



Vol. 2, No. 9.

July, 1944.

"What C. & H. Folks Are Doing"

C. & H. TO PURCHASE KEWEENAW PROPERTY

STOCKHOLDERS APPROVE SALE OF LAND AND K. C. RAILROAD

Purchase of the lands and personal property of the Keweenaw Copper Company by the Calumet and Hecla Consolidated Copper Company was approved at a special meeting of the stockholders of the Keweenaw Copper held in Duluth last Monday. The purchase involves 34,544 acres of land in Keweenaw County and all of the capital stock of the Keweenaw Central Railroad Company and is another step by Calumet & Hecla in its program of exploration and development of mineral lands in the peninsula. In addition the property contains considerable timberland.

The Keweenaw Copper Company lands adjoin the present holdings of the Calumet & Hecla upon which considerable exploratory activity has been carried out in recent years.

The purchase price of the Keweenaw lands and personal property is 62,768 shares of the common capital stock of the Calumet & Hecla Company. The stock consists of shares already authorized but as yet unissued.

The transfer of the property includes the Keweenaw Central Railroad Company, a small part of which has been under lease for the past several years. Some of the best summer resort lands in the Upper Peninsula are also included in the property to be purchased. The transaction will make present stockholders of the Keweenaw Copper stockholders of the Calumet & Hecla and leave in the hands of the Keweenaw Company the cash, bonds and other securities owned by the company as of May 31, 1944. The action taken at the stockholders' meeting is a step toward liquidation of the assets of the Keweenaw Copper and distribution of the proceeds to the shareholders of the company. Legal steps are being taken to consummate the sale.

WAR PICTURES ARE SHOWN FOR COMPANY EMPLOYEES

Cooperating with the Signal Corps of the U. S. Army, the Calumet and Hecla Consolidated Copper Company entertained its employees at theatre parties on July 19th and 26th, showing a matinee and two evening shows each day. Pictures shown were uncensored war pictures taken by the U. S. Army and were shown here exclusively to Calumet & Hecla work-

ers and their families free of charge.

The Calumet theatre was chartered for each occasion and the attendance at the several shows evidenced the keen interest our folks have in the war effort. In order to see that Keweenaw and Torch Lake employees and their families were able to attend the performances arrangements were made for additional transportation facilities on the days when the show was staged. The program at the three shows on July 26th was different than the pictures shown on the previous date and a great number of our people took advantage of the oppor-

tunity to see both shows, giving them a more intimate view of the activities of our armed forces in training and in actual warfare.

GARDENS DRAWING ATTENTION

Victory gardens of C. & H. employees are attracting considerable attention and several very outstanding plots are to be found in the vicinity of the company plants. Some employees have reported unusual incidents concerning their Victory Gardens and everyone is invited to advise the News-Views of any special feature in their gardening project.

The inspection of the gardens will take place some time before the harvest season and everyone who is interested in the contest is advised to notify his foreman.

ABSENTEEISM IS INCREASING

Absentee records for the month of June show a slight increase in the total over the preceeding month. However, the number of shifts lost for unknown reasons was considerably less than in May. This is a definite step in the right direction.

Kearsarge once again lead the underground departments with the best record and the Machine Shop replaced the Blacksmiths at the head of the list of the surface branches.

The following table shows the standings of all departments for the month of June. In computing the percentages, all shifts lost, regardless of the cause, are counted.

Underground Branches:

Kearsarge	5.3
Centennial	7.2
Allouez	7.3
Ahmeek	8.5
Iroquois	9.9
Central	12.9

Surface Branches:

Machine Shop	0.1
Electricians	0.9
Foundry	1.8
Construction, etc.	2.5
Ahmeek Mill	3.1
Tamarack Rec.	3.2
Lake Linden Rec.	3.4
Motive Power & Railroad	4.0
Smelter	6.6
Blacksmiths	8.0

Total..... 5.9

ACCIDENTS INCREASED

According to figures supplied by the Michigan Survey there has been an increase of 47% in the number of skilled workers injured in Michigan during the first half of 1944. The number of minors injured increased 300%. Forty percent of the injuries occurred in Wayne county and another 40% in the other 17 industrial counties. Injuries increased more than 25% in Oakland, Macomb, Washtenaw, Ingham, Muskegon, Dickinson and Houghton counties.

WOLVERINE TUBE PROMOTIONS

D. W. Blend was recently promoted to the office of manager of the Wolverine Tube Division of C. & H. and W. R. Rogers has been made superintendent of the Tube Mill.

22 INCH DREDGE DISCHARGE PIPES



Dredge discharge flows through these pipes to Storage Pool at Shore Plant. Note overhead power line; also the genial Master, Oliver Baril, who has had charge of dredge and discharge lines throughout the thirty years of operation.

C. & H. News-Views

Published Monthly By The
Calumet and Hecla Consolidated
Copper Company

In the Interest of Its Employees.

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P. O. Box 231, Calumet, Michigan
News and Views of Michigan's Great
Copper Mining Company and its
Various Branches.

Vol. 2. July, 1944. No. 9.

Editorial.

The offer by Calumet and Hecla to purchase the entire lands of the Keweenaw Copper Company, if consummated, will add 34,544 acres to its important mineral holdings. This is further evidence that Calumet and Hecla is striving to perpetuate its life, as well as that of the community.

Since 1936 the following purchases of mineral lands have been made by Calumet and Hecla:

LaSalle Copper Co.	2,400.00	Acres
Knowlton Property,		
Ontonagon County	396.03	"
Ropes Gold Mine	80.00	"
Ojibway Mining Co.	3,000.00	"
Estivant Lands	2,435.29	"
Manhattan Lands	159.49	"
Miscellaneous	442.58	"
Michigan Mine	11,748.00	"
Keweenaw Copper		
Co. (pending)	34,544.71	"
	55,206.10	"

Peninsula Copper		
Co. operated under		
option agreement	2,811.40	"
Douglass Copper		
Co. operated under		
royalty agreement	440.00	"

58,457.50 Acres

Funds required for the express purpose of exploring these properties will come mainly from cash on hand. The wise policy of conserving cash for the search of new copper deposits and for financing the Company thru a probable postwar slump is now becoming apparent.

WANTED

Lessons on how to space and plant fruit trees—by Willard Cadwell.

A package of gum—by "Dave" Krause.

A good reliable alarm clock—by "Rudy" Myers.

Instructions on how to build a wooden box—by William Sibilsky.

Some new whistling tunes—by Irving Dulong.

To Rent—a house trailer—by "Billy" Piche.

Bigger and better safety records by every department and shift—such as the records that are being made by the Lake Linden Power Plant, the Calumet Electrical Department, the Lake Still House and the shift under the supervision of F. Nordstrom at No. 3 Ahmeek.

Vitamin tablets—by Fred "Swede" Mattson.

Job as housekeeper, experienced and good references—by Louis Pastor, Jr.

