

MECHANICAL DEPARTMENT
ANNUAL REPORT
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MACKINAW MINE:

A new belt was installed on the 4th. level Aldrich quintuplex pump as the old belt was completely worn out.

A new drum shell was installed in the 10' x 8' Wellman-Seaver-Morgan hoist to replace the old shell which was in very poor condition. This change was made in August.

Work dismantling the underground equipment was started in December and will continue until all equipment has been taken to surface.

GENERAL:

The General Shops have been very busy during the year. We have about 6 to 8 weeks work ahead of us at all times. However, we have been able to keep the mines and shovels operating without any delays.

There is considerable repairing to do on the steam shovels to put them in condition for next season's operations.

The garage has been able to service all the company cars and trucks with only two men employed.

MESABA RANGE:

CANISTEO MINE:

Due to moving the washing plant from old location to new one next to the pit the plant did not start operating until May 28th. and closed in October, washing 478,339 tons.

During January a 20-ton Walters four wheel drive truck equipped with 150 H.P. Cummins Diesel engine and using hydraulic steering was tested 8 hours each day keeping its place in line with the 15-ton Euclids in stripping on the south side of the pit. It proved it could keep going on a poor road where the Euclid would mire down, that it steered easier, and that it could carry a heavier load at the same speed with the same engine used by the Euclid trucks. Until it proves its endurance compared to an Euclid it can not be given serious consideration.

The Worden-Allen Company started erecting the washing plant in its new location in January and by the end of February had it assembled with machinery in position; but the riveting was not completed until the middle of March. During March and April the new steel for the 36" belt conveyor leading from crusher plant in pit to top of washing plant was erected, and the machinery installed. The following new equipment was received.

- 1 - 12" Hydroseal pump for tailings disposal
- 2 - 85-B Bucyrus shovels equipped with $3\frac{1}{4}$ yd. welded dippers
- 5 - 10-yd. Euclid trucks
- 1 - 1500 G.P.M. 260 ft. Goulds centrifugal pump
- 1 - 29-T Electric blast hole drill equipped with structure drilling attachment

At the same time one 120-B shovel No. 35 was shipped to the Hill-Trumbull Mine and the other, No. 32, to the Holman Mine. Locomotives No. 104 and 106 were also moved to the Holman Mine.

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CANISTEO MINE: (CONT'D.)

A new power line was installed in the pit for the electric shovels and drills.

Some trouble was experienced after the washing plant started in May. A new 100 H.P. General Electric motor driving one of the 3 flights of belt conveyor burned out in June and was rewound. The speed of the Hydroseal sand pump was reduced from 720 to 600 R.P.M. and gave better service. The hold back brakes on head pulleys of conveyor belts proved too light and were replaced. A 10" Morris pump was installed as a spare to take care of tailings sand if the Hydroseal pump needed repairs. By the time the season closed the washing plant equipment was giving satisfaction.

In August the steel buildings were given a coat of aluminum paint that decidedly improved their appearance.

During December stripping on the south bank was renewed using 2 - 85-B shovels and 12 trucks and moving over 10,000 yds. per day.

HOLMAN-CLIFFS MINE:

In January the work of overhauling the washing plant was approved and orders placed to get it in operation by May. Deliveries were slow and the mill did not start until June 4th. It closed October 17th. with a total for the season of 425,274 tons concentrates. Several changes were necessary to bring it up to date as it had not operated since 1931.

A new 5' x 14' double deck vibrating screen was purchased from the Robins Conveying Belt Company to replace the old revolving screen.

A new 25 ft. log washer from the Lake Shore Engineering Company was installed to replace the one moved to the Canisteco Mine.

Four Akins classifiers were purchased to replace the old Dorr bowl classifiers.

Two 4' x 6' Allis-Chalmers single deck vibrating screens were installed, one on each discharge of the 25 ft. logs to reduce the moisture in the concentrates.

At the substation three 250 kva transformers were installed as the previous bank was found too small. As these units were not received until May two 100 kva transformers were connected up temporarily in April to try out the machines ready for operation.

During February the 7000 G.P.M. pump was operated in the pit, lowering the water 28 feet. This was low enough for all operations in the west pit so a smaller 1600 G.P.M. pump was used in March and the remainder of the season.

In April the shops were reopened and required considerable repairs to place them in good condition again. It was necessary to revamp the round house to care for steam locomotives in the north end and 15-ton Euclid trucks in the south end.

The heating boiler was replaced with a repaired steam shovel boiler from the Hill-Trumbull Mine and set up in a new building just east of the blacksmith shop. A vacuum pump was purchased in overhauling the heating system.

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HOLMAN-CLIFFS MINE: (CONT'D.)

A locomotive pit was built of concrete in the round house and a pit jack was installed that was transferred from the Canisteo Mine.

A new power driven hack saw was set up in the machine shop.

The motor driven compressor from the washing plant replaced the worn out one in the machine shop and a larger compressor was purchased second hand from the village of Marble for use at the washing plant.

HILL-TRUMBULL MINE:

As the stripping program was completed in January all equipment was moved to the shops and overhauled.

At the washing plant the 4' x 12' revolving screen was scrapped and replaced with a 5' x 14' double deck vibrating screen purchased from the Robins Conveying Belt Company. This change required some resetting of structural steel supports.

The washing plant started operations May 6th. and shut down October 1st. producing 797,085 tons of concentrates. The pit operations continued after this date direct shipping a total of 289,980 tons.

In April the No. 35 120-B shovel from the Canisteo Mine was erected in the pit and operated for the season.

Considerable repairs were needed on the 350-ton Marion shovel. The caterpillar traction wheels developed cracks and were patched and welded. As present plans call for the use of this machine for only one more year no extensive repairs will be made on it. In August the 8-yd. bucket was replaced with a 6-yd. to use in ore loading.

In October when the washing plant was shut down and the machines dismantled for inspection it was found that the 8' pan conveyor head sprocket had cracked almost half way through. This was welded but a second sprocket will be purchased to eliminate any extensive delays in the future.

Due to the better performance of the Akins classifiers at the Holman plant it was decided to replace one worn out Dorr bowl classifiers with two new Akins classifiers and work started in December to change the structural steel to fit the new machines. To fit them in properly it was necessary to raise the 25-ft. logs and shift the belt conveyors leading to the crushers.

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Total connected load at Mesaba Range Mines December 31, 1940	5,825 H.P.
" " " " Spies-Virgil " " " "	1 440 "
" " " " Ishpeming District Mines Dec. 31, 1940	28 009 "
Total spare motors on hand at Ishpeming District Dec. 31, 1940	7,499 H.P.
" " " " " " " Mesaba Range Mines " " "	2 273-3/4 H.P.
" " " " " " " Spies-Virgil Mine " " "	150 "

D. C. GENERATORS AND MOTORS

Total underground haulage generators - Ishpeming District	2,025	K.W.
" exciters and generators - " "	2 424-3/4	"
" motors - " "	5 250	H.P.
Spare D.C. generators - " "	500	K.W.
" U.G. haulage generators - " "	100	"
" D.C. motors - " "	195	H.P.
" " exciters - " "	52	K.W.

MESABA RANGE MINES

Total haulage generators	80	K.W.
" exciters and generators	1,246	"
" D.C. motors	1 203-1/4	H.P.
Spare D.C. motors	40	"

SPIES-VIRGIL MINE

Total haulage generators	100	K.W.
" exciters	10	"
Spare haulage generators	100	"
Total D.C. motors	88	H.P.
Total mine transformers	290	2,661 K.V.A.

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COMPARATIVE TABLES

<u>YEAR</u>	<u>TONS ORE AND ROCK HOISTED</u>	<u>CU. FT. AIR USED</u>	<u>CUBIC FT. AIR PER TON HOISTED</u>	<u>GALLONS OF WATER PUMPED</u>	<u>G.P.M.</u>
<u>CLIFFS SHAFT MINE:</u>					
1931	315,492	592,506,000	1,878	350,061,000	
1932	92 125	188 127 000	2 042	369 057 075	
1933	61 623	160 033 500	2 596	362 896 379	
1934	235 639	394 168 500	1 672	348 670 324	
1935	288 053	516 140 000	1 791	366 504 523	692
1936	484 310	907 194 600	1 873	389 395 743	739
1937	579 759	1,102,635,000	1 901	370 765 799	705
1938	352 983	735 452 000	2 083	362 700 824	689
1939	415 682	790 875 000	1 902	363 540 036	693
1940	573 487	1 053 990 000	1 837	362 590 686	686
<u>ATHENS MINE:</u>					
1931	254,660	686,750,000	2,696	136,215,501	
1932	77 639	209 925 000	2 703	205 070 447	
1933	49 506	152 235 000	3 075	194 073 179	
1934	166 412	334 485 000	2 009	179 244 454	
1935	205 683	527 355 000	2 561	154 911 562	292
1936	318 604	698 985 700	2 193	134 999 491	255
1937	455 512	884 565 000	1 941	134 521 343	257
1938	276 800	643 005 000	2 322	165 316 266	313
1939	416 225	819 405 000	1 968	173 774 003	331
1940	526 456	1,196,505,000	2 272	185 418 833	351
<u>MAAS MINE:</u>					
1931	332,206	756,405,000	2,076	585,922,823	
1932	97 295	210 825 000	2 166	576 727 573	
1933	143 845	367 560 000	2 555	554 157 402	
1934	294 372	601 920 000	2 044	550 020 020	1,177
1935	370 399	686 520 000	1 853	597 349 626	1 129
1936	549 615	897 919 800	1 634	674 397 310	1 279
1937	784 328	1 251 710 000	1 595	686 467 622	1 307
1938	438 359	742 635 000	1 694	752 268 448	1 429
1939	528 389	1 005 165 000	1 902	726 916 014	1 386
1940	709 755	1 288 665 000	1 815	710 849 782	1 346
<u>NEGAUNEE MINE:</u>					
1931	346,533	620,641,000	1,791	482,294,599	
1932	86 650	209 970 000	2 423	477 360 416	
1933	65 661	166 050 000	2 528	448 928 213	
1934	240 808	437 985 000	1 818	435 724 897	
1935	311 446	481 680 000	1 546	485 600 207	918
1936	530 844	737 716 000	1 389	483 287 423	916
1937	839 283	1 096 200 000	1 306	562 290 718	976
1938	439 588	771 210 000	1 754	534 118 975	1,015
1939	577 510	1 026 945 000	1 778	532 642 228	1 015
1940	890 598	1 296 675 000	1 455	377 169 929	714

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<u>YEAR</u>	<u>TONS ORE AND ROCK HOISTED</u>	<u>CU. FT. AIR USED</u>	<u>CUBIC FT. AIR PER TON HOISTED</u>	<u>GALLONS OF WATER PUMPED</u>	<u>G.P.M.</u>
<u>TILDEN MINE:</u>					
1931	137,010				
1932	19 957				
1933	94 194				
1934	167 688				
1935	190 511				
1936	291 341				
1937	305 418				
1938	85 889				
1939	170 276				
1940	205 612				
<u>LLOYD MINE:</u>					
1933	4,554				
1934	136 951	145,926,000	1,065		
1935	248 410	289 426 500	1 165		
1936	377 572	383 994 000	1 017		
1937	545 274	559 512 000	999		
1938	286 864	293 247 000	1 022		
1939	323 639	273 042 000	843		
1940	487 287	398 308 500	839		
<u>MACKINAW MINE:</u>					
1931	80,801	489,240,000	6,054	172,438,518	
1932	24 781	126 495 000	5 122	119 155 845	
1933	3 944	49 770 000	12 619	103 051 726	
1934	79 187	291 510 000	3 681	82 416 531	
1935	138 507	446 625 000	3 224	72 964 993	136
1936	185 954	692 415 000	3 723	67 049 662	126
1937	172 823	547 515 000	3 168	61 135 735	114
1938	48 824	256 234 500	5 248	44 633 865	90
1939	0	2 295 000		125 447 426	239
1940	0	4 185 000		136 981 169	259

THE CLIFFS POWER & LIGHT COMPANY
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Increased production in the iron mining industry resulted in the largest production and sales of electrical energy which have ever been experienced by The Cliffs Power & Light Company. During the year our total sales amounted to 83,205,861 kwh, which exceeds 1937 sales by approximately 9,000,000 kwh and 1939 sales by approximately 12,000,000 kwh. This increased sale of energy was accompanied by the highest production from our generating plants that we have been able to obtain so far, amounting to 81,609,200 kwh. At the same time purchases of energy amounted to 12,759,000 kwh, bringing the total energy produced and purchased to 94,368,200 kwh. This was an increase of approximately 15% over the 1939 energy produced and purchased. This increased production and sales was accompanied by a corresponding increase in gross revenues, the rate per kwh decreasing slightly below the 1939 rate of 1.4276¢ to 1.3994¢. The rate obtained during 1940, however, was slightly higher than that which was obtained in the second highest sales year of 1937. Total gross revenues from sales of electrical energy exceeded those of 1939 by \$145,514.54, and were \$133,000, or about 13%, higher than the revenues obtained during 1937.

Realizing last year that energy sales would tax our power facilities during 1940 and looking forward to further increases in load in the future, the Stone & Webster Engineering Corporation was retained to make a study of our power resources and demands. The study was conducted during February and March of 1940 and a complete report submitted April 1, 1940. The energy necessary to meet system requirements for the current year was estimated in this report at 90,000,000 kwh, but actual performance exceeded this estimate by 4,000,000 kwh or about 5%. This study emphasized the need of additional sources of both power and energy. Accordingly, arrangements were made and construction started on an additional 2000 kw unit to be installed in the present Hoist power plant to supplement peak load capacity of the present system, and detailed studies were made of additional sources to obtain energy. The result of these studies indicated that the two best sources from which to obtain our energy requirements in the future were either the installation of Diesel engine equipment in Ishpeming or an arrangement with the Wisconsin Michigan Power Company which would guarantee to us sufficient energy to meet such system requirements as might be expected within the next five years. After a study of the system with the Wisconsin Michigan Power Company we were assured by that company that their facilities, together with those which we had installed including the new unit at the Hoist power plant, would furnish adequate capacity and energy to meet all system requirements for the next five years. With this assurance from that company it was no longer necessary to make expenditures for plant facilities on our own system and negotiations for the purchase and installation of Diesel equipment were abandoned. As a result of these negotiations and other considerations a new contract was executed with the Wisconsin Michigan Power Company for a term of ten years which cancelled the old contract and changed the former agreement in such a manner that our company is no longer obligated to furnish any interchange energy to the Wisconsin Michigan Power Company system, and will receive all of the energy into our system from power plants located wholly within the State of Michigan.

After prolonged negotiations a new contract was executed between our company and the Munising Paper Company at Munising which cancelled the old contract but continued our interchange power agreements with that company. The new agreement provided for our purchase from the Paper Mill at a rate reduced from 1¢ to .65¢ per kwh, eliminated the minimum bill of \$16,000 per year which has been paid to the Paper Company in the past, and included operating provisions which past experience has proven will be valuable to our company.

Water conditions during 1940 were slightly better than average. The spring break-up occurred later than usual and for several weeks it looked as if we would be unable to fill all our reservoirs. However, a quick thaw in the middle

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of April caused a very satisfactory run-off and all reservoirs were filled by the first of May. The summer was exceedingly dry but because of the full reservoirs we refrained from purchasing appreciable quantities of energy until about the middle of August. The outlook for the fall and winter was then not encouraging, so energy was purchased heavily during September and October. We were fortunate in obtaining a good rainfall in November and snow in December which thawed during the holidays and produced additional stream flow, with the result that we have entered 1941 with approximately 7,000,000 kwh more in our reservoirs than we had at the same time last year.

The increased production schedule of our mining customers emphasized the necessity of better continuity of service during the latter part of 1939 and plans were made for changes in our production and transmission systems which would lessen the number and duration of service interruptions. During 1940 our entire transmission system was grounded and a new system of relays installed which provide for more prompt and accurate segregation of faulty circuits in times of trouble. New transmission line conductors were installed on one circuit to Gwinn from the Brownstone substation and two circuits between the Maas and Brownstone substation, and in several places on the transmission system on which exceedingly long spans existed. These conductor changes were prompted by experiences during wind and sleet storms which resulted in conductor breakages caused by insufficient strength in the #2 hard drawn copper wire of which our 30 kv transmission system is constructed. A supervisory control system was purchased and installed which enables an operator in the Brownstone substation to control the oil circuit breakers in the Gwinn substation. With this control available it is possible to use selective switching for the purpose of eliminating faulty circuits between the Gwinn and Brownstone substation and it is also possible to close the Wisconsin Michigan oil circuit breaker located at Gwinn in order to receive energy from that company. This change should result in much more satisfactory service conditions for Gwinn and the territory lying south and east of Gwinn. In order to improve voltage conditions and supply additional capacity the 30 kv transmission line was extended from the Maas substation to a point adjacent to the Negaunee and Athens Mines and a new substation was installed there for service to those two mining operations exclusively. Both water wheels at the McClure Plant were overhauled and conditions in them found to be worse than had been anticipated. It was found that due to cavitation one of the wheels was in much worse shape than had been expected and it was necessary to place it in operation while a bottom plate was ordered. This bottom plate has arrived and it is anticipated that it will be installed during the low water period of the coming winter. When this work is completed both of these generators will be in condition to give satisfactory operation for several years. Many other items of maintenance and system changes of a minor nature were done during the year with the same idea of bettering service conditions and assuring continuity of energy supply.

Final approval was granted by the Michigan Public Service Commission for the proposed rate changes in retail residential and commercial rates, the terms and conditions as to rural line extensions, and the wholesale power rate for limestone quarries and process plants, off of which were to be effective January 1, 1941. The contract with the Inland Lime & Stone Company for service to their quarry at Port Inland expired at the end of 1940. This and the preceding contract had been in effect for a period of 10 years, calling for purchase of energy by that customer at a rate of 1.5¢ per kwh and a minimum annual billing of \$60,000. Negotiations with that company have resulted in a new contract being executed which provides for the service being provided at a rate of 1.35¢ per kwh and a minimum of \$40,500 annually.

