



Vol. 4, No. 9.

"What C. & H. Folks Are Doing"

July, 1946

Lake Chemical Company Now In Production

Copper Oxochloride Placed On Market For Public Use

Product Is Made From Scrap Metal

After many months of planning, engineering layout, and construction, the second production unit of Lake Chemical Company came of age on July 15, and without benefit of fanfare or christening began its job of producing Copper Oxochloride COCS in commercial quantities.

The manner in which all details were carefully considered prior to construction, and the painstaking care that was exercised by all departments in the assembly of the numerous units involved, assured a start-up unattended by the usual complications that develop in activating a new plant.

The engineering and plant layout job was ably handled by Howard Williams and Pete Ostlender of the Drafting Department, with the capable assistance of R. C. Lucht of the Harshaw Chemical Company. Much of the credit for a fine construction job goes to Isaac Karjala and Jack Lampsa of Will Warn's department, Charlie Cloutier of the Electrical Department, and John Weiss of Harshaw. Al Floeter's efficient expediting kept things rolling and prevented a lot of construction delays by seeing to it that materials of construction were always available. John Porvasnik of Harshaw is on the job as production expert, and will remain here until the plant is in full production.

The unit consists of six lead-lined reaction tanks, 7 feet in diameter by 12 feet high, in which scrap copper is reacted with chlorides and sulphates to form COCS. Approximately 16 hours are required to make the conversion, following which the attractive blue slurry is pumped into one of two 18,000-gallon slurry tanks. After the blending and conditioning in the slurry tanks, the slurry is dewatered on a large continuous Oliver Filter, where the greater part of the liquid is separated from the blue solid. The wet cake is loaded on trays and dried in large truck-tray driers until the material is commercially free from water. The truck and tray driers will eventually be replaced with a large Proctor and Schwartz continuous Aeroform Drier, but delivery of this unit will not be made before the end of the year. The dried product is treated in a micro-

pulverizer (to break up the lumps) and discharged into a storage bin, from which it is carried through a St. Regis Valve Bagging machine into multiwalled paper bags containing 50 pounds each.

The so-called "fixed coppers" sprays and dusts (high plant retention requiring fewer applications than Bordeaux or similar sprays) of which COCS is one type, are essential ingredients in many of the commonly used sprays and dusts for controlling a myriad of fungicidal growths on fruits, vegetables, and flowering plants. The "fixed coppers" may be effectively used in combination with the well-known insecti-

cides—lead arsenate, calcium arsenate, rotenone, nicotine, sulphur, and DDT. Initially, all of Lake's production, which will be of the order of 300,000 pounds per month, will be used in compounding "Niagara COCS Spray" and "Niagara Copodust" by the Niagara Sprayer and Chemical Company, Inc., Lockport, New York. Look for them next season at your local hardware or feed store in the attractive red, blue, and brown package.

Lake Chemical Company's operations will be treated in detail in a forthcoming issue of News-Views.

A. D. NICHOLAS VISITS HERE

Mr. and Mrs. A. D. Nicholas, of Boston, Mass., have returned to their home after spending two weeks in Calumet. Mr. Nicholas is Secretary-Treasurer of Calumet and Hecla.

Future of Copper Depends Upon the Government Control of Prices

During the past five years many laws were passed to deal with the emergency created by the war. Some of these laws were to remain in effect until after the formal ending of the war, while others had a definite termination date. June 30, 1946 was the termination date of three of these laws—the act creating the Office of Price Administration, the act creating the Premium Price Plan for Copper, Lead and Zinc, and the Wage and Salary Stabilization Act, which permitted the government to issue orders respecting wages and salaries.

The most vital of these to Calumet and Hecla was the act creating the Premium Price Plan. Because some of the larger Western copper producers were able to produce copper at very low cost, O.P.A. maintained a price ceiling of 12¢ per pound on copper during the war. It was recognized that this price was not adequate to permit the higher cost producers, such as Calumet and Hecla, to continue to operate, and the Premium Price Plan permitted the Government to pay premiums in addition to the ceiling price. Until April 1, 1946, the maximum premium which this Company could receive was 5¢ per pound. Because of the increase in cost caused by the wage increase of April 1, 1946, the maximum premium which the Company was permitted to receive was increased to 10¢ per pound.

Since these three acts expired at the same time, one bill was introduced in Congress to extend all three of

them. No particular controversy arose over extension of the Premium Price Plan or Wage Stabilization, but the Senate drastically restricted the powers of O.P.A. Within a few minutes of the passage of the bill on June 29, 1946, President Truman vetoed it. As a result, price control, wage control, and premiums all went out of existence on July 1. Attempts were immediately made to extend O.P.A. by a simple resolution, but these attempts failed, and the Senate again added many restrictions to O.P.A. powers in the new bill. At the time of writing, the House of Representatives has refused to pass the Senate version of the bill, and the matter is in conference between representatives of the Senate and the House of Representatives.

There have been no controls during July, but congress has been working to revive them. It is impossible to predict whether a new act will pass, or what it will provide if it is passed. There appears to be a distinct possibility that, if passed, it may be vetoed.

This confusion has made it impossible for this Company, or the copper industry, or industry in general, to know how business will be conducted in the future. As a result, this Company has not sold copper during July, since it has no way of knowing what price it may ultimately receive. The whole month of July to date has been spent in marking time and waiting to find out what is going to happen.

Gratiot Shaft Reopens Soon

Work of preparing the Seneca No. 2 (better known as the Gratiot Mine) for resumption of operations is going along with satisfactory progress. The surface plant is being repaired and renovated. A hoisting engine house which is nearly completed, will house a small electric Nordberg hoist which has been in use at Centennial Mine. This unit will be used temporarily while shaft repairing is under way, and until the permanent engine house has been built. This small hoist will operate a two and one half ton skip, and will be placed in operation just as soon as the electric service to the property is available.