Pictures of those big fish that you are catching.

Pictures of men who have left the

employment of this Company to serve with the Armed Forces of this Country—by J. W. Alt.

A good summer cap—by John Waara of No. 3 Allouez.

A timber stretcher and a timber bender—by "Jake" Bencich.

A package of gum—by "Gus" Erickson.

Tempered spikes—by Frank Klarich, "Jake" Bencich and Kermit Bryant.

A permit to attend a safety party—by George Tornuff.

Your ideas and suggestions on how to improve the safety of your department, shift or shaft.

A package of cigarettes—by Willard Cadwell.

A picture of Kermit Bryant wearing that special fancy belt.

A mirror to be used on a pumping job.

A picture of Andrew Oja wearing that western hat.

A job as a mason—by Gabriel Baratono.

Carpenter jobs—porch building a specialty, speedy reliable work—by "Jim" Simon and Elmer Isaacson.

Work gloves and candy bars—by Walter Hamel.

An oil can with a long spout—by Azarie Versaille.

A pair of overalls with extra pockets—by Joe Jobin.

A little more pep—by Clayton Richards.

Everybody working safely every day.

Boys and Girls

Mr. and Mrs. Victor Lehtola are the parents of a daughter, born June 17, 1944. "Vic" is a miner at Kearsarge.

Mr. and Mrs. Carl LaBelle are the parents of a son, born June 20, 1944. Carl is employed as a tractor driver in the Construction department.

Mr. and Mrs. Alfred Granroth are the parents of a son, born June 21, 1944. Alfred is employed as a scrap-er boss at the Ahmeek Mine.

Mr. and Mrs. Toivu Tulku are the parents of a daughter, born June 23, 1944. Toivu is a Kearsarge miner.

Mr. and Mrs. Wilbert Koopikka are the parents of a daughter, born July 1, 1944. Wilbert is a drift miner at our Iroquois Mine.

Mr. and Mrs. Hubert Roux are the parents of a daughter, born July 5, 1944. Hubert is a carpenter in the Construction department.



Adolph Hanner—Smelter refinery man. 40 years of continuous service about evenly divided between the Ahmeek Mill and the Smelter.

ORANGE BLOSSOMS BLOOM AT WOLVERINE PLANT

When Helen Near and Herbert Donnell, both employed on the midnight shift at the Wolverine Tube Division of C. & H. in Detroit, met on the job, an acquaintance grew into romance which led to the altar one bright morning last month.

Helen and Herb are popular employees and the other members of the midnight shift decided they would celebrate the wedding at an early morning party in honor of the newlyweds. The 2:30 A. M. lunch

hour on June 26, became a festive affair when the wedding vows were repeated and a breakfast enjoyed by the entire personnel of the shift.

The wedding table, abloom with flowers and centered with a large wedding cake was surrounded by the entire group. The bride cut the cake and everyone ate the piece de resistance. The forty minute celebration concluded with a toast to the newlyweds after which all resumed their work at the plant.

The bride is a crane operator in the brass mill and the groom is a group leader in the final inspection department.



COPPER CITY RED CROSS WORKERS



Seated: Mrs. Henry Curtis, Mrs. Natalia Chopp, Mrs. John Ferkovich, Mrs. William Stimac and Mrs. Matt Belobraidich.

Standing: Mrs. Ed. Briskey, Mrs. Virginia Spelich, Mrs. Albert Yowell, Mrs. Thomas Silick, Mrs. Arthur Kytta and Mrs. Ralph Paskvan.



Seated: Mrs. Joe Murvich, Mrs. Earl Wuestneck, Mrs. John Olkkonen, Mrs. Waino Kauppila and Miss Ruth Peters.

Standing: Miss Leatrice Nordstrom, Miss Betty Kytta, Mrs. Nicholas Patrick, Mrs. William Rost and Mrs. John Peters.

Mrs. Ralph Paskvan is the chairman and the assistants are Mrs. Arthur Kytta and Mrs. Nicholas Patrick.

... NEWS AROUND THE MINE ...

A fine Presenteeism record—Tony Mesich in the last three years has lost only one shift from work and that was lost because of a bad snow storm. Tony is tramping at No. 4 Kearsarge, and the copper he has pulled out of the stopes has certainly been a big help in winning this war.

The man with a friendly greeting—Antti Palkki.

On July 6th, the employees of the Lake Still House completed 5,000 days without a compensable accident. Our congratulations to the men of this department on this wonderful record in accident prevention. It is a record that every man in this department can be mighty proud of.

For Sale—extra early tomatoes and Bermuda onions.—by "Sammy" Lucchesi.

On June 25th, Sam Lark, while trolling on a small lake with a bamboo pole, caught a fifteen pound pike.

Help yourself to more safety—it's free.

Our congratulations and best wishes to Mr. and Mrs. Joseph Kobe, who were married on June 14th. Joe, who is employed with the Calumet Electricians, took as his bride, Miss Florence Modrok. They will make their home in Laurium.

On June 28th, Wilfred Koivu caught fifteen speckled trout weighing seven pounds.

A man who keeps his promise—Albert Hill.

Pvt. Cleo Beaudoin was recently home on a furlough. Cleo, before entering the Army, was one of our painters.

Some people have all the luck, ask Jack Haller.

John Haischer was a recent visitor at Atlantic, Michigan.

Are you writing to those boys "over there?" Remember they are always glad to hear from you and are anxiously waiting for your letters.

On June 26th, on his way to work on the railroad track near No. 3 Allouez, Glenn Kario saw a large black bear.

The davenport farmer—Fred Ziems.

Lost—one new dark gray hat—reward to finder.—Delore Pelland.

On July 20th the men on Fred Nordstrom's shift at No. 3 Ahmeek completed 1,800 days without a compensable accident—a wonderful underground safety record. Their last compensable accident was on August 17, 1939.

Favorite back yard sports—hunting rats—by Earl Pearce of Lake Linden.

For Sale—Extra large eggs—by "Dick" Johnson.

Take care of your eyes, they are the only ones you have and you can't get new ones. Wear your goggles.

Our congratulations and best wishes to Mr. and Mrs. Arthur Hill, who were married on June 24th. "Art", who is employed at the Central Exploration, took as his bride Miss Anne Medved. They will make their home in Calumet.

Sam Lark in the last three rabbit hunting seasons has shot 150 rabbits.

The Allouez No. 3 geologist—Frank Perona.

Since October 1st, 1943, the em-

ployees of the entire Lake district, which consists of the Lake Reclamation Plant, the Smelter, the Ahmeek Mill, and Tamarack Reclamation has had only one compensable accident.

On July 2nd, the employees of the Lake Power Plant and Sub Station completed 5,200 days without a compensable accident. Their last compensable accident was on April 17th, 1930.

Our congratulations and best wishes to Mr. and Mrs. Peter Muvrin who were married on June 24th. "Pete" who is employed as a watchman, took as his bride Miss Josephine Petronovich.