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A temporary extension to the present transmission system has been built to the Negaunee Mine Company's new shaft at Section 2. This line is to furnish temporary service during the sinking of the shaft. It is anticipated that the ultimate load from this mining operation will be approximately 6000 kva, with a probable maximum during the coming year of about 750 kw.

Construction work on the concreting of the wood pipe lines to the McClure and Carp dams was speeded up during this year by placing two crews on the work instead of one. During the year the concrete covering was applied to 3300 feet of this pipe line. At present the total amount which has been covered through 1940 is 9800 feet, which is approximately 50% of the total amount of pipe to be so reinforced before the work is completed.

The usual statistical data is appended.

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STATISTICAL DATA - 1940

Month	-	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
Precipitation-		1.41	1.49	1.09	3.20	3.86	4.07	2.33	2.60	2.07	2.77	3.67	1.78	
Total Precipitation at Ishpeming during 1940	-	30.34" (2.528')												
Average	"	"	Marquette											- 32.8" (46 year record)

CARP RIVER PLANT:

Drainage area above Intake Dam	66.66 sq. miles												
Cubic feet precipitation in 1940	4,697,969,900												
Kilowatt hours generated in 1940	16 705 800												
Cubic feet water utilized (90 cu.ft. - 1 Kwh)	1 503 522 000												
" " " in Carp Storage Basin Jan. 1, 1940	303 166 000												
" " " " " " " Dec.31, 1940	317 789 200												
" " " stored in 1940	14 623 200												
" " " wasted over Intake Dam	694 024 000												
Total run-off for year 1940 (Cubic feet)	2 212 169 200												
Run-off per sq. mile of drainage area	33 188 000												
Second-feet of run-off	1.05												
	<u>1913</u>	<u>1914</u>	<u>1915</u>	<u>1916</u>	<u>1917</u>	<u>1918</u>	<u>1919</u>	<u>1920</u>	<u>1921</u>	<u>1922</u>	<u>1923</u>		
Total Precipitation	30.11	26.53	38.40	36.83	25.46	31.05	29.50	27.40	30.38	33.67	21.90		
Sec.ft. per sq.mile run-off	1.03	0.67	0.93	1.29	0.70	0.79	0.83	0.73	0.68	1.06	0.59		
	<u>1924</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>	<u>1929</u>	<u>1930</u>	<u>1931</u>	<u>1932</u>	<u>1933</u>	<u>1934</u>		
Total Precipitation	22.95	20.71	35.69	29.86	36.06	32.28	23.14	36.70	31.20	32.72	32.87		
Sec. ft.per sq. mile run-off	0.50	0.25	0.85	0.98	1.11	0.67	1.10	0.83	1.13	1.14	1.00		
	<u>1935</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>	<u>1940</u>							
Total Precipitation	27.10	30.23	30.10	35.32	33.58	30.34							
Sec.ft. per sq.mile run-off	0.79	0.89	0.86	1.33	1.47	1.05							

McCLURE PLANT:

Drainage area above Intake Dam	140.52												
Cubic feet precipitation in 1940 (Hoist Plant 36.59")	11,948,191,900												
Kilowatt hours generated at McClure Plant in 1940	40 084 900												
Cubic feet water utilized (125 cu.ft. - 1 Kwh)	5 010 612 500												
" " " wasted over Intake Dam	849 680 000												
" " " in Hoist Storage Basin Jan. 1, 1940	797 129 000												
" " " " " " " Dec.31, 1940	1 422 084 200												
" " " stored in Hoist Storage Basin in 1940	624 955 200												
" " " in Silver Lake Jan. 1, 1940	360 970 000												
" " " " " " " Dec.31, 1940	381 884 250												
" " " stored in Silver Lake in 1940	20 914 250												
Total run-off for year 1940 (Cubic feet)	6 506 161 950												
Run-off per sq.mile of drainage area	46 300 500												
Second-feet of run-off	1.47												
	<u>1920</u>	<u>1921</u>	<u>1922</u>	<u>1923</u>	<u>1924</u>	<u>1925</u>	<u>1926</u>	<u>1927</u>	<u>1928</u>	<u>1929</u>	<u>1930</u>		
Total Precipitation	* 27.40	35.10	42.03	26.60	30.49	24.06	43.95	35.51	43.80	38.76	30.81		
Sec.ft. per sq.mile run-off	1.22	1.02	1.54	0.85	0.92	0.52	1.52	1.80	2.22	1.36	1.45		
	<u>1931</u>	<u>1932</u>	<u>1933</u>	<u>1934</u>	<u>1935</u>	<u>1936</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>	<u>1940</u>			
Total Precipitation	37.02	32.54	35.07	35.02	29.96	32.16	38.18	40.93	41.22	36.59			
Sec.ft. per sq.mile run-off	1.10	1.23	1.30	1.16	0.90	1.05	1.19	1.75	1.69	1.47			

* - 1920 Precipitation figure is total precipitation at Ishpeming.

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SUBSTATION TRANSFORMERS:

Substation transformers installed as of December 31, 1940.

<u>66,000/2300 Volts</u>	<u>Phase</u>	<u>No.</u>	<u>K.V.A.</u>	<u>Total K.V.A.</u>	
Munising Substation	1	3	667	2,001	
Seney "	1	1	25	25	
Inland #1 "	1	3	500	1 500	
" #2 "	1	3	500	1 500	5,026 K.V.A.
<u>2300/66,000 Volts</u>					
AuTrain Substation	1	3	333-1/3	1 000	1 000
<u>33,000/66,000 Volts</u>					
Gwinn Substation	1	3	1,250	3 750	3 750
<u>33,000/110-220 Volts</u>					
Clarksburg Substation	1	3	37-1/2	112½	
" "	1	2	150	300	412½
<u>33,000/2300 Volts</u>					
Gwinn Substation	1	2	400	800	
Cliffs Shaft-Holmes Substation	1	6	500	3 000	
Morris-Lloyd "	1	3	590	1 770	
Hartford "	1	3	400	1 200	
Maas "	1	6	590	3 540	
Brownstone "	1	3	625	1 875	
Palmer "	1	2	625	1 250	
Greenwood "	1	3	150	450	
Princeton "	1	3	75	225	
Tilden "	3	1	1 250	1 250	
Palmer Rural "	1	4	15	60	
Negaunee-Athens "	1	3	1 000	3 000	
Section 2 Mine "	1	1	400	400	
" " " "	1	1	625	625	19,445
<u>2300/33,000 Volts</u>					
Republic "	1	3	250	750	
Hoist Plant "	3	1	2 500	2 500	
Escanaba Plant "	1	3	590	1 770	
McClure " "	3	2	5 000	10 000	
Carp " "	1	3	1 900	5 700	
Hoist Plant "	1	3	667	2 000	
" " "	1	3	200	600	23,320
<u>12,000/440-220 Volts</u>					
Piqua-Marquette Substation	1	3	100	300	300
<u>12,000/220-110 Volts</u>					
D.S.S.&A.Ry. at Clarksburg	1	1	2-1/2	2½	2½
<u>12,000/2300 Volts</u>					
McClure Plant (Furnace Lines)	3	2	1 250	2 500	
AuTrain Substation	1	3	50	150	
Chatham "	1	3	25	75	
Eben "	1	1	25	25	
Rumely "	1	2	15	30	
Inland #1 (Wis.-Mich. Line)	1	3	50	150	2 930

THE CLIFFS POWER & LIGHT COMPANY
ANNUAL REPORT
YEAR 1940

SUBSTATION TRANSFORMERS: (CONT'D.)

Brot. Fwd.

56,186 KVA

6,600/2300 Volts

	<u>Phase</u>	<u>No.</u>	<u>K.V.A.</u>	<u>Total K.V.A.</u>
Gwinn Substation	1	3	350	1,050
Mackinaw "	1	3	350	1 050
Inland #1 "	1	3	25	75
Blaney Park"	1	2	25	50
" " "	1	1	15	15
AuTrain Lake	1	1	25	25

2 265

6,600/115-230 Volts

Furnace Substation Lighting	1	1	5	5
-----------------------------	---	---	---	---

5

GRAND TOTAL

58,456

A. C. MOTORS

Total Cleveland-Cliffs Iron Co. load connected to Power System					28,009 H.P.
" Cliffs Power & Light Company "	"	"	"	"	430
" Outside	"	"	"	"	27 419

TOTAL CONNECTED LOAD-DEC. 31,1940

55,858 H.P.

EXCITERS, GENERATORS & D.C. MOTORS

Total Cliffs Power & Light Company Exciters and Generators					549½ K.W.
" " " " " " " " D. C. Motors					3¼ H.P.

DISTRIBUTION TRANSFORMERS

	<u>Number</u>	<u>Capacity</u>
Total at first of year	300	1,728½ K.V.A.
" purchased during year	42	203½
" retired " "	0	0
" at close of year	342	1 932
In stock at close of year	31	175
" service " " "	285	1 593
C.P.&L.Co. plants and auxiliaries	26	164
	342	1,932 K.V.A.

THE CLIFFS POWER & LIGHT COMPANY

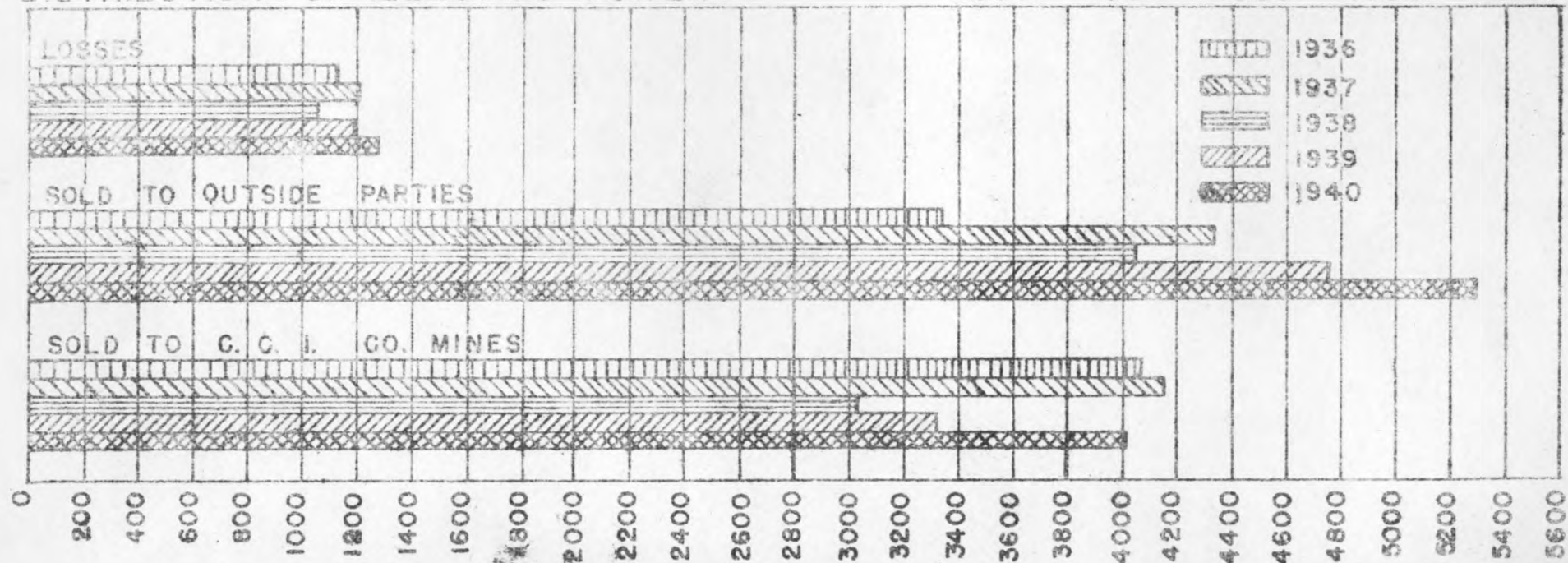
STATISTICAL DATA-----1940

	<u>KILOWATT HOURS GENERATED & PURCHASED</u>								<u>STATION USE</u>	<u>DELIVERED TO LINE</u>	<u>KWH SOLD</u>	<u>TRANSMISSION LOSSES</u>	
	<u>McCLURE</u>	<u>CARP</u>	<u>HOIST</u>	<u>AUTRAIN</u>	<u>REPUBLIC</u>	<u>ESCANABA</u>	<u>PURCHASED</u>	<u>TOTAL</u>				<u>KWH</u>	<u>%</u>
Jan.	3,903,000	1,065,800	1,329,000	203,400	81,500	257,000	6,000	6,845,700	22,105	6,823,595	6,021,465	802,130	11.75
Feb.	4 014 500	994 200	1 303 000	229 200	84 000	238 000	247 000	7 109 900	21 295	7 088 605	6 197 292	891 313	12.57
Mar.	2 736 100	1 269 300	839 000	255 800	74 600	234 000	1 359 000	6 767 800	18 540	6 749 260	5 825 648	923 612	13.68
Apr.	2 429 400	2 085 500	789 000	476 300	89 600	364 000	864 000	7 097 800	17 983	7 079 817	6 349 425	730 392	10.31
May	2 574 900	2 898 300	838 000	655 100	300 600	801 000	66 000	8 133 900	17 393	8 116 507	7 144 892	971 615	11.97
June	2 681 300	1 957 000	1 099 000	648 500	300 200	842 000	887 000	8 415 000	17 451	8 397 549	7 471 808	925 741	11.02
July	4 042 700	1 190 800	1 034 000	592 600	234 800	534 000	394 000	8 022 900	18 139	8 004 761	7 076 453	928 308	11.59
Aug.	3 516 700	671 700	1 240 000	454 500	115 600	337 000	1 559 000	7 894 500	18 969	7 875 531	6 985 216	890 315	11.30
Sept.	3 103 300	413 100	1 055 000	297 900	68 200	230 000	3 612 000	8 779 500	18 329	8 761 171	7 581 569	1 179 602	13.46
Oct.	3 064 900	468 700	1 057 000	285 500	50 300	215 000	3 400 000	8 541 400	19 510	8 521 890	7 790 765	731 125	8.57
Nov.	4 067 200	1 826 800	1 345 000	270 900	87 400	473 000	324 000	8 394 300	18 487	8 375 813	7 503 638	872 175	10.41
Dec.	<u>3 950 900</u>	<u>1 864 600</u>	<u>1 409 000</u>	<u>471 400</u>	<u>197 600</u>	<u>431 000</u>	<u>41 000</u>	<u>8 365 500</u>	<u>17 267</u>	<u>8 348 233</u>	<u>7 257 690</u>	<u>1 090 543</u>	<u>13.06</u>
TOTAL	40,084,900	16,705,800	13,337,000	4,841,100	1,684,400	4,956,000	12,759,000	94,368,200	225,468	94,142,732	83,205,861	10,936,871	11.61