Electric power for the hoist and compressor will be transmitted to the property by way of the old Seneca Power Line. The right-of-way has already been brushed out and a 6-pole tower and substation will be erected at the mine.

The new permanent engine house will be erected soon, using most of the material from the No. 13 engine house at Calumet, and the Nordberg hoist, now located at No. 13 shaft will be moved to the new location at the Gratiot property. The old compressor house at Gratiot will be dismantled and the material used to build a dry-house.

The boiler plant includes seven boilers, six of which are connected with the steam main. A water pond reservoir located on the property consists of two units; one of them of 90,000 gallon capacity, will be used to feed water to the boilers. The other is of 600,000 gallon capacity, and this will be used for fire protection and for cooling the compressors. Water to fill these reservoirs was pumped from a natural pond about 1,400 feet away. The old railroad right-of-way from the Seneca No. 1 property, connecting with Gratiot is being made ready for use, and new ties to carry the steel will replace those formerly in use on the line.

COAL BOATS ARRIVING

The steamer "Ball Brothers" arrived at the Company's dock on Torch Lake a few days ago, discharging a cargo of 8,200 tons. The dock now contains a total of 58,712 tons of coal. It is expected that an average of one ship a week will be unloaded at the C. & H. dock during the summer season and an ample supply of coal be assured for the winter.

C. & H. News-Views

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In the Interest of Its Employees

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Copper Mining Company and its
Various Branches.

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AGASSIZ PARK IS A REAL BEAUTY SPOT

The Agassiz Park, situated between the Village of Calumet and the mining properties, is one of the most beautiful parks in the Upper Peninsula. This attractive plot is a memorial honoring the memory of Alexander Agassiz, the founder of Calumet and Hecla. It is bounded by a border of trees, shrubs and flowers, which are all kept in excellent condition, under the direction of Otto Kananen, who is in charge of the park. The flower garden on the east side of the park is of exceptional beauty this year. Numerous varieties of annuals and perennials bloom in profusion along shaded walks, and many people of the community delight in spending leisure hours resting in the quiet of this sanctuary.

On the south end of the park, an attractive plot surrounds the Community's War Memorial, a large bronze tablet rests on a solid block of granite, behind which "Old Glory" flies from a stately mast.

Pathways through the park invite those who are out for a walk to stroll through the place and enjoy the friendly shade and comfort. These paths lead to a large bronze monument of Alexander Agassiz, sitting at rest, as if looking over the park, and in friendly salutation to the children of those pioneers, who worked with him in the development of one of the world's greatest copper mines.



Jacob Vertin, Jr., Aviation Engineer T/5. Entered the service in January 1943 and was discharged in November 1945. For thirty months he was in the European Theatre of operations and is now back on his old job as a car dumper at the Ahmeek Mill.



Lloyd Goninan, a welder at the Lake Linden Reclamation, proves that he is handy with the paint brush



Between his potato field and painting, "Pat" Sheehan, Iroquois dry and lamp man, is kept busy.

H. E. WILLIAMS RETIRES AFTER 47 YEARS SERVICE

Howard E. Williams, Chief Draftsman for Calumet and Hecla, retired July 1 after 47 years of continuous service in the company's drafting department. Mr. Williams came to Calumet and Hecla October 2, 1899, and



H. E. Williams

in May of 1901 he became Chief Draftsman, holding that position until his retirement.

During the nearly half century of service with the Company, Mr. Williams saw many changes in the Company's plants and operations, in the building of new plants and remodeling of others. He had considerable to do with the plans and specifications.

Mr. and Mrs. Williams will continue to make their home on Calumet Avenue. During the summer months they are enjoying themselves at their attractive summer home at Eagle Harbor.

Explorer: "Does your tribe know anything about religion?"

Cannibal: "Well, we had a taste of it when the last missionary was here."

Make every day a safety day.

REESE SPENCER TAKES POSITION WITH C. & H.

Reese R. Spencer, of Dundas, Ontario, has assumed his duties as Assistant to Mechanical Superintendent Robert McIntosh. Mr. Spencer, whose headquarters are at the General Office Building in Calumet, formerly was the Assistant Manager of the Canadian Sullivan Machinery Co. Prior to going to Canada for this firm he was engaged at the Sullivan Company's Michigan City, Indiana plant for more than nine years.

Mr. Spencer is well known in the Copper Country, having studied at Michigan Tech, of which he is a graduate in engineering.

Jane: "Did you observe that Perry Wilmer gave me his first dance last evening?"

Grace: "Yes, he told me later on he believed in getting disagreeable things done as soon as possible."



William A. Oxnam, assistant secretary and assistant treasurer, of the Calumet and Hecla Consolidated Copper Company and subsidiaries.

To the Editor

Dear Mr. Murphy:

You will perhaps remember me better as Raymond Munch who said his First Mass in the Sacred Heart Church, Calumet, in 1932. I am now Assistant to Fr. Charles Coughlin at the Shrine of the Little Flower in Royal Oak. I have been here since the end of January. Last Sunday I was at the home of Hilary Holland, a former Calumet resident. That evening we went to the home of his father-in-law, Mr. Jerling, also an old-timer from Calumet. While at his home he showed us a copy of the C. & H. News-Views. I was unaware that such a publication existed, having been out of touch with the Copper Country since my folks moved away. But anyone from Calumet never loses the love for the Copper Country and when I saw the publication it brought back fond memories. To have something tangible to nurse my nostalgic memories of the Copper Country I would like to be placed on your mailing list.

I wish to take this opportunity to congratulate the C. & H. for publishing such a fine paper. More success to you and may you continue to boost the good old Copper Country—the one place in the United States that is different from any place else.