On June 25th, Roy Charrier and John Cima each caught their limit of brook trout.

Safety is a very essential part of your job.

Another good Presenteeism record—In the last five years, William Harry Hicks has not lost a shift from work. For the last two years, Harry has been employed as Captain of Central Exploration.

"Jack" Rowe, the Swedetown booster, says that one of the latest good reasons for living in Swedetown is that there is good fishing right within the "City" limits.

Alfred Winquist sends the News-Views to his son, James, who is a radio technician in the Army Air Corps and is stationed somewhere in England. "Jimmy" enjoys seeing the pictures of his many friends.

On July 2nd, John DeFilippi caught six german brown trout. One was 14 inches long.

Clay modeling a specialty—by Frank Klarich.

Our congratulations and best wishes to Mr. and Mrs. Carl Gronlund who were married on June 18th. Carl, who is employed as a shaft mucker at Iroquois No. 1, took as his bride Miss Ruth Dextrom. They will make their home in Calumet.

The underground shift under the supervision of "Jack" Rowe at Peninsula on July 15th completed 711

days without a compensable accident. These men have only 20 days to go to complete a two year safety record. Your contributions to the News-Views are always greatly appreciated—let's hear from you.

Don't forget to make every day a safety day; your family, your friends, your Country, and the boys "over there" expect you to work safely. It can be done and the many fine safety records that are being made prove that you can do it.

A letter was received recently from Pvt. Rudolph Kaura who is somewhere in France. "Rudy" formerly worked at Iroquois No. 1. He just received several copies of the News-Views and enjoyed reading them. Would greatly appreciate hearing from some of the boys. His address is Pvt. Rudolph Kaura, 36831040, Co. E., 358 Inf., A.P.O. 90, c/o Postmaster, New York, N. Y.

On June 28th, Mr. and Mrs. Joseph Belisle, Sr., celebrated their 40th wedding anniversary. They were honored and surprised at a party held at the home of their daughter and son-in-law, Mr. and Mrs. Ray Fontaine. "Joe" is employed at the C. & H. Coal Dock and has been employed by the Company for 28 years.

The only people who really enjoy hearing your troubles are lawyers. They get paid for it.

FIND 700 POUND PIECE OF MASS COPPER

Unearthing a 700 pound piece of mass copper while plowing a piece of ground preparatory for planting, was the experience recently of two Raymbaultown men. The land, owned by C. & H., had been leased for the past fifteen years and a crop of potatoes raised on it each year. When the plow struck the obstruction they investigated, finding the large piece of copper had worked itself up to the surface. The copper was turned over



Rudy and Joe Staricka

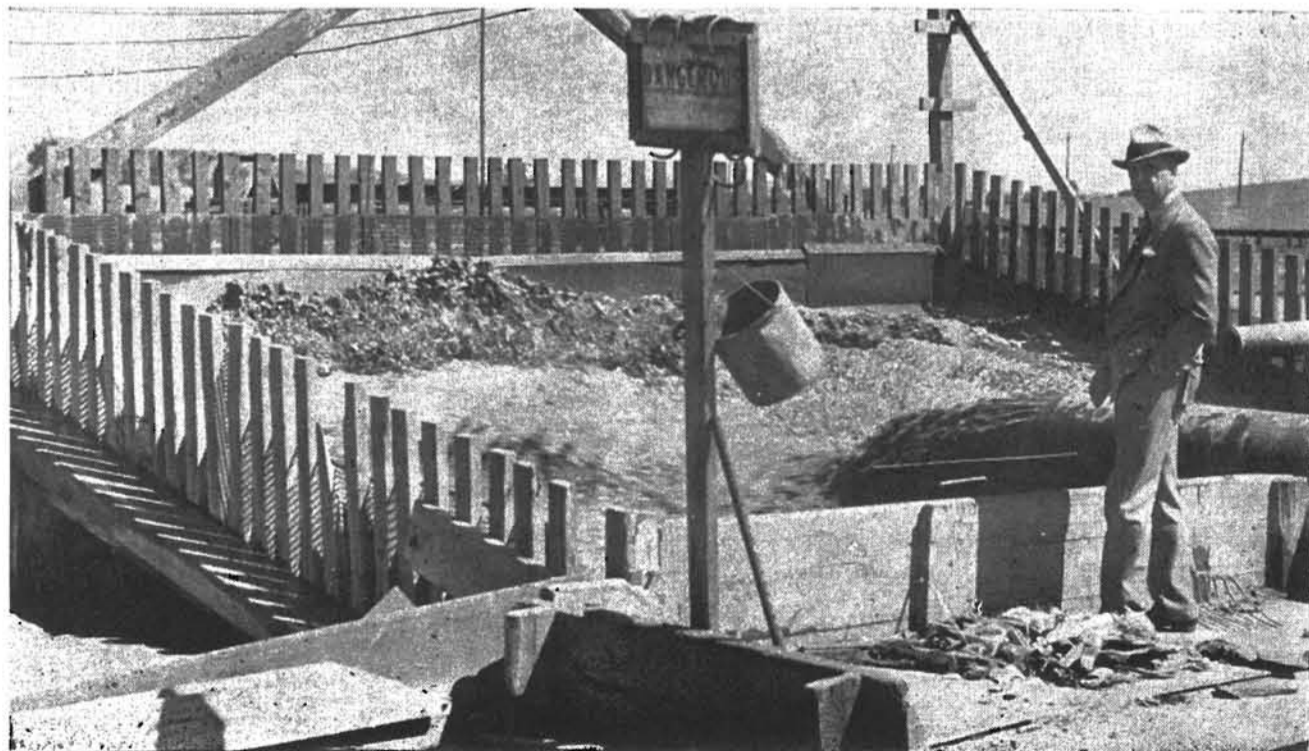
to the C. & H., which paid the "miners" the market price of the metal.

The two men, Rudy and Joseph Staricka, live in Raymbaultown with their mother in the family home which they have occupied all their lives. Their father was employed by C. & H. for 45 years up to his death in 1932. Rudy is a pump engineer at the Centennial mine and Joseph is a veteran of this war. He was wounded by a German bomb while on duty with United States troops in London and was honorably discharged from the army. Their mother, who is 78 years of age and the mother of 17 children, spends considerable time with them planting and cultivating their little farm.

Life does not consist in holding a good hand—but in playing a bad hand well.



Flotation Machine
Lost in study is Robert M. Haskell, Sup't.



Dredged sand discharging into the rubbish screen at Shore Plant.
Facing the camera is C. H. Benedict, Chief Metallurgist of Calumet and Hecla Consolidated Copper Co.

Meet the Folks Who Operate the C.