DISTRIBUTION OF ELECTRIC POWER TO C. C. I. CO. MINES 1939 - 1940

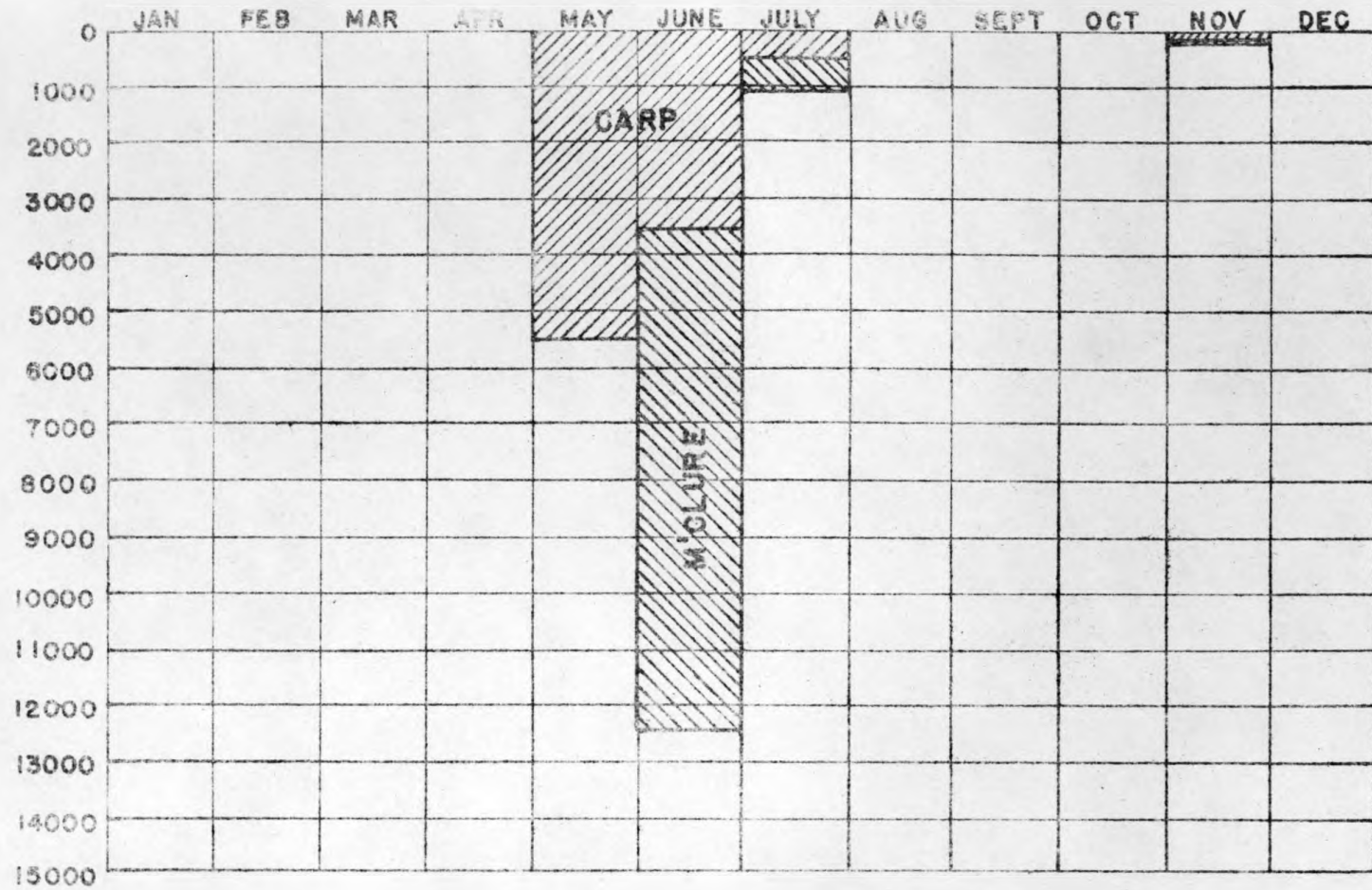



DISTRIBUTION OF ELECTRIC POWER 1936 - 1937 - 1938 - 1939 - 1940




WATER LOST
KILOWATT EQUIVALENT

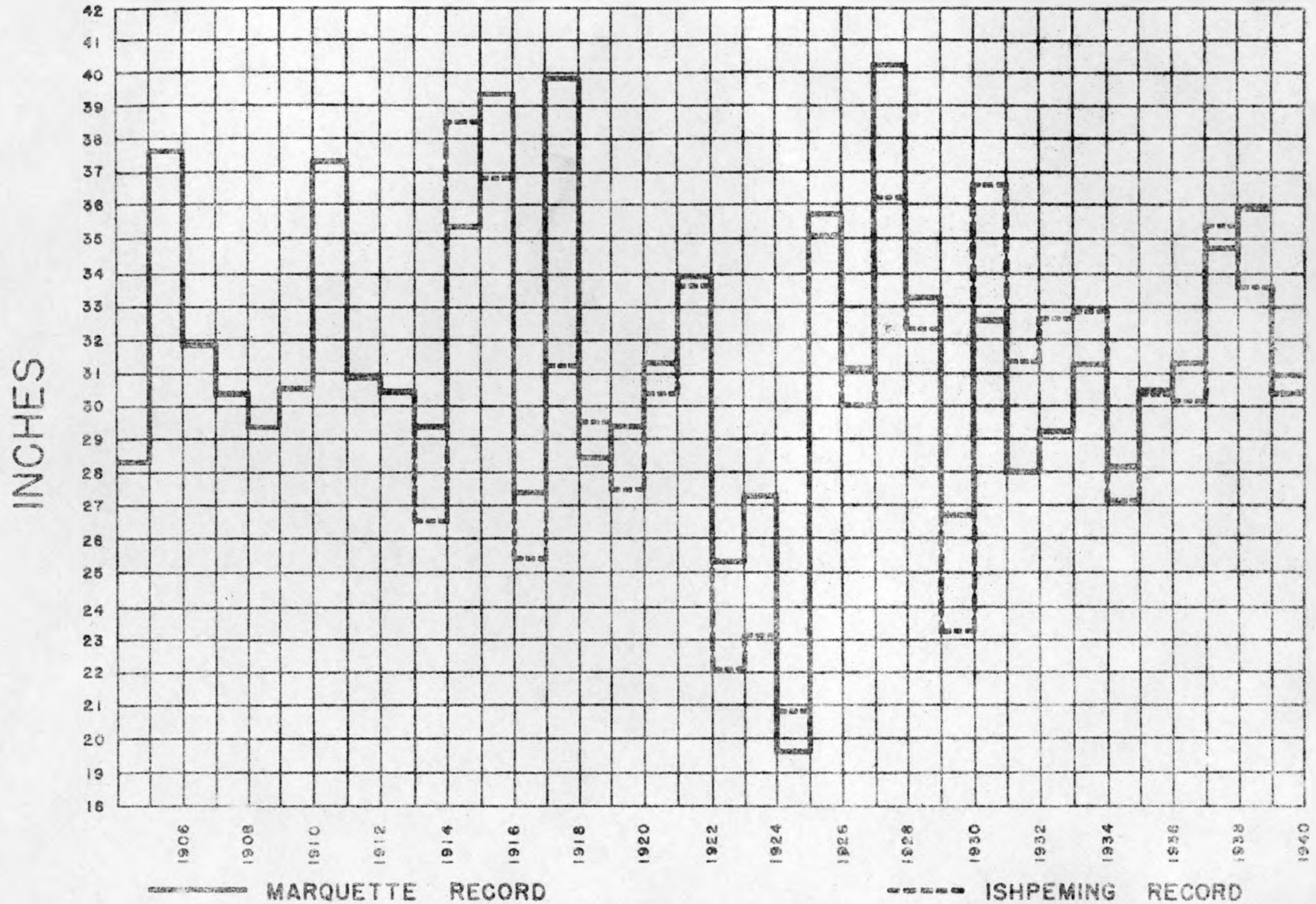
1940



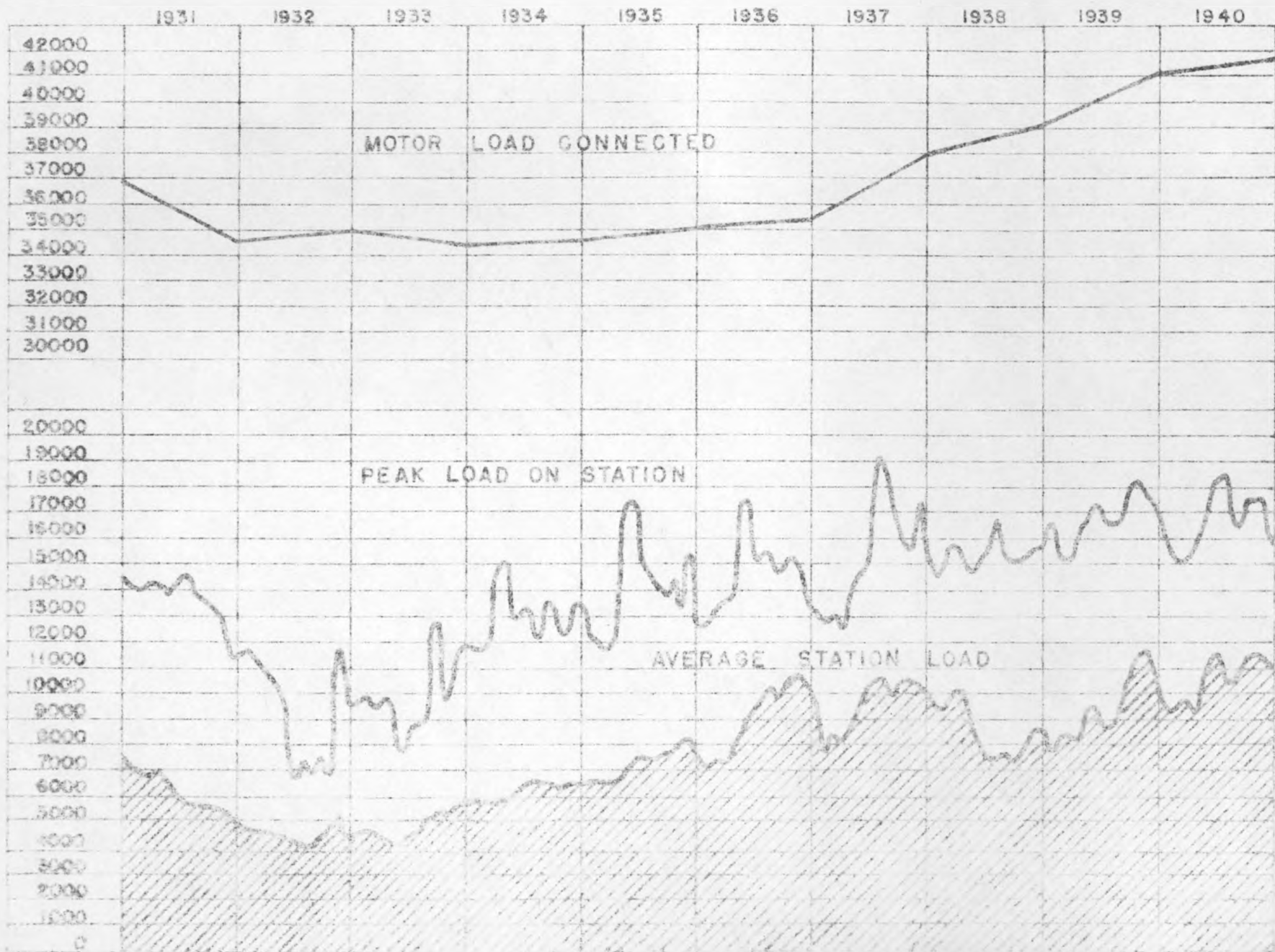
 CARP

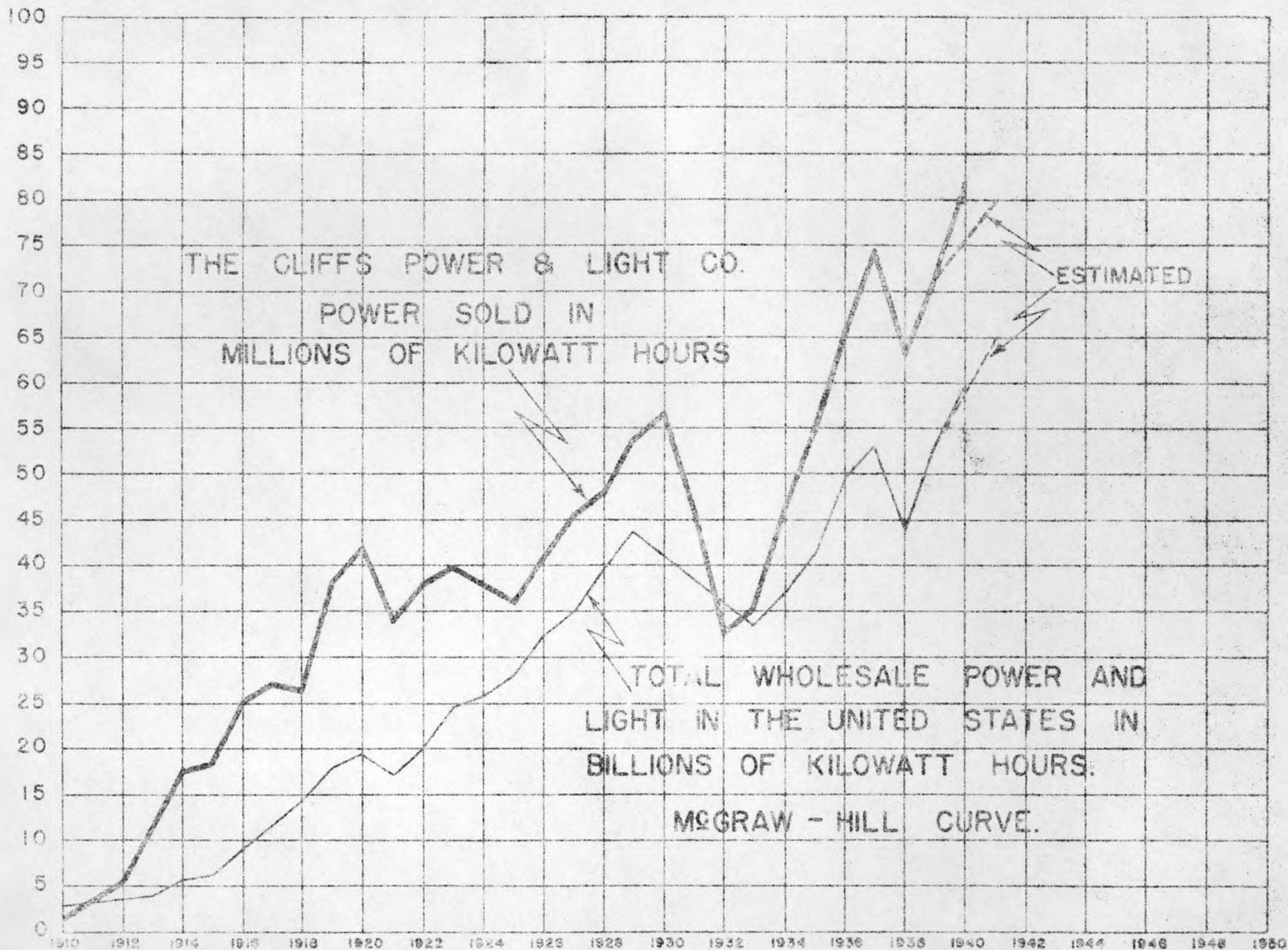
 M'CLURE

PRECIPITATION BY YEARS



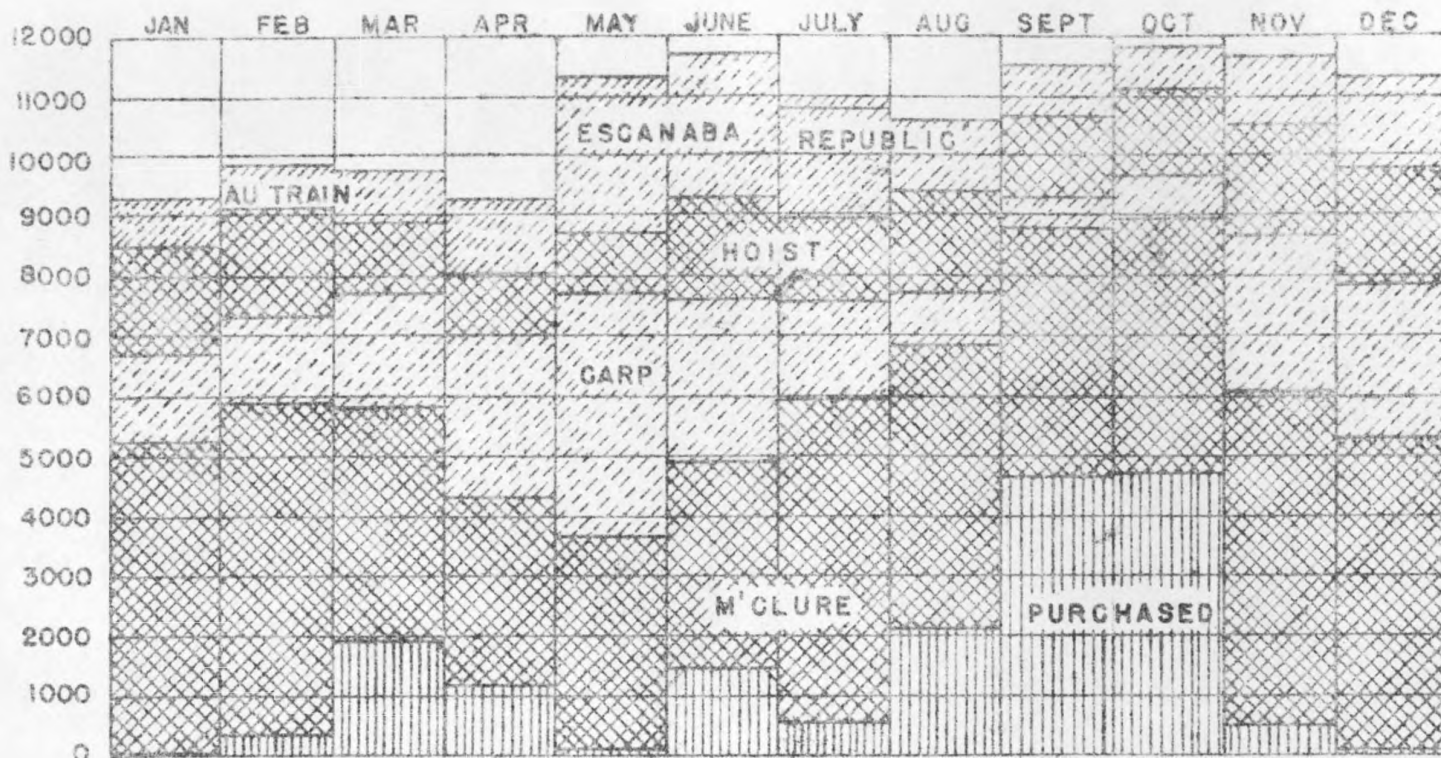
KILOWATTS








1940

AVERAGE LOAD
 KILOWATTS





 CURRENT MADE BY
 WATER POWER


 POWER PURCHASED

M'CLURE	49.11%
GARP	20.47
HOIST	16.34
AU TRAIN	5.93
ESCANABA	6.07
REPUBLIC	2.06
PURCHASED	13.52

WELFARE DEPT. ANNUAL REPORT YEAR 1940

The Welfare Department has carried on its usual functions throughout the year 1940. This department is concerned with all matters pertaining to the general welfare of employees, various public relations activities, workmen's compensation, the Company's pension system organized in 1912, group insurance, retirement allowances, donations to former employees, regular and special relief cases, various problems dealing with health and safety of our employees, and all other services which naturally fall within the scope of an industrial welfare department.

For the sake of record it is recorded here that this department was previously known as the Pension Department and for many years Mr. W. H. Moulton, who retired on July 1, 1938, headed up the department with the title of Secretary. In July of 1938, when Walter F. Gries became head of the department, the name was changed from the Pension Department to the Welfare Department and the supervising officer was given the title of Superintendent.

We are pleased to report that throughout the year we have had the benefit of meetings and conferences with Mr. Moulton, especially with regard to cases of long standing. It is desired to enter into the record the fact that this cooperation, so willingly given by Mr. Moulton, has been helpful and greatly appreciated.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

a. WORKMEN'S COMPENSATION

The direct work of the Compensation Department has been taken care of by Mr. Walter E. Johnson, as has been the plan since 1926.

Following are the cases of those men who required some special attention during the year:

WILLIAM HENDRICKSON - Spies-Virgil Mine - Acc. Rept. No. 142A

In an order dated January 25, 1940 the Department of Labor & Industry reversed the decision of its Deputy Commissioner and awarded compensation at the rate of \$18.00 a week for 300 weeks to the two minor children of William Hendrickson. Following the receipt of this order an immediate attempt was made to have the case reviewed by the Supreme Court, but the Court refused on the basis that there was no question of law involved. A subsequent attempt was made to have the Court reconsider its order, but our motion was denied on December 6, 1940 so there was nothing to do but pay the claim.