I am, Sincerely,
AURELIAN MUNCH, O.F.M.
Shrine of the Little Flower
2201 Roseland Ave.
Royal Oak, Mich.

Addis Ababa, Ethiopia

Mr. J. W. Alt,
Box 231,
Calumet, Mich.

Dear Mr. Alt:

Just a few lines to tell you how much I enjoyed the February issue of the News-Views. Dad sees that I get the paper every month and I enjoy it a lot. The pictures showing the mining operations were very interesting, especially for one growing up in the Copper Country. The issue showing the pictures of the deer I enjoyed much, too. It helped to explain to the folks out here just what snow is. We have had hail, but so far no snow. The climate—believe it or not—is very much like that of Keweenaw.

Thanks a lot for bringing part of home to me, 6,000 miles away.

With sincere regards,

ALICE HOCKING

CALENDAR FOR AUGUST

- 4—Anniversary of founding of Coast Guard, 1790.
- 5—First message sent between Europe and U. S. by Atlantic cable, 1858.
- 11—Atlantic Charter made known to the world, 1941.
- 14—Payday, Torch Lake district.
- 15—Panama Canal opened, 1914.
- 16—Payday, Calumet - Keweenaw district.
- 20—National Aviation Day. Honors birthday of Orville Wright, 1871.
- 22—First petroleum well opened, Titusville, Penn., by Edward L. Drake, 1859.
- 30—Payday, Torch Lake district.
- 31—Payday, Calumet - Keweenaw district.

... NEWS AROUND THE MINE ...

Our congratulations and best wishes to Mr. and Mrs. Albert F. Rule who were married on June 8. Albert, who is employed at the Smelter took as his bride Miss Clarice James. They will make their home in Laurium.

Those good safety records of your plant, department, shift or shaft are made because of your efforts to prevent and eliminate accidents.

On June 16, Mr. and Mrs. Jordan Hillenbrand and daughter moved to their cottage at Little Traverse Bay. They will make their home there until Labor Day. Jordan is employed at the Tamarack Reclamation Plant.

For Sale—Fresh vegetables. By Clifford Sibilsky, who has a garden at the foot of the Calumet Hill in Lake Linden.

Our congratulations and best wishes to Mr. and Mrs. Arthur Garipey who were married on June 1. Arthur, who is employed at the Smelter, took as his bride Miss Nathaline Reilly. They will make their home in Hubbell.

On May 23 Miss Genevieve Zanotti of the Hospital caught 10 brook trout.

It takes only a little chance to make a big accident.

For dependable trucking service, call James Barinotti, who resides at 1682 Laurium Street, Calumet. "Jimmy", who is employed at the Smelter, is ably assisted by James Adams.

Our congratulations and best wishes to Mr. and Mrs. Robert J. King, who were married on May 11. Robert, who is employed at the Smelter, took as his bride Miss Ella Cadwell. They will make their home in Hubbell.

For training love birds—call Mrs. Frank Archambeault, who resides on Calumet Avenue, Raymbaultown. Frank is employed at the Smelter.

On June 9, William Rashleigh, who is employed at the Ahmeek Mine Engine House, caught a 44 inch long pike that weighed 20 pounds.

Always remember that safety is everybody's business.

During the week of June 2, Joe Jackovich, who resides in Mohawk,

and is employed at Ahmeek Mine, caught 50 brook trout.

The boy with a friendly smile—Lester "Buck" Blondo of the Smelter.

Our congratulations and best wishes to Mr. and Mrs. John Limback, who were married on May 25. John, who is employed at No. 4 Kearsarge, took as his bride Miss Helen Strauss. They will make their home in Calumet.

Now is the time to place your orders for turkeys to be delivered for Thanksgiving or Christmas. Call Bill Makolin of the Calumet Construction Department, who resides at 349 Franklin Street, Laurium, phone number 393-M.

On May 20, Mr. and Mrs. Henry Schmitt of "A" Street, Raymbaultown observed their 50th wedding anniversary. Two sons, "Jack" and George and a son-in-law, Oscar Archambault are employees of this Company.

On June 4, "Milt" Prideaux, Jack Korri, and "Ted" Prideaux, made a trip up the East Shore of Keweenaw Point in Jack's outboard motor boat, and at a stream caught 21 speckled trout which were from 10 to 18 inches long.

Don't forget that it hurts just as much to be injured while off the job as it does if you are injured while at work. Whatever you are doing, do it the safe way.

For expert lawnmower sharpening jobs call Hubert Roux of the Calumet Construction Department, who resides at 1662 Laurium Street, Calumet, phone number 183-W.

For Sale—Lawn Figurines—by Frank Archambeault of Calumet Avenue, Raymbaultown.

Our congratulations and best wishes to Mr. and Mrs. John N. Mantz, who were married on June 15. John, who is employed at the Machine Shop, took as his bride Miss Mary Badovinac. They will make their home in Swedetown.

John MacDonald of the Centennial Rockhouse caught 87 fish during the week of June 10 at Lake Medora.

Our congratulations and best wishes to Mr. and Mrs. Frederick Nelson, who were married on June 15. Fred, who is an employee of No. 4 Kearsarge, took as his bride Miss Violet Nelson. They will make their home in Allouez.

For teeth extraction call Mark Gemmel of the Calumet Blacksmith Shop. Painless extraction guaranteed.