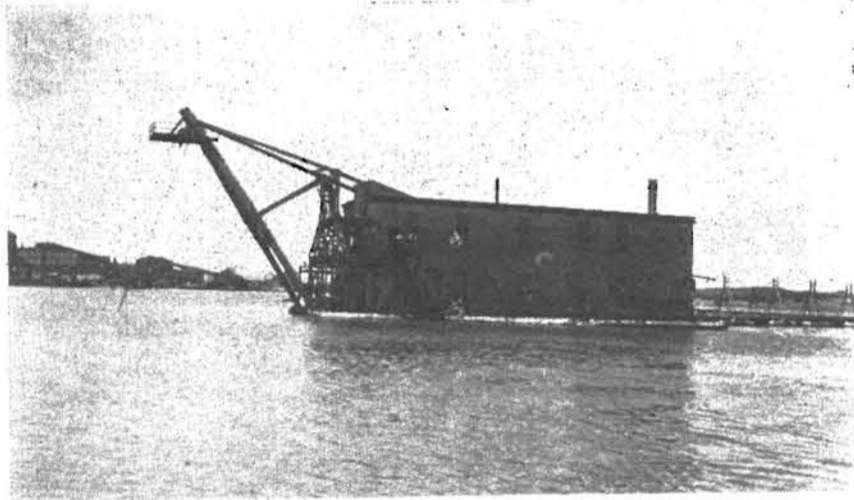


LEACHING PLANT.

The boss ("Bob" Poull, unrecognized at extreme right) and part of his smiling helpers.

Top Row, Left to Right: Rudolph ("Rudy") Meyers, Peter ("Pete") Hein, Edward ("Dutch") Myers, J. N. ("Jimmy") Curtin, Dona Pelland, R. K. Poull.

Bottom Row, Left to Right: Jack Francis, Alex Gagnon, Lawrence ("Oscar") Brouillette, Dave Duchemin, Richard ("Dick") Johnson and Victor ("Teddy") St. John.



29 INCH SUCTION DREDGE.

Digging ladder 146 feet long; digs to depth of 115 feet below water line.



JACKHAMMER CREW

Three "above-ground" jackhammer experts.

Willard ("Lover") Cadwell, Edward Curtin, John ("Tarpaper Jack") Juma.

THE Lake Linden reclamation plant began operations in 1915 using gravity methods only for the first year. It had been conceived of as a possibility ten years earlier when motorized fine grinding equipment and Wilfley Tables became standard practice, in spite of the fact that recovery of copper from that treatment is only one-third that of the process finally adopted. Present practice includes leaching and flotation of the tailings from the regrinding plant, and fortunately both processes were available and adopted early in the life of the project.

The plant was designed entirely by Calumet & Hecla engineers and its success is due to the combined skill of those engineers and the loyal and efficient efforts of the employees. The mechanical and metallurgical engineers who deserve credit for the successful operations throughout the thirty years of its life have been connected with the project from its inception, so that they can have the possibly mournful satisfaction of closing up as well as opening up this "mine."

Description of Plant.

The reclamation plant consists essentially of five units separately housed and individually functioning:

1. Dredge and discharge pontoons.
2. Shore Plant and Belt Conveyor.
3. Regrinding Plant.
4. Leaching Plant and Still House.
5. Flotation Plant.

Dredge.

The dredge was furnished by the

Eucyrus Company and is the deepest digging suction dredge ever built. The steel hull is 110 feet long and 56 feet wide, with an overhanging deck 8 feet in width. The digging ladder carrying the suction pipe is 146 feet long and can dredge to a depth of 115 feet below the water line. Pipes are carried on the digging ladder and the suction head is supplied with high pressure water nozzles that stir up the sand in advance of the ladder in order to prevent excessive caving of the bank.

The dredge pump has a 20 inch diameter inlet and outlet, with impellers 55 inch diameter driven at 360 rpm by a 1250 hp motor and with a rated capacity of 10,000 cu. yds. per 24 hours. It discharges its sand through a 22 inch o.d. pipe-line carried on pontoons, and this line has been over three-quarters of a mile long. The outlet of the pipe-line discharges onto a screen at the shore plant storage pool, the screen serving to catch submerged logs and rubbish of all kinds.

Shore Plant.

The shore plant embraces an outside storage pool with a live capacity of possibly 15,000 tons of sand and within the building a 12 inch pump, the suction pipe of which is carried on a pivoted bridge swinging radially over the storage pool. This pump delivers the material to the proper settling and classifying equipment which separates it into slimes that do not require grinding, and coarse sand that must be ground finer in order to liberate the contained copper. The coarse sand is conveyed to the top of the regrinding plant by



Flotation Crew, minus Ouellette. (Too bad you overslept, Edward.)

David Erisson, Herman Haller, Adolph Stebler (foreman), Victor Bernard, Anthony Kohlmeier, Charles Prince.



This view shows tank being filled with sand. The distributor (spider) revolves and distributes sand evenly throughout tank. Distributor is moveable from tank to tank.

z H. Lake Linden Reclamation Plant

means of a 24 inch belt conveyor and there discharges into a storage bin of limited capacity. This conveyor is 275 feet between centers, operates at a speed of about 500 feet per minute, has an inclination of approximately 2½ inches per foot, and the belt has an average life of between three and four years.

Regrinding Plant.

This building houses 64 Hardinge pebble mills for grinding and 165 Wilfley tables for saving copper liberated by the grinding. The mills are 8 feet in diameter by 18 inches cylindrical length, lined with a hard quartzite brick or steel rail and filled with flint pebbles. They are individually driven by a 40 hp motor at a speed of 26 rpm. The best pebbles come from Denmark and France and at the time of the first World War we had a four year supply on hand but were not so well stocked up in 1940. Various domestic substitutes were tried and we were fortunate in finding an ample supply of flint pebbles in Texas—pebbles that had been carried there from the Rocky Mountains in prehistoric times. Each mill consumes approximately 200 lbs. of pebbles per day.

Leaching Plant and Still House.

To the leaching plant comes the regrinding plant tailings and also the material from the shore plant that did not require finer grinding. By means of Dorr classifiers the sands or crystalline particles are separated from the fine slimes, the latter going to the flotation plant. The sands go to the leaching tanks.