LAWRENCE P. NEWMAN - Canisteo Mine - Acc. Rept. No. 31

This case came on for hearing before a referee of the Minnesota Commission, and on February 27, 1940 he handed down a decision denying compensation on the ground that the accident did not arise out of and in the course of Newman's employment. It was brought out that notices had been posted at the Canisteo Mine forbidding entering or leaving the pit except by the regular stairway and travelling road provided. It was proven that co-workers had knowledge of this rule and that they had warned Newman against using the way down the pipeline. It was brought out that he definitely knew this order, that the only reason he travelled down the pipeline slope was for his personal convenience. The case was appealed to the Industrial Commission, and on July 25, 1940 they handed down a decision sustaining the reward of the referee. Nothing further has been heard of this case since that date.

CHARLES STEVENS - Athens Mine

A petition for compensation, filed by Mr. Stevens, was set for hearing on May 6, 1940 before a Deputy Commissioner. Stevens had been employed on the steamshovels at the Athens Mine. On October 15, 1937 after completing his work at the Storehouse where they were tying up the shovels, he walked from Ishpeming to his home in Negaunee and shortly after his arrival home suffered a partial stroke. Following his recovery it was found that his physical condition was such that it would be unsafe to re-employ him. He was paid group insurance disability benefits for the maximum period of thirteen weeks, and following that some assistance was rendered in the form of grocery orders. He was able

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.
a. WORKMEN'S COMPENSATION (Continued)

CHARLES STEVENS - Athens Mine (Continued)

to do light work and was employed off and on by the City of Negaunee. Apparently the family was not satisfied with the assistance rendered by us, so early in 1940 they filed a petition for compensation alleging that Stevens had bumped his head while working on the day in which he suffered the stroke, October 15, 1937. However, on the date set for hearing Stevens withdrew his petition, but a record was made by the Department of Labor & Industry showing that his condition was not the result of the alleged accident. Stevens had been employed by us for over thirty years and in view of his long service it was arranged to place him on the Retirement Roll at the rate of \$30.00 per month.

MATT HILL - Maas Mine - Acc. Rept. No. 540

Matt Hill was injured on February 15, 1940 when he was struck on the calf of the left leg by a falling piece of ore. There was no fracture but the muscles were badly damaged, and the lacerations were slow in healing. He returned to work on June 19, 1940 but refused to sign a settlement receipt, so a petition to stop was filed with the Department, and a hearing was scheduled for October 24, 1940. On October 1st the leg wound again broke open and we voluntarily placed Hill on the compensation payroll as of that date and on the date set for the hearing, Mr. Bell, our attorney, appeared and withdrew our petition to stop. Through an error on the part of the Deputy Commissioner an award was made to Hill of compensation for the period during which he worked, so we immediately petitioned for a review and for the right to take testimony.. This petition was granted and a hearing set for January 15, 1941. In the meantime Hill suffered a stroke on December 9, 1940 which resulted in his death on December 31, 1940. The cause of death as shown on the death certificate was cerebral hemorrhage with paralysis. Mrs Hill was offered the accrued compensation up to the date of death and has refused it and has also refused to accept the proceeds of the group insurance policy. We are unable to state at this writing whether Mrs. Hill will attempt to prove that there was a connection between the leg injury and Mr. Hill's death.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11. a. WORKMEN'S COMPENSATION (Continued)

FATALITIES

The following fatalities occurred in 1940.

<u>John Battaglio</u> Age 58	Athens Mine Occurred December 12, 1940 and died on January 4, 1941. Struck on head by a pole knocked down by falling dirt. Dependent widow. Compensation - 300 weeks at \$18.00 Funeral expense	\$ 5400.00 <u>200.00</u> \$ 5600.00
<u>Victor Vaisanen</u> Age 64	Negaunee Mine Occurred May 31, 1940. Fall of ground Widower. No dependents. Funeral expense	\$ 200.00
<u>Albin Seppanen</u> Age 52	Negaunee Mine Occurred December 20, 1940. Fall of ground Dependent widow and two children. Compensation - 300 weeks at \$18.00 Funeral expense	\$ 5400.00 <u>200.00</u> \$ 5600.00
<u>John Vivian</u> Age 59	Spies-Virgil Mine Occurred September 20, 1940. Buried by stockpile slide. Single. No dependents. Funeral expense	\$ 200.00
<u>Morris Strand</u> Age 30	Canisteco Mine Occurred May 27, 1940. Caught in Wash Plant log washer. Dependent wife. Risk insured.	

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

a. WORKMEN'S COMPENSATION (Continued)

Following is a list of the more serious cases occurring during 1940 other than fatalities:

<u>Mine and Report No.</u>	<u>Name</u>	<u>Nature of Injury</u>	<u>Compensation Paid</u>
Athens #368	James Cain	Compound, comminuted fracture of both bones, left leg.	660.60 *
Cliffs-Shaft #1104	Victor Ollikainen	Fracture, upper third, left tibia.	288.00 *
Cliffs-Shaft #1105	Harold Williams	Fracture, surgical neck of left humerus. Fracture, four ribs. Partial collapse, left lung. General contusions and lacerations.	108.00 *
Maas #540	Matt Hill	Severe contusion to calf of left leg.	543.00
Maas #541	Alex Talo	Peppered by blast. Loss of vision, right eye.	720.00 *
Negaunee #649	Ambrose Airaudi	Fractured right tibia.	569.76
Negaunee #653	Alfred Baldine	Strained back. Fractured vertebra.	486.00
Negaunee #659	Henry Holappa	Fracture, both bones, right leg.	402.00
Negaunee #671	Julius Wertanen	Fractured right ankle with torn ligaments.	18.00 *
Hill-Trumbull #92	John E. Nelson	Comminuted fracture, both bones of left leg.	421.59 *

* Payments still being made.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11. a. WORKMEN'S COMPENSATION (Continued)

ANNUAL STATEMENT OF COMPENSATION PAYMENTS
FROM JANUARY 1st, 1940 TO DECEMBER 31st, 1940

Compensation paid on 1940 accidents	\$ 9,878.92	
Compensation still pending	69,797.53	
Cost of medical and hospital service--also special exp.	<u>19,353.82</u>	99,030.27
Less pending for years 1930 to 1939 inclusive	46,830.13	
Less medical and special expense on accidents occurring prior to January 1, 1940	<u>989.23</u>	<u>47,819.36</u>
		51,210.91
Less compensation paid on Occupational Disease cases	1,367.00	
Estimated compensation still pending on Occupational Disease cases	<u>7,666.00</u>	<u>9,033.00</u>
Estimated cost of 1940 accidents	\$ 42,177.91	
Percentage of payrolls		.00947
Percentage of payrolls including O. D. cases		.01149
Number of fatal accidents		5
Number of compensable accidents		59
Number of non-compensable accidents		14
Number of slight accidents		550

The following Occupational Disease cases occurred during the year. The cost of these cases is included in the regular compensation costs but for statistical purposes they are not included in the accident table.

Number of deaths	1
Number of disability cases	5

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11. a. WORKMEN'S COMPENSATION (Continued)Compensation Payments including Medical Expense

<u>Year</u>	<u>C. C. I. Co.</u>	<u>Negaunee Mine Co.</u>	<u>Athens Ir. Mng. Co.</u>	<u>Cliffs Pr. & Light Co.</u>	<u>Mesaba-Cl. Mng. Co.</u>	<u>Holman-Cl. Mng. Co.</u>	<u>Canisteo Cl. Mng. Co.</u>	<u>Alexandria Mine</u>	<u>TOTAL</u>
1912	1,073.81	105.08							1,178.89
1913	13,149.70	1,152.87	27.15						14,329.72
1914	27,416.82	2,840.13	446.63						30,702.58
1915	15,657.71	1,699.28	656.07						18,013.06
1916	32,404.74	3,496.75	672.29						36,573.78
1917	45,129.92	5,301.30	911.46						51,342.68
1918	43,734.77	6,198.93	1,197.57						51,131.27
1919	59,417.51	11,724.68	2,234.77		263.00				73,639.96
1920	59,535.76	8,888.01	2,928.15		3,057.46				74,409.38
1921	59,065.26	4,709.80	5,208.92		2,953.08				71,937.06
1922	56,794.35	5,283.24	2,048.23		1,866.67				65,992.49
1923	57,856.37	4,142.00	5,007.88		4,874.48				71,880.73
1924	56,335.89	5,487.07	6,394.01		9,408.59				77,625.56
1925	49,376.47	4,464.79	8,305.60		7,316.55				69,463.41
1926	51,123.41	5,433.85	7,087.93	514.40	9,537.84				73,697.43
1927	86,156.10	5,311.69	5,489.81	939.86	7,147.98				105,045.44
1928	87,186.58	6,532.66	6,235.08	1,331.30	4,576.56	9.00			106,371.18
1929	76,959.01	8,899.76	6,303.92	1,895.50	3,557.86	292.83	4.50		97,913.38
1930	76,753.51	10,603.63	5,803.45	1,930.48	2,531.15	1,236.18	1,357.05	1,993.76	102,209.24
1931	75,167.79	10,723.30	5,233.65	1,867.50	1,489.36	559.63	1,346.64	1,700.87	98,088.74
1932	52,920.75	12,137.00	5,012.72	1,398.25	1,336.00	33.75	65.50	1,074.00	73,972.97
1933	23,425.69	9,605.70	5,298.56	993.45	2,180.61			614.00	42,128.01
1934	26,672.34	7,573.97	8,429.38	468.46	2,468.61				45,612.76
1935	34,874.17	6,854.34	5,154.12	218.75	3,778.56				50,879.94
1936	31,597.79	7,139.26	4,588.74	438.50	3,514.63				47,278.92
1937	32,509.48	8,695.66	7,235.96	615.72	3,647.16				52,703.98
1938	35,664.38	11,236.47	6,174.30	526.75	3,465.08				57,046.98
1939	39,532.53	7,183.99	6,838.49	855.50	4,110.34				58,520.85
1940	<u>38,659.10</u>	<u>9,720.57</u>	<u>6,754.69</u>	<u>642.50</u>	<u>5,281.16</u>				<u>61,058.02</u>
	1,346,141.71	193,145.81	127,679.53	15,136.92	88,362.73	2,131.39	2,768.69	5,382.63	1,780,749.41

ANNUAL REPORT - 1940
STATEMENT OF COMPENSATION PAYMENTS FROM
JANUARY 1, 1940 TO DECEMBER 31, 1940

	Average No. of Employees	No. of Fatal Accs.	No. of Non-fatal Accidents		Actual Comp. Paid in 1940	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Estimated Compensation Still Pending	Medical & Special Expense	Fatal Cases Pending	Injury Cases Pending	
Cliffs-Shaft	432		2	89	7617.60					1173.60	1611.00	972.00		3213.00		648.00	17,049.00	2808.00	4	5	
Cliffs-Shaft Laboratory	10																	61.00			
Chief of Police	1																	1.00			
District Welfare	4																	22.50			
Employes Wood, Gwinn District					624.00			624.00									828.00			1	
Gardner-Mackinaw	24			4	1100.16							164.16		936.00			3,686.08	144.50		2	
General Storehouse	115			17														692.50			
General Welfare	2																	12.00			
Geological Department	3																	18.25			
Gwinn Office	1																	3.00			
Isppaning Office	22																	129.50			
Lloyd	243		3	1	69	4687.32	342.00											1760.50		6	
Maas	445		16	1	115	6837.28		972.00										3311.09	1	12	
Mechanical Engineering	2																	15.00			
Mining Engineering	10																	57.75			
Miscellaneous	7			1														40.50			
Purchasing Department	4																	23.25			
Safety Department	2																	12.00			
Shipping Department	6																	36.50			
Spice-Virgil	75	1	1	1	1	614.00	5400.00											447.50			
Tilden	32			2	2	324.00			324.00						432.00	308.00		190.00			
Uncompleted Const. E & A #689						972.00						972.00					936.00			1	
Workmen's Compensation	2																	12.00			
Chemical Plant						478.40			478.40								956.80			1	
Cleveland Roll	13																	80.00			
The Cliffs Power & Light Company	107			1	11													642.50			
The Negaunee Mine Company	417	2	17	5	96	6474.82	364.48			950.40			1012.53	45.01	945.36	3157.04	10,813.20	3203.25	2	5	
Section 2	14																	42.50			
The Athens Iron Mining Company	353	1	11	69	69	3633.96				120.96			138.24	1796.16	84.00	1494.60	10,887.60	3120.73	2	5	
Total - Michigan Mines	2346	4	50	8	474	38,889.54	6106.48	972.00	624.00	478.40	2568.96	1611.00	2164.32	4520.21	7244.17	3444.36	9155.64	67,975.84	16,887.32	9	38
Hibbing Office	19																	113.50			
Holman-Brown	101		3	22	22	149.87								3.06	146.81			608.00			
Canisteo	138	1	4	5	34	468.00					468.00						675.00	830.00	1		
Hill-Trumbull	152		2	1	20	2196.79	667.16							953.16	576.47		1,146.69	915.00	1	2	
Total - Minnesota Mines	410	1	9	6	76	2,814.66	667.16						468.00		956.22	723.28	1,821.69	2,466.50	2	2	
Total - All Mines	2756	5	59	14	550	41,704.20	6773.64	972.00	624.00	478.40	2568.96	1611.00	2632.32	4520.21	7244.17	4400.58	9878.92	69,797.53	19,353.82	11	40

Canisteo Mine risk carried by The Employer's Mutual Liability Insurance Co.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

a. WORKMEN'S COMPENSATION (Continued)

For the purpose of reference, mention is made here of the agreement with the Fidelity & Casualty Co. of New York to carry the compensation risk of the Company from May 17, 1933 to May 16, 1934. The insurance company wrote the compensation payments and our own Company assumed the medical expense, the payment of 50¢ per man per month being made at the different properties.

During 1939 the Fidelity & Casualty Company made final payment in two fatal cases. This completed payment of all cases that originated during the year our contract with the insurance company was in force.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

a. WORKMEN'S COMPENSATION (Continued)

The following table shows the percentage of compensation costs since the law went into effect, the percentage of non-fatal accidents on which compensation payments were made, and the percentage of the cases in which compensation payments were made of the total number of men employed. These figures cover only our own risk.

	<u>Percentage of Payroll</u>	<u>Percentage of Compensable Accidents</u>	<u>Percentage of Men Paid Compensation</u>
1912 (4 months)	.00648		
1913	.01104	42.88	8.06
1914	.0160	42.49	6.51
1915	.01095	36.26	6.63
1916	.01903	43.76	8.29
1917	.01268	41.71	7.84
1918	.01214	37.61	5.73
1919	.00901	48.71	8.15
1920	.0079	60.56	10.52
1921	.01444	64.53	9.79
1922	.01570	68.49	10.22
1923	.01590	61.67	10.23
1924	.01885	66.59	10.15
1925	.01613	69.61	10.19
1926	.07641	66.75	10.73
1927	.01356	68.24	6.55
1928	.01357	69.92	4.27
1929	.01616	74.12	3.02
1930	.01254	78.20	2.33
1931	.01697	89.28	1.11
1932	.01503	100.00	.71
1933 to 5/17/33	.01479	90.00	.60
1934 after 5/17/34	.02214	93.75	.90
1935	.01675	95.12	2.11
1936	.01161	88.01	1.74
1937	.00817	88.23	2.17
1938	.01625	100.00	1.85
1939	.00783	84.91	1.83
1940	.00947	82.05	2.32

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11. a. WORKMEN'S COMPENSATION (Continued)

The following made up the personnel of our Michigan Compensation Department for the year 1940:

James F. Shepherd, Chairman
 Isabel Larwill
 Charles H. Mahoney
 Daniel A. Knaggs
 John H. Thorpe
 Arthur E. Hagen, Secretary
 John L. Boer, Asst. Secretary

Paul Rahm of Iron Mountain served as Deputy Commissioner for this District throughout the year.

The following table shows the principal items of the changes made at different periods as affecting our properties:

<u>MICHIGAN LAW</u>	<u>When Law went into effect Sept. 1, 1912</u>	<u>As amended in effect Aug. 14, 1919</u>	<u>In effect Aug. 18, 1921</u>	<u>In effect Sept. 4, 1927</u>
Percentage of weekly wages	50	60	60	66 2/3
Maximum weekly compensation	10.00	14.00	14.00	18.00
Minimum weekly compensation	4.00	7.00	7.00	7.00
Waiting period	2 weeks	1 week	1 week	1 week
Waiting period picked up at end of	8 weeks	6 weeks	6 weeks	6 weeks
Maximum payment for death	3000.00	4200.00	4200.00	5400.00
Maximum compensation for total disability	4000.00	6000.00	7000.00	9000.00

The Occupational Disease law became effective on October 29, 1937.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11. a. WORKMEN'S COMPENSATION (Continued)

MINNESOTA COMPENSATION LAW

There were no changes made in the Minnesota Law in 1940.

The present members of the commission are as follows:

N. H. Debel, Chairman
J. D. Williams
P. J. O'Connor
E. D. McKinnon, Secretary
Emily L. Olson, Asst. Secretary

The following table shows the principal items of the changes made at different periods as affecting our properties:

<u>MINNESOTA LAW</u>	When Law went into effect <u>Oct.1,1913</u>	As amended April 26, <u>19 19</u>	As amended June 6, <u>19 21</u>	In effect since Oct. 1, <u>19 23</u>
Percentage of weekly wage	50	66 2/3	66 2/3	66 2/3
Maximum weekly compensation	10.00	15.00	18.00	20.00
Minimum weekly compensation	6.00	6.50	8.00	8.00
Waiting period	2 weeks	1 week	1 week	1 week
Waiting period picked up at end of	- -	- -	4 weeks	4 weeks
Maximum death payment	3000.00	4500.00	7500.00	7500.00
Maximum compensation for total disability	4000.00	5000.00	10,000.00	10,000.00

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

b. BENEFIT FUNDS

The general Benefit Funds were closed out during the year 1927 and a complete record of the funds is shown in the annual report for that year.

Reference is made here so that this report, showing the closing out of the funds, may be readily located.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

c. GROUP INSURANCE

The Group Insurance plan, which became effective on October 1, 1936 at all of our properties, has proved most satisfactory in every way and the people as well as the Company are very much benefited by it.