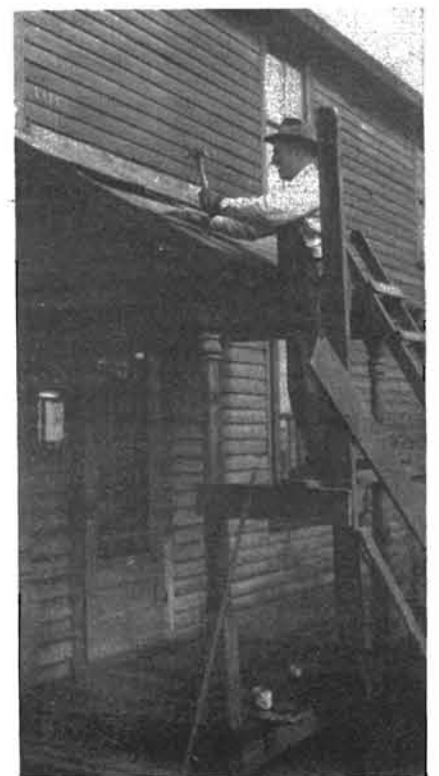
For sale—Handmade leather neckties. Made at reasonable price and guaranteed to last a life time—by "Tony" Rost of the C. & H. Police Department.

Our congratulations and best wishes to Mr. and Mrs. Guy Dessellier, who were married on June 15. Guy, who is employed at the Smelter, took as his bride Miss Ellen Beaudoin. They will make their home in Hubbell.

On June 2, John DeFilippi of No. 3 Allouez caught 15 speckled trout. 9 of the fish were over 12 inches long and the others were over 10 inches. Congratulations to the men of the



Ludger "Jerry" Cassette of the Lake Linden Reclamation improves his house by doing some painting.



Joe Spreitzer, of the Railroad, builds a porch.

Ahmeek Mine Electrical Department. On July 10 these men completed a 6 year safety record.

Our congratulations and best wishes to Mr. and Mrs. Reuben L. Garipey who were married June 29. Reuben, who is employed at the Smelter, took as his bride Lois Vivian.

There's always something new and better in safety. During the shutdown while the shaft repair work was going on at No. 3 Ahmeek, Peninsula, Centennial and No. 4 Kearsarge, there was but one lost time accident. These men are to be congratulated on their good work in accident prevention.

The man who is always free for engagements—call "Glen" Beaton of Iroquois shaft, who resides in Laurium.

For advice to house cleaners, consult Emil Bonetti of the Ahmeek Mill. Emil has a little method of his own on how to get rest periods.

Good safety records can only be made through the efforts of everybody.

Our congratulations and best wishes to Mr. and Mrs. John I. Cadwell, who were married July 11, 1946. John took as his bride Verna Paulson, who is employed at the Lake Linden office. John is employed at the Smelter.

The man who always smiles—Albert Primeau of the Ahmeek Mill.

COMPENSABLE ACCIDENTS May, 1946

Douglass Underground

May 8—Michael Somero, miner. Climbing into chute, rock rolled down and struck his hand. Fracture of left ring and little fingers. Estimated time lost, 8 weeks. Foreman, E. Djerf.

No. 4 Kearsarge

May 8—Norman Johnson, trammer. While filling a tram car, a large piece of loose rock struck him. Fracture of right leg below the knee. Estimated time lost, several months. Foreman, A. Ohman.

Smelter

May 28—Richard Prophet, laborer. Unloading cathodes from a box car, one fell on his foot. Fracture of left great toe. Estimated time lost, 3 weeks. Foreman, W. Curnow.

June, 1946

June 18—Peter Wakkala, carpenter. Replacing ties on a trestle, stepped on end of tie and fell to ground. Fractured ribs. Estimated lost time, 4 weeks. Foreman, E. Marcotte.

Lady of the House: "Who was that on the phone, Betty?"

New maid: "Nobody, ma'am; just a girl who said 'It's a long distance from New York,' and I said, 'It certainly is,' and then hung up."



George Schmitt of Iroquois Shaft with car coupling showing the safety handle he devised.



"Tony" Capello, who resides in Centennial, hooks up his team and plows his large garden. "Tony" is an employee of the Calumet Motive Power Department.

Company Employees Kept Busy at F



Oliver Michaud of the Ahmeek Mill excavates for a foundation and basement under his house.



George Geshel of No. 4 Kearsarge building a garage.



Just taking it easy—Wilbert Hodges and "Art" Rader of the Railroad and Joe Cote, Kearsarge miner.



Charles Larson of the Foundry improves his house by building a sunporch.

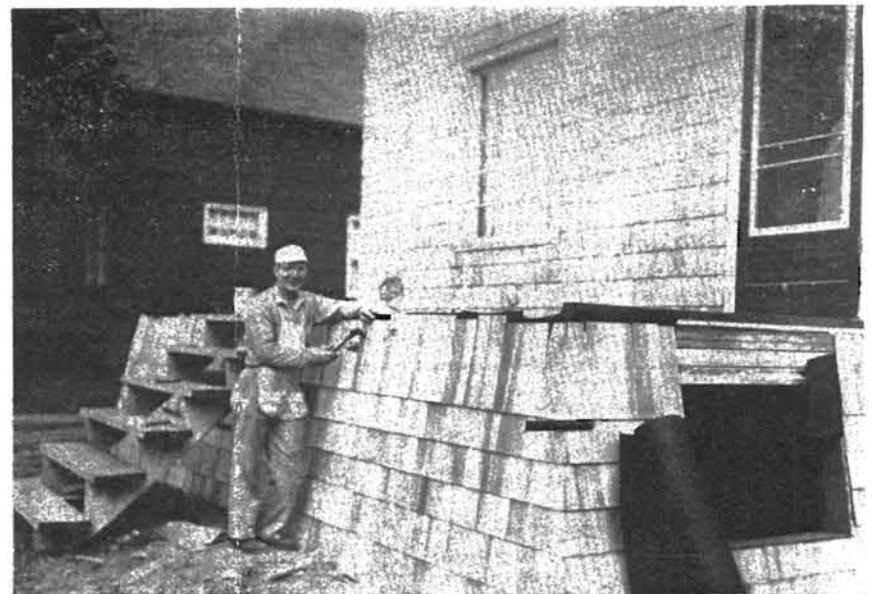
DURING the period of the shutdown because of the lack of coal, many of our employees took advantage of their opportunity to make renovations to their homes, thereby making valuable use of their time. Some have even cultivated home gardens during the period. The shutdown elapsed before sufficient coal was available to resume mining operations.