There are 16 of these, 54 feet in diameter by 12 feet high. (At pres-

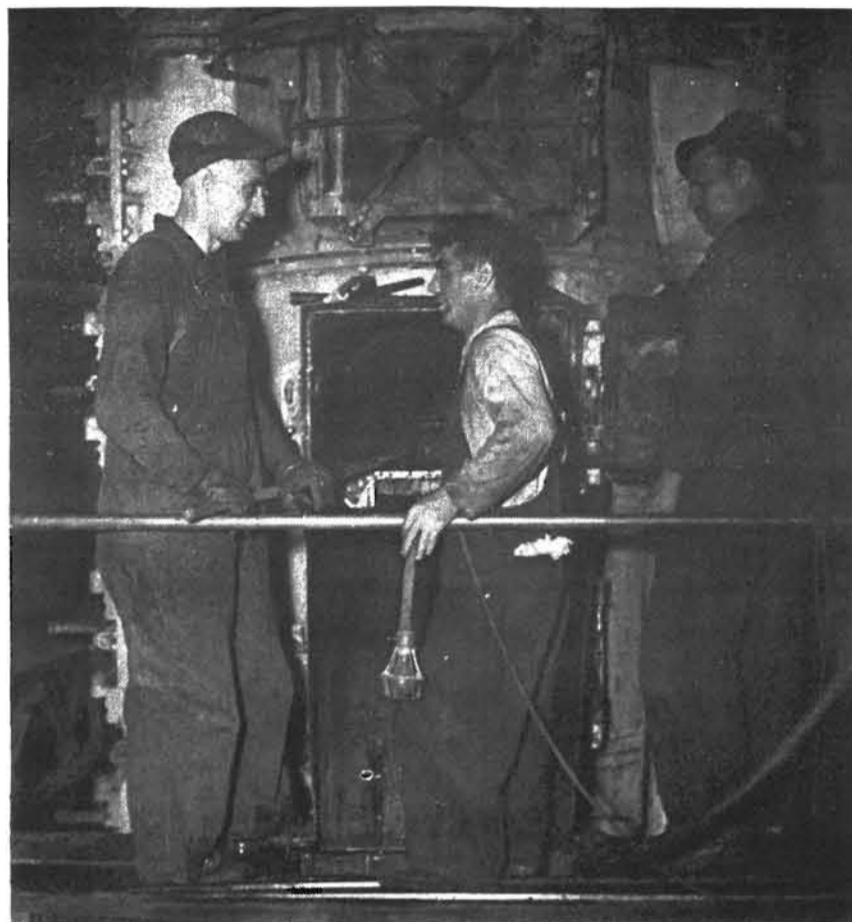
ent six tanks are used for treatment of brass clad steel scrap, a war time project of importance and value, but not germane to this article.) In addition to the leaching tanks there are 25 large tanks for storage of leach solutions, also innumerable pumps, pipes and fittings for circulation of these solutions.

The sands to be leached are fed to the tanks by means of a revolving spider which distributes the material uniformly. After the tank is filled the cover is put on and the leaching solutions flow into the top of, and by gravity down through, the sand. Various solutions are used in succession to dissolve the copper and to wash out the ammonia, and at the end of the operation the copper free sand is flushed out of the tank and pumped to the lake. The operation requires about 72 hours for the complete cycle.

The leaching solution is a complex chemical compound which first dissolves the copper from the sand and later is distilled in the still house and the copper precipitated as black copper oxide. In the distillation the volatile ammonium carbonate is condensed and goes back to the leaching plant solutions to dissolve more copper.

There are four still units in the still house, each unit consisting of one 13 section still with its preheater, reflux column, and condenser. The steam enters the bottom section and rises against and through the descending copper bearing solution. With volatile elements eliminated the barren solution, carrying the cop-

(Continued on Page 6)



CLEANING THE STILL

One section of a still showing door open preparatory to cleaning out. Alphonse Dupuis, Dalma ("Bottom Button") Daniels, Ed. Brinkman.



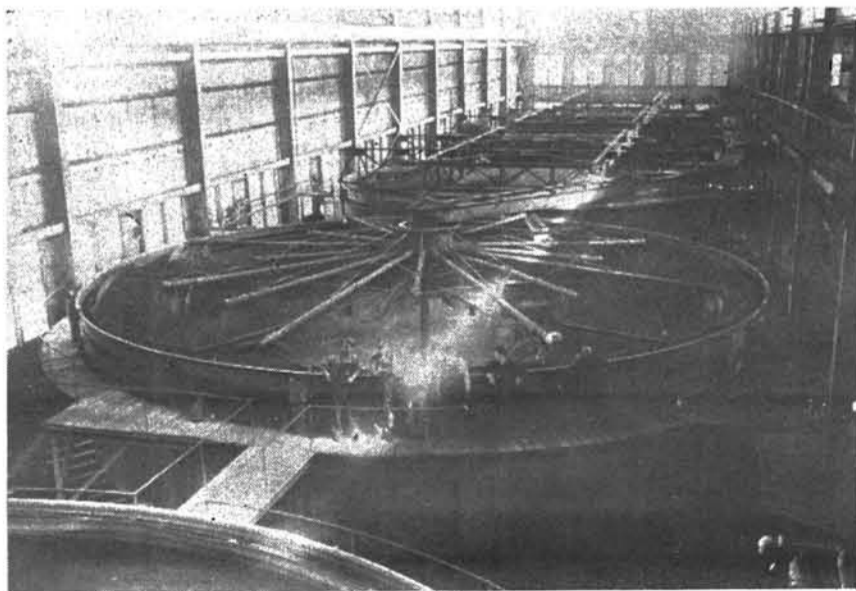
SHORE PLANT CREW.

Napoleon Godin, Wesley Pomroy, Clayton Richards, Edmond Beaudoin, Amos LePage, Jake Meister, Azarie Versaille, Art Venne, Joe Jobin, Dolphis Pepin.

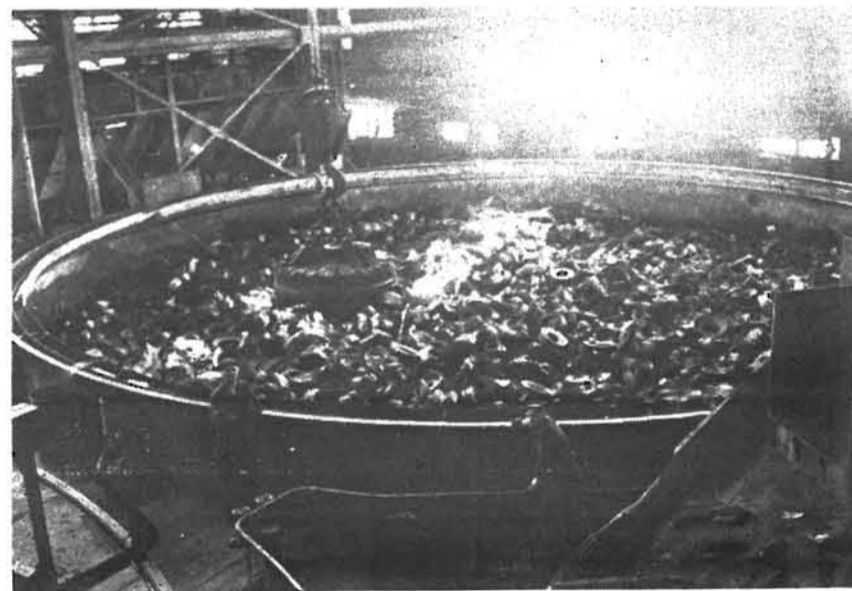


THEY BOSS THE BOSSES.

Miss M. C. (Tillie) Penninger and Miss Verna Paulson.



