to a pyrometer mounted on the control panel. There are three rotometers used for various air measurements and one for propane. There are in all, three outlets in the roaster used for solids and gas discharges.

1. Bed Overflow — this controls the height of the bed in the roaster.

2. Primary and Secondary Cyclones — dust collection system — this separates the coarser particles which are carried by gases from the bed to the full height of the roaster.

3. Baghouse — this separates the finer particles from the discharge gases.

Heat for the reaction is supplied by four propane burners mounted at the bottom and outside of the column and is controlled by a Maxim Pre-mix burner. The roaster and cyclones are surrounded by a brick chimney which contains the flame and serves as an insulation. This chimney is the full height of the roaster. The feed to the roaster is controlled by a table feeder, the rotation of which is controlled by a motor generator set which controls the speed of the drive. Feed rate is from 0.5

(Continued on page 19)



Main Office Curling Champions smile happily. Shown left to right above are Trudy Kreller, Darlene Ried, Joan Tessmer, Beattie Byers and Judi Kolot. Five teams competed in the league.



The mail must go through to all departments come rain or shine. And Cheryl Bitzer, our new inter-department messenger, came smiling through the rainy season during the summer as well as in sunshine.

## MAIN OFFICE

JOHN SPENCER

LIKE the surface of the sun the Main Office is at present a seething mass of vacation time activity. All departments are short staffed, the members who are still on the job working extra hard in anticipation of their own departure to vacationland.

Harvey Lamont has actually been working so assiduously that he came to the office one day wearing one brown and one black shoe. The strain is really terrific.

Trudy Kreller, who has been promoted from messenger girl to a position in the Personnel Department has recently been relieving Beatty Byers in the Steward's Department. Donna Smoliga returned for the summer from far-off Toronto and worked in the Personnel Department during Irene Lengyel's absence on vacation.

Also on holidays at this time were Curly

Gummerson, Mildren Reuter and Clarence Merrell, and among those who have recently returned are Darlene Lauterer, Mary Evans, Marjorie Hall, Joyce Johnsgaard (who returned with a big sparkler on her left hand), Sylvia Smoliga, Margaret Watt, Mary Donohue, Johnnie Spencer and Ralph Bloomfield.

Mary Donohue and her husband drove to Vancouver where they were greeted by rain which persisted during their entire stay at the Coast.

Marjorie Hall drove with Linda Benson of the the Research Department to Calgary, Banff, Jasper, Edmonton and Saskatoon which turned out to be a good weather zone this year.

Talking about weather, our official Main Office meteorologist, Stewie McDiarmid, says that this year's rainfall is about 4 inches above average. As most of the rain has been falling at night-time it hasn't interfered with any of our summer time activities and has made the foliage in this wonderful Flin Flon country look about twice as good as usual.

Linda Lofendale flew to Fergus Falls, Minnesota where she joined forces with Val Plummer, who is attending University in Minnesota, on a motoring trip to Kansas City and St. Louis. They were blessed with almost perfect weather on their trip although they almost got involved in a tornado on their return journey. Among the highlights of the trip were a tour of the wonderful Merrimac Cave and dinner aboard the River Queen on the Mighty Mississippi.

Johnnie and Vera Spencer took a quick dash to Winnipeg to see their son Peter off on the



Pretty Judi Kolot and lucky husband John, cutting the cake at their wedding supper and reception at Caribou Lodge.



*Thirty members of the Steward's Department were on hand to extend wishes for a happy future to Mrs. Edgar.*

plane to England. They also visited Clear Lake and Victoria Beach on their journey.

Ralph and Louise Bloomfield vacationed in their new cabin at Sally's Bay on beautiful Lake Athapuskow and spent a lot of time exploring the big lake in their new boat.

Among those who are eagerly looking forward to a wonderful vacation in England are Wilma Gallagher of the Pay Office and Winnie Gibney and her family. Their plans and preparations have been completed, Wilma's vaccination should be all healed up by the embarkation date and they are counting the hours till the big plane takes off from Baker's Narrows Airport on August 12th.

Two main Office weddings have taken place since the last issue of Northern Lights. On May 20th, Judi Smith of the Pay Office became Judi Kolot. She and her new husband travelled to Yorkton on their honeymoon and were given a tremendous reception at Sturgis, the husband's boyhood home.

Margaret Caruk, also of the Pay Office, was married on June 2nd to Nestor Rushinka and has moved to Garland, Manitoba to assist her husband in the operation of his farm.

Evelyn Sochan will, it is confidently expected, have changed her name by the time this issue reaches publication. She is sporting a spanking sparkler and the big date, we understand, is August 6th.

We are happy to announce that Bob Willox



*Mrs. Opal Edgar was honored on the occasion of her retirement after 17 years with the Steward's Department of the Company. Steward Earle McDonald makes presentation and extends good wishes.*

of the Accounting Office has passed his first year's examinations towards his R.I.A. degree. Bob is also an all round athlete, water skiing and middle distance running being his summer-time specialties.

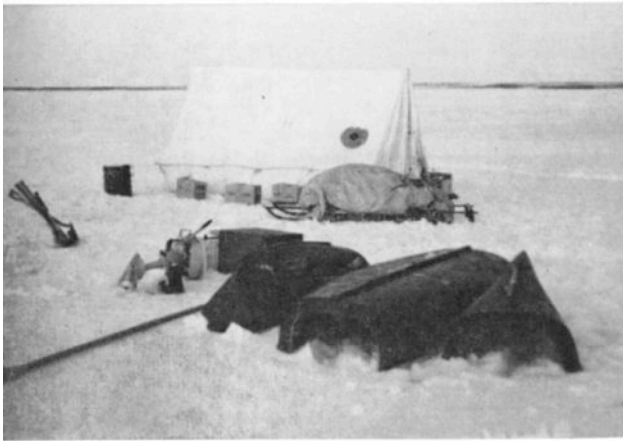
Another ambitious member of the Main Office staff, Pat Veilgut, is working hard on her parallel parking and should soon be the proud possessor of a driver's licence.

The two newest members of the Main Office staff, Marilyn Graham and Cheryl Bitzer, who both come from Snow Lake, are officially welcomed by this column.

(Continued on page 29)



*Ches and Marg Henry at their Silver Wedding surprise garden party.*



*Summer "home" of Slim Lindsay and Jeff Russell, somewhere in the barren lands.*



*Constable and Mrs. Jack Fraser on their wedding day.*

## ISLAND FALLS

BILL SOUTHWORTH

**T**HE weatherman smiled on us for our Dominion Day Celebrations for which a befitting flag-raising ceremony got the day off to a fine start.

Throughout the morning there were all types of races for all age groups. The refreshment booth opened at noon and from then on the place was just jumping. Bingo and other games of chance were featured during the afternoon, topped off in the evening by the main attraction of the day, the ball-game between the visiting Snow Lake team and the Island Falls All-Stars. Our team managed to nose out a close win.

For some, the best was yet to come; a real bang-up modern dance to bring this pleasant day to a close (the next morning).

We are pleased to announce the arrival of George Hugh at the Gordon Dash home on May 2nd, weighing in at 5 lbs. 13 ounces.

On June 15th a large number of friends swooped in on Marg and Ches Henry to help them celebrate their 25th wedding anniversary. The Henry's were up river at their camp for the day, so imagine their surprise when they returned to find their lawn decorated with strings of flags etc., and the stage all set for a fine garden party. Tom Willey presented the honored guests with suitable gifts. The evening concluded with a burst of picture-taking and a delicious lunch.

Slim Woods has a good start on his new general store at Sandy Bay. The basement is poured and a start has been made on the main portion of the building. Slim hopes to open for business this Fall.

Councillor Irene Bowman's term of office expired in June. She has served on our Council since its inception three years ago. We wish to congratulate her and thank her for a job well done.

This vacancy has been filled by Ada Russell who was elected by acclamation. Ada is well qualified for this post, having been a member of our community for over 25 years.

It is with deep regret we record the death of Alex Strindlund on July 2nd in Flin Flon. Alex



Miss Linda Bowman is in charge of our swimming program for the second Summer.