The sportsmen among us took advantage of their time for fishing, many of them reporting that they had caught some fish. Those who remained in town to keep themselves busy, while others went to other places, availed themselves of the opportunity to visit relatives and friends in Michigan cities.

The shutdown, made necessary because of the lack of coal with which to operate the company here, presented a problem to the company. The usual people here evidenced themselves as being busy. One made the most of the situation and took the pictures on this page. We hope you will enjoy them. June 17th.



Herman Anderson of the Roundhouse building a garage.



Richard "Hap" Webb of the Foundry starts work on a porch.

Home During the "No Coal Vacation"



Having completed building an enclosed porch, Joe Notario of the Foundry does a paint job on his house.



The famous "Giacoletto Line" gets the finishing touches. Here "Vic", center, chief mason, assisted by his son, left, and Delore Perreault. "Vic" Giacoletto is an employee of the Ahmeek Mine and Delore is employed on the Railroad.

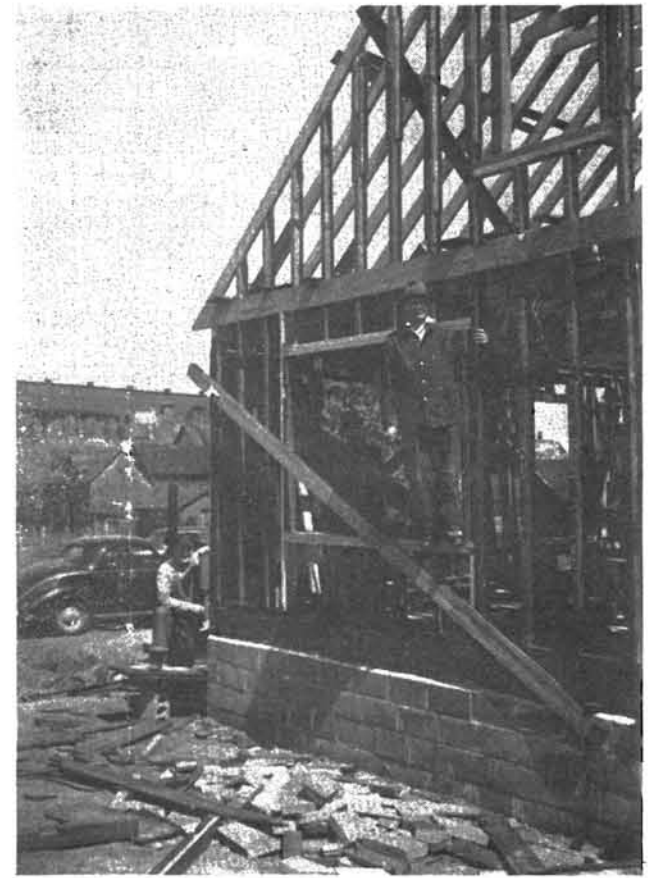
when operations were suspended because of the shortage of coal, many took advantage of the opportunity to make repairs to their homes. During the "No Coal Vacation" of the six weeks that had been secured to permit repairs...

...enjoyed the stream and lake and caught splendid catches of trout. The neighborhood found plenty of time at hand to visit relatives in Detroit and other lower...

...cessary because of the lack of coal. The many branches of the problem for the entire Calumet area were solved by the energy and initiative of the men at this time, when every effort was made to get production resumed on Monday.



George Bashaw of Tamarack Reclamation proves he is handy with a paint brush.



"Art" Aho of the Ahmeek Mill building a new house with the help of "Pete" Blaski, Lake Linden Reclamation carpenter.



Jack Harry gives his son-in-law Eino Waananen a hand on sawing up the wood pile. Both men are underground employees of Ahmeek Mine.



Jack Wilson, Patternmaker, uses his skill and builds an enclosed porch.

DR. BENEDICT TELLS OF BIKINI BLAST

Dr. Manson Benedict, Chairman of the War Department Technical Committee for the Inspection and Control of Atomic Energy, addressed a meeting of the Calumet and Hecla Supervisors Club here recently. Members of the Calumet Lions Club and several other local men were guests on the occasion.

Dr. Benedict, who was present at the Bikini experiment, gave a graphic and most interesting account of the "Operation Crossroads." He described the view as he flew over the fleet of ships anchored in the Atoll area prior to the blast, and then gave an account of the dropping of the bomb which exploded over the fleet. The results of the explosion were enumerated, and the speaker recounted the developments from the instant of the explosion of the atomic bomb until its dissipation in the atmosphere considerably later. He also outlined the various properties of the bomb and delineated the damage suffered by the various ships from the explosion and fires following it.

He spoke of the world wide interest in the bomb and its influence upon peace throughout the world. In commenting on the control of the bomb he endorsed the Baruch Plan for international control as a sensible means toward world peace and understanding among nations.

The meeting was presided over by Hogarth Penprase, Chairman of the Supervisors Club; Irving Sincok was secretary. The speaker was introduced by E. R. Lovell, President of Calumet and Hecla.

We Wish

Ludger Cassette of the Lake Linden Dredge would tell the boys why he is called "Jerry."

To thank Harold Herfan of Ahmeek Mill for his safety suggestion.

James Gray, Calumet timekeeper, would tell the boys why he wants a hair brush with a long handle.

Frank "Francis" Hall of the North



"Art" Theodore Mehrens Myntti enjoying that rocking chair.

