MINES' BASKETBALL TEAM MAKES GOOD SHOWING

WIN SECOND PLACE IN MONTANA'S CONFERENCE.

Review of Games.

MINERS BEAT NORMAL 32-31.

Two Free Throws Counted After Final Gun Let The Tie; Their Coach Costs Shot That Loses.

Dillon, Jan. 29.—(Special.)—Unquestionably the fastest and most interesting game of the season was played here tonight when the Butte School of Mines defeated the Normal college by a one-point margin, a gift shot by Dougherty deciding the issue and the game ending 32 and 31.

The Miners began the scoring and led 12 to 7 the first quarter, but three points were made in the second quarter, which ended 13 to 9, both teams playing a strong, defensive game. In the third period a rally by the Normals tied the score and altered baskets kept the scorers busy, the quarter ending 25 to 24. In the Miners tied the score and altered their defense was broken repeatedly. Dougherty and Sylvester starred for the Miners and Moe and Howe for the Normals.

Dougherty and Sylvester Put On Spurt Near End to Pull Ore Diggers Over Top, 33-23.

Dillon, Jan. 30.—(Special.)—The Montana School of Mines basketball team was successful in the first of its two-game invasion of the capital city, defeating the Intermountain University Panthers by a score of 19-17 tonight in the public school gym.

Intermountain played better ball than usual and held a fast team in check until late in the contest, when they cracked before a shower of attempts that the Miners' scoring machine bombarded their basket with. The Panthers were out in front by a 9-8 score at the half, but after making a fast start in the second period, they slumped and the ore diggers tied the count and then a 15-11 lead only to have it tied by the Panthers with about four minutes to go.

But the orange and blue combination had shot their bolt and the Mines pulled into a 19-15 lead, which was later narrowed down to 19-17. William Gregor, and Harold Johns comprising the team. The Teachers' trio included Mrs. Mary Mahr of Ovando, Miss Annie Hensley of Stevensville, and Miss Alice Bennett of Anaconda. The judges were Rev. C. F. Chapman, Earle Gensberger, and J. R. Thomas. Their decision was unanimously in favor of the negative, but they stated afterwards that the contest was close.

The speakers on both teams displayed much ability and considerable study of their subjects. In both constructive speeches and in rebuttal there was much give and take in the arguments. The visitors quoted many statistics and went into more detail than did the local collegians, but they did not show as much skill and readiness in adjusting their arguments to the debate while talking.

The Miners maintained that state regulation of child labor has been lacking in unity and in effectiveness. They showed that efforts to secure uniform standards of regulation for all of the states by Congressional action had been halted by adverse decisions of the Supreme Court and that an amendment must be passed before any uniformity could be secured. Such minimum standards, they argued, are necessary to protect many children who now have inadequate state laws to protect them, to secure economic equality among the business men of the various states who must meet child labor competition, and to prevent the Miners' basketball team from losing games.

MINERS OFF TO A GOOD START IN DEBATE

LOSE BUT ONE DEBATE SO FAR

The first intercollegiate debate of the year for the School of Mines squad was held on January 29 when a team of young women from Montana State Normal College stopped off in Butte long enough to take the measure of the Ore Diggers in a hotly fought argument. The contest was held in the Chemistry Lecture room with a fair-sized audience in attendance, many of them being visitors to the hill from people interested in the question under discussion. The student attendance was limited somewhat by the fact that so many had to leave to go on Friday night shift.

The Pi Kappa Delta national question was used, it being, "Resolved, that the constitution of the United States should be so amended as to permit Congress to regulate child labor." The Miners upheld the affirmative with Archie McPhail, Helen McGregor, and Harold Johns comprising the team. The Teachers' trio included Mrs. Mary Mahr of Ovando, Miss Annie Hensley of Stevensville, and Miss Alice Bennett of Anaconda. The judges were Rev. C. F. Chapman, Earle Gensberger, and J. R. Thomas. Their decision was unanimously in favor of the negative, but they stated afterwards that the contest was close.

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SWEATERS

The question as to whether or not the Mines debaters or partakers in forensics should be given a letter for their efforts has caused much comment lately. It is true that the man whodevotes much of his time to study debates to speaking, should in some way be compensated by the school for their efforts. Yet, why should the speaker or debater ask for a letter? Is he on par with the man who earns his letter in athletics? In some colleges, letters are said to have been given for work in foreign languages. The letter of Old English, to distinguish it from the letter obtained by lettermen in athletics. But why should the Old English letter be adopted? Is that not the letter used and given to girls for their part in athletics? Why should the speaker expect a letter usually given to girl athletics?