These tanks are 54 feet in diameter and 12 feet high. There are 16 of these tanks, each with a capacity of 1000 tons of sand.



Leaching tank filled with clad steel "doughnuts." Alvin ("Sid") Sincock, Victor ("Teddy") St. John.

The Lake Linden Reclamation Plant

(Continued From Page 5)

per oxide in suspension, flows from the bottom outlet to settling tanks and filters. All the oxide unfortunately does not stay in suspension but bakes out in the stills and clogs them up. The units must be cleaned out every 48 hours and as the photos show a jack hammer is necessary for this job.

Flotation Plant.

In this plant the very dilute fine material coming from the Dorr classifiers is settled in twelve 40-foot, 3-tray Dorr thickeners, and the copper is recovered from the thickened slime by oil flotation. This process is one of "blowing bubbles" by mechanical or air agitation of the slimes, previously mixed with pine oil and a certain chemical, sodium xanthate. The effect of all this is that the copper clings to the bubble surface, rises with the bubbles and is skimmed off and saved, whereas the worthless gangue settles down in the agitating tanks and is lost as a tailing.

As of January 1, 1944 the Lake Linden reclamation plant had recovered from Torch Lake 380,540,611 lbs. of copper from 32,084,000 tons of sand. The copper was produced at an average cost of 6.70¢ and has re-

sulted in a profit to date of \$28,890,000.

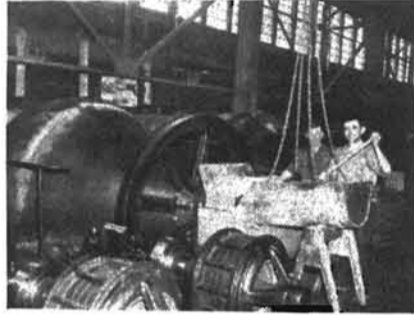
Now after thirty years this deposit is almost depleted and there is no hope of "just one more round" to open up new ore—"the ball" is just about played out.

BENNETTS AND JACKA ELECTED

In the recent school board election in Calumet, John G. Bennetts, C. & H. Chief Clerk, and Ted Jacka, Laurium insurance agent, were elected to the board of education.

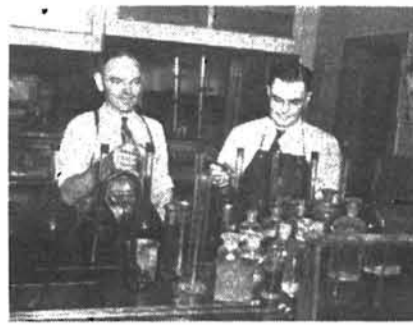
OFFICIALS VISIT CALUMET

George S. Mumford, chairman of the board of the Calumet and Hecla Consolidated Copper Company; Rob-



Giving the mill its daily "dose" of 200 lbs. flint pebbles. John "Jackie" Dupuis, Leo "Bing" Versaille.

ert Livermore, director and vice president, and Quincy A. Shaw, director, arrived here recently to spend several days inspecting the various operations.



The chemists who assay leaching plant solutions, concentrates and sands. Irving E. Dulong, C. Jay Bastian.



Sincock's Leaching Plant Shift.

Standing: Joseph "Toma" Hawke, Charley Keast, Abraham "Balam" Laverdiere, Gordon Sundberg, Earl Pacquette, Alvin "Sid" Sincock. Kneeling: Alfred "Freddy" Aubin



DREDGE CREW.

Front Row, Left to Right: Oliver Baril, George F. Duquette, Ray Monette, Mark Meister, Miles Shafer, Walter Barkell. Back Row, Left to Right: Edmund R. Lamotte, Virgil Crouch, William Smith, William Provost, Joseph LePage.

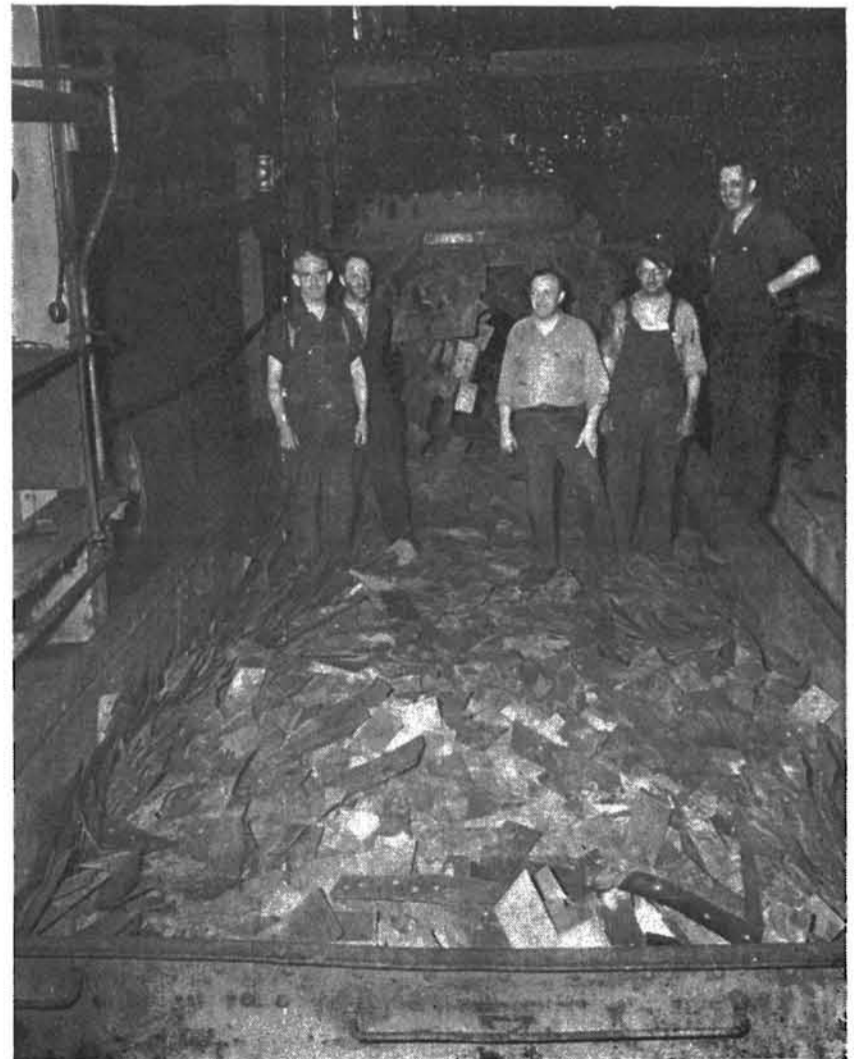


Kus and his two assistants at the "controls" in the Still House. Peter Tomasi, Lloyd Schmelzer Clarence Kus.



Clyde and the Welding Crew.

Clyde Miller, Denis Poisson, Lloyd Goninan, Francis Pflugl.