Ahmeek Drill Shop would tell the boys where he got the sun tan.

To thank Dominic Brusso of No. 3 Allouez for his safety suggestion.

Ramon P. Gregorich of No. 3 Allouez would tell the boys why he is called "Ray."

We had a picture of Jack Musich of the Smelter listening to a broadcast of a Tiger baseball game. The Tigers had three men on and nobody out when the broadcast stopped. Was Jack mad?

Matt Kooptikka of the Ahmeek Mine Rockhouse would tell the boys why he is called "Spotty."

To thank Jack Yates of the Police Department for his safety suggestion.

To thank Leo Schick and "Pete" Eeilman of the Smelter for the safety suggestion.

You could hear "Pete" Murphy and "Tony" Rost of the Police Department tell about the beautiful scenery at Ojibway.

We had a picture of Joe Limback, office yardman, trying to keep up with the power lawn mower while cutting grass.

To thank James F. Beaudette of the Smelter for his safety suggestion.

We had a picture of those big fish and those big catches of fish that you are getting. When you get that big fish or catch call the News-Views photographer "Jake" Alt, phone the office 584 or residence 835.

Everett Chapman of the Smelter would tell the boys why he is called "Barney Oldfield."

We wish Hubert and Lawrence Monette of the Tamarack Reclamation would tell the boys why they are called "Hans and Fritz."

To thank Napoleon Monette of the Smelter for his safety suggestion.

"Jimmy" Barinotti of the Smelter would tell the boys about the accident he had in the wash room.

We knew why some men refuse to wear safety shoes. These shoes may be purchased at cost from the Supply Department. One toe injury will pay for many pair of safety shoes and their use will prevent much pain.

TROOPS RETURN FROM GRAYLING ENCAMPMENT

Several of our employees spent their vacation at the State Troop encampment at the National Guard Camp near Grayling. Company A Engineers of Calumet left the Armory here July 8 and returned on the 20th.

Several battalions from various cities throughout the State spent this two week period in military training under the direction of army experts. In the near future it is expected the National Guard will be organized in Michigan to supplant the Michigan State Troops which were organized as the State Militia early in 1942.

W. I. SINCOCK SPEAKS ON LABOR RELATIONS

W. Irving Sincok, Personnel Manager of Calumet and Hecla, recently addressed two groups of students at Michigan Tech. His first address was entitled "Labor Relations," and his second was "Explanation of Job Evaluation Procedure." Each of his addresses was followed by a round table discussion of the subject. The students were members of Professor Ernest E. Townsend's classes.



"Billy" Little, Ahmeek Miner taking off storm windows.



"Jimmy" Adams, No. 4 Kearsarge Miner, proves that he has the ability to hang wallpaper.

Boys and Girls

Mr. and Mrs. John Yowell are the parents of a daughter, born May 15, 1946. John is a miner at Iroquois.

Mr. and Mrs. Earl Nordstrom are the parents of a son, born June 8, 1946. Earl is employed underground at Ahmeek.

Mr. and Mrs. Robert Bonenfant are the parents of a daughter, born June 16, 1946. Robert is a trammer at Ahmeek Mine.

Mr. and Mrs. Lawrence Kaifesh are the parents of a daughter, born July 2, 1946. Lawrence is a miner at Kearsarge.

Mr. and Mrs. John Salmela are the parents of a son, born June 22, 1946. John is employed at the Centennial Mine.

Mr. and Mrs. Wendell Trevarrow are the parents of a daughter, born June 27, 1946. Wendell is employed at the Ahmeek Mill.

Mr. and Mrs. Arthur Longpre are the parents of a son, born June 30, 1946. Arthur is employed at Centennial Mine.

Mr. and Mrs. Frank Ferkovich are



"Pete" Stella of Centennial getting his large garden ready for planting. "Pete" is an employee of Ahmeek Mine.

the parents of twin daughters, born July 3, 1946. Frank is a trammer at Ahmeek Mine.

Mr. and Mrs. Raymond Moyle are the parents of a daughter, born July 9, 1946. Raymond is employed at the Tamarack Reclamation.

Mr. and Mrs. Anniable Spagnotti are the parents of a son, born July 10, 1946. Anniable is employed underground at Ahmeek Mine.

An employee in a war plant who had been putting in seven days a week until a recent change, had occasion one Sunday to punish his five-year-old son.

"What has happened?" asked the little fellow's mother as he came crying into the kitchen.

"Oh, that man who hangs around here on Sundays spanked me!" sobbed the youngster.

Good safety depends on you.



"Charley" Kuopus, Ahmeek Miner, assisted by Isaac Hiltunen, Kearsarge Miner, does a big improvement job on his house.

COMPANY GARDEN PLAN UNDER WAY

The Company Garden Plan, which succeeds the war time victory garden, is well under way throughout the Calumet, Torch Lake and Keweenaw districts. All of those who competed in the garden contest of a year ago, and a number of others, have garden plots which give promise of being real contenders for the prizes which will be awarded at the end of the summer season.

It is pleasing to note that there are more gardens and a greater area of ground planted this year than in the preceding years. The variety of vegetables being raised is evidence of the careful planning on the part of the gardeners.

The national plan of a garden for every home is more important this year than in any of the preceding years, because of the extreme poverty in war ravaged countries, and every person who can do so is urged to can every available pound of fruits and vegetables during the current canning season. By doing so the people of this nation will assure themselves of ample food and make it possible to feed the people who face starvation in the famine areas of the world.

Home Canning Time in some parts of the nation was held a week ago, but it was delayed in the northern part of the country until early in August. During this time it is hoped that every home will set aside at least one day as Home Canning Day.

WANTED

Sky hooks to hold up cottage while changing posts—by Walton Smith of the Lake Linden Reclamation.