The following statement shows the total cost for the policy year ending September 30, 1940. It includes all cases in which disability began prior to September 30, 1940.

	<u>Death Claims</u>		<u>Health & Accident</u>		<u>Total</u>	
	<u>No. of Cases</u>	<u>Amount Paid</u>	<u>No. of Cases</u>	<u>Amount Paid</u>	<u>No. of Cases</u>	<u>Amount Paid</u>
Cliffs-Shaft	2	3125.00	34	2900.58	35	6025.58
Gardner-Mackinaw	1	1875.00	1	182.00	2	2057.00
General Roll			13	862.28	13	862.28
General Storehouse & Shops			10	513.14	10	513.14
Ishpeming Hospital	1	5000.00	11	517.99	12	5517.99
Lloyd			26	1731.72	26	1731.72
Maas	5	8125.00	72	4057.13	75	12182.13
Spies-Virgil	1	1250.00	8	346.28	9	1596.28
Tilden			1	41.14	1	41.14
Retirement Roll	1	1250.00			1	1250.00
Total - C. C. I. Co.	11	20,625.00	176	11,152.26	184	31,777.26
The Negaunee Mine Co.	3	5000.00	46	3422.28	49	8422.28
The Athens Iron Mining Co.	1	1875.00	49	2704.28	49	4579.28
The C. P. & L. Company			4	412.57	4	412.57
Total - All Companies	15	27,500.00	275	17,691.39	286	45,191.39

Four of the fifteen death claims shown above were paid disability benefits in addition to the death benefit which accounts for the discrepancy in the total number of cases shown.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

c. GROUP INSURANCE (Continued)

The direct work in connection with claims under the Group Insurance Plan has been taken ^{care} of by Mr. Walter E. Johnson since the adoption of the plan on October 1, 1936. Every effort has been made to facilitate the prompt payment of claims. Frequent contacts are made with the men drawing benefits, and we find their attitude toward the plan exceedingly favorable.

The increase of 25% in Life Insurance, which became effective on December 20, 1937, remained in force throughout the year. A copy of the notice which was given to each employee at the time the increase was announced will be found in the annual report of the year 1937. This notice shows the amount of increase for each class of insurance, also the monthly premium, and the weekly benefit for sickness and accident.

During 1940 the policy of the Company in regard to the group insurance of men placed on our Retirement Roll was settled. It was decided that, effective October 1, 1940, these men should carry a life insurance policy only to the amount of five hundred dollars (\$500.00).

WELFARE DEPT. ANNUAL REPORT YEAR 1940

11.

c. GROUP INSURANCE (Continued)

The following deaths occurred during the policy year ending September 30, 1940.

	<u>Mine</u>	<u>Date of Death</u>	<u>Amount of Insurance</u>
Andrew J. Hanninen	Athens Mine	4-19-40	\$ 1875.00
Carl Kalleo	Cliffs-Shaft	12-29-39	1250.00
John Millimaki	"	3-14-40	1875.00
Charles Jacobson	Gardner-Mackinaw	1-28-40	1875.00
Dr. James Douglas Crane	Ishpeming Hospital	12-18-39	5000.00
Frederick Johns	Maas Mine	12-16-39	1875.00
Oscar Huttula	"	2-13-40	1875.00
Howard James Tonkin	"	4-13-40	1250.00
Albert Jenkins	"	4-12-40	1875.00
George H. Waters	"	9-22-40	1250.00
George Pearce	Negaunee Mine	10-28-39	1250.00
Charles A. Gustafson	"	1-6-40	1875.00
Victor Vaisanen	"	5-31-40	1875.00
John Vivian	Spies-Virgil	9-20-40	1250.00
Emil Dahl	Retirement Roll	1-20-40	1250.00
Gustav Afuhs	General Roll	8-9-40	1875.00

Victor Vaisanen and John Vivian were killed in the course of their employment.
Charles A. Gustafson was a suicide.

Gustav Afuhs died on August 9, 1940 but the claim was not paid during the policy year due to the delay in appointing an administrator of his estate.

WELFARE DEPT. ANNUAL REPORT YEAR 1940.

23. a. PENSION SYSTEM.

The pension system which went into effect on January 1, 1909 completed the thirty-second year of its operation in 1940.

No changes in the rates of pensions were made during the year 1940. On January 1st, 1933 the pension payments were reduced 50%, those under \$20.00 remaining the same; those over \$20.00 having a minimum rate of \$20.00.

No new pensions were granted during the year 1940.

The following Mining Department pensioners passed away during 1940:

<u>No.</u>	<u>Name</u>	<u>Date Pensioned</u>	<u>Date Died</u>
54	James H. Williams	5-1-14	7-14-40
99	William H. Rose	5-1-20	8-23-40
124	Charles Haglund	6-1-21	10-18-40
126	James Brewer	6-1-21	10-14-40
144	Anton Franson	6-1-21	4- 7-40
191	James Murphy	4-1-26	4-12-40
233	Peter Olive	10-1-28	1-10-40

	<u>1939</u>	<u>1940</u>
Number of deaths	8	7
Number of Old Age pensions in force December 31	55	48
Average annual pension	\$ 300.80	297.46

There was one death in the Furnace Department pension payroll during the year 1940, this being

<u>No.</u>	<u>Name</u>	<u>Date Pensioned</u>	<u>Date Died</u>
13	Edward Bassler	11-1-26	3-20-40

On December 31, 1940 there were four pensioners on the Furnace Department pension roll and the average annual pension was \$289.69.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

a. PENSION SYSTEM (Continued)Republic Mine.

During the year 1940 no new names were added to the pension roll. There were seven pensioners remaining on the roll on December 31, 1940, and the average annual pension for the year was \$266.98.

The payments made from October 1, 1920 to December 31, 1940, follow:

1920	278.61
1921	3427.97
1922	5672.84
1923	6641.51
1924	8172.96
1925	8379.08
1926	9539.90
1927	12185.24
1928	12768.21
1929	14199.74
1930	13148.40
1931	11809.51
1932	7673.30
1933	4908.04
1934	4400.52
1935	4160.52
1936	4031.36
1937	2853.58
1938	2023.88
1939	1868.88
1940	<u>1868.88</u>

\$ 140017.93

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

a. PENSION SYSTEM (Continued)

Pension payments for the years 1908 to 1939, inclusive, are as follows:

Mining Department

<u>Year</u>	<u>Old Age</u>	<u>Widows and Orphans</u>	<u>Total</u>
1908	69.10	48.00	117.10
1909	351.92	464.00	815.92
1910	896.44	1043.00	1939.44
1911	1690.37	2649.00	4339.37
1912	3865.95	3113.00	6978.95
1913	5133.62	3025.00	8158.62
1914	6179.57	3403.00	9582.57
1915	7910.35	2372.00	10282.35
1916	8787.02	1694.00	10481.02
1917	9327.22	1266.00	10593.22
1918	8889.14	944.00	9833.14
1919	9605.02	888.00	10493.02
1920	12613.29	814.00	13427.29
1921	21856.64	14.00	21870.64
1922	29063.85	168.00	29231.85
1923	29564.57	168.00	29732.57
1924	31987.64	168.00	32155.64
1925	34926.34	163.00	35089.34
1926	38924.88	143.00	39067.88
1927	45841.03	0.00	45841.03
1928	51869.03	0.00	51869.03
1929	52701.19	0.00	52701.19
1930	53779.24	0.00	53779.04
1931	56379.39	0.00	56379.39
1932	40615.13	0.00	40615.13
1933	30981.29	0.00	30981.29
1934	28205.25	0.00	28205.25
1935	24987.66	0.00	24987.66
1936	22736.32	0.00	22736.32
1937	20393.66	0.00	20393.66
1938	18360.44	0.00	18360.44
1939	16544.14	0.00	16544.14
1940	<u>14237.87</u>	<u>0.00</u>	<u>14237.87</u>
	\$ 739274.57	\$ 22547.00	\$ 761821.57
Payment made by Cleveland Office in 1930	<u>2500.00</u>	<u> </u>	<u>2500.00</u>
	\$ 741774.57	\$ 22547.00	\$ 764321.57

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

a. PENSION SYSTEM (Continued)Furnace Department.

Pension payments for the years 1910 to 1940, inclusive, are as follows:

<u>Year</u>	<u>Old Age</u>	<u>Widows and Orphans</u>	<u>Total</u>
1910	111.75	0.00	111.75
1911	268.20	120.00	388.20
1912	268.20	180.00	448.20
1913	268.20	180.00	448.20
1914	268.20	180.00	448.20
1915	268.20	180.00	448.20
1916	268.20	60.00	328.20
1917	268.20	0.00	268.20
1918	268.20	0.00	268.20
1919	130.55	0.00	130.55
1920	223.80	0.00	223.80
1921	781.63	0.00	781.63
1922	1118.04	0.00	1118.04
1923	1179.38	0.00	1179.38
1924	2085.82	0.00	2085.82
1925	2833.39	0.00	2833.39
1926	5351.35	0.00	5351.35
1927	4819.73	0.00	4819.73
1928	5481.50	0.00	5481.50
1929	6137.02	0.00	6137.02
1930	6191.42	0.00	6191.42
1931	5531.30	0.00	5531.30
1932	3327.09	0.00	3327.09
1933	2528.04	0.00	2528.04
1934	2309.43	0.00	2309.43
1935	1930.54	0.00	1930.54
1936	1902.72	0.00	1902.72
1937	1662.72	0.00	1662.72
1938	1446.90	0.00	1446.90
1939	1374.96	0.00	1374.96
1940	<u>1158.78</u>	<u>0.00</u>	<u>1158.78</u>
	\$ 61753.46	\$ 900.00	\$ 62653.46

WELFARE DEPT. ANNUAL REPORT YEAR 1940.

23.

a. PENSION SYSTEM (Continued)

Land Department.

Erick Johnson continued on the pension roll during the year 1940. His annual pension amounts to \$240.00.

Total pension payments from January 1, 1927 to December 31, 1940 are as follows:

1927	\$ 333.36
1928	333.36
1929	333.36
1930	333.36
1931	333.36
1932	250.08
1933	240.00
1934	240.00
1935	240.00
1936	240.00
1937	240.00
1938	240.00
1939	240.00
1940	<u>240.00</u>
	\$ 3836.88

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

b. REPUBLIC MINE FUNDS

So that the annual report of this department may be continuous relative to the Republic Mine Funds, it is herewith recorded that in the report for the year 1930 will be found a full statement of the Sick Benefit Relief and the Fatal Accident Funds of the Republic Mine.

The unused balances which remained in these funds were turned over to the Marquette County Chapter of the American Red Cross. However, a portion of this fund was at that time kept on deposit in the Miners' First National Bank in Ishpeming to take care of any possibility of outstanding checks or any claims which might be made by any persons who had paid into the funds and who had not been reached in any way during the period of time during which these funds were being dispersed and divided. Since no claims against the funds have been made for a period of ten years it is recommended that permission be granted to close out the funds during the present month. It seems unnecessary to carry these funds as separate funds for a longer period.

The original balances carried in these two funds were turned over, as noted, to the Marquette County Chapter of the American Red Cross with the stipulation that the funds were to be used exclusively for health and general welfare work in Republic Township. This has been done and the Superintendent of the Welfare Department, together with the Chairman and Treasurer of the Marquette County Chapter of the American Red Cross, have administered these balances for the purposes intended in Republic Township. Most of the money has been spent for the maintenance of a health center in the old Republic Hospital and for the providing of necessary fuel and supplies to keep the center open. The original amount left in the fund has had several years of use and help to Republic Township and now amounts to about \$190.00. This is ample to take care of such needs as the money may be used for for another year, or possibly two years.

It is recommended that the money now on deposit in the two funds, which amounts to a total of \$271.07, be turned over to the Marquette County Chapter of the American Red Cross to supplement the present balance of about \$190.00 so that the money may be used in Republic Township where it was originally raised. Authority is requested for permission to transfer the funds as indicated.

The funds now on hand in the Miners' First National Bank and the following statements agree with the bank book in each case.

<u>Deposit Account #1672</u>	
<u>Republic Mine Fatal Accident Fund</u>	
Miners' First National Bank:	
Balance on hand December 31, 1939	\$197.61
Interest for 1940	<u>2.97</u>
Total	\$200.58

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

b. REPUBLIC MINE FUNDS (Continued)

Deposit Account #1673
Republic Mine Relief and Sick Benefit Fund

Miners' First National Bank:	
Balance on hand December 31, 1939	\$ 69.45
Interest for 1940	<u>1.04</u>
Total	\$ 70.49

Total--Deposit Account #1672 and #1673 \$271.07

Dr. Van Riper of Champion makes regular calls to Republic and uses the Republic Hospital as his medical office. He serves the medical needs of the entire community and other health activities are carried on in the old Republic Hospital.

The Republic Hospital has been deeded over to the Republic Improvement Association, which is no longer in existence. In order that the future health needs of Republic Township may be carried on and given a continuity of program, it is recommended that the Company, which has leased the hospital or turned it over to the Improvement Association, take some step to see to it that the building is turned over or deeded to the Republic Township Board or to the Republic Township Board of Education. Either one of these governmental units should be given supervision of the property since at the present time nothing is being done other than the help given through the funds turned over to the Marquette County Chapter of the American Red Cross.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

c. SUSPENSE FUNDS

The 1918 annual report contains a complete statement of the payments made from the Suspense Funds from February 1, 1912, at which time the Michigan Compensation Law went into effect. Reference to these funds is made in every annual report so that it may always be easy to determine where to look for the final report on the Suspense Funds.

At the present time the Suspense Funds are being dispersed, after being checked. Mr. Henry Borchgrevink has been in charge as the dispersing secretary.

d. VISITING NURSES

The work of our visiting nurses has been carried on in the usual manner throughout 1940 and their services have been a very outstanding help to our employees and their families.

This work was begun in Ishpeming on May 1, 1908 and at Negaunee September 1, 1912. The services began at Gwinn September 1, 1910 and were continued there until October 1, 1927, when the Gwinn mines were closed.

During 1940 the following nurses were employed:

Ishpeming	-	Miss Myrtle Welander
Negaunee	-	Miss Ina E. Atkin
Iron River	-	Miss Laura N. Fisk,
		(Miss Fisk is employed jointly with other companies)

Miss Welander in the Ishpeming District and Miss Atkin in the Negaunee District make weekly reports and monthly summaries of their work to the Welfare Department. The monthly summaries are made a part of the monthly report of this department. During the year we have had some difficulty in getting our reports every month from Miss Fisk of the Iron River District. During recent months, however, the reports have come in regularly.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

d. VISITING NURSES

The following is the report of the Ishpeming visiting nurse for the year 1940:

Total number of patients cared for during year	714
Number of new cases cared for during year	294
Total number of visits to patients	5938
Number of families visited for the first time	55
Number died	6
Number of social calls	39

Classification of new cases for the year:

Number of adults	167	Male	21	Female	146
Number of children	127	Male	43	Female	84

Nationalities of new cases for the year:

American	222	Italian	8
English	15	Norwegian	4
Finnish	23	Swedish	19
French	3		

Diseases and number of new cases:

Aenemia	1	Nephritis	1
Asthma	2	Neuritis	1
Baby Welfare	4	Obstetrical	8
Bowel trouble	3	Paralysis	5
Burns	4	Phlebitis	2
Colds	32	Pneumonia	4
Carcinoma	3	Post-natal	14
Cystitis	1	Post-Operative	20
Diabetis	2	Pre-natal	10
Dysentery	3	Rash	1
Fracture	4	Rheumatism	10
Gen. Debility	2	Rupture	1
Heart Trouble	9	Sore eyes	1
Infants, newborn	35	Stomach trouble	8
Infections	40	Tonsillitis	9
Injury	14	Unclassified	13
Influenza	2	Undiagnosed	9
Kidney trouble	7	Var. Ulcer	3
Lumbago	1	Whooping Cough	4
Mastoditis	1		

Visiting Nurse: Miss Myrtle Welander.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

d. VISITING NURSES (Continued)

Following is the report of the Negaunee visiting nurse for the year 1940:

Total number of patients cared for during year	692
Number of new cases cared for during year	588
Total number of visits to patients	3590
Number of families visited for the first time	27
Number of social calls	815
Number died	5

Classification of new cases for the year:

Number of adults	301	Male	70	Female	131
Number of children	287	Male	146	Female	141

Nationalities of new cases for the year:

American	401	Italian	40
English	2	Swedish	12
Finnish	132	Danish	1

Diseases and number of new cases:

Addison's disease	1	Lumbago	1
Aenemia	5	Migraine	2
Appendicitis	24	Mumps	8
Arthritis	1	Muscular Distrophy	1
Asthma	1	Neuritis	1
Bowel Trouble	23	Nutrition	29
Bronchitis	18	Obstetrical	18
Burns	4	Otitis Media	17
Chicken Pox	3	Paralysis	3
Cholystitis	12	Pertussis	2
Colds	58	Pleurisy	2
Croup	1	Pneumonia	8
Cyst	1	Post-Operative	63
Cystitis	3	Purpura	1
Diabetes	3	Pregnancy	25
Endocrine disturbance	2	Rheumatism	15
Erysipelas	1	Rupture	6
Eczema	6	Sarcoma	1
Epileptic	2	Scarlet Fever	1
Facial Paralysis	1	Sore Eyes	4
Grippe	44	Sprains	2
Heart Trouble	5	Stomach trouble	3
Herpes Zoster	2	Thrush	2
Hives	2	Tonsilitis	26
Jaundice	2	Unclassified	7
Infants, newborn	23	Undiagnosed	2
Infection	35	Var. Ulcer	3
Injury	41	Var. Veins	6
Kidney Trouble	1	Whooping Cough	6
Larngitis	1		

Visiting Nurse: Miss Ina E. Atkin.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

d. VISITING NURSES (Continued)

NUMBER OF PATIENTS ATTENDED AND CALLS MADE BY VISITING NURSES.