The speaker or debater admits the letter should be different from that worn by an athletic letterman. Why should it be different? For no other reason than he admits his field of work is different, therefore the compensation or award should likewise be different; and since the athlete gets a letter it follows that the speaker should not get one.

Why does not the debater and speaker form a society of speakers and debaters and then distinguish themselves by sweaters as the "Fangs," for example, of Boxerman? If they must copy, why copy from the athlete? Why should a letter for debating any more than for editing a college paper? If we are going to make the letter so common that it is not a special honor, then we cannot expect the athlete to work for, or appreciate, a letter when it is given to him.

STUDENT FEDERATION

The World Court campaign proper has passed into the realm of history. It would truly take a good-sized piece of historical investigation to ascertain the results achieved. We would not have time here to record the many by-products of the campaign, but there were two great developments which might be listed as such, though in importance they should be rated along with any phase of the campaign itself.

1. The National Student World Court Poll was the most successful of all student opinion polls ever taken; 130,000 students in 553 different institutions voted. Whereas the students voted to one in favor of the United States entering the World Court, the ballot was no landslide and the variety of opinion and the varying vote in different colleges and parts of the country showed that students were thinking and did have very definite opinions.

2. The National Collegiate World Court Conference at Princeton was perhaps the first truly national STUDENT conference. The World Court Committee had nothing to do with it, nor did any advisory committee of Faculty or other "Elder Statesmen." All of the arrangements were made by student committees. The delegates were students elected by students.

Practically all of the conference was given over to student discussion and the first great move toward a National Students' Federation was made. One of the articles of this Federation is: "That student opinion shall be the final determining factor in deciding whether the United States to give consideration to questions affecting student interest."

To develop intelligent student opinion on questions of national importance.

3. To foster understanding among the students of the world in the furtherance of an enduring world peace.

Judging from reports received from National Headquarters from individual colleges and student World Court committees all over the country, the students of America are coming to keep up their interest in national and international issues. They seem to feel that there is a real need for thinking through problems that are bigger than the usual campus ones.

They welcomed the World Court campaign as giving them the opportunity of taking the first step in the new responsibility which students are assuming.

This was clearly shown by an editorial in the University of Washington Daily entitled, "Why Stop With the World Court?" suggesting that ten hours of current events a graduation requirement in every school and college of the University. The delegates at the Amherst conference called upon their students to suggest that the entire student body of America urge Congress to appropriate at least as much money as is now being spent on the R. O. T. C. for exchange schools, for students from other countries. The result of students of other countries and the students of the United States.

The report from Wilson College (Chambless, Pa.), in speaking of the National Student Poll, says:

"We know that at Wilson College it has made us realize that there is something outside the campus and we are hoping that after the debate on the World Court in the Senate, the enthusiasm will not die down."

JUNIOR NOTES

There are two fellows that have a circus. Don't get too sure; it's not Barnum & Bailey, Ringling Brothers or Nesbit & Tanner. It is none other than our own Mayo & Wendel.

Mayo, can't you hold onto those pictures? Every time Don gets a gang to pose someone steals the exposures. Not only that, but every time Godfrey Walker, the Juniors' understudy in geology, sees the pictures of the co-eds, he utters a sigh and has Mayo puzzled.

It's tough when a fellow must peer through a high-powered microscope to see a strain you're thinking they don't think Eno is over-worked.

This balmy weather has affected Goddard considerably. "Come on in, the water is fine," was the answer he gave a young lad contemplating a course in hydraulics.

SOPHOMORES

The members of the Sophomore class would like to get acquainted with anyone who has a cure for spring fever. Masters and Boyce were the first to be stricken with the dread disease. The rest of the class are among the clutches of the fever with the exception of Spanbuhl.

Bullwinkle, the vice-president of the class, has gone to Seattle to join his parents. He is going to enter the U. of Washington for the spring quarter.

The Atlas Mining Co. was incorporated last Friday at the meeting of the sophomore English class. Don Noel acted as president of the company, while C. H. Spaulding acted as vice-president. Engineer O'Toole gave a report on "Contract Wage Versus Day's Pay." He recommended that the company adopt the day's pay system. The report was accepted.