The location of Jack Beaudoin's favorite trout fishing stream—by "Jimmy" Belobraidich of the Ahmeek Mine Blacksmith Shop and "Tony" Rota of Ahmeek Mine.

The location of a good trout



Ed. Soronen gets some help from his young son while leveling off a load of earth to improve his lawn. Ed., who is an employee of the Ahmeek Mine Electrical Department, resides in Kearsarge.

stream—by Raymond Gertz of the Smelter. This year Ray made a number of unsuccessful fishing trips.

A picture of "Jerry" Mondeau running out of the Smelter on May 19. News items for the News-Views.

A whooping cough cure—by Wally Smith of the Smelter.

Everybody wearing safety shoes while on the job. Safety shoes are cheap insurance for your feet.

To buy—a good second hand car—by Ole Horsma of the Smelter

An elevator in No. 3 Allouez Shaft House—by Sam Lark.

Believe It or Not

Fred Gipp of Centennial Mine, who has two rabbit hounds, let five young cottontail rabbits eat all of his transplanted aster plants.

Ray Karty of Ahmeek Mine is studying to be a ventriloquist.

The first shift that "Jerry" Murphy of Centennial Mine worked for the C. & H., he worked on Surface and went to work barefooted.

At the carnival, in a dart game, on the second throw, Ray Cadwell of the Hospital won a pair of nylon stockings.

"Pat" Rapson of the Ahmeek Mine Machine Shop, and "Abe" Troher of Ahmeek Mine were seen playing ball with the young boys. Later that evening "Pat" and "Abe" with the aid of a flashlight were seen repairing a window.

Jack Harry of the Ahmeek Mine said that he was out fishing twice and each time he caught his limit—no fish.

Accidents are not part of your job but the prevention of them is.

Mike Boggio of the Ahmeek Mine claims he has never had his picture in the News-Views.

Harry Burrows, mine rescue and first aid instructor, claims that the new law is that they are going to draft fathers who have no children.

Joe Steik of the Calumet Construction Department wears the same hat all year, summer or winter, while on the job.

John Pastor of No. 3 Allouez, claims he caught the limit of brook trout in 12 out of 13 fishing trips.

One of the Smelter electricians went fishing, came home with no fish but with a 5 pound white Pekan duck.

When "Rudy" Vollmer of the Ah-



ACCIDENTS STRIKE HOME



Carl "Doc" Bickle, Ahmeek Mine Machinist, who resides in the Ahmeek Mine Location, does a nice job at window washing.



William Rashleigh and son displaying a fish that "Bill" caught, a 44-inch long pike that weighed 20 pounds.

meek Mill was a young boy he had to push the baby carriage from Lake Linden Grove to Hubbell.

Safety suggestions are always appreciated.

"Hub" Monette of the Tamarack Reclamation claims he saw a brook trout that could only swim backwards.

During the shutdown, "Al" Teddy of Iroquois, who resides on Calumet Avenue, Calumet, had so much work to do at home that he lost 6 pounds.

Murphy was sick and the doctor had just finished examining him.

"I don't like his looks, Mrs. Murphy," he said.

"Neither do I," said that worthy. "But he's good to the children."

Teacher: "Johnnie, do you want to leave the room?"

Johnnie: "You don't think I'm standing here hitch-hiking, do you?"

Treat your feet to a pair of safety shoes.



Carl Ruuska, who was a Pfc. in the Field Artillery, entered the service on August 13, 1943 and was honorably discharged on December 5, 1945. He was in the European theatre of operation for 14 months and is now back on his old job at the Ahmeek Mine.



Alton Vivian, who resides on Rockland Street, Calumet, and is an engineer on the Railroad, is shown here decorating the interior of his home.



What was left of the coal pile on June 6, 1946.

Lightning Storm Damages Sub-Station at Calumet

About 1:30 P. M., July 10, one of the most severe lightning storms this district has experienced in several years broke and continued for several hours.

About 1:45, a stroke of lightning in the vicinity of the General Office caused a breakdown of one of the motor-generator sets at the Calumet substation. After a short time and what appeared to be a break in the storm, the second motor-generator set was started. Almost simultaneously with the starting of this machine, another lightning discharge came into the station breaking down the second machine.

This left the system without any 60 cycle generating facilities, which are used for providing street and general lighting throughout the Calumet district. To provide this service, it was necessary to make a connection with the Houghton County

Electric Light Company in the vicinity of the Road Commission crushing plant. Service was restored about 8 o'clock that evening.

During the storm, the 50 H. P. motor which drives the fan furnishing air for the cupola at the Foundry burned out, which necessitated the dumping of the cupola charge—a complete loss of production for the day.

At the machine shop, the motor driving a generator that provides direct current for the operation of cranes also broke down.

At the Lake Linden-Hubbell district, a 125 H. P. motor driving an 8-inch sand pump in the shore plant of the Tamarack Reclamation broke down.

Throughout the entire district, innumerable fuses on transformers and in buildings were blown but no material damage was done at the main generating station.

PLANT RESUMES AFTER "NO COAL" VACATION

On June 17, all operations of the Company which had suspended May 10 because of the shortage of coal due to the coal strike, were again in full operation. The Lake Linden Reclamation resumed production June 10, with the other plants and the mines reopening the following week.

On the whole, employees were glad to return to work, the benefits of the extended "vacation" of five weeks having begun to pale. However, many were kept busy during this period painting, renovating and repairing their homes, and building new sun porches, garages, etc. Others spent a good deal of time in the garden and the harvest this fall should show the results of the additional time and work expended. Others again, laid in their winter's supply of wood. In many instances, wives were happy to have "hubby" available to assist in the annual spring housecleaning. Fishing, both stream and lake trolling, were popular diversions.