Truck driver Peter Linklater and mechanic Norman Noteweyes.



The "Happy Gang" from Sandy Bay.

was employed by Frazer Brace Engineering Company on the original construction of our plant back in 1929, then returned to take permanent employment here in 1936. He had been on pension for the past five years. Our deepest sympathy goes out to the family.

Late in June, geology student Jeff Russell took off for the Barren Lands to join up with Slim Lindsay on a prospecting venture. This should be quite an experience for Jeff and we are looking forward to hearing an account of his adventures when he returns this Fall.

A wedding of much local interest took place in Prince Albert, Sask., on April 16th, when our RCMP Constable, Jack Fraser and Miss Donna Cugnet of Vancouver were married in Sacred Heart Cathedral. After honeymooning in Montana they returned to make their first home here. Jack is in charge of the local detachment of the RCMP and Mrs. Fraser plans to teach school at Sandy Bay this autumn.

Linda Bowman again had charge of our playground and swimming activities for the summer months.

Jack Barkwell and Stan Ferg putting together "Barky's" mobile home.



Eleven local Girl Guides enjoyed the summer camp at Camp Whitney in July. Attending from Island Falls were Norma Bowman, Colleen Hill, Marcy McMurdo, Terry Henry, Marla Hammond, and from Sandy Bay, Victoria Bear, Edith Bear, Leona Morin, Alma Montgrand, Carolina McDonald, and Roberta Ripley.

Later in August, six of our Scouts had a very pleasant two weeks at Camp Whitney. Our contingent was made up of Bob and Gary Cluff, Richard Russell, Frank Hvidsten, Larry Sigurdson, Randy Bowman and Robert Thompson.

Automation has brought on a housing problem for most residents of Island Falls. Some have solved the problem by building or renting a house or suite. Not so Jack Barkwell. He decided to have a home he could take with him wherever he went. So with this report you see a picture of his new 60 x 12 mobile home well under way.

The work that men do is an essential part of their lives, not mainly because by it they earn bread but because a man's job gives him stature and binds him to society. The worker who is happy in his job, with confidence in the management and cooperative relations with his co-workers, will spread his contentment throughout the community.

—DR. RALPH T. COLLINS

\* \* \*

Every age and generation must be free to act for itself *in all cases* as the ages and generations which preceded it. The vanity and presumption of governing beyond the grave is the most ridiculous and insolent of all tyrannies. . . . It is the living, not the dead that are to be accommodated.

—THOMAS PAINE

# SNOW LAKE, Manitoba

## NEW MINES and NEW HORIZONS

**F**IVE copper-zinc properties owned by the Hudson Bay Mining and Smelting Co., Limited, are pointing the way to a bright new future for the Town of Snow Lake and area, located about 80 miles east of Flin Flon.

Faced only a few years ago with the possibility of becoming a ghost town — because the Howe Sound gold-mining operation which gave the town its start was rapidly running out of ore — Snow Lake today looms larger than ever in Northern Manitoba's mining picture.

Discovery of the ore bodies came about mainly as a result of the Company's unceasing search for new mining areas, by its Hudson Bay Exploration and Development Company Limited subsidiary.

Strung about the Snow Lake townsite like a necklace, the five properties include the Chisel Lake mine, five miles to the southwest of the town; the Ghost Lake Mine, less than a mile eastward from Chisel; the Anderson Lake Mine, located between Chisel and Stall Lake mines; the Stall Lake Mine, four miles southeast of the townsite, and Osborne Lake Mine, 13 miles to the northeast.

Two of the properties have been brought into production — Chisel Lake Mine in 1960 and Stall Lake Mine in 1964. Osborne Lake and Anderson Lake Mines are in varying stages of development.

Interest in the mineral possibilities of the Snow Lake area was manifested by the Company's exploration and development branch prior to 1951.

In 1954 an option was exercised on a group of claims in the Osborne Lake area. Additional ground was staked around the optioned area and a ground electromagnetic survey was initiated. Subsequent drilling on the claims outlined a deposit of copper-zinc mineralization now known as the Osborne Lake Mine.

The property on which the Stall Lake Mine is located was staked in September 1955 and a hole drilled in 1956 to investigate an anomaly encountered the orebody.

The Chisel Lake property was discovered in 1956 by the diamond drilling of an electromagnetic anomaly beneath the southwest end of Chisel Lake.

The Ghost Lake property was discovered late in 1956 as a result of a diamond drilling program which followed along a strike to the east from the Chisel Lake orebody. The Ghost Lake orebody has no surface exposure and to date has defied detection by any geophysical method.

The Anderson Lake property was turned up in 1963 by geophysical exploration.

By the end of 1956, ore reserves mapped out in the Snow Lake field by the Company were of sufficient tonnage to warrant definite planning for mine development and ore recovery and treatment. Over the next three years, a number of important moves were made toward these ends.

In 1957 arrangements were completed by the HBM&S with the Canadian National Railways for a 52-mile branch railway line to be constructed from a point north of Cranberry Portage on what is now the Lynn Lake rail line, eastward to Chisel Lake, to permit haulage of ore from the properties in the Snow Lake area for treatment at the Company's metallurgical plants in Flin Flon.

Also in 1957, an 8.5 mile road was built from the Wekusko - Snow Lake road to the Chisel Lake property and a five-mile power transmission line was completed.

In 1958, an agreement was finalized by which the Company would purchase a number of Howe Sound Mining Company assets. Among major items acquired were the power transmission line to Snow Lake, surface mining

plant buildings and equipment at Snow Lake and the townsite buildings and services.

Buildings purchased included several duplex and single dwellings, the Community Hall, the original school building, the Curling Rink and the Hospital. The majority of the dwellings were sold to HBM&S employees; the school building, Community Hall and Curling Rink were donated to the local Government District of Snow Lake, as were the sewer and water facilities. The hospital, ownership of which was retained by the Company, was improved and modernized where necessary and now is operated by the Employees' Health Association under a rental agreement.

In 1959, an agreement was finalized with the Manitoba Government and the Local Government District of Snow Lake with respect to the operation of the townsite.

It was in 1959 also that, as a result of the steadily increasing number of men required to bring the mining properties into production, the townsite began to experience growing pains in the matter of housing accommodation.

To cope with this situation, one that was to recur again and again in the years ahead, the Company arranged for the construction of 25 modern new homes in the town.

These 25 two and three-bedroom dwelling with full basement, up-to-date efficient oil-fired hot-air heating systems installed, and with lots levelled and entrance walks constructed, were sold at cost to HBM&S employees on terms of 10 per cent down payment and the balance on a monthly basis over 15 years, interest free.

The 25 homes were the first of a total of 135 such dwellings arranged for by the Company between 1959 and 1966 (including the 25 under construction this year), all of them for resale to employees on the same basis as the original 25. The additional new homes after the original 25 were arranged for as required in 1960, 1961, 1962, 1963, 1964 and 1966.

As well for this revitalized town, a modern skating rink with seating capacity for around 600 people was built by the HBM&S in 1962, with some volunteer labor contributed; and assistance was provided by the Company in 1964 for the enlargement of the town's three-sheet curling rink. In this latter project, the

residents pitched in with voluntary labor for the addition of three sheets of ice and new clubrooms.

Sewer and water lines were extended in the town, a trailer court accommodating 20 trailers was built, the school was enlarged, a new sports field was sponsored jointly by the Snow Lake Community Club and the Snow Lake branch of the Royal Canadian Legion; and Union Local members completed a playground for the children, equipping it with swing, teeter-totters and sand-boxes.

A beach on the south side of the town, serves both residents and visitors for swimming and boating. Located on the shore of Snow Lake, about a half-mile from the business area, a sandy floor stretches for a good distance out



*Headframe for Chisel Lake Mine, first property to be brought into production in the Company's Snow Lake field.*



*Chisel Lake hoist house and production shaft at left.*

into the lake, dropping gently to a four-foot depth at a distance of about 100 yards from the shore, providing a much-used swimming area especially for children.

A healthy Community Club flourishes at Snow Lake, looking after all organized sporting activity; and an active Canadian Legion Membership has its own branch building from which to operate.