The Sophomore dance will be given soon after Lent. The plans have not been completed as yet, but the committee in charge guarantees that it will be a very jolly affair.

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OUR UTILITIES LEAD THE WORLD

The per capita use of electricity in the United States is approximately five times that of Great Britain.

The United States leads the world in the production and use of electrical energy, because of the vigor and enterprise of American privately-owned electric utility companies.

This country consumes nearly 500,000,000,000 kilowatt hours of current a year. With the increasing use of electricity in the United States has come a steady increase in the size of generating units and boilers. Compare with the 50,000 kilowatt steam turbine of today, the 4,000 kilowatt steam turbine of twenty years ago looks like a teakettle.

THE MONTANA MONTANA MONTANA POWER COMPANY
SHIRLEY CLOTHES SHOP - 14 NORTH MAIN

FRESHMEN

The Freshman class has sadly dwindled since the last issue and the scandal and gossip has dropped off accordingly. We are still able to stagger around after our first dose of exams, at school. We expected something difficult and we were not disappointed.

Well, spring seems to have an early start this year and the Frosh are taking a good look at the “M.” Perhaps they vision the long, hard climb that will be our next initiation.

The Freshman debate team are warming up, getting rid of charley horses and bad eyeteeth in preparation for the high school.

We had two Freshman entries in the baby contest at the Rialto: Wirak and Tammany Hall Murphy. All members of the class who were taking the frau out took her to the Rialto and gave one of our entries a few votes.

Murphy: “Oh, Syl, I thought you told me you spoke every language except Greek?”
Syl: “Syl, I did.”
Mr: “How come you didn’t understand the French that that girl was using?”
S: “Oh, that’s Greek to me.”

We hope that Poky brings Lenore to a few more Mines dances, as we would like a few dances with her.

We hear that Powell is going to select the queen of the H. S. Prom this year. It is rumored that his favorite gun is a Winchester.

The annual battle between the Tapp Haifa Kegga and the Damma Damma Righta was fought last night. Selfridge led one crowd, while the ferocious Johns led the other. The battle was fought with coconuts, as usual. Selfridge was counted out when he insisted on stopping the war with his head and Johns rang it up for a quarter.

The M. S. S. M. has decided to put a curling team in the field. It is captained by Maye. The other members are as follows: McGregor, Thompson and a Scotchman named Kafilski. We earnestly solicit your support of this team. Anyone wishing a game can have same by calling Prof. Scott.

The Freshman editor received the following this p.m.: “Dear Sir: Would you please print the following in your next issue? Man of my dreams, your fair face beams thru my fantasies night and day. Shiek of the Mines, with your various lines, you stole my heart away. With your glide and your slide through the steps we go (tho' the boys in the balcony call you slow). But I like your line and I tell you, Bo. You’re the kind of a fellow for me.”—L. O. B.

Editor’s Note: We don’t know who the lucky fellow is, but we are glad to see that people are taking advantage of the opportunity that is offered for communication in this paper. We hope that the boy will send his answer in the next issue.

CO-ED NOTES

It has been a long time since the last issue of this esteemed publication, hence there should be a lot to record in “our” column. The fact is, everything that happened was mean enough to come at the wrong time to make it news now.

The dance has come and gone. That is, it has come and gone in view of the passage of time—otherwise, it is far from being a “dead memory.” For sake of recording, and for record in “our” column. The fact is, everything that happened was mean enough to come at the wrong time to make it news now.

The next thing to appear on our Club Calendar seems to be one in which there is predominance. Not much explanation needed here—everyone knows the occasion, though perhaps not the date. It is to be on “M” day in May. This is one affair from which no one will be absent. We’re all willing to wager that:

Speaking of — “[!?!]—, have you heard this one?
Max, by chance, ran into Henry Carman one day and having nothing else to say, inquired:
“We are going to have Browning for English today, aren’t we?”
Whereupon this answer was uttered:
“Oh! Are we? What happened to Mrs. Converse?!”

In the Houghton Line, which is a pamphlet written by the president of the Vim Belting Company, there appears a definition of what we all hope is simply an expression of the price at which the ball—college bred. It states that it is a Four Years’ Loaf. We suggest that Mr. Carpenter (the president-editor) try four years at the Montana State School of Mines.

Speaking of definitions, Metz is an original thinker. According to him a physiological infirmity is “When one is not all there.”