A magnet load of "clad" plates and a few of the "partially clad" crew. Russell Cane, Jack Stukel, Henry (Heinie) Kettenbeil, Dave Krause, J. N. (Jimmy) Curtin.

Believe It or Not

On June 19th Fred Ziems picked strawberries in his garden.

The best safety ideas come from the man on the job—let's have yours.

Delore Perreault received his instructions on boiler firing from Pete Rastello and at the end of his first shift he received his papers as a qualified fireman.

On four consecutive deep sea trolling trips, Mr. and Mrs. John Korri did not catch one fish. Here's wishing the Korri's better luck.

In the Old Country, at the age of seven, John Fabac did all the jobs on the farm.

When you don't wear your goggles you're only fooling yourself. Those eyes belong to you and to nobody else. Take care of them!

Louis Pastor, Jr., was again seen wearing the apron.

Kermit Bryant says his belt is priceless.

Gabriel Baratonio claims to be a mason.

"Tommy" Peters thinks he can grow a beard. He has one started.

"Jack" Dolan is great on treating—he has a good water faucet.

At the age of fourteen, Oscar Archambeault was first cook in the Calumet Hotel.

Edmund Beaudoin is taking boxing lessons.

"Jake" Meister has hot meals at the works every day. How do you do it, "Jake"?

"Mike" Lutz has a box of cigars at home.

Joe Cassette would like to trade belts with "Rolly" Lanctot.

Martin Sustarich does not have a nick-name.

C. & H. GIRLS ENJOY PICNIC

All of the girls are of the opinion there ought to be more picnics like the one held on Wednesday, July 12, at Mr. Lovell's summer camp at Point Mills.

"All's well that ends well" very aptly applies to that occasion. The morning was gray and dismal but when the Weather Man found out he could not dampen the girls' enthusiasm, he gave up and the afternoon



Still House foreman and Repair Men.
Michael ("Mike") Laverdiere, Toivo Wittaniemi, Alphonse ("Shorty") Baril, foreman.

and evening turned out to be glorious.

The planning committee provided a very good pasty supper, with small cakes and ice cream for dessert.

The entertainment was impromptu. The swimming and lounging on the beach accounted for the sun-tans and freckles the next day. The harmonizing and pantomines left nothing to be added to the enjoyment of the party.

The girls extend a vote of thanks to Mr. Lovell and the Company.

We Wish

"Ernie" Abramson would draw some cartoons for this paper.

George Tornuff would tell the Smelter surface boys why he never attends a safety party.

We had a picture of that bear that "Glen" Karrio saw.

"Heinie" Kettenbell would tell the boys why he was using a 1943 Pennsylvania license recently.

To compliment the Ahmeek Mine Electrical Department on the fine appearance of their shop.

To thank "Bill" Zappa for the fine compliment regarding the News-Views.

"Bob" Olander would tell the Calumet Machine Shop men how he does such a good wash-up job without removing his glasses.

Everybody would try his very best to work safely and avoid being injured—you will succeed if you try. Remember good safety will help win this war.

To thank Leo Remillard for his safety suggestion.

To thank W. Cornish for his valu-

able suggestions and ideas regarding photography.

Axel Carlson would tell the Iroquois boys why he got up at 4:00 in the morning to go to work and then missed the bus.

Victor St. John would draw some cartoons for this paper.

You could hear Ed. Petermann give a review of a book he read recently.

Louis Pastor, Jr., and Hogarth Penprase would tell us why they are so interested in the Ahmeek girls' baseball team.

We had a picture of that sandwich that "Rudy" Gasvoda made—it was 14 inches thick.

To thank Felix Hjort for that fine treatment received recently while underground at No. 3 Ahmeek.

To thank Leslie Chapman for his safety suggestion.

John Ruuska would tell John Beaudoin how he keeps so young and has so much pep.

We knew who the No. 4 Kearsarge artist is. His pictures underground have been attracting considerable attention.

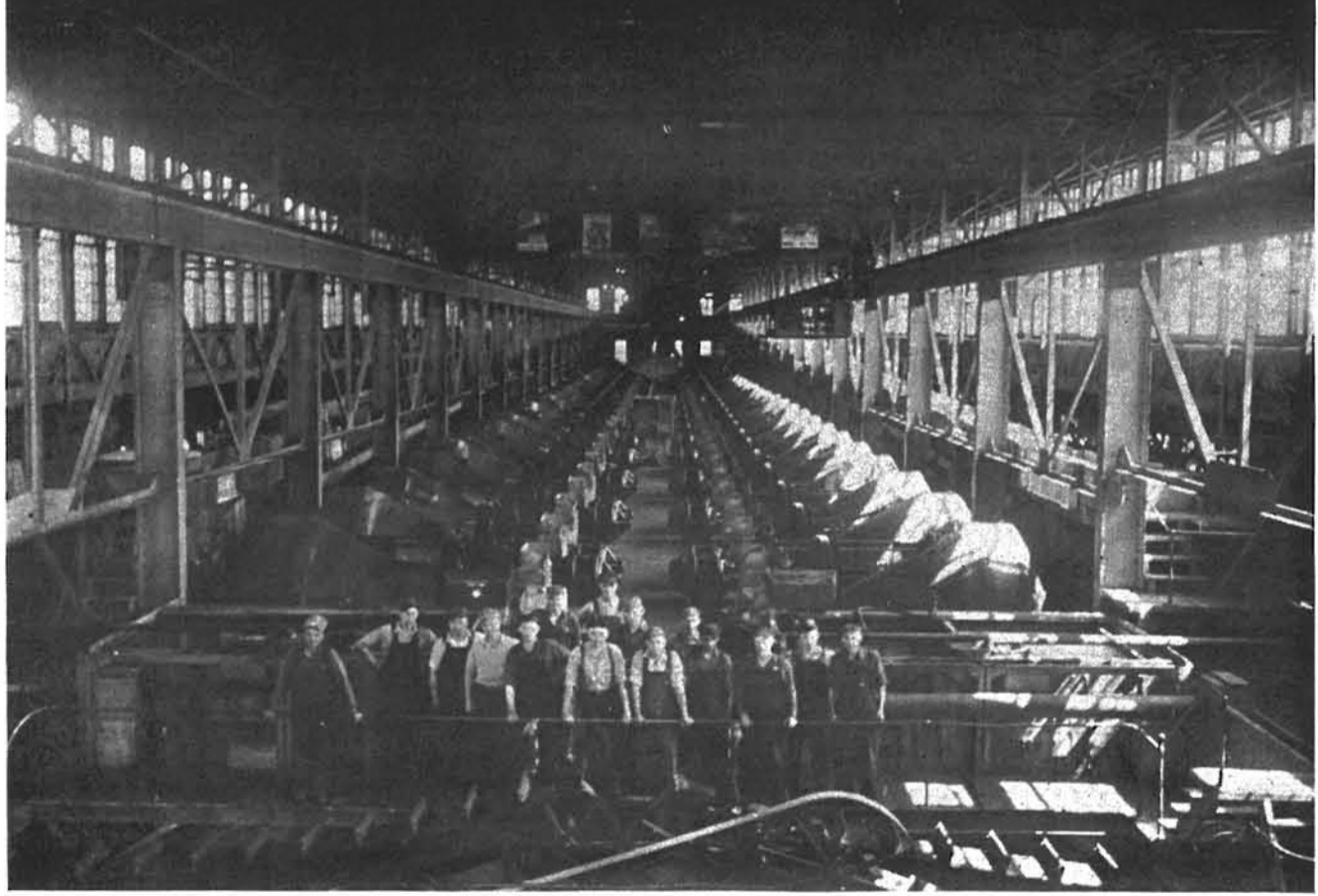
Howard MacLeod would tell us about that big rain storm in Wolverine on June 15th.