This year, a modern new dormitory was completed in the town by the Company with accommodation for 44 men in bright attractive rooms. As well, a roomy well-furnished reading and sitting room was built, for the use of single men residing in the dormitories.

New business places have been erected and established ones modernized.

The Town of Snow Lake is a Local Government District, with a Resident Administrator appointed by the Manitoba government and a seven-man Advisory Board elected by the rate payers. The town has a resident doctor, a 10-bed hospital with four nurses, and a Royal Canadian Mounted Police establishment. Den-

*Some of original housing at Snow Lake, with Dorms, Hospital, Staff House, original three sheet curling rink (long building), Community Hall and original school building left to right across background.*



tists, chiropractors and optometrists make periodic visits to the town, supplementing the health services already based there.

In the mid-1950s, the town had a population of around 650 people. Today, as a result of HBM&S mining operations in the area, the population is estimated to be in the neighborhood of 1,400.

School enrolment in 1962 was placed at 300 with 12 teachers on the staff. At the close of the school year in June 1966, enrolment was pressing the 370 mark and there were 17 teachers on staff.

Looking ahead, decision was reached to build a modern new school in Snow Lake, ready for occupancy early in 1967.

The new school will have accommodation equivalent to 20 classrooms of which 10 will be used as actual classrooms for Junior High and Senior High School students. In addition, the new building will contain a gymnasium the equivalent in size of six classrooms, two labs the equivalent of three classrooms and a library the size of one classroom.

Answering an appeal from the Local Government District of Snow Lake for financial assistance on the project, to offset rising costs, the Hudson Bay Mining and Smelting Co., Limited made available a grant of up to \$65,000 towards construction of the new school. The Company also purchased the debentures on the project up to an amount of \$380,000 at a low rate of interest.

With new mines on its doorstep, modern accommodation for both married and single residents, recreational facilities for young and old alike, a new high school under construction and an expanded business section, the Town of Snow Lake today is headed along a new and more secure course into the future.

### **Development of The Orebodies**

While all the necessary matters relating to the enlargement and improvement of the town-site, and the welfare of the residents were being attended to, work was progressing steadily in the development of the orebodies.

Technicians, engineers, workers and supervisory staff from the parent mine at Flin Flon, through winter and summer were applying their skills toward drilling, sinking shafts, erecting headframes and other surface buildings, making electrical, mechanical and piping installations, and doing the numerous other jobs necessary toward development and production.

The seven-year period from 1957 to 1963 saw intense activity in this regard. Prior to completion of the branch railway line to the Chisel Lake Mine in 1960, all lumber, steel, electrical equipment and other necessary material had to be shipped by rail over the Hudson Bay Railway Line to Wekusko, then freighted by truck and tractor to the minesite. Representatives of the Warehouse department were located at Wekusko and Snow Lake to handle these supplies.

In preparation for the energizing of the Chisel Lake and Stall Lake power lines during the summer of 1957, the Company's Electrical department at Flin Flon completely overhauled four big transformers, a job seldom if ever before accomplished outside of a transformer shop specially equipped for the work. Three of the transformers each weighed 38 tons, and the fourth, 27 tons.

A Hudson Bay Air Transport helicopter helped to speed up construction on the power transmission lines for the two properties, by transporting power poles from a stockpile on the shore of Snow Lake to construction crews on the powerline right-of-ways, enabling them to maintain steady progress. Great care had to be exercised in depositing the poles at their destination to avoid having them snap in half on impact with the ground. In order to prevent such breakage, the pilot employed the technique of lowering his 'copter until the butt of the power pole made contact with the ground, then released the pole from the sling.

Bush fires caused anxiety in the development stages in both 1960 and 1961. The 1960 fires during early summer cast a pall of smoke over the Snow Lake area and forced a temporary shutdown in the shaft sinking operations at the Stall Lake property. In the summer of 1961, forest fires damaged power lines and caused a

three-week shutdown in mining operations. Power poles from Sherridon, and material from other points had to be brought in by HBAT aircraft to enable the power lines to be placed in operation again.

### Chisel Lake Mine

Shaft-sinking at this property began in 1957. All men working on this operation at that time were from the Flin Flon mine, living in dormitories at Snow Lake and commuting to the minesite by bus.

Chisel Lake was drained, and a surface plant was constructed and fully equipped. The plant included a headframe, hoisthouse and compressor room, changehouse, boilerhouse and steel shop, and all the necessary utilities.

Shaft-sinking continued during 1958, stations were cut at several levels and driving of haulages was begun on five levels.

The winter of 1958 was a cold one with the mercury dipping to more than 45 degrees below zero. Despite this, riggers, boilermakers, mechanics, carpenters and pipefitters, charged with the job of dismantling the Howe Sound headframe at Snow Lake and moving it to the Chisel Lake property for erection there, did the job in record time.

By Christmas 1958, construction work at Chisel was completed and the miners took over.

In 1959, the Canadian National Railways completed the job of laying the steel for the branch railway line through to Chisel Lake, where good progress was being made in shaft sinking and other underground work.

*A start on the construction of some of the 135 new homes built at Snow Lake, arranged for by the Company and resold to employees.*





*Completed homes.*



*A close-up on completed home.*

The year 1960 was a memorable one in the Snow Lake operation. The late summer saw full completion of the 52-mile branch railway line to the Chisel Lake property, and the departure on September 2nd of the first trainload of ore from that property, for treatment at the Company's metallurgical plants in Flin Flon.

This first ore train from the Snow Lake field was greeted at Flin Flon by government, railway, civic and mining officials who watched the dumping of the ore at the tipple.

The winter of 1960 held great excitement for the residents of Snow Lake in another way. The Simon House Road, connecting the community with No. 10 highway, 88 miles to the south, was scheduled for early completion. It would mean that Flin Flon could be reached northwesterly from the junction with No. 10, and The Pas and other points southward on the highway.

An indication that the Company's new Snow Lake field was "growing up" came in 1961 when, barely a year after production began at Chisel Lake Mine, its Mine Rescue team from the area won the competition held in Flin Flon amongst all such HBM&S teams, earning the right to represent the Company in provincial competition against teams representing other Manitoba mining companies.

While the team didn't win top honors that year, it won a citation from the judges on the excellence of its work. Personnel of the team included C. F. Baumgartner, captain; J. Higgins, R. Cockle, J. Walters, J. M. Graham and J. Walsh.

Steady production was maintained at the Chisel Lake Mine through 1962, 1963 and 1964.

August 19th of 1964 marked a milestone in the history of the mine, with the ore train leaving that day for Flin Flon bringing to more than one million tons the ore shipped from Chisel Lake Mine since going into production in 1960.

By the end of 1965, ore shipped from the mine reached a total of more than one and one-half million tons.

The Chisel Lake Mine is serviced by two 3-compartment shafts. No. 1 shaft handles men, materials and waste rock. No. 2 shaft is used for hoisting ore. All production mining is by open stoping, with drilling mainly from sublevel drifts. When the stopes are mined out they are backfilled with slag from Flin Flon.

### **Stall Lake Mine**

Work on the Stall Lake property saw shaft-sinking begun in 1957. The plant site was cleared, the lake drained, permanent surface buildings erected, temporary hoist and headframe installed, and a three-compartment shaft pushed down to more than 700 feet below the surface.

Construction continued in 1958 with riggers erecting the steel headframe. A permanent hoist was installed and the permanent headframe was completed. By Christmas, construction work was completed and the miners took over.

Development work at Stall continued through 1959 and 1960. During 1960 the No. 1 shaft was deepened to 2,660 feet, with stations cut on four levels and main haulages extended on three.

The main levels were still in process of ex-

tension in 1961, and the production shaft was pushed down beyond the 2,900 foot level in 1962. As well in 1962, the Canadian National Railways made a start on the new eight-mile branch line from Chisel to Stall, and new ore bins were planned to accommodate large ore cars.

The branch railway line was completed to the Stall Lake Mine during the summer of 1963 and the railway spur and siding were completed as well. As a result, the first shipment of development ore from the mine—around 1,600 tons—was made to Flin Flon for test purposes.