	<u>No. of Patients</u>	<u>No. of New Cases</u>	<u>Male Adult</u>	<u>Female Adult</u>	<u>Male Children</u>	<u>Female Children</u>
Ishpeming	714	294	21	146	43	84
Negaunee	<u>692</u>	<u>588</u>	<u>70</u>	<u>231</u>	<u>146</u>	<u>141</u>
	1406	882	91	377	189	225

	<u>Total No. of Visits</u>	<u>Number Died</u>	<u>Social Calls</u>	<u>Families Visited for the first time.</u>
Ishpeming	5938	6	39	55
Negaunee	<u>3590</u>	<u>5</u>	<u>815</u>	<u>27</u>
	9528	11	854	82

NATIONALITIES OF NEW CASES.

	<u>American</u>	<u>Danish</u>	<u>English</u>	<u>Finnish</u>
Ishpeming	222	0	15	23
Negaunee	<u>401</u>	<u>1</u>	<u>2</u>	<u>132</u>
	623	1	17	155

	<u>French</u>	<u>Italian</u>	<u>Norwegian</u>	<u>Swedish</u>
Ishpeming	3	8	4	19
Negaunee	<u>0</u>	<u>40</u>	<u>0</u>	<u>12</u>
	3	48	4	31

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

f. NORTH LAKE CLUB

The clubhouse at the North Lake location has carried on its usual program of supervised recreation and community activity. Mr. Dewey Urquhart continues as director of the club. The Inland Steel Company has cooperated throughout the year in the usual manner in the operation of the club and the officers have assisted in the regular program which is carried on in the building.

The employees of our Company and the Inland Steel Company and their families have made considerable use of the clubhouse at North Lake and practically all the community programs center around the clubhouse. It serves as a community center for the entire district and also as the headquarters for the township government.

Following is the statement showing the receipts and expenditures for 1940:

	<u>TOTAL FOR YEAR</u>
<u>RECEIPTS:</u>	\$
Membership Fees	200.00
Bowling Alley	108.60
Pool and Billiards	18.00
Telephone Tolls	<u>13.41</u>
TOTAL	340.01
 <u>EXPENDITURES:</u>	
Building Maintenance	13.21
Equipment	12.91
Lighting	63.65
Heating	229.75
Water	30.00
Bowling Alley	64.54
Office Expense - Telephone	25.99
Salaries and Wages	1,038.00
Reading Room	16.40
Miscellaneous	13.10
Telephone Tolls	12.56
Personal Injury Expense	22.06
Unemployment Insurance Tax	36.40
Old Age Benefit Tax	11.03
Fire & Boiler Insurance	<u>57.84</u>
TOTAL	1,647.44
 Deficit	 1,307.43
Charged to Inland	<u>480.00</u>
Balance to Lloyd	\$ 827.43

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION

The report of the Gwinn Clubhouse is herewith submitted.

Mr. E. L. Miller has continued in charge of the work throughout 1940. The Company supports the work at the clubhouse by matching the twenty-five cents which is paid by the men who are members of the club and a check is sent each month which includes the Company's donation as well as the twenty-five cents from each man in the Gwinn District.

The clubhouse at Gwinn is used by the school district of Forsyth Township as the athletic center and gymnasium and Mr. Miller, our director, acts as one of the athletic instructors. The clubhouse at Gwinn has always been a very active place and the programs there are carefully supervised. The building, with the activities carried on there, serves a very real need in the community since it is the only place in the whole district which is available for social and community activities.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION.

The following report and summary of the activities of the Association is compiled from the regular monthly reports issued during the year.

MEMBERSHIP

Number on roll January 1st, 1940	240
Number on roll January 1st, 1941	253
High membership for year - August	289
Low membership for year - May	217
Average monthly membership	249

ATTENDANCE:

The attendance at the building showed an increase over the previous year and was caused by the fact that several newly organized groups made use of the building. Attendance during the summer months continues low, as all the activities are held outdoors.

Total estimated attendance at building during year	76050
Average monthly attendance	6338
High monthly attendance	9800
Low monthly attendance	3250

The outdoor activities were again popular, but due to the fact that many of the younger men were employed there were not so many participants. The following estimated attendance covers all activities conducted by the Association or where the equipment is furnished by the Association. Attendance 22000

SUMMARY - RECEIPTS AND EXPENDITURES.Taken from December financial Statement.

Total receipts including 1939 balance	\$ 5971.64
Total expenditures for year	4507.05
Balance on hand January 1st, 1941	\$ 1464.59

BUFFET - BILLIARDS - BOWLING ACCOUNTS.

Receipts for year	719.00
Expenditures for year	352.46
Profit	\$ 366.54

Receipts from membership and rental	\$ 3768.50
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WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION (Continued)General Activities and Organizations using building:

- 15 Committee meetings.
- 226 Nights play in Men's Cribbage League - 1 Banquet.
- 17 sessions Women's Bridge and Cribbage League & 1 Dinner.
- 3 Married Folks parties - cards and dancing.
- 15 Meetings Women's Study Club.
- 57 Meetings by Federal Agencies
- . 7 Meetings Local Sportsmen's Association.
- 3 Parties by grade school pupils.
- 3 programs - lunches for Finnish relief.
- 1 X-Ray clinic - 288 clients.
- 24 Band Orchestra and play rehearsals.
- 4 wedding showers by women - 1 dancing.
- 1 25th wedding anniversary celebrated.
- 1 Farewell Party by members St. Anthony's church.
- 1 Dinner party by members of local school faculty.
- 1 Tea party by senior High School girls.
- 3 dinner parties by adult groups.
- 25 dances held during year- 3 by Scouts to raise funds; 10 social dances by High School students; 5 annual dances listed below; 4 dances by St. Anthony's church members to raise funds; 3 by other groups.
- 166 all-day sessions kindergarten school.
- 134 days; noon lunches served to kindergarten pupils by NYA workers.
- 132 lunches or dinners served by different organizations.
- 37 times - equipment loaned for family parties.

Annual Major Events of Special Interest (Not included in above.)

- | | | |
|--------------------------------|----|----------------------------|
| Annual Ceremonial | By | Girl Scouts |
| Annual Banquet | By | Men's Cribbage League |
| Annual Hunter's Ball | By | Sportsmen's Association |
| Annual Junior Prom | By | Junior Class. |
| Annual Masquerade Dance | By | Senior High School |
| Annual Hallowe'en Round-Up | By | entire Junior High School. |
| Annual President's Ball | By | Sportsmen's Association. |
| Annual Xmas treat for children | By | Entire Community. |
| Annual New Year's Ball | By | Local Fire Department. |

CHURCH ORGANIZATIONS USING BUILDING (Not included in above)

- 15 meetings - 3 sales - 2 Sunday School parties by Methodist church.
- 9 meetings - 1 tea - Missionary Society.
- 28 rehearsals by Methodist choir.
- 16 meetings - 1 annual party by Women's Guild.
- 15 card parties by St. Anthony's Guild.
- 11 meetings - 1 pot-luck supper - Daughters of Isabelle.
- 4 dances by members of St. Anthony's church to raise funds.

23.

g. GWINN ASSOCIATION (Continued)

Library and Reading Rooms.

The use of the library fell off during the last few months of the year, owing to the fact that many persons who were making use of it found employment and did not have as much time to read. However, the magazines and newspapers are much in demand. During the summer all books in the library were re-checked and those in bad condition were taken out. 11 new books were added. Number of books loaned on cards during year 1493.

All magazines received by the Club are of the better class and due to the fact that many articles and stories contained in them were too lengthy to read at the building, permission was given to check them out on library cards. All magazines are subscribed on a yearly basis.

Weekly magazines received	5	Daily newspapers	3
Monthly magazines	19	Weekly newspapers	2

Recreation Room.

All equipment in this room consisting of three pool and billiard tables and one table tennis outfit, and the three board checker table is kept in good condition. During the year this rproved very popular and the fact that many of the young women of the dictract are making use of it has helped considerable in the maintaining of order.

Card Playing Facilities.

Card playing continues to be one of the most popular ways of senior members, both men and women, to spend their leisure time. Leagues are organized and supervised for both men and women. The men's Cribbage League covered 26 weeks play and at the conclusion all participants enjoyed a turkey banquet. The women held a Bridge and Cribbage Tournament over a 17 weeks period and completed play with a dinner party. Much interest is being displayed in bridge and no doubt in the future it will be necessary to hold bridge tournaments.

The room used for card playing is also used for social dancing for the younger folks at stated periods, in an effort to keep them from dancing in taverns.

Bowling.

Both alleys were put in good condition and were opened in November. A six team five-member league is organized for men and they will continue to bowl until April. The Women's League also consists of six teams and they will bowl a 45 game schedule. The senior class of the local High School continue to use the alleys during the day for instruction.

Physical Recreation and Athletic Department.

Including all activities in the gymnasium whether under High School or Club supervision and all outdoor recreations, such as - sponsoring and furnishing equipment for teams in the adult softball league at Princeton, Austin, Little Lake, and two Gwinn teams. Also, the supervision of junior boys softball, tennis court, horse-shoe, and small playground in read of Club, and Bass Lake cottage and grounds.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION (Continued)

Physical Recreations and Athletic Department. (Cont'd)

The Association also furnishes equipment for some activities which are supervised by other agencies.

SUMMARY

SUPERVISED GYMNASIUM ACTIVITIES.

	<u>Periods</u>	<u>Attendance</u>
High School classes (Girls)	124	3031
High School classes (Boys)	144	3354
High School classes (mixed dancing)	21	567
High School basketball practice	67	864
Tap dancing classes	49	251
Archery (organized December)	3	19
Grade school (May festival)	16	500
Senior members (misc. games.)	27	244
Junior boys - play period	<u>21</u>	<u>1075</u>
	472	9905

Basketball Games Under Supervision Club Employees.

High School team played 7 games at home and 8 games away.
 Club teams played 12 games at home and 6 away.
 Club team also entered the Independent Tournament at Negaunee and played 3 games.
 Junior League and tournament - 87 games.
 Attendance at all home games 5900.
 Annual High School physical education demonstration, 240 participants and 200 spectators.

Outdoor Activities.

The Club again sponsored and district softball league for adults, consisting of seven teams playing an 84-game schedule and play-off series. Three teams also entered the U.P. softball tournament at Negaunee and played 8 games.

Games played with outside teams - 17 - attendance 1750
 Attendance at all league games 12400

Junior softball for boys and girls and practice games -
 119 attendance 1700

Tennis court was in condition for play 68 days during the season. Attendance 500

Horse-shoe court and small playground, including touch foot-ball by adults 2500

Bass Lake Camp

The Boy Scouts cleaned cottage and grounds in order that camp could be opened June 15th. Closing date was November 1st.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION (Continued)

Bass Lake Camp (Cont'd)

Two new row boats were received from the Cleveland-Cliffs Iron Company and the Company also arranged for the paying of the care-taker. The cottage did not need much repair as it was put in good condition the year previous.

Club members were permitted the use of the boats and cottages without charge, but the care-taker collected \$52.90 from visitors for boat rental. 32 different groups held basket picnics at the Camp . 1000 bathers enjoyed the use of the swimming privileges during the season.

8 different groups or families used cottage 3 to 7 days- attendance	74
1 group older girls used cottage 4 days	4
Troop No. 1 - Girl Scouts - 3 days	10
Troop No. 2 - Girl Scouts - 3 days	14
Boy Scouts - 4 days	11
7 families made use of cottage for evening suppers	110
Annual Sportsmen's Association rabbit supper	76
1 School Picnic	30
Annual picnic - Negaunee City Band	55

Total attendance at grounds and cottage, including bathers, basket picnics, fishermen, those using cottage, and visitors 2000

Scout Activities.

Two troops for girls and one for boys sponsored by the Club were very active. They meet weekly at the Club building under capable leadership; the leaders of the Girls Scouts are paid by the Cleveland-Cliffs Iron Company. The following summary covers the activities of all troops :

- 146 meetings attendance 2429
- 10 hikes
 - 3 ski parties or hikes
 - 3 outside speakers
 - 3 dances to raise funds.
- 14 lunches or suppers outdoors.
- 15 socials with lunch after meetings.
 - 1 skating party
 - 1 pot-luck dinner.
 - 1 candy sale
 - 1 annual formal dinner and dance.
 - 1 annual Ceremonial.
- 35 Scouts attended annual camp.

All troops observed their National Scout week by putting on programs and attending church services; they also assisted in holiday community programs. Boys attended Court of Honor at Negaunee.

Building.

The main lobby, card room, library, club kitchen, two stair-ways, one hall, one locker room, and two lavatories, were re-decorated during the year. Floors in both locker rooms were re-painted and benches repaired. Wallboard was placed

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

g. GWINN ASSOCIATION (Continued)

Building (Cont'd)

over windows above stage and one closet constructed in living quarters.

Material and equipment purchased to have all departments working in good order; including supplies for bowling alleys, recreation room, reading room, card-room, gymnasium, club kitchen and fuel for heating building.

The same financial arrangement to operate the Club was in effect as in other years. The Cleveland-Cliffs Iron Company gives financial assistance, the Cliffs Power & Light Company with service, the local school pays rental on use of building and local residents pay membership fees.

The entire building is holding up well and all space is being used except the swimming pool; and should this activity not be used in the near future those in charge would advise that this space be put in shape to be used as a locker room for girls.

23.

h. ISHPEMING Y.M.C.A. BUILDING

Reference is made to the report of 1939 relative to the situation as far as the Ishpeming Y.M.C.A. building is concerned. From time to time some suggestions are made relative to the re-opening of the building. At the present time the building is still closed and the windows are all boarded. Either lack of leadership or because of the fact that people have so many new and diversified interests, it has appeared practically impossible to arouse enough interest to put the building again into public use.

From time to time it has been suggested that the Industrial Association make some effort to have the City of Ishpeming take the building over, remodel it, make of it a community clubhouse, as well as a place to provide additional space for an overcrowded city building.

The advent and success of the Community Chest in the City of Ishpeming may eventually have some influence on the future use of the Y.M.C.A. building. While the building is boarded up it is gradually falling into disrepair and it will cost considerable money to re-open it and place it in good condition.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

i. SAFETY WORK

Regular meetings of the Central Safety Committee were held during the year when called by Mr. Conibear. A general discussion was had each time of the accidents which had occurred and a study was made of the possibility of preventing accidents of like nature in the future. Meetings were held during 1940 on the following dates:

February 27, 1940
May 10, 1940
August 9, 1940
December 7, 1940

These meetings generally last from two to three hours and a discussion of each accident is quite complete. Many suggestions and matters pertaining to general safety of employees are brought up at each meeting for the consideration of the entire group.

The following are the members of the Committee:

Mr. G. R. Jackson, Chairman
Mr. S. R. Elliott
Mr. J. D. Preston
Mr. L. C. Moore
Mr. C. J. Stakel
Mr. W. W. Graff
Mr. H. O. Moulton
Mr. C. W. Allen
Mr. Carl Brewer
Mr. William Conibear
Mr. W. F. Gries
Mr. W. E. Johnson
Mr. H. F. Rogers
Mr. Ernest Keast
Mr. F. C. Stanford
Mr. F. J. Haller
Mr. Onni Marjamaa

At several of the meetings throughout the year the captains and surface foremen of the various mine properties attended and matters pertaining to their particular part of safety control were discussed. Many times also the captains and foremen contributed considerable to the meetings.

The regular work of the Safety Department is covered in Mr. Conibear's report.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE

The Welfare Department keeps in daily touch with the Ishpeming Hospital and with the dispensary in Negaunee. Occasional visits are made to the Gwinn District and two or three times during the year visits are made to the Iron River District.

ISHPEMING HOSPITAL

During the year the Ishpeming Hospital has maintained its fine record of service to the entire district and to persons who live outside of the district but who desire to use our hospital when hospitalization becomes necessary. The Ishpeming Hospital has maintained its high rating with the American Hospital Association and the American College of Surgeons. Miss Hildur Swanson, who has been Superintendent of the Hospital for several years, because of illness gave up her position during the year. She was succeeded by Miss Margaret Bilkey, R.N., who was formerly our chief surgical nurse.

The cooperation of the entire staff, including the doctors, the nurses, and the other employees of the hospital, has been very gratifying. The hospital reports show a very busy year and because of the continuance of the installation of new equipment, repairs to equipment, continuing the redecorating program, and new supplies, of course, there has been somewhat of an increase in the cost over previous years.

During the past few months Mr. G. R. Jackson, General Superintendent, and Mr. E. E. Riedinger, Chief Clerk, have served with the Superintendent of the Welfare Department as an Administrative Advisory Committee. This committee meets once a month to go over some of the problems which arise in the administration of the hospital. This committee has been very helpful to the Welfare Department in the consideration of the number of problems which arise in the administration of the Ishpeming Hospital. At the present time many problems, some of them quite detailed, such as the need for a new ambulance, the necessity for replacing worn-out plumbing, the redecorating program, the need for placing the elevator in a safe condition, the study of problems of heating, insulation, and many others, have been given attention by the committee and eventually a great deal of good will come out of the meetings. It is desired here that the appreciation of the Welfare Department be given to Mr. Jackson and Mr. Riedinger for their helpful advice and counsel.

The staff of the Ishpeming Hospital during the year 1940 was made up of the following:

Dr. A. W. Erickson, who succeeded Dr. Crane,
deceased, as Chief of Staff
Dr. P. P. Hartt
Dr. W. A. Corcoran
Dr. T. D. Stevenson, who joined our staff during the year
Miss Margaret Bilkey, R.N., Superintendent

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL (Continued)

The staff at the Negaunee Dispensary is made up of the following:

Dr. D. R. MacIntyre
Dr. W. A. Mudge
Dr. Raymond L. Paine

In the Gwinn District:

Dr. J. T. Witters

Dr. Witters was formerly located at Nahma as industrial physician and Chief of Staff of the hospital for a large lumber company.

Dr. Erickson, the new Chief of Staff, has conducted regular staff meetings throughout the year and he and Miss Bilkey, Superintendent, have discussed various problems with the Administrative Advisory Committee.

