



NEWS VIEWS

Vol. 4, No. 1.

"What C. & H. Folks Are Doing"

November, 1945

ACTIVITIES AT THE VARIOUS SHAFTS

Allouez No. 3

The shaft is down past the 11th level. Cutting the 11th level plat is also completed. Sleepers, stringers and rails, as well as blasting the 10th level pentice, should be finished shortly. Drifting on the 10th level south is finished and raising has been started. The 10th level north drift is past the 500 Draft Mark and is still going ahead. Some stoping is being carried on in the 9th level north.

Centennial No. 2

The water has been lowered to below the 44th level and is being held at this point. The shaft has been timbered and skips placed in operation down to the 44th level. Drifting on the 41st level south is still going ahead in better than average grade ground. This shaft is nearing its peak hoisting capacity of 1,000 tons daily of copper rock. Last month the average daily hoist was 996 tons. A new round bottom skip is being used, which has new roller bearing wheels of special alloy steel.

Iroquois No. 1

A high production of fair quality rock is the performance for the past couple of months for this shaft. Stoping is being done on the 18th level north, 19th level north and south and a new stope is going up on the 20th level south. Drifting both ways beyond the 1300 D. M. on the 20th level is still progressing. The 20th level south drift has been about average but the north drift has been poor.

No. 4 Kearsarge

This shaft has been keeping up its hoist and sailing along quite smoothly. Drifting both sides of the 29th level is finished and opening up for stoping is in progress at the present time. The 30th level north drift is finished and taking down back and getting ready to cut chutes is being carried on. The 30th level south drift is going around an old stope of the 32nd level in No. 3 shaft. This drift should hole the No. 3 drift before the end of the month.

ABSENTEEISM REDUCED DURING THE PAST MONTH

In spite of the opening of the small game hunting season, there was a marked decrease in the number of shifts lost during October as compared with any month in the last few years. October records reveal that 1,825 shifts, or 3.86% of the number scheduled, were lost.

Iroquois reported the lowest per-

centage of absenteeism of all underground departments, with 2.79%. The Electricians lead the surface departments with 0.48%.

November's record may not equal that of October, due to the opening of the deer hunting season. However, as this article goes to press, indications are that most employees are utilizing the weekends for their hunting trips.

Barring severe weather conditions, December is expected to set a new low record for shifts lost. It is hoped that the downward trend in absenteeism will continue during the months ahead.

VICTORY LOAN GETS OFF TO A VERY GOOD START

Harry Bennetts, who has supervised the Pay-Roll Deduction Plan for War Bonds during the period of the war, reports that gratifying progress has been accomplished in subscriptions to the Victory Loan Campaign which is now being conducted. Indications are that the employees of this Company will again meet the full quota set for this Loan.

In every War Bond Loan to date, we have succeeded in making 100% of the Quota and the employees are to be congratulated on the splendid spirit of patriotism evidenced by this fact. A limited number of withdrawals from the plan have been received since the end of active warfare, but the large majority have continued in the plan and are actively interested in continuance of the method of savings by means of regular deductions of amounts to be invested in Bonds of our government.

It seems to be determined that the pay-roll deductions will be continued as long as the employees of the

country continue to be interested in this savings plan. As a result of such savings, most of the C. & H. employees have accumulated a nice lot of bonds which are being kept for emergency needs or until maturity. Such bond purchases are still the safest investment that can be made and the interest return is better than that received from most investments. We may well be proud of our record during the past and be glad to have the opportunity to continue this easy, sure, and profitable method of savings in the future.

The members of the Pay-roll department and those of the Personnel department are to be congratulated on doing such a fine job in handling the details of entering subscriptions, making deductions, obtaining and delivering the bonds during the past three years. The additional work of handling the Plan has been cheerfully and willingly done with apparent satisfaction to all concerned. The splendid cooperation of the Merchants and Miners Bank of Calumet has also been a large factor in the success of our efforts and our sincere gratitude is due to them for the careful attention given to the issuance of the Bonds.

TRESTLE IS REPAIRED

The large railroad trestle spanning the Hungarian Falls creek near the Ahmeek Mill has been repaired and is now in excellent condition. All the timberwork and ties have been replaced with new material and the foundation repaired. The entire structure has been given a coat of paint. Over 34,000 feet of timber went into the structure in two days. The work was a joint project of the Construction, Railroad and Ahmeek Mill departments.

MORE MINERS ARE EMPLOYED HERE

During September and early October a small number of employees was added to the underground payroll, with most of the men coming from the Quincy and Copper Range companies. In spite of this the records show a decrease of underground employees compared with the September total.

It was hoped that there would be a material increase in underground employment due to the shutting down of operations at the two companies mentioned above. Returning servicemen were also expected to help swell the underground force. However, there have been very few former servicemen returning to work. This situation may improve as more men are discharged.

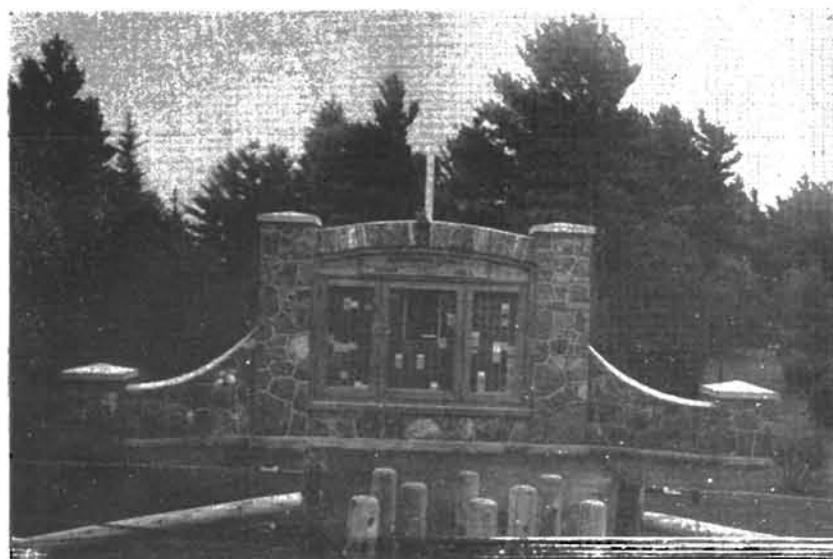
Many former Quincy employees have entered other industries, although a substantial number are receiving unemployment benefits. The same is true of former Copper Range men, excepting that unemployment payments were held up pending a decision of the State Unemployment Compensation Commission relative to the eligibility of their claims for benefits. The Commission was scheduled to hold a hearing November 19 on the case.