The Stall Lake Mine was brought into production in February of 1964.

By January 20th of this year, 1966, the train pulling away from the Stall Lake Mine with ore, brought to more than a half million the total tonnage shipped since that mine went into production almost two years before.

Stall Lake Mine is serviced by two shafts. No. 1 is a three-compartment shaft used for hoisting ore and waste rock. No. 2 is a two-compartment shaft used for hoisting men and materials. Mining is being carried out between the 900 and 2,500 levels by the cut and fill method, although one stope is being prepared for open stoping.

#### Osborne Lake Mine

Both a road, under the Roads to Resources Program, and a power transmission line were completed to the Osborne Lake property in 1961. Construction work there included the erection of a headframe, partial construction of the combined hoisthouse and service building, completion of a dam for fresh water supply, and shaft collaring.

A fully-equipped surface plant was completed at this property during 1962, and by the year-end a three-compartment service shaft had been sunk to a point almost 700 feet below the surface, with stations completed at three levels.

By 1964, the main shaft at Osborne was down more than 2,000 feet with stations cut at approximately 150 foot intervals and a short drift driven on the 1,750 foot level.



*The first of two six-room additions to the school. Back portion has been removed. New school under construction.*

During 1965, the main shaft was completed at 2,229 feet.

In December of 1965, the production shaft was started and was completed in September of 1966, to a depth of 2,400 feet.

The method of mining this property will be primarily by open stope. The Osborne Lake Mine is expected to be brought into production in the Spring of 1968.

#### Anderson Lake Mine

During 1965, an access road and a powerline were completed to the minesite. The minesite area was cleared and all surface buildings were erected and the equipment installed.

During 1966, shaft sinking was commenced and by September first was completed to a depth of more than 1,300 feet.

#### Ghost Lake Mine

An access road has been built to this property and a powerline right-of-way has been cleared.

#### Early History of Snow Lake Region

Investigation of the Snow Lake - Wekusko region dates back to 1896 when, records show, a federal geological survey party visited the

*Looking north to water tower, right to left, hospital, dorms and Company offices.*





*Toting power poles to speed up power line construction.*



*Easy does it as HBAT helicopter lowers a pole to ground.*

area. Another such survey was made in 1913, followed in 1914 by a gold discovery on the east shore of Wekusko Lake.

Several other gold discoveries were made in the area during the next few years, but only one of any consequence was developed. This was the Rex Mines, later named Laguna Gold Mines, which produced more than 7,000 ounces of gold from 1917 to 1925. Reopened in 1934, Laguna produced another 48,000 ounces of gold before closing down in 1939.

The first glimmer of hope for a mine on the property presently occupied by the Snow Lake townsite, came in 1927, when C. R. Parres located and staked a gold occurrence on the east shore of Snow Lake.

The claims were held until 1938 when Nor Acme Mines was incorporated to handle the property. Three years later, in 1941, Howe Sound Exploration Company Limited optioned the property from Nor Acme and a diamond drilling program was conducted between August 1941 and April 1942. In October 1943, Howe Sound signed a lease with Nor Acme to develop and mine the property.

There followed over a period of time by

Howe Sound the erection of a plant, capable of milling 2,000 tons of ore a day. The location of a shaft, and a site for an industrial area in the intended townsite were decided upon in February 1945, and a road between the mining camp and the industrial site was completed.

The emergence from mining camp to community, of what was to become the Town of Snow Lake, had begun.

The new community's first baseball game was played on the July first holiday in 1945, when the Miners defeated the Engineers. A townsite survey by provincial government engineers was completed July 17, and clearing of the Snow Lake townsite began August first.

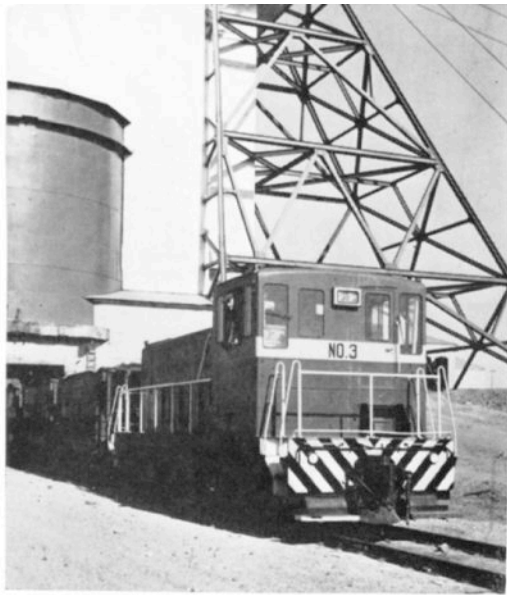
Drilling at Howe Sound's No. 1 shaft started August 7th and the headframe for this gold-mining operation was completed by the end of November. On September 8th of this same year, the first telephone link between the mining camp and the new townsite was installed.

The first Snow Lake Christmas Tree party for children in the area was held Christmas eve 1945 in the camp cookhouse, where Snow Lake's first New Year's dance also was held.

As well during 1945, an important year in Snow Lake's first mining era, Howe Sound completed negotiations with Sherritt Gordon Mines for the purchase of that company's power transmission line, and a contract was signed with the Churchill River Power Company, a subsidiary of the Hudson Bay Mining and Smelting Co., Limited for the purchase of power.

Then, with work well along toward getting





*Ore train loading at Chisel Lake Mine.*

the mine established and into production, attention was given to plans for construction work in the townsite scheduled for 1947. Work planned was for the building of an eight-bed hospital, a four-room school, and houses for mine personnel plus another five 6-room houses, ten 4-room houses and twelve 4-room duplex houses.

Water and sewage installation also was planned for what was then Northern Manitoba's newest mining community, to service all Howe Sound buildings and houses, and an additional 25 lots in the residential area.

The Howe Sound operation on the Nor Acme property at Snow Lake ran for about nine years — from June 1949 to September 1958. During that period some five and one-half million tons of ore were milled to produce gold, mainly, and some silver.

*First car of ore from Chisel, September 2, 1960, locked in the tippie at Flin Flon, on its way to being turned over and cleared of ore.*



The Town of Snow Lake had been aware for some time before the mine closed down that the Howe Sound operation was running out of ore. And in the transition period between the ending of one operation and the beginning of another, uncertainty and foreboding prevailed concerning the town's future.

### **New Horizons**

Discovery by the Hudson Bay Exploration and Development Company Limited of several orebodies, virtually on the doorstep of the Town of Snow Lake, was an accomplishment which not only brought new hope and new horizons to this Northern Manitoba mining community at a time when its future looked darkest, but answered as well the ever-present challenge of finding new mineral areas.

Canada is a land of such challenges and the stories of individuals and companies who respond to this call, and who by their efforts unlock its storehouse of natural resources, are the substance of its history.

Today, the spirit of adventure is as strong as ever. Nowadays explorers comb the wilderness from the air with electronic devices for minerals undreamed of by pioneer searchers in birch bark canoes.

Increased knowledge of the geology of the Northwest and Northeast, and changes in transportation and communication, have brought under scrutiny vast areas which were hitherto looked upon as a waste of rock.

Spending a portion of earnings in a continual search for new properties is an essential in-

*Company president, then General Manager, Eric Austin, second from left, explaining to a guest what happens to the ore after it is dumped from car.*





*Portion of Main Street, Snow Lake, showing left to right, hardware store, coffee shop, blank space now filled by a bakery, grocery and dry goods stores and Snow Lake Hotel.*

gradient in the successful operation of any mining company.

In the Snow Lake field alone, as a case in point, discovery of the five properties listed in this story, mine plant construction, and preparatory and underground development re-

*Another portion of Main Street showing Royal Bank and The Bay store side by side. Now the bank has been moved southward (to the left) so that an addition to The Bay store could be built.*



quired an outlay of around twenty-three million dollars.

Since the commencement of Hudson Bay Mining and Smelting Co., Limited operations in the Flin Flon field in 1930, many millions of dollars have been plowed back into exploration and development. One of the direct results of this policy has been not only to extend by many years the future of the Snow Lake area, but to extend as well the life of the Company's operations at Flin Flon.