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TAILINGS

We hear that Sylvester and Powell have something in common. Said something is in Dillon. How about it, fellows?

We see that a lot of the boys are brushing up their date books—must be a new co-ed in school.

Jones has been attending the basketball games quite regularly. Alice is also in attendance the nights that he is there.

We hear that the school has been having a LITTLE co-responderence with Dillon. How about it, Gene?

The school has decided to run a special train to a few small towns for the convenience of the students. Two towns have already been added to the list, Dillon and Helena.

Two boys from Butte had just passed over, On looking the scenery over, one of them remarked: “Why, this isn’t so good for Heaven. This isn’t much better than Butte.”

“Sh-h!” replied the other. “This isn’t Heaven.”

The story is told of Prof. Scott’s first game of golf. Prof. Scott and a good Irishman named Cohen had bet five dollars on the game of golf that they were playing. They had reached the seventeenth hole and the game was tied. They drove from the eighteenth tee and the professor’s drive set the ball on the green. On coming up to the green, he couldn’t find the ball. Cohen remarked: “Remember, only five minutes to find it.”

Scott glanced wildly around for four minutes and finally shouted, “Here it is.”

Cohen replied: “You let that ball fall from your pocket, you cheat. How could you find it when I’ve got my foot on it?”

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BASKETBALL REVIEW
(Continued from Page One)
kins of Intermountain was high point man of the contest with 10 points garnered on four spectacular field goals and a pair of fouls conversions. Sigler of the Mines was second high point man on the contest, as well as the leading offensive player of the Miners.

The game was draggy at times but speeded up toward the end of the contest, putting the fans in an uproar only to have them disappointed when the further offensive was put out and allowed the Mines to toss two field goals in the last two minutes of play to cinch the contest. Although the visitors missed three free throws in the last minutes on chances for more of a lead.

MINERS SWEEP HELENA SERIES
For First Time in Many Years Locals Beat Mount St. Charles There; Midget Win by 21 to 18.

Helena, Feb. 6.—(Special) — A snappy little team from the Montana School of Mines defeated the fighting saints of Mount St. Charles by a score of 21 to 18 in the St. Charles gym. The ore diggers passed to perfection and their efficiency in this department of the game was chiefly responsible for their victory, although they outlacked the Saints at the hoop.

It was a closely contested game from start to finish and never saw either side gain more than four points in the lead, both sides having and losing it a number of times during the contest.

The green machine from Butte district played a neat game at all times, making sure passes and showing a splendid defensive strength. Led by Bullwinkle and Sigler, they had a surprisingly fast moving offensive which carried them to the net on many occasions.

Murphy, a former Miner, was the Saints’ star, while Haggerty, Jovick and others played hard. O’Rourke was not up to his best work, although he played a creditable game. The real star of the Saints was the flashy little Beardon, who did the bulk of the offensive work.

ORE Diggers Pull a Fast One on the Techs
Unlock Magnificent Defensive and Win From Idahoans, 28 to 16.

Miners pulled a fast one on the fast Idaho Techs last evening. They swamped the Techs, 28 to 16, at the Mines gym. A terrific offensive, in which Coach McAuliffe used every man in his squad was too much for the Idaho visitors. The defensive was also speedy and when the Techs neared the baskets they were rushed, or found the caged bottled up.

Sigler was the pacemaker. He shot six from the field and one from the free line. Peterson, right forward for the visitors, was their best bet on the scoring. Teches touched the baskets successfully from the field only five times and earned six points on shots from the free line following fouls.

Montana led, 17 to 9, at the end of the first half. Sigler, Dougherty and Thomson continued in an offensive during the second half while the Miners dropped in only one field goal and finished their scoring on free tries.

The Ore Diggers showed the improvement they promised. Competition has brought out stellar play in all departments and McAuliffe’s proteges may be looked on as real contenders for any of Montana’s collegiate fives during the remainder of the season.

ORE Diggers Top Panthers
Flaky, Midget Collegiates of Butte Continue Basketball Sport, Besting Old Rival by 28 to 14.

Coach Charlie McAuliffe’s midget basketball stars representing the Montana State School of Mines chalked up another victory on the home court last night. The Miners made it a clean sweep in athletics for the season on their old Panther rivals from Intermountain Union college at Helena with a 28 to 14 victory. Last week the Miners beat the Panthers at Helena by 19 to 17 and last fall scored an upset victory at football over the Panthers at Helena to win on all sport counts in the dual for this school year.