An increase in underground production is essential if the effects of exhaustion of the conglomerate sands is to be offset to some degree. Naturally, an increase in the number of underground personnel would have a direct bearing on increased production.

MUST SECURE PERMIT TO CUT CHRISTMAS TREES

Attention of Calumet and Hecla employees is called to the provision of the Michigan State Law covering the transportation of Christmas trees. Under the law, a bill of sale must be obtained from the owner of the land upon which the tree is cut before it can be transported. All law enforcement officers have the authority to stop a person transporting trees and inspect the bill of sale. Violators of this provision are subject to arrest.

Any employee wishing to obtain the necessary permit for removing Christmas trees from C. & H. property, is advised to make application to Chief of Police Peter J. Murphy. Mr. Murphy can be contacted at the General Office, Calumet, between the hours of 8 to 9 a. m. and 1 to 2 p. m. Mondays through Fridays, and 8 to 9 a. m. Saturdays.



The Keweenaw County Honor Roll, located between Ahmeek village and Mohawk on highway US-41 and M-26.

C. & H. News-Views

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Copper Mining Company and its
Various Branches.

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Believe It or Not

One day last summer a tourist stopped to ask Andrew Benrick of Ahmeek Mine where Copper City is. When Andrew told him he said he had just driven through there but didn't think that it was Copper City because he had expected to see large quantities of copper there.

When "Bob" Faller of the Smelter got home and showed his wife the two partridge he shot, his wife said, "Where is your gun?" "Bob" had left the gun leaning against a stump at Rice Lake. He went back there and the gun was still where he had left it.

The old familiar story, "I didn't think it amounted to much," is the cause of many infections. Small scratches and cuts promptly taken care of will not become infected. First Aid material is always available.

"Jack" Cadwell of Central Exploration claims he is the Sunday cook.

George "Pop" Werner of the Smelter keeps the neighborhood supplied with rabbits.

"Jack" Lenz of the Lake Linden Reclamation says he can't talk.

At night, "Jimmy" Whitford of No. 3 Allouez uses a flash light to show his chickens the way to the coop.

Joe Cote of No. 4 Kearsarge lost all his gray hair during the World's Baseball Series.

Until November 10th, 1944, Pete Murphy had always celebrated his birthday on June 6th. In 1944, after June 6th, he found out the right date



Pfc. Joseph Stefanie, who was a miner at No. 4 Kearsarge, before entering the armed service, is now with the army of occupation in Germany. He would like to hear from some of those with whom he worked here. His address is: Co. H, 407th Inf., APO No. 102, c/o Postmaster, New York, N. Y.

of his birth was November 10th. That year he celebrated his birthday twice.

Some men say they can't handle scraper cable when they wear gloves. We wonder if those same men ever think of what they'd do if they had a bad infection in their hand or one of their fingers. Gloves will protect your hands and fingers from puncture wounds.

When Fergus Therrian of Iroquois Shaft was a drill boy at Ahmeek Mine, he saw three ghosts—not only did he see them, but they chased him.

"Vic" Giacometto of Ahmeek Mine is raising a pig that is 6 feet 6 inches long, and weighs 200 pounds.

When Oscar Kaura, an Ahmeek miner, was 8 years old, he was a drill boy in Finland and was paid 12 cents a day—he was earning his own living.

Just try to work safely and you will succeed.

On October 18th, John Rankinen, C. & H. Office Yardman, had spring fever.

From 1917 to 1920, Tana Goson of the Foundry was with the Michigan State Police and was located in Southern Michigan. During that time he worked on several notorious cases.

For the past four years, Brockway Myers, of the Lake Linden Power Plant, has gone deer hunting and hasn't had one shot at a buck. Here's wishing him success this year.

Ed. Hjort of Ahmeek Mine drove one hundred miles on 25 cents worth of gasoline.

When "Les" Burgan of the Lake Linden Power Plant eats a quart of ice-cream at a meal, he puts plenty of salt and pepper on it.

"Bat" Bigando, C. & H. Painter, claims that the weather is colder in Lake Linden than it is in Calumet; while he worked down there he had to keep his ear-laps down.

Lawrence Brouillette of the Lake Linden Reclamation lost the key to his cabinet and couldn't shave.

Previous to the opening of the deer season, the real hunting started in the Tamarack Reclamation—As Jordan says—"Stretch your stories, but not your bags." Plenty of imaginary shots were fired and giant bucks were slain.

COMPENSABLE ACCIDENTS October

Central Exploration, Underground
October 22—Wesley H. Clark, Shift Boss. Piece of rock fell from the back of a drift and struck his shoulder. Fracture of right clavicle and contused hip. ? Time lost.

MORE COAL RECEIVED

Two boatloads of coal, totaling some 18,000 tons, were received at the C. & H. Dock during the past month. It is hoped that additional cargoes will be received before the close of navigation.

Modification of the ban on coal shipments, mentioned in the last issue of News-Views, accounted for the November deliveries.

Even if additional coal is received, the utmost economy must be practiced in order to make the coal stock pile last until the opening of navigation next season.