Judge (sentencing criminal): "Just what good have you ever done for humanity?"

Yegg: "Well, I keep three or four detectives working regularly."

\* \* \*

The secret of economy is to live as cheaply the first few days after payday as you did the last few days.

\* \* \*

Half the questions a woman asks a man are only to make him feel proud to be able to answer them.

*Houses on Lakeshore Drive fronting on Snow Lake in the beach area.*



## MAIN OFFICE

(Continued from page 17)

The 1966 Trout Festival was the best ever! The biggest fish were caught, the greatest number of visitors arrived in Flin Flon and the weather could not have been bettered during the entire period of the Festival. This is all undoubtedly due to the unflagging and perspicacious efforts of the President of the Trout Festival Association, our own incomparable Bud Jobin, who not once lay down to sleep while the fabulous Trout Festival was in progress.

And finally a few words on the gargantuan struggle that is taking place between the rival Main Office radish and onion kings, Eddy Carate and Del Byres. It looked as though Del was taking a definite lead with the largest and crispest radishes and the sweetest and most succulent onions, when Eddie showed up with some radishes that looked like McIntosh Red apples. And so the conflict continues, favouring now one and now the other of the indomitable contestants. Will size or flavour win out in the end?

---

And then there was the collection letter that began, "We are surprised that we have not received anything from you . . ."

A few days later the letter came back, with a handwritten note across the bottom of the page. It read, "There's no reason to be surprised. I didn't send anything."

\* \* \*

Ma: "Pa, I don't think the neighbors like the drum we got Johnny for Christmas."

"Why?" said Pa.

Ma: "They gave him a knife and asked him if he knew what was in the drum."

\* \* \*

If you're driving today, please drive carefully—I'm walking. If you're walking, be even more careful—my wife is driving. —*L & C Mirror*

\* \* \*

"Daddy, don't drive so fast."

"Why not?"

"Because the policeman on the motorcycle can't get by."

## BROTHERHOOD'S RULE OF THUMB

A common guide for 2½ billion followers of the eight major religions, a total of three quarters of the world's population.

### *Brahmanism:*

"This is the sum of duty: do naught unto others which would cause pain if done unto you."

### *Buddhism:*

"Hurt not others in ways that you yourself would find hurtful."

### *Judaism:*

"What is hateful to you, do not to your fellow man. That is the entire law, all the rest is commentary."

### *Confucianism:*

"There is one maxim of loving kindness: do not unto others what you would not have them do unto you."

### *Taoism:*

"Regard your neighbor's gain as your own gain, and your neighbor's loss as your own loss."

### *Zoroastrianism:*

"That nature alone is good which refrains from doing unto another whatsoever is not good for itself."

### *Christianity:*

"All things whatsoever ye would that men should do to you, do ye even so to them; for this is the law and the prophets."

### *Islam:*

"No one of you is a believer until he desires for his brother that which he desires for himself."

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There once was a man who called a spade a spade—until he stumbled over one in the dark. —*Cortland Lines*

\* \* \*

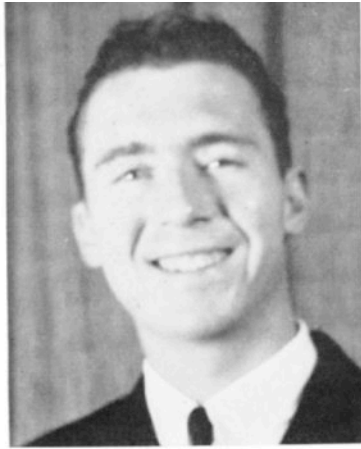
The main difference between a preacher and an editor is that preachers do a better job of following their own advice.

\* \* \*

To get maximum attention it's just hard to beat a good, big mistake.



*Clarke Qualie, Electrical.*



*Cameron Leary, Mechanical.*



*Ronald Potkonjak, Electrical.*



*Dennis Bonwick, Electrical.*



*Raymond Fieber, Mechanical.*



*Robert MacKenzie, Mechanical.*



*Jim Siworsky, Welding.*



*Dwight Danhlgren, Instructor.*



*Max Grant, Instructor.*

## SEVEN GRADUATES FROM 1966 APPRENTICE CLASS

SEVEN Hudson Bay Mining and Smelting Co., Limited apprentices were honored at a graduating ceremony held June 23rd in the Staff House Assembly Room, marking the completion of their indentureships in the electrical, boilermaking, plumbing and welding trades.

Those graduating were Clarke Qualie, Ronald Potkonjak, Dennis Bonwick, James Sliworsky, Raymond Fieber, Robert MacKenzie and Cameron Leary.

Attending the ceremony were families and friends of the graduates, members of the Company's apprentice Advisory Committee, and supervisory staff, together with representatives of the Flin Flon Local Apprenticeship Committee. Guest speaker for the occasion was Mr. J. McCallum of the Manitoba Department of Education.

Mr. H. A. McKenzie, Company Assistant General Manager, congratulated the graduates on the successful completion of their apprenticeships and presented each with a certificate and a one hundred dollar award.

Mr. J. N. Kirkbride, Assistant Superintendent of Research, chaired the ceremonies, which concluded with an informal lunch.

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### A WISH!

May you have enough happiness to keep you sweet;  
Enough trials to keep you strong;  
Enough sorrow to keep you human,  
Enough hope to keep you happy;  
Enough failure to keep you humble;  
Enough success to keep you eager;  
Enough faith and courage in yourself, your business and your country to banish depression;  
Enough wealth to meet your needs;  
Enough determination to make each day a better day than yesterday.

## RESEARCH

(Continued from page 15)

to 25 pounds per hour. The feed from the table can be introduced either by air, which is used as a carrying medium to the bottom of the roaster, or by auger; which is mounted on the side of the roaster, normally above the bed.

By judicious control of air and heat, practically any type of roast can be obtained; such as changing magnetite to hematite or vice versa.

The five most important factors in control of the roaster are as follows:

1. Space Rate — the rate at which the gases travel the length of the column.
2. Feed — the number of pounds per hour than can be roasted to the desired calcine.
3. Heat — the temperature at which the roasting takes place.
4. Air — the amount of air required to roast the product to the desired calcine. (Space Rate and Air are directly related).
5. Bed Height — this varies according to the type of feed being roasted and the time of residence required to roast the coarser particles.

Various types of material can be roasted using this method. Fluosolid reactors are used by the oil, coal, limestone and sulphur industries as well as mining.

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The way for a young man to rise is to improve himself every way he can, never suspecting that anybody wishes to hinder him . . . suspicion and jealousy never did help any man in any situation. There may sometimes be ungenerous attempts to keep a young man down; and they will succeed, too, if he allows his mind to be diverted from its true channel to brood over the attempted injury.

—ABRAHAM LINCOLN

\* \* \*

Ideas are, in truth, forces. Infinite, too, is the power of personality. A union of the two always makes history. —WILLIAM JAMES

\* \* \*

You can't have peace without justice. You must be willing to work for justice or you can't get anywhere working for peace.

— MRS. F. D. ROOSEVELT

# FLIN FLON CADETS BRING HONORS TO



**WIN LOCAL AND DOMINION HONORS:** The four sea cadets shown left to right above, Doug Cairns, Howard Lucas, Hugh Munro and Dennis Arbuthnot, are holding the trophy presented annually to winners of the Flin Flon competition amongst Navy, Army and RCAF cadet rifle units. These four cadets, along with Jim Pearson, Bill Pearson, Ron Ayers, Doug Pickell and Percy Taylor, won even greater honors when they brought to Flin Flon for the first time, the Dominion of Canada Rifle Association shooting championship for Sea Cadets. The eight Flin Flon boys were best among 25 Sea Cadet units, and as well as holding the Howard A. Hunt Memorial Trophy for one year will receive Navy League medals for their accomplishment. Their winning score was 94.074 as compared with 93.291 for second place Hanna, Alberta and 51.629 for the unit placing last. Winnipeg's entry gained a mark of 89.380. (Sub.-Lt. Bob MacKenzie is Range Officer for the Flin Flon unit).