A good proportion of the employees consider the layoff as their vaca-

tion period and do not contemplate taking time off for vacation purposes for the remainder of the year, especially as vacation pay was distributed to those eligible to receive it on the last payday in May.

NEW SOURCE OF 60 CYCLE POWER FOR C. & H. ASSURED

At the time of the coal shortage, in case of complete suspension of electric service from Calumet & Hecla, provisions were made to secure enough power from the hydro plant of the Houghton County Electric Light Company to operate the Lake Superior pumping station, the fire protection system for Lake Linden and Hubbell, and general lighting throughout the Calumet district.

To provide such service, a 1000 Kw. frequency changer, together with the necessary switching and auxiliary equipment was purchased and installed at the Lake Linden Power Plant. With this machine in operation, an exchange of power between the Houghton County Electric Light Company's system and Calumet and Hecla is possible.

CALUMET & HECLA IS EIGHTY YEARS OLD THIS MONTH

The Calumet and Hecla was organized eighty years ago this month. The milestone marking the four score anniversary passed quietly, but not without some consideration of the founders and those early pioneers who worked together in the establishment of the mine, which became the greatest copper mine in the world.

In 1916 the Golden Anniversary was staged in Calumet, at which time gold, silver, and bronze medals were awarded the employees, according to the length of service they had in the company. A souvenir booklet was published, detailing the history of the company and carrying pictures of the employees and officers. This interesting publication was created and printed in Calumet and a few copies are still available. Occasional-

ly there comes a request for a copy, from someone interested in the history of the mine. Anyone desiring a copy of this book may secure one through the Keweenaw Printing Co.

GARDENS WILL BE JUDGED IN LAST WEEK OF AUGUST

The judging of the gardens entered in the C. & H. garden contest will take place during the last week of August. All employees who desire may enter their gardens in the contest by registering with the News-Views. Merely drop a line to the C. & H. News-Views, P. O. Box 231, Calumet, Michigan.

The committee of judges will visit the various gardens and judge them for neatness, cultivation, arrangement and variety of crops as well as the abundance of each crop.

FIREMEN AT TOURNAMENT

Members of the Calumet and Hecla Fire Department are enjoying their annual trip to the Upper Peninsula Firemen's Tournament, which is being held this week at Bessemer. The Tournament opened with a parade which included more than twenty departments from the various communities of the Peninsula, and concludes Saturday evening.

CHAIRMAN OF COMPANY DIRECTORS SUMMONED

George S. Mumford, Chairman of the Board of Directors of the Calumet and Hecla Consolidated Copper Company, died recently at his home in Chestnut Hill, Massachusetts. He was well known in the Copper Country through official visits here, first as a director of the Company, and then as Chairman of the Board. He was elected to the Board of Directors in 1924, and upon the death of the late R. L. Agassiz, he was made Chairman of the Board.

Mr. Mumford, who was 79 years of age, was widely known throughout the eastern financial circles. He was a brother-in-law of the late President Theodore Roosevelt. He was graduated from Harvard University in 1887. In 1886 he was Captain of the Harvard Crew. In 1923 he coached the Harvard Crew, when his son George junior stroked the Varsity Crew in a race against Yale.

OSTLENDER MADE CHIEF DRAFTSMAN

Peter H. Ostlender recently was appointed Chief Draftsman for the Company to succeed Howard E. Williams, who retired July 1. Mr. Ostlender, who is well known throughout the community became associated with Calumet and Hecla in the



Peter H. Ostlender

Drafting Department in 1941. Prior to making his residence here he had long and valuable experience as a draftsman with the U. S. Metals Refining Company at Carteret, New Jersey.

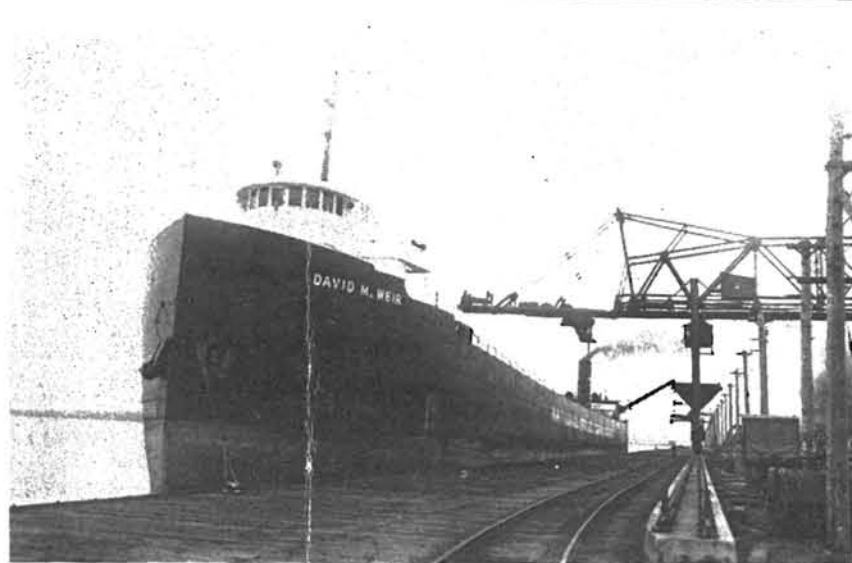
Mr. and Mrs. Ostlender and daughter reside at 1215 Calumet Avenue.



Wesley Korri, Navy BM2/c. Entered the service in September 1943 and was discharged in January 1946. For twenty months "Wes" was on an aircraft carrier on the Pacific Ocean. He is now back at the Centennial Mine.



John J. Vitton, who started working with the C. & H. as a draftsman on April 1, 1946.



On June 6, the steamship David M. Weir, with the first boat load of coal to arrive this year. This boat is 532 feet long and carried 9200 tons of coal.