A special report submitted by Miss Bilkey is being included this year as a part of the Ishpeming Hospital report. The report follows.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

ISHPEMING HOSPITAL
STATISTICAL REPORT FOR THE YEAR 1940

Number of patients remaining in the Hospital at beginning of year		33	
Number of adult patients admitted	1038		
Number of child patients admitted	150		
Number of births	<u>264</u>		
Total new patients for the year 1940			<u>1,452</u>
Total of all patients during the year 1940			<u>1,485</u>
Number of deaths	64		
Number discharged during the year	<u>1387</u>		
Total number leaving hospital			<u>1,451</u>
Number of patients remaining at end of year 1940			34
Classification of new cases:			
Newborn	264		
Surgical	610		
Medical	264		
Obstetrical	<u>314</u>		
TOTAL			1,452
Number of operations:			
Major	247		
Minor	265		
Emergency Room	<u>110</u>		
TOTAL			622
Number of patient days			16,265
Average number patients per day			44.4
Average stay per patient (days)			10.952

NUMBER OF FRACTURE CASES DURING 1940

Cleveland-Cliffs Iron Company	43	
Inland Steel Company	14	
Hercules Powder Company	3	
Oliver Iron Mining Company	4	
Outside Parties	<u>147</u>	
Total		211

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)ISHPEMING HOSPITAL (Continued)

Number of emergency room cases during 1940:

January	631	
February	1399	
March	873	
April	820	
May	752	
June	945	
July	928	
August	1170	
September	664	
October	1138	
November	1400	
December	<u>825</u>	
	TOTAL	11,545

Deaths during 1940:

Surgical	14	
Medical	35	
Traumatic injuries	4	
Newborn	10	
Obstetrical	<u>1</u>	
	TOTAL	64

Deaths within 12 hours	14	
Deaths within 24 hours	4	
Deaths over 48 hours	<u>46</u>	
	TOTAL	64

Deaths for 1940 classified by diseases:

Albuminuria of pregnancy	1
Asphyxia neonatorum	2
Birth trauma	1
Carcinoma	8
Cardiac	13
Cerebral embolism	1
Cerebral hemorrhage	6
Circulatory collapse	1
Cirrhosis of liver	1
Coronary sclerosis	1
Coronary thrombosis	1
Diabetes mellitus	1

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)ISHPEMING HOSPITAL (Continued)

Deaths for 1940 classified by diseases: (Continued)

Hemophilia	1	
Hepatic deficiency	1	
Intestinal obstruction	2	
Mesenteric thrombosis	1	
Perforated peptic ulcer	1	
Peritonitis	1	
Pneumonia	6	
Premature birth	6	
Pulmonary edema	1	
Pulmonary embolism	1	
Pyloric obstruction	1	
Reticulocytoblastoma	1	
Sarcoma	1	
Traumatic injuries	<u>3</u>	
TOTAL		64

X-ray Report for 1940:

Extremities	796	
Gastro-Intestinal Tract	76	
Urinary Tract, Pyleography	26	
Disease of Bone	4	
Spine	96	
Mastoid	3	
Sinuses	5	
Foreign Body	30	
Chest & Heart	199	
Skull	52	
Fetus	23	
Cholecystography	49	
Abdomen	19	
Fluoroscopic Examination	<u>27</u>	
TOTAL		1,405
Number of out patients	900	
Number of in patients	<u>425</u>	
TOTAL		1,325

Saranac Investigation:

Chests	2,625	
Spines, Extremities, Etc.	<u>20</u>	
TOTAL		2,645

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)ISHPEMING HOSPITAL (Continued)

Physio-therapy Report for 1940:

Diathermy	1633
Ultra-violet	157
Metabolism	79
Electrocardiograph	<u>102</u>

TOTAL 1,971

Clinical Laboratory Report for 1940:

Blood Sugar	28
Differential Count	90
Haemoglobin	2239
Red Cell Count	111
Sputum	1
Urinalysis	2857
Sedimentation	2289
Miscellaneous Exams	3
Leucocyte Count	2276
• Kahns	2360
E.K.G.	170
Acetone	36
Metabolism	21
Bile	<u>1</u>

TOTAL 12,482

Regular Laboratory Report for 1940:

Blood Sugars	93
Throat Cultures	15
Coagulation Time	160
Differential Count	229
Feces	49
Gastric Contents	14
Haemoglobin	847
Parasites & Ova	5
Red Cell Counts	839
Smears	112
Special Blood Exam	718
Spinal Fluid	4
Sputum	41

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)ISHPEMING HOSPITAL (Continued)

Regular Laboratory Report for 1940: (Continued)

Urinalysis	4762
Sedimentation	33
Miscellaneous Examinations	951
Leucocyte Count	997
Blood Typing	53
Blood Matching	40
Kidney Function	7
Pregnancy Test	<u>41</u>

TOTAL 10,010

Pathological Specimens to Ann Arbor 340

Dietary Report for 1940:

Patient Meals	48,795
Doctors, Nurses, Employees and Visitors	30,268
Total Meals for the Year	79,063
Formulas	264

Special Diet--Patient Days:

Diabetic	503
Nephritic	169
Low Protein High Carbohydrate	21
Low Residue	11
Sippy	5
Allergy	50
High Fat	66
Ulcer	80
Special Soft	146
High Caloric	34
Dry	57
High Carbohydrate	25
Low Fat	34
Milk	7
Reducing	34
Hypertension	9
High Protein Salt Poor	43
Bland	5

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)ISHPEMING HOSPITAL (Continued)

Dietary Report for 1940: (Continued)

Colitis	70
Fat free	105
Low Protein Salt Free	87
Milk and Vegetable	2
Neutral	2

Total Special Diet Patient Days	1,565
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Total Special Diet Meals	4,695
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Comparative Report of Special Diets:

	<u>1938</u>	<u>1939</u>	<u>1940</u>
Total Special Diet Patient Days	1542	2115	1565
Total Special Diet Meals	4626	6345	4695

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)NEGAUNEE DISPENSARY

The Negaunee Dispensary, formerly the Negaunee Hospital, is used by the doctors in the Negaunee District for offices, emergency first aid station, and as a drug dispensary. Because of the number of employees in the Negaunee District, the Negaunee Dispensary is a very busy place. The arrangement is a happy one because our employees in the Negaunee District are not required to go to the Ishpeming Hospital for medical attention and service. No hospitalization is undertaken at the Negaunee Dispensary. All hospital cases are sent to the Ishpeming Hospital.

During the year some repairing was done at the dispensary, and a new roof on the building was needed. The installation of the new roof has also helped to solve much of the problem of accumulated ice on the eaves. Because of the new insulation the problem of accumulated ice has given little difficulty.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)

REPUBLIC HOSPITAL

The building formerly known as the Republic Hospital is still being used by Dr. Van Riper as an office and a health center in the Republic District. Dr. Van Riper, who gives medical attention to our employees in Champion, Humboldt, Republic, and Ely Townships, goes to Republic daily and holds an office hour in the Republic Hospital building. He provides a very necessary service to the four westerly townships of Marquette County and, as pointed out previously in this report, the funds remaining from the Republic Mine Fatal Accident and Relief and Sick Benefit Funds are put to very good use in providing fuel and necessary repairs for the hospital building.

Last year this report pointed out that some policy for the future has to be undertaken in the Republic District so that a health center may be maintained there. It has been suggested previously that the deed which is now in favor of the Republic Improvement Association be recalled and turned over to the Republic Township Board or to the Republic Township School Board so that there may be a continuing program as far as health work is concerned in the township. The Republic Improvement Association is no longer functioning as an association.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

GWINN HOSPITAL

Dr. J. T. Witters is our doctor in the Gwinn District and his office is maintained in his home near the clubhouse. The hospital building in Gwinn is closed and the windows are boarded. No use is made of the building for any purpose. Since it appears at this time that there will be no future use for the hospital building in Gwinn, it is recommended that some consideration be given to the possibility of disposing of the building.

The maintenance of a doctor in the Gwinn District makes it possible for our employees in Gwinn and surrounding localities to have medical service of a superior kind. Our doctor in this district is generally the health officer for the district and the adjacent townships. The appointment of the health officer comes through the Marquette County Board of Social Welfare.

IRON RIVER HOSPITAL

Three visits were made during the year to Iron River. The Iron River Hospital is now in the ninth year of its service. It is an excellently equipped unit and seems to be giving very fine service.

Dr. L. E. Irvine, who was associated with Dr. Libby in the Iron River District for several years, is carrying on the work following Dr. Libby's death in November of 1939.

PAYMENTS TO PHYSICIANS

For reference purposes the following statement is made:

On August 1, 1927, a new rate of payment for our Company went into effect. The men pay \$1.25 for the medical service for themselves and immediate members of their families, the Company paying 50¢ per man per month to cover medical and hospital services under the provisions of the Workmen's Compensation Law.

The above paragraph is carried in each annual report to show the date on which the new rate of payments became effective.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)

PHYSICAL EXAMINATION OF EMPLOYEES

The arrangement with the Trudeau Foundation of Saranac, New York, continued throughout 1940 with very satisfactory results. Our contract runs from November 1 to October 31.

During the year Mr. Richard F. Libby was replaced as the representative of the Trudeau Foundation and as the x-ray technician by Mr. Hugo Luostari who was recommended by Don E. Cummings, field representative of the Trudeau Foundation, for the position.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

j. HOSPITALS AND MEDICAL SERVICE (Continued)

INDUSTRIAL HYGIENE DEPARTMENT

Dr. George McL. Waldie became director of the new Industrial Hygiene Department on April 1, 1939. Reference to his training and equipment was made in last year's report. Dr. Waldie seems to possess the very happy faculty of getting along well with people. He makes a rather thorough examination of our men and they seem pleased with the manner and method of the physical examinations.

A regular schedule of examinations is prepared each week by the Welfare Department for the Industrial Hygiene Department. The schedule is made available about Friday of each week for the following week. This enables Dr. Waldie to review the previous examinations in each case and when he re-examines the employee he has some background of knowledge and information regarding the particular individual. The procedure following the physical examination with respect to new men was described in last year's report.

Dr. Waldie does considerable follow-up work with employees who have some physical defects. This part of the work seems to be going along in a particularly fine manner. At any rate, reports indicate that the employees are pleased with the attention given them.

The following number of examinations have been made to December 31, 1940:

Cleveland-Cliffs Iron Company	5905
Cliffs Power & Light Company	298
Athens Mine	1373
Negaunee Mine	1680
Inland Steel Company	1675
Pickands Mather & Company	119
Richmond Iron Company	131
Republic Steel Company	1153
Calumet & Hecla Mining Company	27
North Range Mining Company	603
Oliver Iron Mining Company	433
Marquette County Road Commission	10
Hercules Powder Company	<u>92</u>
Total	13,499

Mr. Don Cummings, director of the Trudeau Foundation field staff, calls upon us at intervals throughout the year. During his visits consideration is given to particular individuals whose cases require special attention. We have been very fortunate in the number of cases which the Company has had to consider under the Michigan Occupational Disease Law.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23. j. HOSPITALS AND MEDICAL SERVICE (Continued)

INDUSTRIAL HYGIENE DEPARTMENT (Continued)

Dr. Robert F. Berry of Morgan Heights Sanatorium has been very cooperative and helpful throughout the year. At various times he has assisted in several cases where it seemed necessary or advisable to have the employees checked at the Morgan Heights Sanatorium.

We have tried to be very careful in the employment of new men. During the year 1940 we have had a number of new men given physical examinations previous to consideration for employment. A number of men from the Copper Country district were rejected because of the fact that they did not measure up to the standards which we have established.

The Industrial Hygiene Department, because of the type of work it is called upon to do because of the close human equation, and the service which it is rendering, is undoubtedly one of the important departments in the mining operations.

23.

k. COMMUNITY HEALTH

For the most part the health conditions in Marquette county during the past year have been very good. Other parts of the Northern Peninsula during the year had quite an epidemic of poliomyelitis. We were fortunate, particularly in Ishpeming and Negaunee, in having very few cases. There were no other epidemics of any kind during the year and the health supervision which has been featured, especially in the cities of Ishpeming, Marquette, and Negaunee, was continued throughout the year under the direction of health officers and trained nurses. Each city has a health officer and also a full time school nurse.

The Michigan Children's Fund, commonly known as the Senator Couzen's Fund, continued its dental clinics during the year. A number of children from the county are privileged to attend the seven-weeks camp period at the Bay Cliff Health Camp near Big Bay in Marquette County. Mr. W. H. Moulton served as chairman of the board until last year and since that time I have taken over the chairmanship. This camp completed its sixth year, with funds provided from the Michigan Children's Fund and the Rackham Foundation of Detroit. This camp is maintained primarily for under-nourished children of normal mentality. We are now taking care of approximately 157 children each summer and they go back into their communities with stronger bodies and they take back with them new ideas concerning health and they have acquired new and better health habits. It is now known that the Rackham Foundation will no longer be able to contribute to the support of this camp. Its last contribution of \$5,000 was made for 1940. The Board of Directors of the camp is now studying the problem of providing new sources of revenue so that the camp may be continued.

During the year the Bay Cliff Health Camp property was turned over to St. Luke's Hospital of Marquette and the Michigan Crippled Children's Commission for use as a convalescent home for poliomyelitis victims, mostly children. Between twenty-five and thirty children have been given care at the main building at the camp since September. St. Luke's Hospital and the Crippled Children's Commission have made available necessary equipment as well as nurses and a physiotherapist for the needs of the unfortunate victims of poliomyelitis.

The city health officers in Marquette County are:

Marquette	-	Dr. C. P. Drury
Ishpeming	-	Dr. J. P. Bertucci
Negaunee	-	Dr. W. A. Mudge

WELFARE DEPARTMENT ANNUAL REPORT YEAR 1940

23.

1. RED CROSS (Continued)

Report of Nurse
Marquette County Chapter
American Red Cross.

School Inspections: 10/1/1939 to 9/15/1940.

Number of schools in County	28
Number of schools examined	28
Number of children	2262

Number of Children with Defects:

Eyes	25
Teeth	2175
Tonsils	21
Orthopedic	7
Communicable Diseases	2
	2230

Number of days spent at Clinics:

Special eye clinic	3
Psychiatric	2
Orthopedic	1

Number of children receiving surplus commodities
for hot lunches

15

Number of Children at Dental Clinic:

Number of children	841
Number of extractions	1937
Number of fillings	457

Number of Children at Toxoid Clinic

65

Children having glasses through Children's Fund,
parents or County paying for prescriptions

10

Number of Children having glasses thro the Clinic alone

46

Number of Children taken to Hospitals, Schools or
Health Camps :-

Orthopedic Cases - Adults	3
To Children's Clinic - Marquette	34
To Bay Cliff Health Camp	10
	47

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

1. RED CROSS (Continued)Report of Nurse (Continued)Investigations made:

County Welfare	53
Home Visits	1047
Red Cross	6

Meetings Attended:

Nurses Meetings	3
Maternal Health Clinics	3
Red Cross meetings	3
Advisory Dental Meeting	1
Meeting with Miss Blodgett, of the Crippled Children's Commission	1
Meeting with Miss Fox, of the State Health Department	1

Marquette County Red Cross bought Sight-Saving books for two children in Choccolay Township.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

m. RELIEF WORK

The usual policy was followed in the extension of assistance to certain families who have shown special need either through illness, death, or some type of disability.

The following is a statement of the assistance rendered:

	<u>Ishpeming</u>	<u>Negaunee</u>	<u>Republic</u>	<u>Gwinn</u>	<u>Marquette</u>	<u>Total</u>
January	306.04	92.24	43.38	2.48	10.00	454.14
February	274.96	45.95	37.68	62.48	10.00	431.07
March	136.48	56.07	33.63	42.32	10.00	278.50
April	337.59	63.87	29.93	42.48	10.00	483.87
May	130.26	98.94	23.45	42.40	10.00	305.05
June	216.20	68.62	23.45	42.48	10.00	360.75
July	174.60	52.85	23.45	92.40	10.00	353.30
August	202.36	60.34	42.96	42.48	10.00	358.14
September	324.16	61.30	8.00	82.48	10.00	485.94
October	270.90	52.85	65.68	52.40	20.00	461.83
November	223.06	62.39	28.88	58.01	-	372.34
December	<u>189.19</u>	<u>59.19</u>	<u>23.45</u>	<u>157.40</u>	<u>20.00</u>	<u>449.23</u>
	2785.80	774.61	383.94	719.81	130.00	4794.16
Number of families assisted	22	12	3	4	1	42
Average amount of relief per family						\$114.15

n. EMPLOYMENT

Daily contact is made with the Employment Office, in charge of Mr. P. R. Perring. The registration records of the men who are employed at the various mines have been sent to this office and a separate record is kept so that we may have full knowledge of all persons employed.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

o. INCAPACITATED EMPLOYEES

During the year payments have continued to certain men and certain families who originally did not have sufficient service to bring them within the provisions of the pension system. To these people donations were granted. These men are those who have suffered from some disability through accidents or through injuries at the mines and some with large families who became incapacitated.

Following is a list of the families and the amount of donations paid to them during the year:

DONATIONS TO INCAPACITATED EMPLOYEES

	<u>Monthly Rate for 1940</u>	<u>Total Amount Paid during 1940</u>	
Fred Fredette	\$ 20.00	\$ 240.00	
Sam Metherell	14.40	172.80	
John Aho	14.40	172.80	
Andrew Niemi	16.60	199.20	
Edmond Durante	20.00	240.00	
Axel Erickson	20.00	240.00	
Edward Van Langenhoven	20.00	240.00	
Donato Valenzio	20.00	240.00	
William Anderson	20.00	60.00	Died April 2, 1940
Fred Carlson	16.00	192.00	
Joseph Thomas	75.00	900.00	
A. J. Yungbluth	100.00	1200.00	
William Ryan	25.00	300.00	
R. J. Chenneour	50.00	600.00	
W. H. Moulton	150.00	<u>1800.00</u>	
Total		\$ 6796.80	

HOLMES MINE DONATIONS

Peter Lesage	20.00	240.00
Carl Jarvinen	16.99	203.88
Bernt Wiggen	20.00	240.00
Martin Trondson	20.00	<u>240.00</u>
Total		\$ 923.88

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

o. INCAPACITATED EMPLOYEES (Continued)

DONATIONS TO WIDOWS

	<u>Monthly Rate for Year 1940</u>	<u>Total Amount Paid during 1940</u>
Mrs. J. H. Tregonning	\$ 25.00	\$ 300.00
Mrs. Anna C. Nordeen	25.00	300.00
Mrs. Fiina Kampinen	25.00	<u>300.00</u>
Total		\$ 900.00

FURNACE DEPARTMENT DONATIONS

The donations, after being granted, were paid by the Furnace Department itself and later by the Cliffs-Dow Chemical Company. By directions from Cleveland on September 1, 1937, the donations have been paid from this office and the following payments have been made during the year.