Cadet Doug Cairns is shown above receiving the Sea Cadet General Proficiency Shield from Captain J. Dangerfield of Winnipeg.



Honor Guard being inspected by Captain Dangerfield, accompanied by Sub-Lt. R. MacKenzie of Royal Canadian Sea Cadet Corps Husky of Flin Flon.



Cadet Howie Shiffman receives the Navy League Cadet General Proficiency Shield from donor Steve Novak of the Royal Hotel.



The Flin Flon unit's color party with Lieut. Mike Siryj.

# UNITS, THEMSELVES AND FLIN FLON



WO2 Walter Wynnychenko and WO1 Donald Harland are shown centre above after receiving as joint winners the Frank Doran Proficiency Shield, senior award in the 302 Squadron Flin Flon RCAF Cadet Corps. Presentation was made by Al Simmons of Winnipeg, chairman of the Manitoba committee of the Air Cadet League of Canada, shown left above. Reviewing Officer Squadron Leader Ursulac, from Training Corps Headquarters in Winnipeg, looks on at right.



Most outstanding first year cadet was LAC Earle Case. He is shown here receiving the Mothers' Auxiliary Award from Mrs. Arnold Stephansson, 1966 Auxiliary president.



Flt/Sgt Rick Alexander, winner of the Most Outstanding third year cadet award, receives trophy from Pat Donaghy who was first president of the donor No. 503 Wing RCAFA Flin Flon. Cadet Alexander also was winner of the coveted seven-week Senior Leaders Course at Camp Borden, Ontario.



Left and right above are LAC Bazylowski, first year marksman winner and WO1 Harland, squadron marksmanship winner, shown receiving their awards from Range Officer Mr. Maurice Smith, civilian instructor.

Cpl. Nelson Gaudry is shown above receiving the 503 Wing RCAFA trophy for the Most Outstanding second year cadet. Presentation was made by Alex Oliphant, president of the Wing.



Squadron Leader Ursulac, reviewing officer, accompanied by Flt/Lt Stan Cox, Commanding Officer 302 Squadron, Flin Flon, during the annual inspection.

302 Squadron Color Party, left to right, Cpl. Gaudry, LAC Case, WO2 Wynnychenko, Cpl. Bunn and LAC Burkett.



# POWERHOUSE

T. LAHONEN

**C**ONGRATULATIONS to Mr. and Mrs. Irwin Drinkwater, who were married on July 16th, in Selkirk United Church, by Rev. R. G. Tyndale. The former Miss Shirley Anderson is from Selkirk and Winnipeg. A round of the Lake of the Woods area was enjoyed by the honeymooning couple, before taking up residence at 116 1st Ave.

Modernization is showing up in three ways, work progressing according to plan. Machines taken from, and put in, the powerhouse, the powerhouse itself still being changed. The old No. 1 Heine boiler was scrapped, having been installed in 1930, and its three firing doors providing part of the training ground for the junior personnel. Footings have been poured, and cement-block construction has started to house the new oil-fired 90,000 lb. per hour steam unit to take its place.

Andy Jamieson, George Hillier, Charlie McLean and Joe Sattelberger were left high and dry when the Filter Annex was turned over to the Leaching Plant as of July 27th. Andy retires soon, and the others will also be required to replace other retirees.

Students this year included N. A. Stephanson, B. Van Benthem, W. Pflanz, A. R. Thiele,



Newlyweds,  
Mr. and Mrs.  
Irwin Drinkwater.

T. W. Watt, J. H. Klonteig, J. P. Janick, R. W. Watt and R. J. Buchanan.

## FOUR BONES

Someone has said that membership in every association is made up of four kinds of bones:

There are the wish bones who spend their time wishing someone else would do the work.

There are the jaw bones who do all the talking but very little else.

Next there are the knuckle bones, who knock everything that anyone ever tries to do.

And finally there are the back bones who get under the load and do the work.

\* \* \*

## HOW LONG DOES IT TAKE?

It takes a minute to write a safety rule.

It takes an hour to hold a safety meeting.

It takes a week to plan a safety program and a month to put it into operation.

It takes a year to win a safety award.

It takes a lifetime to make a safe worker or a safe driver.

And it takes just one second to destroy it all with one accident.

\* \* \*

There are three classes of people: those who do not do all their duty; those who do their full duty; those who do more than their duty.

The first lose their position, the second holds them, and the third are promoted.

\* \* \*

When you get right down to it, the best way of doing anything is as good as any!

\* \* \*

It is always good to let a man leave you with the feeling that he is a little taller, not a little smaller, than he was before he met you. Become a builder-upper, not a tearer-downer of people. The tearer-downers, the constant critics, only betray to discerning persons their own hidden fears, their subconscious sense of inferiority, and their own insecurity.

—FRANK E. MASON in "Good Business"

\* \* \*

It is interesting to note that when God made man, he didn't arrange any of the bones so man could pat himself on the back.

## MEMBERSHIP IN HBM&S QUARTER CENTURY CLUB REACHED 753 AS OF JUNE 30th

Total number of employees receiving watches as members of the Hudson Bay Mining and Smelting Co., Limited's Quarter Century of Service Club, reached 753 as of June 30 this year. Thirty-one became eligible for the 25-year service watches at April 30, and 26 more

at the end of June.

In making the July 8 watch presentation for the latter group, General Manager W. A. Morrice noted that of the 753 members, records show 73 percent still on the payroll. Many of the remaining 27 percent are retirees.



*Twenty-nine of those eligible for watches at the end of April received them at the May 6th Watch Party. Nineteen of the 29 are pictured above. Standing, as they appear from left to right are Donald Potter, Dave McDonald, Walter Woods, Henry Bailey, Alex Huston, Jim Brough, R. J. Haggarty, Mac McCrimmon, R. Rossington, Herb Jeffrey and Ray McInnes. Seated are Stanley Quesnel, Jim Harburn, Wes Mote, Johnny Beauchamp, Tom Berg, Lloyd Kreller, H. W. Jackson and Howard Henry. Also eligible for watches but unavailable for the picture, were M. H. Aune, F. T. Hammond, Samuel Hine, Tom Willey, C. H. Nichol, L. E. Hillman, John Black, J. M. Ziprik, T. A. Burr, John Clark, A. J. Cox and T. S. Lyons.*



*Twenty-four of 26 eligible received watches at the July 8th presentations. Back row, left to right, Lynn Strom, Ernie Lindgren, Bob Bray, Angus Menzies, Vic Sharpe, Terry Kennedy, Lawrence Frame, Sam Horkoff (Snow Lake), Cliff Pearson. Middle row: Frank Blackmon, Paul Poirier, Charley Jones, Conrad Larson, Vern White, Cyril Kemp, Louis Figura, Jr., Lawrence Gibney. Front row: Jack Delgatty, Wilf Lipton (Snow Lake), Bill Chlan, Steve Jancik, Harry Pockett, Jack Buckland, Gerry Bracken. Missing from picture, Harry Hill and Fred Berry.*



Northern High School students in Staff House meeting room at start of annual CIMM Pre-Grad Tour of field stations on HBM & S surface property.



Taking part in the proceedings, left to right above were Frank Gummerson, Jack Kirkbride, Roy Coulter, George Kent, Jim Goodman (chairman), Stanley Liss, Keith Callander, Mac Collison, Dr. Blair Howkins, Ray Freberg, Earle McDonald and Howard McIntosh.



In the Research Lab.



Mine Planning.



Geophysical Prospecting.

Surveying.



The Microscope in Mineralogy.



Back at the Staff House for refreshments and film.



## An Insight Into Mining Industry For High-Schoolers

A PRE-GRADUATION look into the mining industry was afforded late in May to a relatively large group of high school students from Frontier College in Cranberry Portage and Hapnot and Sir Maurice Roche schools in Flin Flon.

Sponsored by the Flin Flon branch of the Canadian Institute of Mining and Metallurgy, the group of Grade 12 students got on-the-spot viewing and explanations of operations at the Hudson Bay Mining and Smelting Co., Limited plant in Flin Flon.

Staff members were the key personnel in the CIMM Students' Night program, which was chaired by assistant mill superintendent Jim Goodman, and which provided the young scholars with food for thought toward rewarding careers in the mining industry.