Boys and Girls

Mr. and Mrs. Emil Primeau are the parents of a son, born October 21, 1945. Emil is a Warehouse Man at the Smelter.

Mr. and Mrs. Louis Gribaldo are the parents of a daughter, born Oct. 25, 1945. Louis is a trammer at Ahmeek Mine.

Mr. and Mrs. Samuel Juvingo are the parents of a son, born November 4, 1945. Samuel is employed at the Smelter.

Mr. and Mrs. Albert Korkko are the parents of a daughter, born November 6, 1945. Albert is employed at Ahmeek Mine as a trammer.

VISITORS AT CALUMET

W. W. Lynch, New York sales representative for Calumet and Hecla and K. S. Williams of Pittsburg, Secondary Department scrap metal purchaser, were in Calumet during the week of November 5th. They were accompanied by Messrs. Bangs and Dietz of the Nassau Smelting and Refining Company.

The Nassau Company, like Calumet and Hecla, is interested in the nonferrous metal scrap business. Problems of the business, which concern both companies, were discussed.

BOWLING TEAMS GOING STRONG

The C. & H. Bowling League is moving right along as per schedule. An interested group of bowlers and spectators attend the matches each Sunday afternoon at the Superior Alleys, Calumet, and the White House Alleys, Mohawk.

Scores of 200 and over are becoming more frequent as the pin soilers regain their form. Bill Chapman, who won the lion's share of the individual honors in the loop last season, is up among the leaders again but finding more competition this year. As this article goes to press, George Schneller, a member of Bill's Lake Linden

THE RESPONSIBILITY IS
ON YOUR SHOULDERS



WORK SAFELY
AGAIN TODAY

Reclamation team, has the individual top score with a mark of 241. He is followed by Jack Mugford, Office, and "Pat" Rapson, Ahmeek Surface, who are tied for second place with 233.

The league schedule for December follows:

Dec. 2—Construction vs. Smelter at Superior alleys. Foundry vs. Ahmeek Surface at Superior alleys. Office vs. Ahmeek Underground at White House alleys.

Dec. 9—Construction vs. Tamarack Reclamation at Superior alleys. Office vs. Iroquois at Superior alleys. Railroad vs. Allouez at White House alleys.

Dec. 16—Foundry vs. Ahmeek Underground at Superior alleys. Smelter vs. Lake Linden Reclamation at Superior alleys. Ahmeek Surface vs. Centennial at White House alleys.

NEW SCALE INSTALLED

A new 80-ton scale has been installed at the Tamarack Reclamation plant. The concrete base for the scale was poured into place in one day, when the crew in charge worked two consecutive shifts to complete the job under unfavorable weather conditions.



Some of the employees of the Ahmeek Mill and Tamarack Reclamation enjoying a Safety Party at the clubrooms of the C. & H. Firehall.

C. & H. to Manufacture Chemicals at Lake Linden Plant

The newest development in the expansion of the Calumet and Hecla is its entrance into the field of manufacturing copper chemicals. For this purpose a new corporation has been organized under the name of The Lake Chemical Company, with an authorized capital of \$300,000. The Calumet and Hecla has subscribed to half of this stock and the Harshaw Chemical Company of Cleveland has taken the other half. Calumet will do the manufacturing, and the sales will be handled by Harshaw. The officials of the Lake Chemical Company are all present officials of Calumet and Hecla and Harshaw.

This is a very natural development of Company activity because the principal basic raw material going into each of these products is something that is already being purchased for, or manufactured by, the Company in its other operations. The location of the new plant will be at Tamarack, where obsolete machinery is now being removed to provide space for the new company.

With the exhaustion of the conglomerate sands at Tamarack about a year ago, the flow sheet was modified and simplified for the treatment of amygdaloid sands, resulting in the elimination of much of the equipment used in the original process. Accordingly, the plant as a whole is losing its former physical structure, and will very shortly house three Company activities and operations instead of one, all within the former buildings. In treating conglomerate sands, both leaching and flotation were used. In treating amygdaloid, leaching is out entirely and flotation equipment is materially reduced as to amount of required floor space.

The first step in the functional expansion of the plant was in the use of the leaching plant tanks and other equipment for the treatment of secondary copper. This operation, under the supervision of Mr. Kenny, has a productive capacity of a million pounds of copper per month as copper oxide, and with slight additions to the existing equipment this can be doubled.

The south half of the structure formerly housing flotation equipment is now being reconstructed for the manufacture of the initial two chemicals to be produced by Lake Chemical Company. These are copper oxychloride sulphate, known to the trade as COCS, and cupric hydroxide, the latter according to the process developed by Percy Rowe. The space devoted to these products will be in excess of 5,000 sq. ft. with ample facilities for expansion as it becomes necessary either to increase the contemplated output of these two or more likely for the manufacture of additional copper chemicals.

In the manufacture of COCS, copper will be delivered directly from the Secondary Copper Department to the operating floor of the COCS plant. It is contemplated that the capacity of this plant for the time will be 150 tons of finished product monthly, which will require a consumption of be-

tween 85 and 90 tons of secondary copper. The other raw material entering into the manufacture of COCS are sulphuric acid, ammonia and salt, all of which will be delivered to the plant in bulk shipments either in tank cars for the two liquid products or by box car for the salt. This COCS is at present being manufactured by Harshaw at their Elyria plant at a lesser capacity than planned for Tamarack. There is no room for expansion at Elyria without building an entirely new unit so that the local plant, inasmuch as a suitable structure is available, will avoid the necessity of a new building.

The manufacture of cupric hydrate is still more closely related to current Company activity than is that of COCS. The basic raw material in this case is the copper solution that is produced in the leaching of secondary copper. At present all this solution is distilled in order to produce the copper oxide which the Company has been manufacturing for many years. To the extent that this copper solution will be used for the manufacture of cupric hydrate, a portion will be diverted from secondary operation and stored in tanks at present available, from which it will be pumped to the hydrate plant. The only other raw material required for the manufacture of cupric hydrate will be caustic soda. In this operation all the copper is converted to cupric hydrate but the ammonia that was in the original solution will be recovered by distillation and returned to the leaching circuit.