To thank C. H. Benedict for the many and excellent contributions to the News-Views.



SURFACE AND REPAIR CREW

Front Row: Raymond Rheault, Leo Remillard, Arthur Chaput, Frank Henry, Marcus St. Pierre, Joseph H. LaRoche (Foreman)
Back Row: Willard (Butch) Dube, John (Jack) Lenz, John Smith, Jeffrey Michaud, Roy Brinkman, Warner Jutila, Jacob Kramer, Arthur Jacobson.



REGRINDING PLANT.

This plant houses 64 Hardinge Mills. These mills are filled with flint pebbles, revolve 26 r.p.m., and grind the sand fine enough to release the contained copper.
Back Row, Left to Right: John Leppanen, Fred Drew, William ("Bill") Sibilsky, Delore ("Nutmeg") Pelland
Front Row, Left to Right: Edward ("Doc") Latendresse, Joseph Roy ("Pepper") Franks, Preston ("Pratt") Richards, Earl ("Tickle Toes") Pearce, Nelson ("Junior") Dupuis, Leo ("Bing") Versaille, Lester ("Bow Wow") Pomroy, Edmond Emond, William ("Billy Ace") Pearce, John ("Jackie") Dupuis, Eugene St. John.



Besides being the end of the day, for what other reason are the girls smiling as they leave the office? Mary Cosso and Margaret Roskelly.



Since 1900, John Grindatti has worked continuously for Calumet & Hecla, starting at Tamarack. He is now employed as Compressor Engineer at Ahmeek Mine.

Why Do They Call

Clayton Jarvi "Chocolate"
 Clarence Dault "Uncle Snazzie"
 Wm. Langdon "Willie Lump-Lump"
 John Wade "Jimmy Fiddler"
 Joe Novak "Easy Money"
 John Waara "John Plat"
 Axel Carlson "Rail Bender"
 Rudolph Myers "Pa"
 Carl Gronlund "Montana"
 Wallace LaMothe "Uncle Slug"
 John Elenich "Bucko"

NEW OFFICES NEARLY READY

The building formerly occupied by the C. & H. Library has undergone considerable renovation and remodeling, to prepare it for occupancy by several of the offices of the company. The change-over required rebuilding of most of the interior of the structure. When completed it will provide a much needed location for the offices of several units of the company which have been crowded since the expansion of company operations.



Joe Vranesich proves his ability as a fisherman—a nice catch of brook trout.

MacDONALD ON ODT BOARD

James MacDonald, of our construction department, has been named a member of the Baraga, Houghton, Keweenaw County Motor Vehicle Maintenance Advisory Committee of the Office of Defense Transportation. This committee represents the industrial fleet operators and meets each month to consider problems of the trucking business. His experience in supervising the operation of a number of the company's trucks well qualifies him as a member of this advisory committee.

COMPLETE REPAIRS AT AHMEEK

Number 3 and 4 shafts of the Ahmeek Peninsula were closed from July 2nd to 10th for repairs to the shaftway. The entire area from surface to the bottom of both shafts was completely repaired and operations resumed again on the 10th of the month.



John Pastor with two rainbow trout, one 28 inches and the other 30 inches. His brother, Louis, caught the 30 inch trout which weighed 8 pounds.

CALLED BACK TO ARMY

A number of furloughed soldiers who have been assigned by the Army to work in the mines recently were called back into active service. In this group were several who had been employed by the Calumet & Hecla during their furlough to civilian life. In addition to this group leaving C. & H. employment a num-

ber of local young men under twenty-six years of age have been called into service and more are awaiting call to service.

The departure of these young men for Army and Navy service effects a very serious manpower shortage and is one of the reasons why No. 4 Ahmeek, the Allouez and Iroquois have been placed on a two shift basis.



THE MAIN OFFICE BICYCLISTS—GAS SAVERS

John G. Bennetts, Hazel Meunier, Frear Watt, Patricia Gray, Bernice Waisanen, Wendell Phillips, Margaret Simonich, Harry Bennetts, Jean Anthony.

DEPARTMENTAL SAFETY RECORDS

July 15th, 1944

Days Since Last Compensable Accident	
SMELTER	
Electrical	368 Days
Surface	365 "
Mechanical	301 "
Furnace	91 "
CALUMET DEPARTMENTS	
Electrical	5,060 Days
Police, Hospital, Office, and Salvage	2,382 "
Blacksmith Shop	2,213 "
Supply	1,384 "
Machine Shop	832 "
Foundry	477 "
Surface, Construction, Masons, Painters	345 "
Railroad	248 "
Motive Power	121 "
TAMARACK RECLAMATION	
Entire Plant	632 Days
AHMEEK MILL	
Entire Plant	399 Days
ALLOUEZ NO. 3	
Underground (Start March 18, 1943)	485 Days
Surface	210 "
CENTRAL	
Surface (Start June 20, 1942)	748 Days
Underground	640 "
CENTENNIAL	
Surface (Start March 1, 1944)	136 Days
Underground	42 "
IROQUOIS NO. 1	
Surface	585 Days
Underground	165 "
NO. 4 KEARSARGE	
Surface	720 Days
Underground	31 "
LAKE LINDEN RECLAMATION	
Power Plant and Sub Station	5,212 Days
Still House	5,008 "
Blacksmiths, Mill Mechanics, Machinists, and Michigan Pump	3,198 "
Boiler House	2,888 "
Surface and Watchmen	2,778 "
Dredge and Shore Plant	1,977 "
Leaching Plant	1,518 "
Coal Dock	1,226 "
No. 2 Regrinding and Flotation Plant	617 "
AHMEEK MINE	
Machine Shop	2,529 Days
Blacksmith Shop	1,528 "
Electrical	1,466 "
Drill Shops	938 "
Mechanical	389 "
Surface	177 "
Douglase Underground	308 "
No. 3 Ahmeek Underground	72 "
Peninsula Underground	72 "
Entire Property—to Date 1944—15 Compensable Accidents.	
Entire Property—to Date 1943—24 Compensable Accidents.	