Prior to actual visits to six field display stations located in or near HBM&S surface operations buildings, the group gathered in the Company staff house meeting room, where they heard interesting short talks on various aspects of the mining and metallurgical professions.



First bus group without hard hats.



Second bus group with safety head-gear and first group in the bus also with hard hats.

Dr. J. B. Howkins outlined the roles of geologist and mining engineer in the field and in the plant. Stanley Liss spoke on the mechanical side of mining operations. And Keith Callander explained the metallurgical and chemical aspects of mining operations.

Field stations visited at the HBM&S plant provided actual demonstrations on such topics as Geophysical Prospecting and Surveying, Mine Planning, The Microscope in Mineralogy, Spectrography, Flotation, and Fire Assaying.

Conducting six groups of the students to the displays were Ray Freberg, Howard McIntosh, Frank Gummerson, Mac Collison, Jack Kirkbride, Earle McDonald and Roy Coulter. Demonstrations and explanations at field displays were given by Mo Prew and Art Fenwick, Bob Bray, Ed Martel, Ernie Schweitzer and Bill Friesen, Tony McDonald, Jim Hillier and Marvin Dowhan, Hal Roberts and Eddie Martin, and Sid Yeo.

On completion of the tour, the entire group returned to the Staff House meeting room for refreshments, discussions and a National Film Board color film entitled "Nation Builders". The film had for its central theme university training toward careers associated with Canada's natural resources, and included segments showing students working in the field during summer holidays on mining and gas and oil recovery projects.

The talks, demonstrations and the film—and the food and soft drinks—were enthusiastically received by the northern high-schoolers.



## Kamsack 4-H Club Tours Plant

SEVENTY members of the Kamsack, Saskatchewan district 4-H Club enjoyed a tour of the Hudson Bay Mining and Smelting Company's surface plant operations at Flin Flon early in July. The young people travelled to Flin Flon in two Kamsack School District buses, visiting at Hudson Bay, Sask. and The Pas, Manitoba en route.

The young students were equipped with hard hat safety head-gear worn by all those making such plant tours. They were accompanied on the trip by Saskatchewan Agricultural Representative Larry Koturbash. Kamsack is about 60 miles northeast of Yorkton, Saskatchewan.

A large number of people—both residents and visitors—make plant tours each Summer, May through September, during which time two tours are conducted on Wednesdays, morning and afternoon. Inclusion in the tours is by application to the Company's Personnel office.

Wife: "Don't be so impolite. You've yawned five times while I was talking to you."

Husband: "I wasn't yawning—I was trying to say something."

\* \* \*

"Doctor," said the pale-faced man to his physician, "I'm in an awful state! I almost jump out of my skin every time the phone rings. If I see a stranger at the door, it scares me to death. I'm even afraid to look at a newspaper. What's wrong with me, anyway?"

The doctor gave him a sympathetic pat on the shoulder. "Don't worry, old man. I know what you're going through. My teen-aged daughter just learned to drive, too." z

\* \* \*

One of the hardest but most rewarding things to do is to mind one's own business.



Charming new addition to our office staff, Sandra Herchen.



Proud parents Art and Mary Young, at their daughter Janet's graduation with B.Sc. degree from University of Manitoba.



TORONTO OFFICE FAREWELL—L. W. (Larry), Ogrzylo HBM & S Director of Exploration, is shown at extreme right in the above picture, in the Toronto Office farewell to staff member Janis Glover, seated. In the picture also, left to right, are Mable Lennox, Assistant Manager of Metal Sales Jack Purvis, Bill McLeish, Carol Wheatley, and Resident Geologist Ken Gamey.

## WINNIPEG OFFICE

RICK OLSON

TWO charming additions have been made to the office staff in the attractive persons of Joanna Terra and Sandra Herchen. Joanna is a new stenographer in the expanding Purchasing Department while Sandra replaces Ethel Freeman, who left us at the end of June, as the traffic department stenographer.

Joanna, who was born in Amsterdam and whose family brought her to Canada in 1953, completed her education at Lac du Bonnet where she lived with her parents, two sisters and a brother. She enjoys skiing and swimming and just recently took up horseback riding which may not last too long since she is still suffering from her first ride.

Sandra comes to us from Dominion Bridge Ltd. where she was the steno to the chief draftsman. She lives in the city of East Kildonan with her parents and 2 older brothers. Her activities include membership in the Transcona Jaycees, in which she keenly participates, and such sports as bowling, swimming and badminton.

The vacation schedule is in full swing with the following people getting away from it all.

The Bill Tindall's are spending a month at their cottage at Minaki while the Al Gillies family were at Star Lake for three weeks. C. O. Buchanan is relaxing away from the telephone for two weeks at his cottage on Big Whiteshell Lake. Mr. and Mrs. Eric Austin spent the month of July motoring west to Calgary and Vancouver.

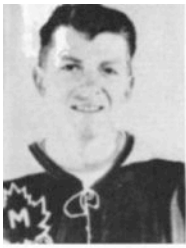
Carol Gamble travelled with her mother to Vancouver and Victoria during her two week vacation. Journeying by train Carol was quite impressed on viewing the Rocky Mountains for the first time. Darlene Savage lounged at home for a couple of weeks while Arlene Rayter lived it up at Winnipeg Beach.

Stu and Jean Hayward drove to Flin Flon for a week's stay with their son Bill who is working in the mill for the summer holidays. Their other son, Gordon, who was in a student exchange program with young people all across Canada, was a guest with a French Canadian family at Victoriaville, Quebec. The Hayward's reciprocated by entertaining two young men from New Westminster, B.C. for a week.

Nancy Hnatychan, who travelled south to Bermuda last year with her bikini, took it north this year when she attended the Trout Festival. She reports that it was "strictly a fabulous time" as she was rushed here and there taking in all the various activities. Accompanying her were Jeanette Kwosny of Winnipeg and Judy Forsyth formerly of Flin Flon.

Jack Aston, who spent a week of his holidays preparing a floor for his new garage, is the proud owner of a 1963 Valiant station wagon. Now to finish the garage to put the new car in. Besides, what is this switch to Chrysler products after all those good G.M. years?

We would like to congratulate Al Gillies on his appointment as Assistant Traffic Manager last April 1st. Good luck Al.



REX RIDEOUT



DAN WARWARUK



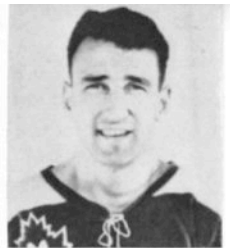
DON DONALDSON



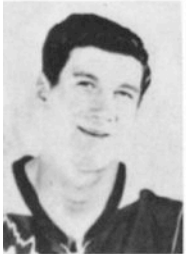
DAVE RAINVILLE



BOB WILLEY

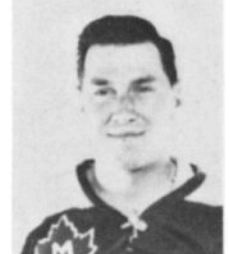


GEO. CHIGOL

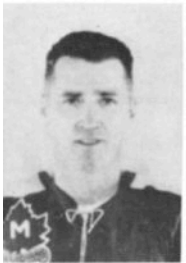


TOM DAVIE

# FLIN FLON WARRIORS 1965 - 1966



VIC POIRIER

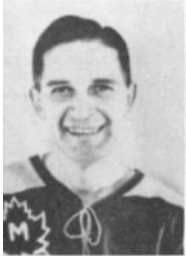


CLIFF LENNARTZ  
Asst. Capt.

## CANADIAN INTERMEDIATE HOCKEY CHAMPIONS



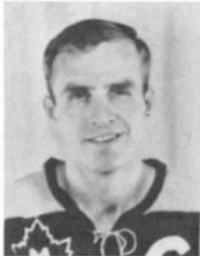
LAVERN LOEWEN



GEO. ALLARD  
Manager



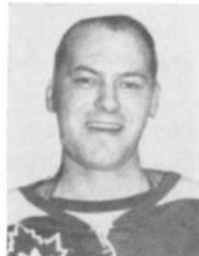
EDMONTON  
JOURNAL TROPHY



JACK TURNER  
Captain



KEN KVERN  
Asst. Capt.