Both the COCS and the cupric hydrate will be dried and the dried product will be shipped in bags of approximately 45-lb. weight. A trade name will be selected for all of these new products and attractive containers will be used. This packaging is a new activity for the Company which has been accustomed in the past to permit the copper practically to sell itself because of its reputation—the new products will have to be built up to, and then maintain C. & H. standards.

Within the space leased to the Lake Chemical Company, there is still room for additional products, which are at present only in the experimental or pilot plant stage of development. It is fully anticipated that other chemicals related to the products now being manufactured or in contemplation will be produced very shortly in quantity. The copper oxide which up to this time has been shipped in barrels and containing considerable moisture will also be further refined to the extent that drying and bagging equipment has been ordered and this product too will shortly be shipped in paper bags. A pound of copper as a chemical commands a higher price than that same pound as metal and this expansion is all part of the progressive policy of the Company to continue operations at any price for copper.

Responsible for the design of the plant and its successful operation are R. A. Lucht and John Porvasnik of Harshaw Chemical, and C. H. Benedict, H. E. Williams and Peter Ostlander for Calumet and Hecla.

Showing Pictures of the Ruins at Delaware Mine In Keweenaw County

The first copper mine at Delaware was organized by the Northwest Mining Association in 1847. Two years later the company was reorganized as the Northwest Mining Company, which during the period from 1850 to 1860 spent \$939,000 in development of the mine.

The company was reorganized again in 1861 as the Pennsylvania Mining Company. In 1863 the operators divided their various interests and the Delaware produced about 4,000,000 pounds of copper between 1863 and 1867, when the property suspended operations. In the mean-

time the Delaware Mining Company was organized in 1876. In 1881 a new organization was formed again, this time being called the Conglomerate Mining Company. This firm operated various properties such as the Northwest, the Pennsylvania, the Delaware, the Maryland and the Wyoming. In 1888, after the operations had suspended another company was organized as the Lac La Belle Mining Company, but did not get into actual production.

Shortly after the turn of the century the Calumet and Hecla did considerable exploratory work in the Delaware section.



Company's Foundry and Pattern Shop



Horace Barrett and Charles Larson, molders, clamping a mold.



Albert Schmid, cupola operator, repairing cupola iron receiver. Foreman Leonard Yeo inspecting the job.



John Wilson, pattern maker, sanding a part of a pattern. In September, John returned to his old job in the Pattern Shop after serving 3 years and 3 months in the Navy. While in the Navy he was a Pattern Maker First Class and had seen service on the Atlantic and Pacific oceans.



Martin Sterbenz operating inside crane.



Richard Webb, machine molder, making a multiple mold.

THE Calumet and Hecla in 1907 at Calumet. The for the Lake Linden B year. Since that time the s terns. At the present time t for the improvement of the

During the recent war pounds of direct war casting operations in connection with

Since 1940 the foundry balls which are used in the c the foundry in 1940 proved installed the following year balls have been turned out a

In the past five years n have been made for compa made of Copper, Brass, Alu Hard. The last named produ where abrasive materials ar

There are twenty-seven

(Con



Joseph Har and John C. Sullivan working on a core box.



Ball casting machine crew: Dominic Massoglia, Alfred Kump, Claude Bayles, Frank Pechawer and Joseph Natario.



Virgil Marinelli, brass molder, setting core in a mold.

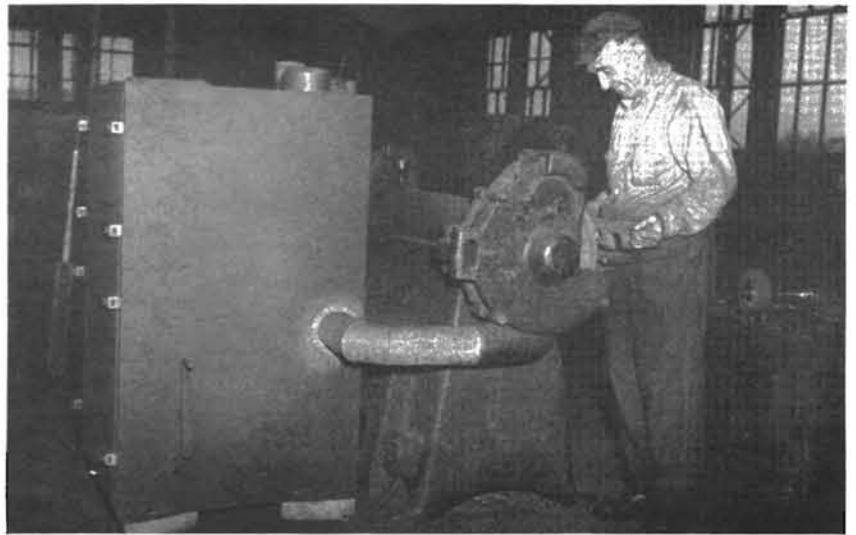


John Sandretto, John B.

tern Shop Are Scene of Ve



ring cupola iron receiver. Fore-



Caesare Zubieta, chipper, completing and inspecting a grinding job.

THE Calumet and Hecla foundry and pattern shop were built in 1907 at Calumet. The first pattern made in the new shop was for the Lake Linden Boilerhouse which was erected the same year. Since that time the shop has constructed nearly 30,000 patterns. At the present time the shop is engaged in making patterns for the improvement of the boilers at the Ahmeek Mill.

During the recent war the foundry turned out over 560,000 pounds of direct war castings, all of them used by the government operations in connection with the war campaign.