John Schrandt	25.00	300.00
Mrs. George Cameron	20.00	240.00
Jacob Hill	20.00	240.00
Julius Olson	25.00	<u>300.00</u>
Total		\$1080.00

Amount of Donations paid to Incapacitated Employees	\$ 6796.80
Amount of Donations paid to Incapacitated Holmes Mine Employees	923.88
Amount of Donations paid to Widows	900.00
Amount of Donations paid to Furnace Department cases	<u>1080.00</u>
Total Donations	\$ 9700.68

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

o. INCAPACITATED EMPLOYEES (Continued)Retirement Roll

We have added employees to our Retirement Roll throughout the year. Each case is discussed with Mr. Elliott and the individual is called in for a conference and he is told what he may expect under our present retirement plan. This Retirement Roll is not to be confused in any way with the Contributory Retirement Plan which became effective on December 31, 1940. It has been the Company's policy for a long time to give consideration to employees who have given long and faithful service. From time to time conferences are held with these employees and they are encouraged to come in with their problems.

The Retirement Roll during the year 1940 was increased by the addition of a number of older employees who because of some physical condition or because of old age could not carry on their regular employment. In all these cases the Social Security benefits are still quite low. To supplement the Social Security benefits and also to give the older employee some consideration because his group insurance was reduced to \$500.00, the Company in each case supplemented the retired employee's income by granting him \$10.00 a month. With a few exceptions, a deduction of 38 cents is made each month for insurance and \$1.00 for medical attention.

The older employees who were placed on the Retirement Roll in March of 1939 were also made recipients of the supplementary \$10.00 which was granted by the Company.

At present the following men are on our Retirement Roll:

	<u>Present</u> <u>Monthly Rate</u>	<u>Total Amount</u> <u>Paid During 1940</u>
John Mattson	\$ 21.32	\$ 199.24
Mrs. Anna Simo	40.00	480.00
John Chiri	31.00	282.00
James Christian	39.00	378.00
Silvio DeGabriele	10.00	74.00
Matt Hemmila	27.00	234.00
Esten Peterson	33.50	312.00
William J. Phillips	49.50	425.00
Alfred Anderson	27.00	234.00
Victor Kalmi	16.50	274.50
Swen Lahti	12.31	182.55
Anthony Mengori	32.50	300.00
August Reiklot	33.50	312.00
David Reed	30.00	270.00
Sam Roberts, Sr.	33.00	306.00
Sam Sims	39.00	378.00

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23. o. INCAPACITATED EMPLOYEES (Continued)

Retirement Roll (Continued)

Charles Abramson	\$ 46.50	\$ 468.00	
Thomas Berryman	35.00	330.00	
Victor Carlson	39.00	378.00	
William J. Curtis	35.50	336.00	
John Hendrickson	35.00	330.00	
Arvid Jernquist	45.00	450.00	
Jonas Johnson	34.00	318.00	
Andrew Larson	10.00	84.00	
Charles Larson	32.00	250.00	
Albin Lyman	47.50	480.00	
John H. Maki	39.00	378.00	
Lars Olson	36.20	344.40	
Hemming Silas	35.00	330.00	
Dave Spencer	32.00	294.00	
Joseph Villeneuve	31.00	282.00	
Charles Aho	15.00	75.00	Died 5/16/40
Henry Beale	50.00	510.00	
George Bredeson	24.70	332.90	
John Hennessey	35.00	330.00	
August Olson	17.65	228.95	
Erick Soyrinki	13.81	118.10	
William T. Waters	20.00	240.00	
Fred L. Prudom	50.00	510.00	
Charles Stevens	40.00	360.00	
Nels Oja	27.50	220.00	
Matt Mattson	10.00	30.00	
Henry Hendrickson	10.00	30.00	
William Kennaugh	10.00	30.00	
Anton Seagren	10.00	30.00	
John Bjerne, Sr.	10.00	30.00	
John Bergeson	10.00	20.00	
Herman Johnson	10.00	20.00	
John Johnson	10.00	20.00	
Rasmus Christenson	10.00	20.00	
August Wigg	10.00	20.00	
Otto Lindstrom	10.00	20.00	
John Chirio	10.00	20.00	
Simon Maki	10.00	20.00	
Abram Lahtinen	10.00	20.00	
Frank Martin	10.00	20.00	
Gust Palomaki	10.00	10.00	
C. A. Steede	10.00	10.00	
Charles Anderson	10.00	10.00	

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

o. INCAPACITATED EMPLOYEES (Continued)Retirement Roll (Continued)

John Walimaa, Sr.	\$ 10.00	\$ 10.00
Herman Aho	10.00	10.00
Alex Boz	10.00	10.00
Peter E. Nelson	10.00	10.00
John Cox	10.00	10.00
Joseph Grevious	10.00	10.00
Gust Holmgren	10.00	10.00
Edward King	10.00	10.00
Chris Stone	10.00	10.00
Otto Franson	10.00	10.00
Michael McNamara	10.00	10.00
Otto Schadt	10.00	10.00
Arsene Tousignant	10.00	<u>10.00</u>
Total		\$ 13,128.64

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

p. COST OF LIVING

The cost of living during the past year has increased somewhat. The reports we get locally indicate that there has been an increase in the cost of food supplies and clothing. It is estimated that the increase in both food and clothing amounted to approximately 10%. Certain commodities have increased more than that, but 10% is estimated as being a fair average.

Several local merchants from time to time during the summer and fall of 1940 felt that their businesses were not up to the standards which the wages now being paid should indicate. Several merchants claimed that they could not understand why their businesses were not better during the fall and summer months. December month, they state, was especially good. It is a personal opinion that because of the week-ends which are always available for recreation our employees are spending more money for personal desires, such as travel and outdoor recreation. It is also interesting to note the type of cars which are being driven. During the working days the parking areas around the mines are filled with cars that are in good condition and most of the automobile dealers report good business.

During the year we continued to use the relief order system for a number of employees whom we have been taking care of by the granting of relief orders. Occasionally some recipient objects to this and would rather be given a cash donation, but I believe the local merchants recognize that the Company is helping people who are deserving and there has been no evidence of any abuse of the system of giving out relief orders.

Bank Deposits

Banks in the county report increased deposits during the year. The same was true of 1939, and the 1940 increase over 1939 is undoubtedly also due to the fact that we are employing the largest number of men we have employed in several years and because of the present level of wages many people are finding it possible to save some money.

Housing

The housing situation in both Negaunee and Ishpeming still remains a difficult problem. A number of new homes have been built, particularly in Ishpeming, but we have requests almost weekly for Company homes if and when they become available. Rents have not increased a great deal but they are higher than they have been in past years. In comparison with other cities in the county, such as Marquette, rents in both Ishpeming and Negaunee are lower and they are reasonable.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

p. COST OF LIVING (Continued)Housing (continued)

It is estimated that over twenty-five new homes were built in the City of Ishpeming during 1940. Not as many were built in Negaunee, but there were some new homes built there also.

Many of our employees who live in Gwinn and work in the Negaunee and Ishpeming district drive back and forth each day by bus, since there are no houses available for them closer to the mines where they are employed.

Relief Situation

The relief situation in Marquette County is considerably improved over the past two years. The highest number of relief cases generally comes during January and February and the average for Marquette County has dropped to between 375 and 400 cases, which is the lowest it has been in a considerable period. The county has a W.P.A. force of approximately 1275 men. This provides employment for a great many men who cannot otherwise be employed.

As far as our own employees are concerned, there seems to be ample evidence that they are appreciative of the opportunity to work five and six days a week and to enjoy the present wage scale. As I go about the district, I note from time to time that our school children are quite well dressed and adequately dressed for winter weather. It is also noted that the children are well nourished. Many homes also are having new equipment, as far as furniture and household necessities are concerned. There has been a considerable increase in the sale of such commodities as washing machines, electric refrigerators, and, of course, practically everyone has a radio. The living conditions generally in Marquette County, I believe, are considerably above the average for regions where mining is the chief occupation.

I am submitting herewith a copy of the first biennial report of the Michigan Social Welfare Commission.* A good portion of the report, especially the recommendations on pages five to nine, inclusive, were my own thoughts finally submitted to and accepted by the State Social Welfare Commission. The Commission meets monthly generally in Lansing, but once a year holds a meeting in the Northern Peninsula. Each month allocations are made to the various counties in the state--firstly, on the basis of their need or their case load, and secondly, on their ability to pay, or their resources. The administration of relief has become a very great business.

* copy held on file in File Room

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23.

p. COST OF LIVING (Continued)Relief Situation (Continued)

For the next two years the State of Michigan will have a budget of approximately forty-four million dollars for aid in the following categories:

1. Direct relief to the counties
2. Old Age Assistance grants
3. Aid to Dependent Children grants
4. Aid to the Blind grants
5. The Child Welfare Services

These activities are supervised by the State Social Welfare Commission and every effort has been made by the Commission to apply definite rules and regulations to the spending of state monies. For the year starting July 1, 1939 the Michigan legislature appropriated eight and three-quarter million dollars for direct relief. The Commission organized its budget and, since, during the winter months the case loads are higher, the Commission provided more money for those months. Because of the defense program, the case load in Michigan has dropped considerably and is now at almost the lowest point in the last eight years.

The Commission has, up to this point, allocated \$850,00 less than they had in their budget for the first six months of the present fiscal year. The \$850,000 will probably be transferred to the Old Age Assistance account since Michigan has been slower than most states in accepting Old Age Assistance applications.

q. IMPROVEMENT WORK

Mr. Julien Payen has continued in charge of the improvement work around all the grounds and properties. The usual work was done around the hospital and the offices.

The buildings and grounds always present a very neat and trim appearance.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

r. WELL-KEPT PREMISES

During the year 1940 prizes for best kept premises and vegetable gardens, formerly made possible by the generosity of Mr. Mather, was re-established and our employees were privileged to take part in these contests. Our slogan was, "Well Kept Premises Display Character". There were 105 entries and during late August and early September the judges, Mr. Julien Payen, Mrs. E. E. Bjork of Gwinn, and myself, assisted also by Mr. W. E. Johnson of this department, visited all the entrants and the cash prizes were later awarded.

There was considerable interest in the contest and it is hoped that it may be continued this year. There are many fine gardens and well kept premises in the mining districts. This is particularly true of Gwinn, where some of our Italian miners have very splendid and profitable gardens.

Appreciation is hereby expressed for Mr. Mather's interest in this particular phase of the work of the Welfare Department.

s. COMMUNITY SERVICE WORK

The American Legion building in Ishpeming, which was formerly the old hospital, has been used as usual throughout the year. It serves as a meeting place not only for the American Legion and the Legion Auxiliary, but for various other civic organizations, such as American Red Cross groups, Boy Scouts, Girl Scouts, and for various other social functions. The building is kept in fairly good condition.

Reference is made here to the Y.M.C.A. building which has already been reported upon. It is hoped that this building may be re-opened at some time since it occupies a prominent corner on a much travelled highway and the building at this time, with the windows boarded up, is not at all a good advertisement for the City of Ishpeming. It has been suggested that if this building cannot be used again for public purposes that the City of Ishpeming, which now owns the building, make some effort to make it over into apartments since the housing situation in the City of Ishpeming is somewhat serious.

The American Legion Club in Negaunee has been used for normal functions of the Legion, the Auxiliary, and other groups during the year. The Negaunee Legion Club is not used as much as the Ishpeming Club and this is somewhat due to the fact that the Negaunee Community Building, which is downtown and under the supervision of the city, is used by various civic groups and other groups engaged in various types of activities. The Negaunee Community Building is a made-over store building and it has been remodeled somewhat to serve as a community building. There is no supervised program of activity in this building, but it is made available to all persons who subscribe to the rules and regulations.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

s. COMMUNITY SERVICE WORK (Continued)

The Negaunee Legion building, formerly a very fine home, has not been kept up as well as it should be by the American Legion. A check of the inventory will be made some time soon. There seems to be no reason why the building cannot be kept in good condition since there seems to be enough income to at least take care of the necessary repairs. The building is badly in need of painting.

t. CLUBS

The Saturday Noon Luncheon Club of superintendents and other heads of departments meets occasionally at the call of the Manager, Mr. S. R. Elliott. Several meetings were held during the course of the year, but the former practice of meeting regularly on Saturday during the winter months has been abandoned. Mr. Elliott calls the group together at such time as he has matters to discuss with them.

u. OUTDOOR ACTIVITIES

Ishpeming has been one of the popular winter sport areas. A very fine winter sports program is carried out by the Ishpeming Winter Sports Club which maintains a clubhouse within the city limits. Many activities are carried on at the clubhouse and since the leadership provided is very good the regular programs and the special programs are enjoyed by a great many people. Particular attention is called to the ski trails in connection with the new sports club, near the Marquette County Road Commission offices.

The Ski Tournament, which is generally held on February 22, continues to be one of the very interesting outdoor activities in the City of Ishpeming. The ski jump program has been carried on on Washington's Birthday for fifty years.

During the past few years it has been the custom to select a winter outdoor queen in most of the larger cities of the peninsula. From this group the Northern Peninsula winter queen is selected at a special winter sports program held in one of the Northern Peninsula cities.

The City of Ishpeming now has a Recreation Commission appointed by the city council. The three men serving on this commission are Mr. O. E. Johnson, Principal of the High School, Mr. Arnold Cohodas of Cohodas Brothers, and Dr. Piirto, a local dentist. The commission has been very active in studying the recreational needs of the community and several conferences have been held with them.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

u. OUTDOOR ACTIVITIES (Continued)

They have already made one report to the city council and they are now prepared to present some very definite ideas relative to the establishment of an ample recreational area which they eventually hope will provide all types of outdoor recreation and athletic events for all seasons of the year.

Mr. Elliott has had conferences with the group and is familiar with their plans.

The Mather Inn

The Mather Inn is probably the most popular hotel in the whole area. The annual report of 1939 indicated that there had been some increase in business over the previous year. Many folks from the larger cities have come to the Inn for week-ends and for the purpose of enjoying the winter sports.

w. VARIOUS DEPARTMENTS AND ACTIVITIES

It has been our privilege during the year to assist in various activities which are of public and civic nature. These include the Marquette County Chapter of the American Red Cross, the Michigan Tuberculosis Association, the Michigan Child Guidance Institute, the Michigan Delinquency Prevention Council, the Michigan Society for Crippled Children, The Upper Peninsula Law Enforcement Officers Association, and the Bay Cliffs Health Camp board. From time to time we are called upon to assist in other activities which normally are part of the work of a welfare department.

Michigan Social Welfare Commission

I have served as the Chairman of the Michigan Social Welfare Commission since July 1, 1939, when the commission was organized. The commission's primary work during the first eighteen months in office has been to establish what is referred to as a "formula device" for the allocation of money to the counties for direct relief purposes. As formerly explained, the money is allocated on the basis of need and the ability of the county to take care of that need.

The work is intensely interesting and there is opportunity for many State contacts and for business experience, which is well worthwhile.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

w. Various Departments.

LAND DEPARTMENT

COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSES

FOR THE YEARS 1937 to 1940, Incl.

<u>General Welfare Acct. No. 11</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>	<u>1940</u>
A-2 Prop. charged by Treas.	800.00	250.00	300.00	300.00
11-F Miscellaneous expenses	240.00	240.00	240.00	240.00
	<u>\$1040.00</u>	<u>490.00</u>	<u>540.00</u>	<u>540.00</u>
 <u>Donations.</u>				
Munising Fire Department	10.00		10.00	10.00
U.P. Development Bureau	500.00	500.00	500.00	500.00
Christmas Basket Fund-Munising	58.27			
Munising Hospital Benefit Dance				2.00
	<u>\$ 568.27</u>	<u>500.00</u>	<u>510.00</u>	<u>512.00</u>
 <u>Compensation.</u>				
a. Funeral Expense				
d. Legal Expense.				
g. Medical Expense				
i. Monthly payments to doctors	108.50	310.84	399.14	406.62
h. Compensation				
 <u>Safety Work- Logging Operations.</u>				
Supplies	28.71	16.61	0.00	0.00
 <u>Compensation - Logging Operations.</u>				
Medical and Hospital	5272.49	3076.85	324.84	1185.29
Compensation payments	7724.49	6986.43	2547.07	3759.29
Percentage of payroll	.0282%	.04%	4.1%	5.2%

WELFARE DEPARTMENT.

WELFARE DEPT. ANNUAL REPORT YEAR 1940

23.

w. VARIOUS DEPARTMENTS (Continued)

LAKE SUPERIOR & ISHPEMING RAILROAD COMPANY
COMPARATIVE STATEMENT OF GENERAL WELFARE EXPENSE
YEARS 1937 to 1940, INCLUSIVE.

<u>Donations:</u>	<u>1937</u>	<u>1938</u>	<u>1939</u>	<u>1940</u>
Fire Department	25.00	15.00	15.00	25.00
Visiting Nurse-Marquette	152.50	250.00	250.00	0.00
To Employees and families	220.00	505.00	0.00	0
Boy & Girl Scouts - Munising	0.00	0.00	0.00	0.00
Community Chest Fund - Marquette Negaunee, and Ishpeming,	_____	_____	_____	<u>287.50</u>
	\$ 397.50	770.00	265.00	312.50
 <u>Pensions:</u>	 <u>1666.00</u>	 _____	 <u>12130.89</u>	 <u>2889.69</u>
Total	\$ 2063.50	770.00	12395.89	3202.19
 <u>Compensation:</u>				
Compensation Paid	616.48	324.00	2450.00	493.20
Medical expense	858.80	1045.44	735.35	857.02
Percentage of Payrolls				
Acct. Comp. Payments	.0008	.0005	.0036	.0007