Sigler led the scoring for the Miners last night with four field baskets and a gift goal, for nine points with Doherty and Sylvester each adding five to the local cause. Wilkins led the Panther scoring with seven points. Sigler for the locals and Rust for the visitors set what is believed to be a collegiate record in that each missed six free throws. Sigler counted when fouled a seventh another Central vet., counted two and Thompson continued in an offensive throughout the remainder of the season.

Miners Jumped into an early 6-0 lead and weathered a counter attack to lead at half time by 15 to 9. In the last moitly the Miners started strong again and were leading by 18 to 10 when the Hill Toppers made their big bid. The visitors pulled up to the short end of an 18-17 count before their spurt was stopped by a one-man stand by Bullwinkle, who dribbled across the floor twice and with still none to pass to wound up a high toss that sailed through the hoop without touching sides or backboard and which sewed up the game.

Bullwinkle High Scorer
Bullwinkle took the scoring honors for the evening with 10 points. Doherty and Sigler, his offensive mates in the local attack, worked with him well to account for the rest of the Miners’ points.

Bones O’Rourke, who used to play with Bullwinkle for Butte Central high here, led the scoring for the Hill Toppers with six points. Jovick, another Central vet., counted two and Murphy, an old Butte high ace, counted four, the Butte trio counting 12 of the visitors’ 19 points. Bearden, sensational guard for Anaconda high last year and the boy that put the Hill Toppers over for a surprise football victory over the Miners last fall, was the outstanding floor man of the game, his individual efforts almost countering superior team work of the locals in a well-timed short passing game to get the ball within scoring distance.

Champion Bobcats Top Miners, 40-14

Cottam Sets Pace for Winners, Sigler and Sylvester for Losers.

Bozeman, Feb. 13.—Montana State College defeated the Montana School of Mines, 40 to 14, in a slow game of basketball here tonight. Both teams used small men after the first minutes of play. Williams, Yaldell and Cummins playing first varsity game on the home floor for the Bobcats this season.

Cottam led the scoring for Montana State college with six field goals, Sigler and Sylvester each taking two for Montana Mines. Both teams were careless in free throws, the Bobcats converting two points from eight attempts, the Miners two from nine attempts.

Sigler and Sylvester were strong on defense for the Miners, Breedet, performing as a star on the Bobcat defense.

School of Mines Glee Club Reorganized

The School of Mines Glee Club was reorganized at the beginning of the semester, under the direction of Katherine Baird Sullivan, and since then has been working steadily on numerous selections to be given on various occasions this spring. The Glee Club consists of a varsity quartet, and a chorus of twenty or more male voices that promise some fine entertainment in the future.
The Freshmen debaters had their big time Sunday afternoon, March 7, when they tangled with the high school forensics representatives before the Butte Open Forum. When it came to attracting a crowd, arousing excitement, and getting all kinds of publicity, the Fresh put it all over anything the varsity has done lately. The papers the next day gave them big headlines or front page space, part of which was offset by mistakes made in the stories themselves.

The contest was arranged to keep the high school team in practice before their appearance in the state high school contest, and to let the Freshmen get experience and practice. There was to be no formal decision of judges, but an audience decision that would let the Butte team score points for their debate, was upon just the argument brought. That this audience decision would be in favor of the scholastics was evident because a public speaking class in considerable number was there taking notes.

The surprise of the afternoon was the crowd that was attracted by the event. A complete absence of objections and of seating and standing room in the hall at the Butte Y. M. C. A., where the Open Forum meets, was occupied.

Applause for the speakers was frequent as they made some telling argument and when it came time for the audience to ask questions, so many were on their feet asking for recognition that only a small part of them could get a chance. Evidently the Butte people are interested deeply in the proposition and will turn out to hear it argued.

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Principal with Intermountain, Mount St. Charles is sending its team to Butte to argue the repeal of the 18th amendment, a question full of interest at the present time. The Butte high school presided, handling the position in his usual fine style. The open forum style of conclusion was adopted with the audience being allowed to ask each side five questions which must be answered by some member of the team.

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Joseph Newton, Tom Hosty, and William Neherbon, comprising the Butte high team, are all good talkers and unusually at home before an audience. They had the affirmative of the question and their argument took the line of attack on the present enforcement of the prohibition laws more than anything else. Their talks were interesting and in accord with the opinion of many in the audience, that the amendment was a mistake and that it would be for the better if the 18th amendment were repealed. The rebuttal speeches were spirited and at times almost heated with the Miners in the opinion of experienced judges of debate having considerably the better of them.