Since 1940 the foundry has been manufacturing steel grinding balls which are used in the conical mills. The steel ball experiment at the foundry in 1940 proved successful and a casting machine was installed the following year. More than 10,000,000 pounds of these balls have been turned out at the foundry up to date.

In the past five years more than 18,000,000 pounds of castings have been made for company operations. The castings have been made of Copper, Brass, Aluminum, Gray Iron, White Iron, and Ni-Hard. The last named product is used in castings which operate where abrasive materials are handled.

There are twenty-seven men employed at the foundry and pat-

(Continued on Page 6)



Dominic Poliuto, core maker, ramming a core.



Joseph Harris, pattern maker and John C. Sullivan, helper, making a core box.



Joseph Primeau, Cupola Charger, shoveling coke into cupola, getting ready for the melt.



John Sandretto, John Brill and Tana Goson, nightmen.

Scene of Very Much Activity



Completing and inspecting a grinding job.



John Traven, clerk and Milton Prideaux, superintendent, checking over the records.



Dominic Poliuto, core maker, rramming a core.



Hilding Taube, molder, making a joint of a mold.



The outside crane operated by Cecil Shannon, unloading a car of pig-iron with the help of Peter Curto, yardman.



Joseph Primeau, Cupola Charger, shoveling coke into cupola, getting ready for the melt.



William Vogeler and Clarence Dunn, molders, closing up a mold.

We Wish

To thank James Barinotti of the Smelter for his safety suggestion.

George Pini of the Ahmeek Mill would tell us why he is called "No Gas Pini."

Wilbert Bisson of the Lake Linden Power Plant would tell the boys what part of the deer he was promised if Frockway Myers ever gets a buck.

"Pat" Sheehan of Iroquois would tell us how he lost his non-breakable watch crystal.

John L. Sullivan of the Motive Power would tell the boys about the experience he had when he tried to eat a pear.

Dan Erickson of the Motive Power would tell the boys how he got his one and only partridge.

To thank Clarence Geiger, C. & H. Watchman, for his safety suggestion.

We could see every employee of the C. & H. at a safety dinner and party during the next twelve months. This is possible if every man in every department, plant shift or shaft would work safely. Will you try to do it?

"Bill" Little of Ahmeek Mine would tell the boys why he is called "Sidewalk Willie."

To thank A. P. "Jim" LeBeault of the Smelter for his suggestion regarding safety parties.

Howard Steele of the Smelter Laboratory would tell the boys where he got that curly hair.

Andrew Benrick of Ahmeek Mine would keep his promise.

We had a picture of the chicken that "Art" Jarvela of the Smelter claims he had served him at a safety dinner.

Jay Bastian of the Lake Reclamation would sing the song that he composed for the boys.

WANTED

A three round boxing match between "Cannon Ball" Farley and "Curly" Steele. This match to determine the fly weight championship of the Smelter.

One pair of hip boots to be used for crossing a stream on the way to work—by "Jim" Paull of Ahmeek Mine.

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

Pictures of those big bucks that you shot during the past deer hunt-

ing season. Mail or give the pictures to "Jake" Alt, Safety Engineer.

Flood lights for horseshoe court—by "Wes" Williams of Ahmeek Office.

To buy—Fresh eggs—by Carl Posey of Ahmeek Mine.

To buy—a riding horse—one that will match cowboy boots—by Gordon Kingstrom of Centennial Mine.

Everybody working safely every day, not only on the job, but at home, in the woods, and on the highways.

To buy—one pair of overalls, size 42—by "Becka" Waara of Ahmeek Mine.

Information on how to obtain an invitation to a safety dinner and party—by Margaret Simonich of the C. & H. Office.

A job as radio announcer—by Geo. Dahl, Allouez No. 3 truck driver.

Foundry

(Continued From Page 5)

tern shop. Milt Prideaux is the superintendent of the plant. The staff of the plant is proud of the fact that nineteen members of the employees' families served in the armed services during the war.

Constant improvements to the equipment of the plant make it one of the best small foundries in the country. At the present time the entire lighting system is being modernized.

For many years the foundry crew has been known for its participation in athletics. For the past several years the bowling team has established an enviable record in the company and the public bowling leagues. On the baseball diamond the Foundry Team has always proven a formidable opponent. On several occasions the soft ball team of the plant won the local championship.

The record of which the men are the most proud, however, is the safety record. The entire plant ran a total of 21,459 shifts without a compensable accident, until one of the men was injured in an unavoidable mishap. Immediately the crew started out to make a better record and up to the present date 20,401 shifts have been worked without a single mishap.

LAUNDER JOB COMPLETED

Emil Marcotte and his crew have completed construction of the launder at the Lake Linden Reclamation plant and experienced an interesting time while the work was going on. The launder is built on a sand bank,



Mrs. John Sandretto, who resides near the Calumet Waterworks is proud of her fine flock of turkeys.

the surface of which was whipped up into a sand storm by high winds during the operations.

Bents to accommodate 300 feet of eighteen inch discharge pipe were made and erected. Over thirteen hundred feet of the four inch tailing launder was repaired and jacked-up.

FEWER INJURIES

During the month of October a new all time low was established in injuries reported for our entire un-

derground operations. For the month there were 15 injuries reported which is the lowest this property has ever had—one of these injuries was compensable. This includes the underground operations of No. 3 Ahmeek, Peninsula, Douglass, Centennial, No. 4 Kearsarge, No. 3 Allouez, Iroquois and Central. On the Surface operations of these properties, there was not an accident of any nature. These safety records are indeed encouraging and we hope that the good work in accident prevention will continue.