LYLE WILLEY



RALPH LYNDON



ERNIE POIRIER



JIM BRYSON  
Trainer



BRUCE KEDDIE  
President



BUD KILLICK  
Coach



HARRY BEUCHERT



BILL BOND



AL WHEELER  
Publicity



DR. P. PREMACHUK  
Physician



STEVE CARA  
Hon. Director



JIM RHEAUME  
Treasurer



RAY ROGERS  
Asst. Trainer



AL EVASON

## Poems, Puns & Philosophy

Two hunters had been out in the woods for several hours and one of them had been growing uneasy. Finally, panic overcame him.

"We're lost!" he cried to his companion. "What are we going to do?"

"Take it easy," said his composed friend. "Shoot an extra deer and the game warden will be here in a minute and a half."

\* \* \*

An optimist is a bridegroom planning how he will spend his next paycheck.

\* \* \*

Mrs. Smith: "Your son drives an expensive car and wears the best in clothing. I guess he must have a good job."

Mrs. Jones: "He sure has but he has to work sixteen hours a day."

Mrs. Smith: "Sixteen hours did you say? I thought he was a Union man and the Unions only let a man work eight hours a day."

Mrs. Jones: "Sure, but he belongs to two Unions."

\* \* \*

It's best not to tell people your troubles. Half of them are not interested. The other half are glad to hear you are getting it at last.

\* \* \*

Teenagers' Fashion-tips Department:

Q: What should I wear with green and pink striped stockings?

A: Hip boots.

\* \* \*

And there's the millionaire pretzel maker—he made a lot of dough by taking a little dough and giving it a new twist. —SHELBY FRIEDMAN.

\* \* \*

"I came in because I read your ad for a man to retail canaries."

"Good. Do you want the job?"

"Well, no, I was just curious. Tell me, how did the canaries lose their tails?"

\* \* \*

Teacher: "Now, Johnny, if I lay two eggs here and three over there, how many will there be altogether?"

Johnny: "Personally, I don't think you can do it."

Two judges were arrested for speeding. When they arrived in court, no other judge was present, so they decided to try each other. The first judge went up on the bench and said:

"You are charged with exceeding the speed limit. How do you plead?"

"Guilty," was the answer.

"You are hereby fined five dollars."

They then changed places and again the plea was "Guilty."

"H'm," said the other judge, "these cases are becoming too common. This is the second case of this sort we've had this morning. I hereby fine you ten dollars or ten days in jail!"

\* \* \*

"My wife says if I don't give up golf she'll leave me."

"Well, that is tough."

"Yeah, I'll miss the old girl."

\* \* \*

Customer: "I miss the old cuspidor since it's gone."

Bartender: "You missed it before, that's why it's gone."

\* \* \*

Jenson: "You say you're not bothered any more with relatives coming and staying? How do you do it?"

Benson: "It was easy. I borrowed from the rich ones and lent it to the poor ones, and none of them came back."

\* \* \*

Waitress: "Pardon me, but was yours 'ham and beans' or 'ham and eggs'?"

Diner (who has been waiting thirty minutes): "Why ask me now?"

Waitress: "Because we're all out of ham."

\* \* \*

Wife to frowning husband holding cancelled checks in his hand: "You mean the bank saves all the checks I write and sends them to you? What a sneaky thing to do!"

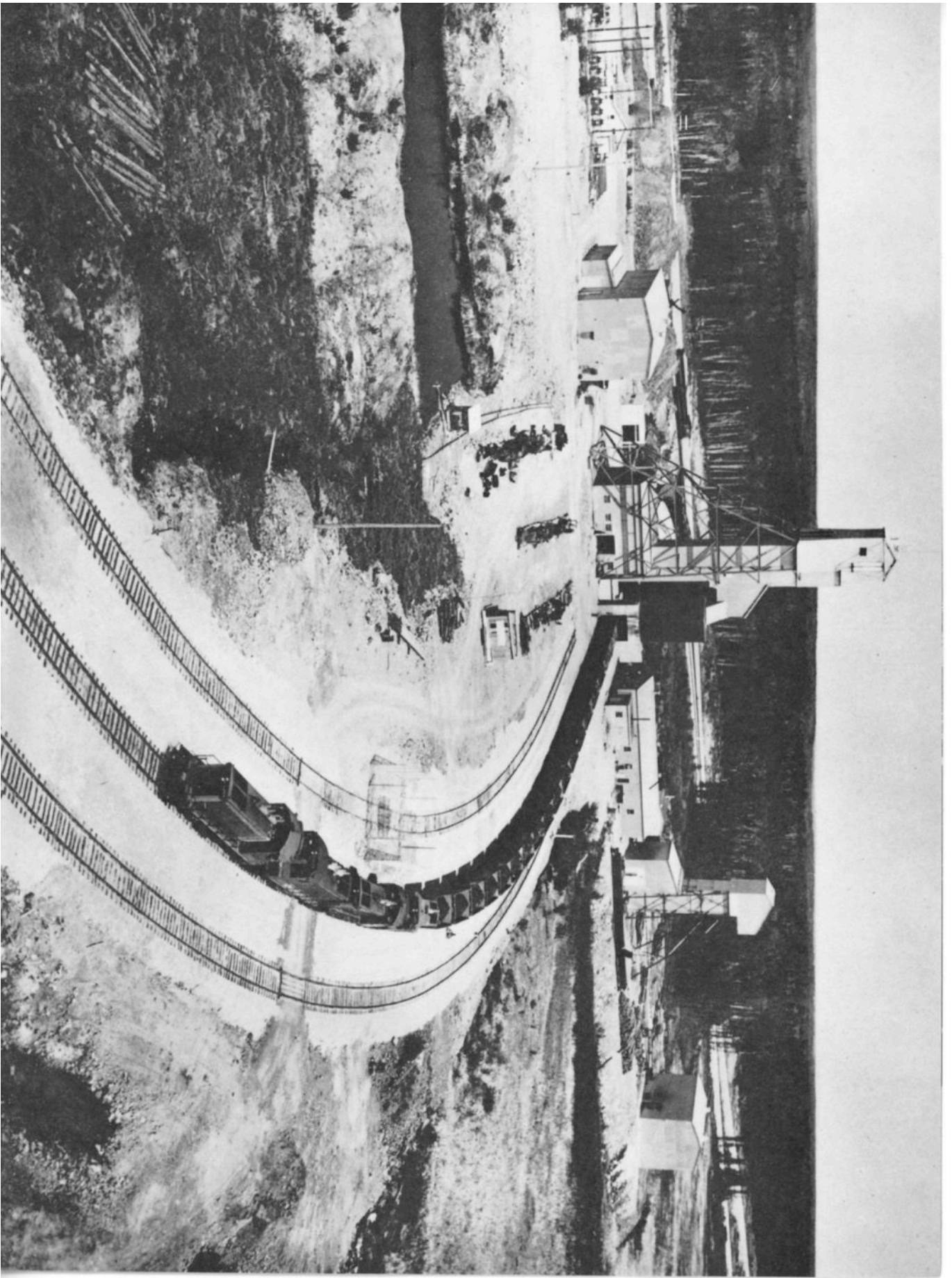
\* \* \*

Pastor (to 5 year old girl): "Do you say your prayers every night?"

Girl: "Oh, no," she replied. "Mommy says them for me."

Pastor: "What does she say?"

Girl: "Thank God, you are in bed!"



## WHAT'S AN EDUCATION GOOD FOR ANYWAY?

Just a lot of practical things . . . like a good job, a good salary, and a better share of the good things in life. You wouldn't want to do without any of them. But you may be forced to . . . if you settle for less than a good education.

A good education isn't a luxury today. It's an absolute necessity. With most employers, a good education is the first requirement for a good job . . . a good paying job . . . a job with a good future.

So, if you're in school now . . . stay there! Learn all you can for as long as you can. If you're out of school, you can still get plenty of valuable training outside the classroom.

**To get a good job, get a good education**