The vote of the audience present was 60 to 52 in favor of the high school's being the better debaters and 55 to 48 in favor of their side of the question. The debate and the questions were, as has been previously mentioned, the subject of big headlines and long write-ups in the Monday papers. That they charged the Miners varsity with an unearned defeat, is now credited to the papers in the error column with big headlines and in accord with the comment from all Mines students.

ORATORICAL CONTEST

The first call for contestants in the School of Mines Oratorical Contest was issued last week by Professor Scott, who has this activity in charge. In all probability the date will be set for the second week in April, thus allowing about five weeks for those who enter to get their orations written and polished up for delivery.

The winner of the School of Mines contest is chosen to represent the institution at the state oratorical contest which this year is to be held at Missoula under the auspices of Montana State University. The same rules prevail for the two events. The orations must be upon some subject of present interest, must run between 1500 and 1750 words in length, may not contain more than 200 words in direct quotation, and must be the original work of the contestant except for suggestions and minor criticisms. The time limit on the delivery of the oration is set. Copies of the completed work are submitted for inspection before the contest. The decision is made by three impartial judges selected for their ability. In addition to the honor of representing the School of Mines at Missoula, the winner of the local contest will receive a gold medal, while silver and bronze medals respectively will be awarded to the winners of second and third places. These medals have arrived and are on display.
New metallurgy laboratory now available.

Students in the metallurgy classes now have at their disposal an additional laboratory in the Metallurgy Building, Room 03, for assaying, roasting, and other high temperature work. This laboratory, just completed in January, now adds to the School of Mines' already unsurpassed facilities as a technical educational institution.

A case oil furnace serves for assaying, roasting, and similar experimental work that requires a temperature not greater than 1000 deg. C. This furnace has two QQ muffles heated by oil burners. The fan for the burners is run by a high-speed (3600 r.p.m.) induction motor. A working temperature of 800 deg. C. can be attained in fifteen minutes by expert manipulation. (See Godfrey Walker for details.) It is now there-fore possible for students to become acquainted with the operation of an oil furnace as well as with the standard coal-fired muffles. All of the other facilities for assaying, such as anvil blocks, hammers, tongs, reagents, students' desks, balances, hot plates, and hoods, are arranged in the laboratory for the greatest convenience and efficiency.

For high temperature work there has been installed a Hoskins electric Crucible Furnace, Type FC 102. This furnace uses 1000 amperes at 12 volts, so a transformer is required. The switchboard is equipped with a Weston A. C. ammeter, electric switch and a magnetic circuit breaker. The resistance of carbon plates to the passage of the current generates the heat; the amount of current flowing is controlled by the pressure of the carbon electrodes on the plates. The heavy copper electrode-holders are water-cooled. The furnace produces a temperature as high as 3800 deg. C. (which can be reached in about three hours), and therefore adapts itself to the melting of high-m.p. metals and alloys, and to the determination of the fusion points of coal ash, slags, and clays.

The appliances for piping oil to the muffle furnace and cooling water to the electric furnace must be attributed to the resourcefulness and inventive ability of Mr. Haley.

EVANS' ADDRESS TO ALUMNI

(Continued from Last Issue.)

The first trenches are put in close and on each side of the creek and continued across the valley until the hill sides or banks are reached. These trenches are usually ten meters long and one-half a meter wide. But wherever the over burden is deep and inclined to run, due to quicksand, water, etc., the top part of the excavation is enlarged though the cut for the gravel is not changed. Wherever more than one trench is required on one side of the creek, there is a meter of solid ground left between the second and first, and the third and second, and so on.

The trench of lowest elevation is first dug, and this is usually the one nearest the creek. When digging the next trench, the first trench is opened up to the creek; and thus affords the surface water collecting in the second trench a chance to drain away.

I might add here that this kind of prospecting for six months of the year is carried on in water and slimy mud, often up to the knees. It is a fixed rule that whenever removal of gravel from a trench is commenced, it must be finished that day and the bed rock scraped. Unless this is done, the following day will see the trench filled with silt and sand, which discounts the chance of obtaining an accurate sample. The entire sample from every trench is washed and sized, even though the sample is of several cubic meters in volume.

(The To Be Continued.)