DEPARTMENTAL SAFETY RECORDS

November 15th, 1945

Days Since Last Compensable Accident

CENTENNIAL		
Surface (Start March 1, 1944)		624 Days*
Underground	2—1945 Accidents	263 " *
IROQUOIS		
Surface		1,063 Days*
Underground	1—1945 Accident	144 " "
NO. 4 KEARSARGE		
Surface		1,197 Days*
Underground	7—1945 Accidents	79 " "
LAKE LINDEN RECLAMATION		
Power Plant and Sub Station		5,706 Days*
Still House		5,506 " *
Blacksmiths, Mill Mechanics, Machinists, and Michigan Pump		3,686 " *
Surface and Watchmen		3,266 " *
Dredge and Shore Plant		2,465 " *
Coal Dock		1,714 " *
No. 2 Regrinding and Flotation		1,105 " *
Leaching Plant	1—1945 Accident	97 " "
Boiler Plant	1—1945 Accident	62 " "
AHMEEK MINE		
Blacksmith Shop		2,016 Days
Electrical		1,954 " *
Mechanical		877 " "
Drill Shops		387 " "
Surface	1—1945 Accident	134 " "
No. 3 Ahmeek Underground	2—1945 Accidents	259 " "
Peninsula Underground	4—1945 Accidents	103 " "
Douglass Underground	2—1945 Accidents	54 " "
SMELTER		
Electrical		856 Days
Mechanical		789 " "
Furnace	1—1945 Accident	250 " "
Laboratory	1—1945 Accident	128 " "
Surface	1—1945 Accident	112 " "
CALUMET DEPARTMENTS		
Electrical		5,548 Days*
Police, Hospital, Office		2,870 " *
Blacksmith Shop		2,701 " *
Supply		1,872 " "
Machine Shop		1,320 " "
Foundry		965 " "
Railroad		772 " "
Motive Power		477 " "
Surface, Construction, Masons, Painters	2—1945 Accidents	11 " "
ALLOUEZ NO. 3		
Surface		698 Days*
Underground	3—1945 Accidents	165 " "
AHMEEK MILL		
Stamping and Maintenance		3,592 Days*
Power Plant and Boiler Plant		1,065 " "
Wash		887 " "
CENTRAL EXPLORATION		
Surface (Start June 20, 1942)		1,236 Days*
Underground	2—1945 Accidents	23 " "

*New Best Record

Entire Property to Date—1945—31 Compensable Accidents.
Entire Property to Date—1944—30 Compensable Accidents.



Men of W. Paull's shift, No. 3 Ahmeek, with members of the Smelter Mechanical Department celebrating good safety records. They are listening to the music by Leo Schick and "Cap" Sorvala.

... NEWS AROUND THE MINE ...

Our congratulations and best wishes to Mr. and Mrs. Anthony Kowacic who were married on November 3rd. "Tony", who was employed in the Personnel Department before entering the Army, took as his bride Miss Mary Cosso, who is employed in the C. & H. Office. "Tony" received his honorable discharge from the Army in October and now plans on entering a photographic college in New York.

On October 20th, "Becka" Waara of Ahmeek Mine shot six partridge and one rabbit.

For steam and shower baths, patronize Paulson's modern bath house at 1402 Pine Street, Calumet. Emil Paulson, the owner, is employed in the Calumet Carpenter Shop.

On October 29th the employees of the Lake Still House completed 15 years without a compensable accident. A wonderful record in accident prevention and a record that every man in this plant can be mighty proud of.

Mr. and Mrs. Antti Palkki and family have moved from New Allouez and are now residing at Red Jacket Shaft location.

Always alert—never hurt.

Lost—One Beagle rabbit hound. Substantial reward to finder—by Caesare Zubiena of the Foundry.

On November 14th the employees on G. Kingstrom's shift at Centennial Mine completed one year without a compensable accident. Congratulations to these men and we hope the good work continues in accident prevention.

One of the highest total series in league match bowling on the Superior Alleys in Calumet was rolled on November 7th, when "Pete" Dimmer rolled three games of 197, 216 and 245 for a total of 658. "Pete" is an employee of the Calumet Carpenter shop.

For expert advice on how to exterminate cats, consult "Neal" Bentfield of the Ahmeek Mill.

The Lake Linden Ahmeek Mill carpenters, who are under the supervision of Emil Marcotte, on October 10th, enjoyed a delicious supper prepared by "Pete" Monette. The supper was held at Emil's cottage at Little Traverse Bay. Refreshments, cards and "tall" stories were enjoyed by all. On November 16th the employees

of the Centennial Mine completed 265 days without a compensable accident and now have only 100 days to go to make a one year safety record. It surely would look good to see these men go a year without a compensable accident.

Everett Chapman of the Smelter and Carson Hodges of Ahmeek Mill spent a week pheasant hunting in North Dakota. Both men reported having had a successful hunting trip.

For advice on setting sights for rifles, consult Charles McLaughlin of the Tamarack Reclamation Plant.

We appreciate the many good safety suggestions and ideas that we have received and we hope to receive more of them. Remember, safety is everybody's business.

A man who believes in taking the very best care of his eyes at all times is Fred Carlson, a miner at Iroquois Shaft.

At a recent meeting of the Copper City Fire Department, Max Radosevich of the Ahmeek Mine Blacksmith Shop was elected Assistant Fire Chief, Waino Kauppila of Ahmeek Mine was elected Captain and John Peters of Ahmeek Mine is the secretary.

Hubert Klein has received his honorable discharge from the Army and is back at work at the Tamarack Reclamation.

The employees of the Lake Linden Still House have organized a bald-headed bowling team and they issue a challenge to any department or

plant of baldheaded bowlers. Games may be arranged by calling Clarence Kus who is the team captain.

On November 8th the employees of the Lake Linden Power Plant had a party at Fred Pellerin's cottage at Rice Lake in honor of Armand Pellerin, who has been honorably discharged from the Army. Armand had been in the Army for 3 1/2 years and saw service in Europe since D-day. "Les" Burgan was the chef and prepared a delicious chicken dinner. Cards were enjoyed and Frank Lockwood carried off the booby prize.

On Sunday evening, November 11th, the Copper Country Choral Club entertained the public with a concert at the Armory in Calumet. The people who attended this concert acclaimed it to be one of the best concerts that they have heard in a long time. Ten C. & H. employees are members of the Choral Club. They are: "Rudy" Spehar, Frank Torreano, Horace Barrett, Ed. Messner, John Kananen, Lawrence Klein, Emile Marcotte, John Dudley, Wendell Kraft and James Gray. We wish them a successful season and hope we will have the pleasure of hearing them again real soon.

Among the successful pheasant hunters returning from South Dakota were E. R. Lovell, George Craig, John Bennetts and A. E. Petermann.

The men at No. 3 Ahmeek, under the supervision of Ed. Petermann, from August 31st, 1944 to November 12th, 1945, have not had an accident of any nature—not one man has had to go to a doctor on account of an injury in the mine during that

time—a wonderful record in accident prevention.

Matt Pomroy, after serving three years in the Army, has been honorably discharged and is back to work at the Tamarack Reclamation.

On September 3, Mrs. Hubert Abrahamson of Osceola, while out deep sea trolling, caught an 11-pound lake trout.

Since June 1, "Tom" Roskelly of Central Mine has trapped 12 coyotes.

The man who knows his job is a safe worker.



John Aimone and Bill Hannuksela in front of large piece of mass copper at Central Exploration.



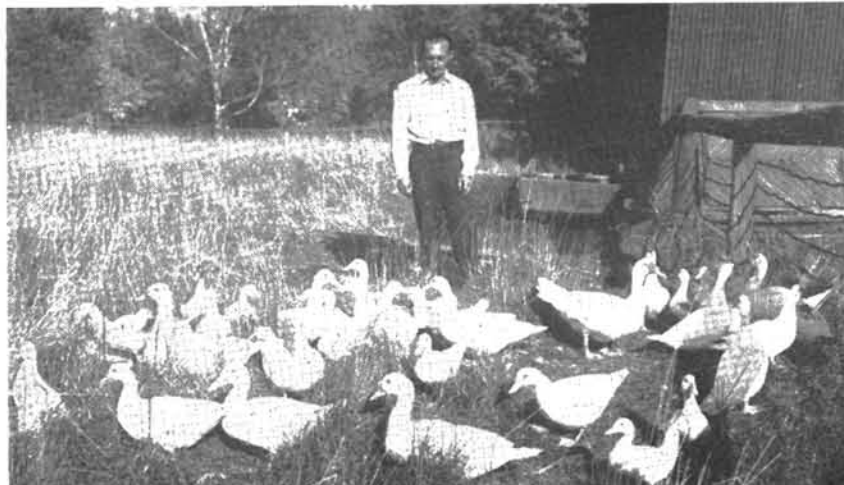
Charles Brinkman of the Lake Linden Boiler Plant proudly displays an 18-pound pike that he caught on September 13th. Jay Linker was along to do the landing of this fish.



Apparently a serious game took place when the employees of the Smelter Mechanical Department and W. Paull's shift of No. 3 Ahmeek met at a safety party.



OSCEOLA INDOOR BASEBALL TEAM, 1901
Front Row: (Left to Right) Tim Harrington, Johnnie Bennetts, Capt. Thomas Edwards. Center Row: Fred Butler, Fred J. Constance, Manager and "Cap" W. White. Back Row: Johnny Sullivan, John Sweeney, Jim Watson and John Shea.



John Sandretto, an employee of the Calumet Waterworks, knows how to raise those big ducks.

STOCKPILING OF MINERALS IS SEEN AS A NATIONAL SECURITY MEASURE

BUILDING A RESERVE OF COPPER IS URGED

The stockpiling of various minerals which are mined in the United States, is recommended by recent utterances on the part of persons high in Washington's officialdom. The statements, carried in several newspapers and periodicals recently, are of the greatest interest in the Copper Country, where this subject has been proposed for more than a quarter of a century by copper producers. The stockpiling of copper through the past years would have provided a ready supply when the government needed it badly in the war effort and would also have provided steady employment for men operating the mines.

The Secretary of the Interior suggests an all out increase in the exploration of mineralized areas in the country to find new ore bodies from which to recover various minerals. This exploratory idea is one which Calumet and Hecla has been working on constantly, not only during the war, but prior to 1941. Diamond drilling and other examination of the underground areas, has been going on here for a number of years and at the present time is in full swing throughout the district. Every facility of the company's exploratory branch is at work on this project with the hope that new veins will be found and opened for production.

NO CAUSE FOR ALARM

Frequently, people who drive thru the Torch Lake district at night, are concerned about the reflection in the sky caused by large fires burning along the lake shore near the Smelting Plant. There is no cause for alarm as these fires are a part of the process for recovering copper and other metals from insulated scrap, which has been shipped to this district from manufacturing plants throughout the country.

After the insulation has been burned away the metal is recovered and reprocessed.

SAFETY DEPARTMENT MOVES

Safety Engineer Alt and his assistant, Matt Fink, are occupying new quarters in the Central Office in Calumet, moving from the second floor to rooms on the main floor next to the entrance to the building. Matt says, "It is a safer place to work, because there are no stairs to climb."

Susie has a nice, new skirt;
So neat, so bright, so choosy.
It never shows a speck of dirt,
But, gosh, how it shows Susie!

RECOVER CAST IRON PIPE

Over 800 feet of bell and spigot type cast iron pipe was recovered from the ground at the old South Kearsarge location this fall. The line

thereby, not only providing copper but providing work for additional employees and adding to the security of the community.

The Secretary of the Interior in a recently published interview stated:

"We must keep our military forces—our army, navy, and air arm—strong enough to do our share in maintaining the peace of the world—a peace that is necessary if we are to bring in what we require for our economy. Without a strong military force, we would be laying open the life lines of raw materials to the first aggressor who could gather a sizable military force about him."

"One of the surest ways of assuring our basic security in minerals in time of need is to build up stockpiles. A large-scale stockpiling program would provide a reservoir into which domestic materials might be placed in times of depression," he states.

"Our second line of defense is our marginal and submarginal resources. Exploration for new deposits should be carried on vigorously, and plans made for emergency production. Since the defense of the nation is involved, the work of private industry should be aided by government research and by government-sponsored explorations."

"We must encourage and support, morally and financially, the investigations of our research workers and scientists. Further, we should spend time and money in seeking new and better ways to recover metals from scrap."

of pipe was installed about forty-five years ago to service the plant and dwellings at the location. The pipe line service was discontinued several years ago and its removal added a considerable supply of this type of equipment to the supply on hand.



The Copper City Honor Roll, located on one of the main corners.

MANY BUCKS ARE SHOT

A large number of company employees have spent some time in the woods during the past two weeks in search of venison and many of them have been successful in filling their licenses, thereby providing a good supply of meat for the family larder this winter.

Several large bucks have been reported among those shot and the News-Views is anxious to get pictures of the "big fellows" which have been shot.

If any employee was successful in adding a bear to his bag, a report of his hunting trip will be welcomed by the News-Views.

SURVEY ELECTRICAL PLANT

Engineers of the Stone and Webster Company are making a survey of the electrical generator system of Calumet and Hecla, with a view to making equipment changes which will effect greater efficiency in the plant's power production. The work will be completed about the first of the year.

Smiles

Mose, charged with theft, was on the witness stand, and the judge sought to discover if he new the value of an oath. He said:

"Mose, if you tell a lie under oath, do you know what happens?"

Mose said: "Yassuh, Judge. I goes to Hell."

"And if you tell the truth?" persisted the judge.

"I goes to jail," said Mose.

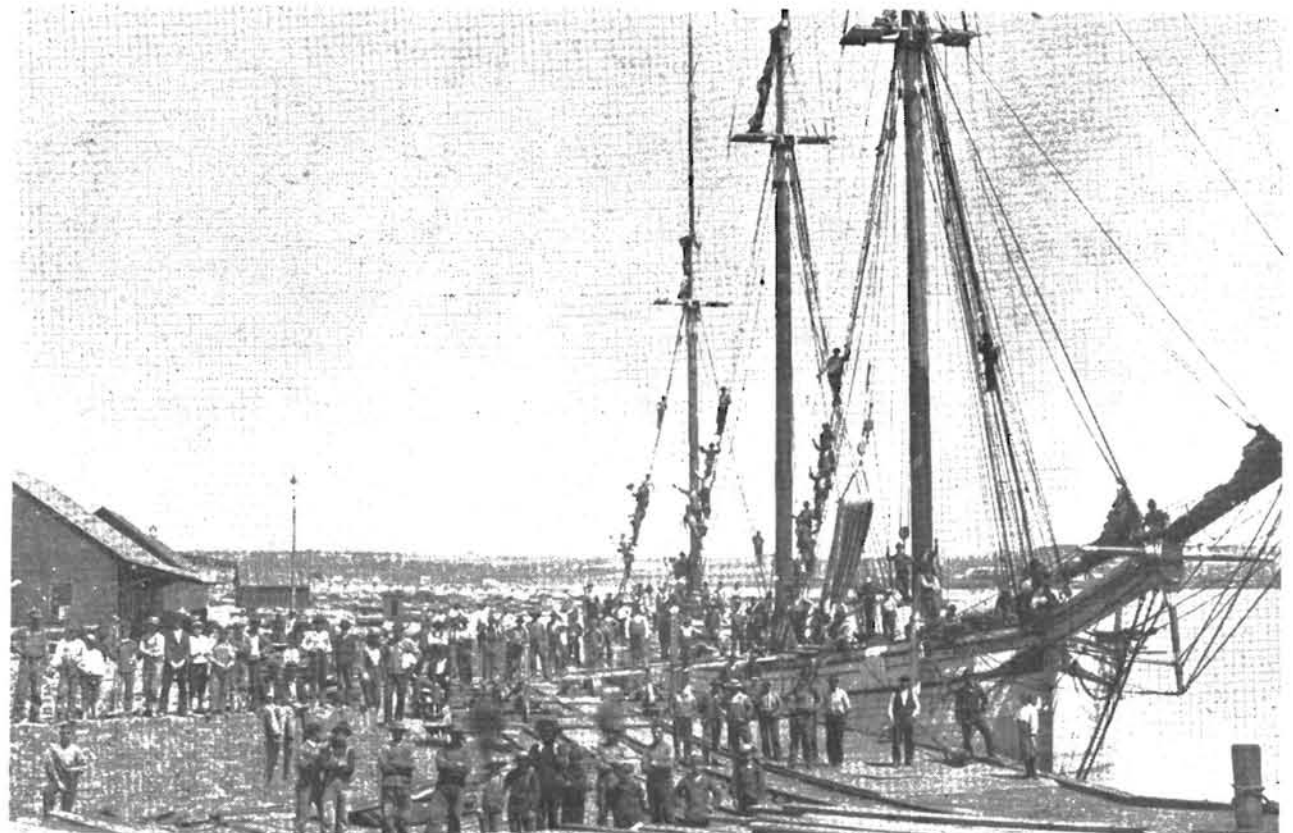
Young Harry: "Father, what's the difference between a gun and a machine gun?"

Dad: "There is a big difference. It is just as if I spoke, and then your mother spoke."

"F-e-e-t," the teacher sighed. "Johnny, what does that spell?" Johnny didn't know.

"Well," continued the teacher, "what has a cow four of and I have only two of?"

Johnny's answer threw the class into an uproar and the teacher into a state of embarrassment.



Sailing vessel discharging its cargo at the C. & H. dock in Lake Linden, 1894.